**CITY OF REDONDO BEACH**
**CITY COUNCIL AGENDA**
**Tuesday, November 4, 2025**

**415 DIAMOND STREET, REDONDO BEACH**

**CITY COUNCIL CHAMBER**

# THE CITY COUNCIL HAS RESUMED PUBLIC MEETINGS IN THE COUNCIL CHAMBER. MEMBERS OF THE PUBLIC MAY PARTICIPATE IN-PERSON, BY ZOOM, eCOMMENT OR EMAIL.

## 4:30 P.M.- CLOSED SESSION- ADJOURNED REGULAR MEETING
## 6:00 P.M.- OPEN SESSION- REGULAR MEETING

City Council meetings are broadcast live through Spectrum Cable, Channel 8, and Frontier Communications, Channel 41 and/or rebroadcast on Wednesday at 3 p.m. and Saturday at 3 p.m. following the date of the meeting. Live streams and indexed archives of meetings are available via internet. Visit the City's official website at www.Redondo.org/rbtv.

TO WATCH MEETING LIVE ON THE CITY'S WEBSITE:
https://redondo.legistar.com/Calendar.aspx
*Click "In Progress" hyperlink under Video section of meeting

TO WATCH MEETING LIVE ON YOUTUBE:
https://www.youtube.com/c/CityofRedondoBeachIT

TO JOIN THE MEETING VIA ZOOM (FOR PUBLIC INTERESTED IN SPEAKING. OTHERWISE, PLEASE SEE ABOVE TO WATCH/LISTEN TO MEETING):
Register in advance for this meeting:
https://www.zoomgov.com/webinar/register/WN_oEejVUXuS062EornZjMlsA
After registering, you will receive a confirmation email containing information about joining the meeting.
If you are participating by phone, be sure to provide your phone # when registering. You will be provided a Toll Free number and a Meeting ID to access the meeting. Note; press # to bypass Participant ID. Attendees will be muted until the public participation period is opened. When you are called on to speak, press *6 to unmute your line. Note, comments from the public are limited to 3 minutes per speaker.

eCOMMENT: COMMENTS MAY BE ENTERED DIRECTLY ON THE WEBSITE AGENDA PAGE:
https://redondo.granicusideas.com/meetings
1) Public comments can be entered before and during the meeting.
2) Select a SPECIFIC AGENDA ITEM to enter your comment;
3) Public will be prompted to Sign-Up to create a free personal account (one-time) and then comments may be added to each Agenda item of interest.
4) Public comments entered into eComment (up to 2200 characters; equal to approximately 3 minutes of oral comments) will become part of the official meeting record.

EMAIL: TO PARTICIPATE BY WRITTEN COMMUNICATION, EMAILS MUST BE RECEIVED BEFORE 3:00 P.M. THE DAY OF THE MEETING (EMAILS WILL NOT BE READ OUT LOUD): Written materials pertaining to matters listed on the posted agenda received after the agenda has been published will be added as supplemental materials under the relevant agenda item. Public comments may be submitted by email to cityclerk@redondo.org. Emails must be received before 3:00 p.m. on the date of the meeting to ensure Council and staff have the ability to review materials prior to the meeting.

## 4:30 P.M. - CLOSED SESSION - ADJOURNED REGULAR MEETING

**A. CALL MEETING TO ORDER**

**B. ROLL CALL**

**C. SALUTE TO FLAG AND INVOCATION**

**D. BLUE FOLDER ITEMS - ADDITIONAL BACK UP MATERIALS**

*Blue folder items are additional back up material to administrative reports and/or public comments received after the printing and distribution of the agenda packet for receive and file.*

**E. PUBLIC COMMUNICATIONS ON CLOSED SESSION ITEMS AND NON-AGENDA ITEMS**

*This section is intended to provide members of the public with the opportunity to comment on Closed Session Items or any subject that does not appear on this agenda for action. This section is limited to 30 minutes. Each speaker will be afforded three minutes to address the Mayor and Council. Each speaker will be permitted to speak only once. Written requests, if any, will be considered first under this section.*

**F. RECESS TO CLOSED SESSION**

**F.1.** CONFERENCE WITH LEGAL COUNSEL AND LABOR NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54957.6.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Diane Strickfaden, Director of Human Resources

EMPLOYEE ORGANIZATIONS:
Redondo Beach Police Officers' Association, Redondo Beach Police Management Unit; and Redondo Beach Firefighters' Association

**F.2.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Gregory Langadinos v. Los Angeles County Superior Court et al.
Case Number: 225CV04746-MEMF-DTB

**F.3.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:

Mark Rhoads v. City of Redondo Beach; Chief Joe Hoffman; City Manager Mike Witzansky; Officer Bryan; and DOES 1-20, inclusive
Case Number: 2:25-cv-09806-PD

**F.4.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
John Bell v. City of Redondo Beach
Case Number: 2:25-cv-09421-MCS-SSC

**F.5.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
City of Redondo Beach, et al. v. California State Water Resources Control Board
Case Number: 20STCP03193

**F.6.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire LLC
Bankruptcy C.D. Cal. Case Number: 2:23-bk-10918-ER

**F.7.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
9300 Wilshire, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development; and DOES 1 through 100, inclusive
Case Number: 23STCP02189

**F.8.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire, LLC (9300 Wilshire, LLC et al. v. AES-Redondo Beach, LLC)
Bankruptcy C.D. Cal. Case Number: 2:23-ap-01163-ER

**F.9.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Yes in My Back Yard, a California nonprofit corporation; SONJA TRAUSS, an individual v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo

Beach Department of Community Development, and DOES 1 through 25 inclusive
Case Number: 23TRCP00325

**F.10.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
New Commune DTLA LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; and DOES 1 through 100, inclusive
Case Number: 23STCV10146

**F.11.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach
Case Number: B336042

**F.12.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al.
Case Number: B337897

**F.13.** CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATORS:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
239 & 245 N. Harbor Drive, Redondo Beach, CA 90277
(portions of APN: 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, CA Surf Club

UNDER NEGOTIATION:
Lease Status, Price, and Terms

**F.14.** CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
Portions of the Redondo Beach Marina Parking Lot and Seaside Lagoon
(portions of APN #s: 7503-029-900 and 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, BeachLife Festival

UNDER NEGOTIATION:
Price and Terms

**F.15.** CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE PERSONNEL MATTER/EVALUATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54957(b).

Title: City Manager

**G. RECONVENE TO OPEN SESSION**

**H. ROLL CALL**

**I. ANNOUNCEMENT OF CLOSED SESSION ACTIONS**

**J. ADJOURN TO REGULAR MEETING**

## 6:00 PM - OPEN SESSION - REGULAR MEETING

**A. CALL TO ORDER**

**B. ROLL CALL**

**C. SALUTE TO THE FLAG AND INVOCATION**

**D. PRESENTATIONS/PROCLAMATIONS/ANNOUNCEMENTS/ AB 1234 TRAVEL EXPENSE REPORTS**

**E. APPROVE ORDER OF AGENDA**

**F. AGENCY RECESS**

**F.1.** REGULAR MEETING OF THE COMMUNITY FINANCING AUTHORITY

**CONTACT:** STEPHANIE MEYER, FINANCE DIRECTOR

**G. BLUE FOLDER ITEMS - ADDITIONAL BACK UP MATERIALS**

*Blue folder items are additional back up material to administrative reports and/or public comments received after the printing and distribution of the agenda packet for receive and file.*

**G.1.** For Blue Folder Documents Approved at the City Council Meeting

**H. CONSENT CALENDAR**

*Business items, except those formally noticed for public hearing, or those pulled for discussion are assigned to the Consent Calendar. The Mayor or any City Council Member may request that any Consent Calendar item(s) be removed, discussed, and acted upon separately. Items removed from the Consent Calendar will be taken up under the "Excluded Consent Calendar" section below. Those items remaining on the Consent Calendar will be*

*approved in one motion. The Mayor will call on anyone wishing to address the City Council on any Consent Calendar item on the agenda, which has not been pulled by Council for discussion. Each speaker will be permitted to speak only once and comments will be limited to a total of three minutes.*

**H.1.** APPROVE AFFIDAVIT OF POSTING FOR THE CITY COUNCIL ADJOURNED AND REGULAR MEETING OF NOVEMBER 4, 2025

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.2.** APPROVE MOTION TO READ BY TITLE ONLY AND WAIVE FURTHER READING OF ALL ORDINANCES AND RESOLUTIONS LISTED ON THE AGENDA

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.3.** APPROVE THE FOLLOWING CITY COUNCIL MINUTES:
A. OCTOBER 14, 2025 ADJOURNED AND REGULAR MEETING
B. OCTOBER 21, 2025 ADJOURNED AND REGULAR MEETING

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.4.** PAYROLL DEMANDS
CHECKS 30432-30448 IN THE AMOUNT OF $20,852.07, PD. 10/24/25
DIRECT DEPOSIT 302348-302969 IN THE AMOUNT OF $2,372,565.42, PD. 10/24/25
EFT/ACH $9,598.53, PD. 10/10/25 (PP2521)
EFT/ACH $473,281.31, PD. 11/3/25 (PP2521)

ACCOUNTS PAYABLE DEMANDS
CHECKS 122155-122347 IN THE AMOUNT OF $3,963,756.08
EFT CALPERS MEDICAL INSURANCE $524,939.20
DIRECT DEPOSIT 100009889-100009977 IN THE AMOUNT OF $100,338.39, PD.10/31/25
REPLACEMENT DEMANDS 122152-122154

**CONTACT:** STEPHANIE MEYER, FINANCE DIRECTOR

**H.5.** APPROVE CONTRACTS UNDER $35,000:

1. APPROVE AN AGREEMENT WITH MARK GROH FOR PARKING CITATION APPEAL ADJUDICATION SERVICES IN AN AMOUNT NOT TO EXCEED $16,800 FOR THE TERM NOVEMBER 4, 2025 TO NOVEMBER 3, 2028

CONTACT: JOE HOFFMAN, CHIEF OF POLICE

2. APPROVE AN AGREEMENT WITH STREAMLINE AUTOMATION SYSTEMS, LLC TO PROVIDE SOFTWARE FOR FIRE INSPECTIONS IN AN AMOUNT NOT TO EXCEED $32,366 FOR THE TERM NOVEMBER 22, 2025 TO NOVEMBER 21, 2026 WITH ONE AUTOMATIC ONE-YEAR RENEWAL

CONTACT: PATRICK BUTLER, FIRE CHIEF

**H.6.** APPROVE A CHARGE READY TRANSPORT PROGRAM PARTICIPATION AGREEMENT WITH SOUTHERN CALIFORNIA EDISON FOR INSTALLATION OF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE AT THE CITY'S PUBLIC WORKS YARD AT 531 NORTH GERTRUDA

APPROVE THE GRANTING OF AN EASEMENT TO SOUTHERN CALIFORNIA EDISON AT THE CITY'S PUBLIC WORKS YARD TO ALLOW FOR CONSTRUCTION AND MAINTENANCE OF THE NEW ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.7.** APPROVE THE TEMPORARY STREET CLOSURE OF AVENUE H AT DORIS WAY FROM NOVEMBER 28, 2025 THROUGH JANUARY 2, 2026 AND THE ASSOCIATED TRAFFIC CONTROL AND TRASH COLLECTION MEASURES TO HELP MITIGATE THE EFFECTS OF THE ANNUAL TORRANCE HOLIDAY LIGHT DISPLAY

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.8.** APPROVE A SECOND AMENDMENT TO THE ON-CALL CONSULTING SERVICES AGREEMENT WITH ELLIS ENVIRONMENTAL MANAGEMENT, INC. TO INCREASE THE NOT TO EXCEED AMOUNT BY $100,000 FOR A NEW NOT TO EXCEED TOTAL OF $300,000 AND TO EXTEND THE TERM THROUGH NOVEMBER 1, 2027

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.9.** APPROVE THE PURCHASE OF A 2026 CHEVROLET SILVERADO 1500 VEHICLE FROM OLATHE FORD SALES INC. FOR USE BY THE FIRE DEPARTMENT, FOR A TOTAL COST OF $70,017

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.10.** ADOPT BY TITLE ONLY RESOLUTION NO. CC-2511-082 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE FY 2025/26 SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE-25) GRANT AGREEMENT, GRANT NUMBER C25S0607 FROM THE DEPARTMENT OF PARKS AND RECREATION, DIVISION OF BOATING AND WATERWAYS, AND AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE THE AGREEMENT AND ANY RELATED DOCUMENTS

ADOPT BY 4/5THS VOTE AND BY TITLE ONLY RESOLUTION NO. CC-2511-083 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AUTHORIZING A 2025-2026 FISCAL YEAR BUDGET MODIFICATION APPROPRIATING $50,000 IN GRANT FUNDS FROM THE CALIFORNIA DEPARTMENT OF PARKS AND RECREATION DIVISION OF BOATING AND WATERWAYS, GRANT NUMBER C25S0607 TO THE CITY'S WATERFRONT & ECONOMIC DEVELOPMENT DEPARTMENT BUDGET FOR THE DISPOSAL OF ABANDONED OR SURRENDERED VESSELS IN KING HARBOR

**CONTACT:** GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

**H.11.** ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-084, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPOINTING AN ADVISORY BOARD IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT AND DIRECTING THE PREPARATION OF A REPORT FOR CALENDAR YEAR 2026

ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-085, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE REPORT OF THE ADVISORY BOARD FOR CALENDAR YEAR 2025 IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT

ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-086, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DECLARING ITS INTENTION TO LEVY AN ASSESSMENT AGAINST BUSINESSES WITHIN THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT FOR CALENDAR YEAR 2026 AND SETTING A TIME AND PLACE FOR HEARING OBJECTIONS THERETO; AND

SET NOVEMBER 18, 2025 AT 6:00 PM AS THE DATE AND TIME FOR THE PUBLIC HEARING ON THE LEVY OF THE PROPOSED ASSESSMENTS

**CONTACT:** GREG KAPOVICH, WATERFRONT & ECONOMIC DEVELOPMENT DIRECTOR

**H.12.** ADOPT BY TITLE ONLY ORDINANCE NO. 3307-25, AN ORDINANCE OF THE CITY OF REDONDO BEACH, CALIFORNIA, ADOPTING BY REFERENCE THE 2025 EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE, CALIFORNIA HISTORICAL BUILDING CODE, THE CALIFORNIA REFERENCE STANDARDS CODE, 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2006 UNIFORM SWIMMING POOL, SPA, AND HOT TUB CODE, 1997 UNIFORM HOUSING CODE, AND 1997 UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS TOGETHER WITH CERTAIN DELETIONS, ADDITIONS AND AMENDMENTS TO TITLES 3, 5, AND 9 OF THE REDONDO BEACH MUNICIPAL CODE. FOR SECOND READING AND ADOPTION

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

**H.13.** APPROVE HISTORIC PROPERTY PRESERVATION AGREEMENTS FOR THE PROPERTIES LOCATED AT 217 AVENUE F AND 102 N BROADWAY FOR A TERM OF TEN YEARS WITH AUTOMATIC ONE-YEAR RENEWALS

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

**H.14.** RECEIVE AND FILE THE CITY ATTORNEY AUTHORIZATION REPORT FOR SETTLEMENTS IN AN AMOUNT UP TO $25,000

**CONTACT:** JOY A. FORD, CITY ATTORNEY

**H.15.** APPROVE A LETTER OF AGREEMENT FOR FUNDING AND OPERATION OF THE REDONDO BEACH EMERGENCY HOMELESS SHELTER (PALLET SHELTER) FOR AN AMOUNT NOT TO EXCEED $145,927.74 TO BE FUNDED BY STATE PERMANENT LOCAL HOUSING ALLOCATION FUNDS FOR THE TERM OCTOBER 1, 2025 TO MARCH 31, 2026

**CONTACT:** JOY A. FORD, CITY ATTORNEY

**H.16.** APPROVE CANCELLATION OF THE NOVEMBER 11, 2025 REGULAR CITY COUNCIL MEETING

**CONTACT:** ELEANOR MANZANO, CITY CLERK

## I. EXCLUDED CONSENT CALENDAR ITEMS

## J. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

*This section is intended to provide members of the public with the opportunity to comment on any subject that does not appear on this agenda for action. This section is limited to 30 minutes. Each speaker will be afforded three minutes to address the Mayor and Council. Each speaker will be permitted to speak only once. Written requests, if any, will be considered first under this section.*

**J.1.** For eComments and Emails Received from the Public

## K. EX PARTE COMMUNICATIONS

*This section is intended to allow all elected officials the opportunity to reveal any disclosure or ex parte communication about the following public hearings*

## L. PUBLIC HEARINGS

## M. ITEMS CONTINUED FROM PREVIOUS AGENDAS

## N. ITEMS FOR DISCUSSION PRIOR TO ACTION

**N.1.** DISCUSSION AND POSSIBLE ACTION REGARDING THE INSTALLATION OF A PUBLIC BOAT LAUNCH ON MOLE D IN KING HARBOR

APPROVE OPTION E AS THE PREFERRED LOCATION FOR THE BOAT LAUNCH AND DIRECT STAFF TO PREPARE A RESOLUTION TO APPLY FOR A GRANT FROM THE CALIFORNIA DIVISION OF BOATING & WATERWAYS TO FUND THE RAMP'S FINAL DESIGN AND CONSTRUCTION

**CONTACT:** GREG KAPOVICH, WATERFRONT & ECONOMIC DEVELOPMENT DIRECTOR

**N.2.** DISCUSSION AND POSSIBLE ACTION REGARDING THE PROCESS TO CONSIDER AMENDING THE CITY'S LOCAL COASTAL PROGRAM TO ADJUST THE PARKING REQUIREMENTS FOR MARINA SLIPS

**CONTACT:** GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

**N.3.** DISCUSSION AND POSSIBLE ACTION REGARDING THE DESIGN OF THE KING HARBOR GATEWAY SIGN REPLACEMENT AND UPDATES TO CITY MAINTAINED FLAGS AND PENNANTS

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR
JANE CHUNG, ASSISTANT TO THE CITY MANAGER

## O. CITY MANAGER ITEMS

## P. MAYOR AND COUNCIL ITEMS

## Q. MAYOR AND COUNCIL REFERRALS TO STAFF

## R. RECESS TO CLOSED SESSION

**R.1.** CONFERENCE WITH LEGAL COUNSEL AND LABOR NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54957.6.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Diane Strickfaden, Director of Human Resources

EMPLOYEE ORGANIZATIONS:
Redondo Beach Police Officers' Association, Redondo Beach Police Management Unit; and Redondo Beach Firefighters' Association

**R.2.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Gregory Langadinos v. Los Angeles County Superior Court et al.
Case Number: 225CV04746-MEMF-DTB

**R.3.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Mark Rhoads v. City of Redondo Beach; Chief Joe Hoffman; City Manager Mike Witzansky; Officer Bryan; and DOES 1-20, inclusive
Case Number: 2:25-cv-09806-PD

**R.4.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
John Bell v. City of Redondo Beach
Case Number: 2:25-cv-09421-MCS-SSC

**R.5.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
City of Redondo Beach, et al. v. California State Water Resources Control Board
Case Number: 20STCP03193

**R.6.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire LLC

Bankruptcy C.D. Cal. Case Number: 2:23-bk-10918-ER

**R.7.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
9300 Wilshire, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development; and DOES 1 through 100, inclusive
Case Number: 23STCP02189

**R.8.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire, LLC (9300 Wilshire, LLC et al. v. AES-Redondo Beach, LLC)
Bankruptcy C.D. Cal. Case Number: 2:23-ap-01163-ER

**R.9.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Yes in My Back Yard, a California nonprofit corporation; SONJA TRAUSS, an individual v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, and DOES 1 through 25 inclusive
Case Number: 23TRCP00325

**R.10.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
New Commune DTLA LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; and DOES 1 through 100, inclusive
Case Number: 23STCV10146

**R.11.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach
Case Number: B336042

**R.12.** CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community

Development, et al.
Case Number: B337897

**R.13.** CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATORS:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
239 & 245 N. Harbor Drive, Redondo Beach, CA 90277
(portions of APN: 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, CA Surf Club

UNDER NEGOTIATION:
Lease Status, Price, and Terms

**R.14.** CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
Portions of the Redondo Beach Marina Parking Lot and Seaside Lagoon
(portions of APN #s: 7503-029-900 and 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, BeachLife Festival

UNDER NEGOTIATION:
Price and Terms

**R.15.** CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE PERSONNEL MATTER/EVALUATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54957(b).

Title: City Manager

## S. RECONVENE TO OPEN SESSION

## T. ADJOURNMENT

The next meeting of the City Council of the City of Redondo Beach will be an Adjourned Regular meeting to be held at 4:30 p.m. (Closed Session) and an Adjourned Regular meeting to be held at 6:00 p.m. (Open Session) on Tuesday, November 18, 2025, in the Redondo Beach City Hall Council Chamber, 415 Diamond Street, Redondo Beach, California.

# Administrative Report

F.1., **File #** 25-1479 **Meeting Date:** 11/4/2025

**TITLE**

CONFERENCE WITH LEGAL COUNSEL AND LABOR NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54957.6.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Diane Strickfaden, Director of Human Resources

EMPLOYEE ORGANIZATIONS:
Redondo Beach Police Officers' Association, Redondo Beach Police Management Unit; and Redondo Beach Firefighters' Association

# Administrative Report

F.2., **File #** 25-1483 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Gregory Langadinos v. Los Angeles County Superior Court et al.
Case Number: 225CV04746-MEMF-DTB

# Administrative Report

F.3., **File #** 25-1482 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Mark Rhoads v. City of Redondo Beach; Chief Joe Hoffman; City Manager Mike Witzansky; Officer Bryan; and DOES 1-20, inclusive
Case Number: 2:25-cv-09806-PD

# Administrative Report

F.4., **File #** 25-1492 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
John Bell v. City of Redondo Beach
Case Number: 2:25-cv-09421-MCS-SSC

# Administrative Report

F.5., **File #** 25-1495 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
City of Redondo Beach, et al. v. California State Water Resources Control Board
Case Number: 20STCP03193

# Administrative Report

F.6., **File #** 25-1496 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire LLC
Bankruptcy C.D. Cal. Case Number: 2:23-bk-10918-ER

# Administrative Report

F.7., **File #** 25-1497 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
9300 Wilshire, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development; and DOES 1 through 100, inclusive
Case Number: 23STCP02189

# Administrative Report

F.8., **File #** 25-1498 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
In re 9300 Wilshire, LLC (9300 Wilshire, LLC et al. v. AES-Redondo Beach, LLC)
Bankruptcy C.D. Cal. Case Number: 2:23-ap-01163-ER

# Administrative Report

F.9., **File #** 25-1499 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
Yes in My Back Yard, a California nonprofit corporation; SONJA TRAUSS, an individual v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, and DOES 1 through 25 inclusive
Case Number: 23TRCP00325

# Administrative Report

F.10., **File #** 25-1500 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case:
New Commune DTLA LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; and DOES 1 through 100, inclusive
Case Number: 23STCV10146

# Administrative Report

F.11., **File #** 25-1501 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach
Case Number: B336042

# Administrative Report

F.12., **File #** 25-1502 **Meeting Date:** 11/4/2025

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).

Name of case: New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al.
Case Number: B337897

# Administrative Report

F.13., **File #** 25-1510 **Meeting Date:** 11/4/2025

**TITLE**

CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATORS:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
239 & 245 N. Harbor Drive, Redondo Beach, CA 90277
(portions of APN: 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, CA Surf Club

UNDER NEGOTIATION:
Lease Status, Price, and Terms

# Administrative Report

F.14., **File #** 25-1519 **Meeting Date:** 11/4/2025

**TITLE**

CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

AGENCY NEGOTIATOR:
Mike Witzansky, City Manager
Greg Kapovich, Waterfront & Economic Development Director

PROPERTY:
Portions of the Redondo Beach Marina Parking Lot and Seaside Lagoon
(portions of APN #s: 7503-029-900 and 7503-029-903)

NEGOTIATING PARTIES:
Allen Sanford, BeachLife Festival

UNDER NEGOTIATION:
Price and Terms

# Administrative Report

F.15., **File #** 25-1527 **Meeting Date:** 11/4/2025

**TITLE**

CONFERENCE WITH LEGAL COUNSEL - PUBLIC EMPLOYEE PERSONNEL MATTER/EVALUATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54957(b).

Title: City Manager

# Administrative Report

F.1., **File #** 25-1522 **Meeting Date:** 11/4/2025

**TITLE**

REGULAR MEETING OF THE COMMUNITY FINANCING AUTHORITY

**AGENDA**
**REGULAR MEETING**
**REDONDO BEACH COMMUNITY FINANCING**
**AUTHORITY TUESDAY, NOVEMBER 4, 2025 - 6:00 P.M.**
**REDONDO BEACH CITY COUNCIL CHAMBERS**
**415 DIAMOND STREET**

The Community Financing Authority, a joint powers authority was formed on January 31, 2012, for the purpose of assisting in providing financing, for purposes which are authorized by law and which could finance, lease, own, operate and maintain public capital improvements for any of its members, or to be owned by any of its members.

## CALL MEETING TO ORDER

## ROLL CALL

## A. APPROVAL OF ORDER OF AGENDA

## B. ADDITIONAL ITEMS FOR IMMEDIATE CONSIDERATION

## B1. BLUE FOLDER ITEMS

*Blue folder items are additional back up material to administrative reports and/or public comments received after the printing and distribution of the agenda packet for receive and file.*

## C. CONSENT CALENDAR

*Business items, except those formally noticed for public hearing, or those pulled for discussion are assigned to the Consent Calendar. The Authority Members may request that any Consent Calendar item(s) be removed, discussed, and acted upon separately. Items removed from the Consent Calendar will be taken up under the "Excluded Consent Calendar" section below. Those items remaining on the Consent Calendar will be approved in one motion following Oral Communications.*

**C1.** **APPROVAL OF AFFIDAVIT OF POSTING** for the Regular Community Financing Authority meeting of November 4, 2025.

**C2.** **APPROVAL OF MOTION TO READ BY TITLE ONLY** and waive further reading of all Ordinances and Resolutions listed on the agenda.

**C3.** **APPROVAL OF MINUTES**

a. Regular Meeting of October 7, 2025.

**C4.** **APPROVAL OF CHECK NUMBER 000569 AND 000570 IN THE TOTAL AMOUNT OF $12,531.40.**

## D. EXCLUDED CONSENT CALENDAR ITEMS

## E. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

*This section is intended to provide members of the public with the opportunity to comment on any subject that does not appear on this agenda for action. This section is limited to 30 minutes. Each speaker will be afforded three minutes to address the Community Financing Authority. Each speaker will be permitted to speak only once. Written requests, if any, will be considered first under this section.*

## F. EX PARTE COMMUNICATIONS

## G. PUBLIC HEARINGS

## H. OLD BUSINESS

## I. NEW BUSINESS

## J. MEMBERS ITEMS AND REFERRALS TO STAFF

## K. ADJOURNMENT

The next meeting of the Redondo Beach Community Financing Authority will be a regular meeting to be held at 6:00 p.m. on Tuesday, December 2, 2025, in the Redondo Beach City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

*It is the intention of the City of Redondo Beach to comply with the Americans with Disabilities Act (ADA) in all respects. If, as an attendee or a participant of this meeting you will need special assistance beyond what is normally provided, the City will attempt to accommodate you in every reasonable manner. Please contact the City Clerk's Office at (310) 318-0656 at least forty-eight (48) hours prior to the meeting to inform us of your particular needs and to determine if accommodation is feasible. Please advise us at that time if you will need accommodations to attend or participate in meetings on a regular basis. An Agenda Packet is available 24 hours a day at www.redondo.org under the City Clerk and during City Hall hours. Agenda Packets are also available for review in the Office of the City Clerk.*

*Any writings or documents provided to a majority of the members of the Authority regarding any item on this agenda will be made available for public inspection at the City Clerk's Counter at City Hall located at 415 Diamond Street during normal business hours*

REDONDO BEACH

City Clerk
415 Diamond Street
Redondo Beach CA 90277

Tel: 310.318.0656

Redondo.org

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF REDONDO BEACH )

## AFFIDAVIT OF POSTING

In compliance with the Brown Act, the following materials have been posted at the locations indicated below.

| | |
|---|---|
| Legislative Body | Community Financing Authority |
| Posting Type | Regular Meeting Agenda |
| Posting Locations | 415 Diamond Street, Redondo Beach, CA 90277<br>✓ Adjacent to Council Chambers |
| Meeting Date & Time | November 4, 2025 6:00 p.m. Open Session |

As City Clerk of the City of Redondo Beach, I declare, under penalty of perjury, the document noted above was posted at the date displayed below.

*Eleanor Manzano, City Clerk*
*Redondo Beach Community Financing Authority*

Date: October 30, 2025

**MOTION TO READ BY TITLE ONLY**

and waive further reading of all

Ordinances and Resolutions on the Agenda.

Recommendation - Approve

# REGULAR MEETING OF THE REDONDO BEACH COMMUNITY FINANCING AUTHORITY

## CALL MEETING TO ORDER

Chair Light called a Regular Meeting of the Redondo Beach Community Financing Authority (RBCFA) to order at 6:35 p.m. in the City Hall Council Chamber, 415 Diamond Street, Redondo Beach, California.

## ROLL CALL

RBCFA Members Present: Waller, Castle, Kaluderovic, Obagi, Behrendt, Chair Light

Officials Present: Eleanor Manzano, City Clerk
Mike Witzansky, City Manager
Joy Ford, City Attorney
Laura Diaz, Records Mgmt. Coordinator/Sr. Deputy City Clerk

## A. APPROVAL OF ORDER OF AGENDA

Motion by Member Kaluderovic, seconded by Member Castle, to approve the order of the agenda as presented.

Motion carried 5-0 by voice vote.

## B. ADDITIONAL ITEMS FOR IMMEDIATE CONSIDERATION - None

## B.1. BLUE FOLDER ITEMS – None

Chair Light asked City Manager Witzansky to give some explanation regarding the Community Financing Authority.

City Manager Witzansky stated it is a successor to what used to be known as the Redevelopment Agency; explained through the agency the City is able to take certain actions as it pertains to real estate; stated that evening's focus was on the Kincaid's leasehold in which there was an advance of funds to help construct the building and through the structure the City has paid back for those expenses in a lease leaseback structure; noted in order to approve the checks and payments associated with it the Council steps in and acts as an agency and the City is the beneficiary of the funds.

**C. CONSENT CALENDAR**

**C1. APPROVAL OF AFFIDAVIT OF POSTING for the Regular Community Financing Authority meeting of October 7, 2025.**

**C.2. APPROVAL OF MOTION TO READ BY TITLE ONLY and waive further reading of all Ordinances and Resolutions listed on the agenda.**

**C.3. APPROVAL OF MINUTES**
**a. Regular Meeting of September 2, 2025.**

**C.4. APPROVAL OF CHECK NUMBER 000568 IN THE AMOUNT OF $1,220.17.**

Motion by Member Obagi, seconded by Member Waller, to approve the Consent Calendar.

Mayor Light asked if anyone from the public wanted to address any items on the Consent Calendar.

City Clerk Manzano reported no eComments and no one on Zoom.

Motion carried 5-0 by voice vote.

**D. EXCLUDED CONSENT CALENDAR ITEMS - None**

**E. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS**

Mayor Light asked if anyone from the public wanted to comment on Non-Agenda Items.

City Clerk Manzano reported no one online and no eComments.

**F. EX PARTE COMMUNICATIONS - None**

**G. PUBLIC HEARINGS - None**

**H. OLD BUSINESS - None**

**I. NEW BUSINESS - None**

**J. MEMBERS ITEMS AND REFERRALS TO STAFF - None**

**K. ADJOURNMENT – 6:38 P.M.**

There being no further business to come before the Redondo Beach Community Financing Authority, Member Kaluderovic motioned, seconded by Member Obagi, to adjourn the meeting at 6:38 p.m.

Motion carried 5-0 by voice vote.

The next meeting of the Redondo Beach Community Financing Authority will be a Regular Meeting to be held at 6:00 p.m. on Tuesday, November 4, 2025, in the Redondo Beach City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

All written comments submitted via eComment are included in the record and available for public review on the City website.

Respectfully submitted,

_____

Eleanor Manzano, CMC
City Clerk

# Administrative Report

**Authority Action Date: November 4, 2025**

**To: CHAIRMAN & MEMBERS OF THE COMMUNITY FINANCING AUTHORITY**

**From: STEPHANIE MEYER, FINANCE DIRECTOR**

**Subject: CHECK APPROVAL**

## RECOMMENDATION

Approve check numbers 000569-000570 in the total amount of $12,531.40.

## EXECUTIVE SUMMARY

The attached Summary Check Register lists check 000569 in the amount of $1,275.21 and 000570 in the amount of $11,256.19 for a total amount of $12,531.40 to reimburse the City for expenses paid by the City on behalf of the Community Financing Authority.

## BACKGROUND

The Redondo Beach Public Financing Authority ("PFA"), a joint powers authority, was formed on June 25, 1996, to provide financing for capital improvement projects. The former Redevelopment Agency of the City Redondo Beach, now known as the Successor Agency ("Agency"), joined with the City to form the PFA. The PFA operated rental property and issued bonds to provide funds for public capital improvements. The PFA has the same governing board as the City, which also performs all accounting and administrative functions for the PFA. With the elimination of the City's Redevelopment Agency, the Public Financing Authority has been renamed the Community Financing Authority ("CFA").

In 1997, the City leased the Pier pad known as 500 Fisherman's Wharf to the PFA. The PFA leased the site and acts as building owner and landlord to its tenant, RUI One Corp. ("RUI" dba Kincaid's). In negotiating the lease, the City was to own the building, but did not have the funding available to build the building. RUI had the ability to build the restaurant building at a lower cost than the City, and the PFA was able to obtain a loan to purchase the building. Thus, RUI built the restaurant building and the PFA utilized loan funds to purchase the building from RUI at completion.

Per the lease agreement, the City is responsible for the cost of monthly service costs for water, sewer, and trash; possessory interest taxes; common area expenses as defined; and the repairs to the structural portions of the Building. On a monthly basis, the City is reimbursed for such expenses by the CFA.

The payment to the City of Redondo Beach on check number 000569 in the amount of $1,275.21 is for the reimbursement of the October 2025 water utility bill, and check number 000570 in the amount of $11,256.19 is for the first installment of FY 2025-26 property taxes for the Kincaid's property.

## COORDINATION

Disbursement of the checks will be coordinated with Financial Services.

## FISCAL IMPACT

Check number 000569 to 000570 total $12,531.40.

Submitted by:
*Stephanie Meyer, Finance Director*

Approved for forwarding by:
*Mike Witzansky, City Manager*

**Attachment:**

- Summary Check Register

**COMMUNITY FINANCING AUTHORITY**
**Summary Check Register**

| DATE | CHECK NO | AMOUNT | PAYEE | DESCRIPTION |
|---|---|---|---|---|
| 11/04/25 | 000569 | $ 1,275.21 | City of Redondo Beach | Reimbursement (Water Utility)-September 2025 |
| 11/04/25 | 000570 | $ 11,256.19 | Los Angeles County Tax Collector | FY 25-26 1st Installment |
| | | **$ 12,531.40** | | |

# Administrative Report

G.1., **File #** 25-1503 **Meeting Date:** 11/4/2025

**TITLE**

*For Blue Folder Documents Approved at the City Council Meeting*

# Administrative Report

H.1., **File #** 25-1504 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ELEANOR MANZANO, CITY CLERK

**TITLE**

APPROVE AFFIDAVIT OF POSTING FOR THE CITY COUNCIL ADJOURNED AND REGULAR MEETING OF NOVEMBER 4, 2025

**EXECUTIVE SUMMARY**

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF REDONDO BEACH )

## AFFIDAVIT OF POSTING

In compliance with the Brown Act, the following materials have been posted at the locations indicated below.

| | | |
|---|---|---|
| Legislative Body | City Council | |
| Posting Type | Adjourned & Regular Agenda | |
| Posting Locations | 415 Diamond Street, Redondo Beach, CA 90277<br>✓ Adjacent to Council Chambers | |
| Meeting Date & Time | November 4, 2025 | 4:30 Closed Session<br>6:00 p.m. Open Session |

As City Clerk of the City of Redondo Beach, I declare, under penalty of perjury, the document noted above was posted at the date displayed below.

*Eleanor Manzano, City Clerk*

Date: October 30, 2025

# Administrative Report

H.2., **File #** 25-1505 **Meeting Date:** 11/4/2025

**TITLE**

APPROVE MOTION TO READ BY TITLE ONLY AND WAIVE FURTHER READING OF ALL ORDINANCES AND RESOLUTIONS LISTED ON THE AGENDA

# Administrative Report

H.3., **File #** 25-1506 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ELEANOR MANZANO, CITY CLERK

**TITLE**

APPROVE THE FOLLOWING CITY COUNCIL MINUTES:

A. OCTOBER 14, 2025 ADJOURNED AND REGULAR MEETING
B. OCTOBER 21, 2025 ADJOURNED AND REGULAR MEETING

**EXECUTIVE SUMMARY**

Approval of Council Minutes

**APPROVED BY:**

*Eleanor Manzano, City Clerk*

Minutes
Redondo Beach City Council
Tuesday, October 14, 2025
Closed Session – Adjourned Regular Meeting 4:30 p.m.
Open Session – Regular Meeting 6:00 p.m.

## 4:30 PM - CLOSED SESSION – ADJOURNED REGULAR MEETING

### A. CALL MEETING TO ORDER

An Adjourned Regular Meeting of the Redondo Beach City Council was called to order at 4:30 p.m. by Mayor Pro Tem Behrendt in the City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

### B. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Waller, Castle, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Kaluderovic, Mayor Light |
| Officials Present: | Mike Witzansky, City Manager<br>Joy Ford, City Attorney<br>Melissa Villa, Analyst/Liaison |

### C. SALUTE TO THE FLAG AND INVOCATION - None

### D. BLUE FOLDER ITEMS – ADDITIONAL BACK UP MATERIALS - None

### E. PUBLIC COMMUNICATIONS ON CLOSED SESSION ITEMS AND NON-AGENDA ITEMS

Analyst Villa reported no eComments and no one on Zoom.

### F. RECESS TO CLOSED SESSION

### F.1. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Greg Kapovich, Waterfront & Economic Development Director**
**Brian Campbell, BC Urban**

**PROPERTY:**
**210 Fisherman's Wharf, Redondo Beach, CA 90277**

**(a portion of APN: 7505-002-934)**

**NEGOTIATING PARTIES:**
**Tony Trutanich Jr., Tony's on the Pier, Inc.**

**UNDER NEGOTIATION:**
**Lease Status, Price, and Terms**

**F.2. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54956.8.**

**AGENCY NEGOTIATORS:**
**Mike Witzansky, City Manager**
**Luke Smude, Assistant to the City Manager**

**PROPERTY:**
**3007 Vail Ave., Redondo Beach, CA 90278**
**(a portion of APN: 415-001-7931)**
**Parking Lot at the Corner of Felton Ln. and 182nd St., Redondo Beach, CA 90278 (APN: 415-803-3900)**
**715 Julia Ave, Redondo Beach, CA 90277**
**(portion of parcels APN: 750-702-0900 and APN: 750-702-1900)**
**1935 Manhattan Beach Blvd., Redondo Beach, CA 90278**
**(APN: 404-900-8903)**
**807 Inglewood Ave., Redondo Beach, CA 90278**
**(a Portion of APN: 408-302-4900)**
**200 N. Pacific Coast Highway, Redondo Beach, CA 90277**
**(a portion of APN: 750-500-9902)**

**NEGOTIATING PARTIES:**
**Dr. Nicole Wesley, Superintendent**
**Redondo Beach Unified School District**

**UNDER NEGOTIATION:**
**Both Price and Terms**

**F.3. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**City of Redondo Beach, et al. v. California State Water Resources Control Board**
**Case Number: 20STCP03193**

**F.4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed**

**Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**In re 9300 Wilshire LLC Bankruptcy C.D. Cal.**
**Case Number: 2:23-bk-10918-ER**

**F.5. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**9300 Wilshire, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development; and DOES 1 through 100, inclusive**
**Case Number: 23STCP02189**

**F.6. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**In re 9300 Wilshire, LLC (9300 Wilshire, LLC et al. v. AES-Redondo Beach, LLC) Bankruptcy C.D. Cal. Case Number: 2:23-ap-01163-ER**

**F.7. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**Yes in My Back Yard, a California nonprofit corporation; SONJA TRAUSS, an individual v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, and DOES 1 through 25 inclusive**
**Case Number: 23TRCP00325**

**F.8. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; and DOES 1 through 100, inclusive**
**Case Number: 23STCV10146**

**F.9. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed**

**Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach**
**Case Number: 22TRCP00203**

**F.10. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al.**
**Case Number: 23STCP00426**

**F.11. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**AES Southland Development, LLC and AES Redondo Beach, LLC v. California Coastal Commission**
**Case Number: BS157789**

Analyst Villa read titles to items that would be covered in Closed Session.

City Manager Witzansky announced the following would be participating in Closed Session: City Manager Mike Witzansky, City Attorney Joy Ford, Assistant City Attorney Cheryl Park, Outside Legal Counsels Diana Varat and Ginetta Giovinco, and Community Development Director Marc Wiener.

Motion by Councilmember Castle, seconded by Councilmember Obagi, to move to Closed Session at 4:34 p.m.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

## G. RECONVENE TO OPEN SESSION – 6:11 P.M.

Mayor Pro Tem Behrendt reconvened to Open Session at 6:11 p.m.

## H. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Waller, Castle, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Kaluderovic, Mayor Light |
| Officials Present: | Mike Witzansky, City Manager<br>Joy Ford, City Attorney<br>Melissa Villa, Analyst/Liaison |

## I. ANNOUNCEMENT OF CLOSED SESSION ACTIONS

City Manager Witzansky announced no reportable action for Closed Session.

## J. ADJOURN TO REGULAR MEETING

Motion by Councilmember Obagi, seconded by Councilmember Waller, to adjourn to the Regular Meeting at 6:11 p.m.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

## 6:11 PM – OPEN SESSION – REGULAR MEETING

## A. CALL TO ORDER

A Regular Meeting of the Redondo Beach City Council was called to order at 6:11 p.m. by Mayor Pro Tem Behrendt in the City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

## B. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Waller, Castle, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Kaluderovic, Mayor Light |
| Officials Present: | Mike Witzansky, City Manager<br>Joy Ford, City Attorney<br>Melissa Villa, Analyst/Liaison |

## C. SALUTE TO THE FLAG AND INVOCATION

Mayor Pro Tem Behrendt recognized any veterans and active-duty military for their service.

Mayor Pro Tem Behrendt led in the salute to the flag; asked all to remain standing for a moment of silent invocation.

## D. PRESENTATIONS/PROCLAMATIONS/ANNOUNCEMENTS/AB 1234 TRAVEL

Mayor Pro Tem Behrendt reported no presentations or proclamations for that evening.

Councilmember Waller reported attending the League of California Cities Annual Conference and Expo and various sessions at the event last week along with other Councilmembers, the Mayor, and staff; reported attending the PTSA Car Show and the performance of Urinetown both at held at RUHS.

Councilmember Castle reported attending the League of California Cities Annual Conference and Expo last week and went to a number of sessions; announced his next Community Meeting is scheduled for October 22, 2025 on the second floor of the library and the topic will be about traffic around the high school; noted City staff will be there to speak and invited all to attend; stated he had no expenses from the conference to report.

Councilmember Obagi thanked Chief Hoffman for keeping the community and residents apprised of police activity that went on in Redondo Beach over the last week; stated the residents really appreciate knowing what is happening and helps them feel safe.

Mayor Pro Tem Behrendt reported an AB1234 expenditure from the Cal League Cal Cities Annual event and noted related expenses are available through Renee Michel, Executive Assistant.

## E. APPROVE ORDER OF AGENDA

Motion by Councilmember Obagi, seconded by Councilmember Castle, to approve the order of the agenda as presented.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

## F. AGENCY RECESS – None

## G. BLUE FOLDER ITEMS - ADDITIONAL BACK UP MATERIALS

### G.1. For Blue Folder Documents Approved at the City Council Meeting

Analyst Villa reported three Blue Folder Items for H.7, J.1, and L.1.

Motion by Councilmember Castle, seconded by Councilmember Waller, to receive and file the Blue Folder items.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were

absent.

## H. CONSENT CALENDAR

### H.1. APPROVE AFFIDAVIT OF POSTING FOR THE CITY COUNCIL ADJOURNED AND REGULAR MEETING OF OCTOBER 14, 2025

**CONTACT:** ELEANOR MANZANO, CITY CLERK

### H.2. APPROVE MOTION TO READ BY TITLE ONLY AND WAIVE FURTHER READING OF ALL ORDINANCES AND RESOLUTIONS LISTED ON THE AGENDA

**CONTACT:** ELEANOR MANZANO, CITY CLERK

### H.3. APPROVE THE FOLLOWING CITY COUNCIL MINUTES: NONE

**CONTACT:** ELEANOR MANZANO, CITY CLERK

### H.4. APPROVE THE FIFTH AMENDMENT TO THE AGREEMENT WITH MARK43, INC. TO ADD TERMS AND CONDITIONS RELATED TO SUBSCRIBER DATA PROTECTION, CYBERSECURITY, AND CONFIDENTIAL INFORMATION AND TO INCLUDE THE MARK 43, INC. ON-SCENE SOFTWARE MODULE FOR THE FIRE DEPARTMENT AND INTEGRATE THE KARPEL COMPUTERS SYSTEMS INC. SOFTWARE FOR THE CITY PROSECUTOR'S OFFICE, FOR AN ADDITIONAL AMOUNT OF $9,800, AND THE EXISTING TERM THROUGH JUNE 30, 2026

**CONTACT:** JOE HOFFMAN, CHIEF OF POLICE

### H.5. APPROVE AN AGREEMENT WITH SECTRAN SECURITY, INC. FOR ARMORED VEHICLE PICKUP SERVICE AT CITY HALL, THE COMMUNITY SERVICES DEPARTMENT OFFICE BUILDING, ALTA VISTA COMMUNITY CENTER, AND SEASIDE LAGOON FOR A COST OF $60,000 FOR THE PERIOD OCTOBER 17, 2025 TO OCTOBER 31, 2028

**CONTACT:** ELIZABETH HAUSE, COMMUNITY SERVICES DIRECTOR

### H.6. ADOPT BY TITLE ONLY ORDINANCE 3298-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 2, CHAPTER 9, ARTICLE 1 SECTIONS 2-9.100, 2-9.101, 2-9.102, 2-9.103, 2-9.106, 2-9.107, AND SECTION 2-9.109 AND ADDING SECTIONS 2-9.110 AND 2-9.111 AND DELETING IN ITS ENTIRETY SECTION 2-9.108 PERTAINING TO THE UNIFORM REGULATIONS OF COMMISSIONS. FOR SECOND READING AND ADOPTION

**ADOPT BY TITLE ONLY ORDINANCE 3299-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING REDONDO BEACH MUNICIPAL CODE TITLE 2, CHAPTER 9, ARTICLE 4, SECTIONS 2-9.401, 2-9.402, AND 2-9.403 PERTAINING TO THE PUBLIC WORKS, SAFETY, AND SUSTAINABILITY COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3300-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 2, CHAPTER 9, ARTICLE 7, SECTION 2-9.702 AND AMENDING SECTIONS 2-9.704, AND 2-9.709, AND RENUMBERING TO 2-9.703 AND 2-9.704, RESPECTIVELY, AND DELETING SECTIONS 2-9.705, 2-9.706, 2-9.707, 2-9.708, 2-9.709, 2-9.712 AND 2-9.714; AND RENUMBERING SECTIONS 2-9.710 TO 2-9.705; AND 2-9.711 TO 2-9.706 PERTAINING TO THE HARBOR COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3301-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING REDONDO BEACH MUNICIPAL CODE TITLE 2, CHAPTER 9, ARTICLE 10, SECTIONS 2-9.1002 AND 2-9.1003 PERTAINING TO THE PLANNING COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3302-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 2, CHAPTER 9, ARTICLE 13, SECTIONS 2-9.1301 AND 2-9.1302 PERTAINING TO THE BUDGET AND FINANCE COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3303-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 2, CHAPTER 9, ARTICLE 14, SECTIONS 2-9.1402 AND 2-9.1403 PERTAINING TO THE CULTURAL ARTS COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3304-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 2, CHAPTER 9, ARTICLE 15, SECTIONS 2-9.1502 AND 2-9.1503 PERTAINING TO THE PUBLIC AMENITIES COMMISSION. FOR SECOND READING AND ADOPTION**

**ADOPT BY TITLE ONLY ORDINANCE 3305-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 10, CHAPTER 4, ARTICLES 1, 3, 4, 5 AND 6, SECTIONS 10-4.104, 10-4.302, 10-4.304, 10-4.307, 10-4.308, 10-4.309, 10-4.310, 10-4.404, 10-4.501 AND 10-4.601 PERTAINING TO HISTORIC RESOURCES PRESERVATION. FOR SECOND READING AND ADOPTION**

**CONTACT:** JAMES A. LIGHT, MAYOR
LUKE SMUDE, ASSISTANT TO THE CITY MANAGER

**H.7. APPROVE LEASES AND ADDENDUMS FOR THIRTEEN (13) SINGLE ROOM OCCUPANCY UNITS LOCATED AT 126 WEST D STREET, WILMINGTON, CALIFORNIA 90744 BETWEEN THE CITY OF REDONDO BEACH AND SWAMI INTERNATIONAL TO SERVE AS BRIDGE HOUSING FOR PEOPLE EXPERIENCING HOMELESSNESS FROM THE BEACH CITIES FOR THE AMOUNT NOT TO EXCEED $239,150 FOR THE TERM OF OCTOBER 18, 2025 THROUGH JUNE 30, 2026**

**CONTACT:** JOY A. FORD, CITY ATTORNEY

Mayor Pro Tem Behrendt asked if anyone from the Council or public wanted to pull any items from Consent Calendar.

Analyst Villa reported no one on Zoom.

Motion by Councilmember Waller, seconded by Councilmember Castle, to approve the Consent Calendar as presented.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

Analyst Villa read H.6 adopt by title only Ordinance No. 3298-25, adopt by title only Ordinance 3299-25, adopt by title only Ordinance No. 3300-25, adopt by title only Ordinance No. 3301-25, adopt by title only Ordinance No. 3302-25, adopt by title only Ordinance No. 3303-25, adopt by title only Ordinance No. 3304-25, and adopt by title only Ordinance No. 3305-25 all for second reading and adoption.

## I. EXCLUDED CONSENT CALENDAR ITEMS - None

## J. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS

### J.1. For eComments and Emails Received from the Public

Niki Negrete-Mitchell, District 3, referenced the refinery letter that she presented last week with the refinery's concerns over internal safety protocols breached and public safety issues; noted that Metro's response was less than meaningful; thanked Councilmember Waller for reaching out to the refinery; felt the whole plan should be reconsidered but noted a solution to end the route at the Galleria on Hawthorne Blvd has been suggested a number of times over the years; asked that the Council stay vigilant and take the issue seriously; recommended they make a list of conditions and concerns that the community has and mentioned the large population of vulnerable seniors that will need relocation assistance; gave an example of the Dodger Stadium Gondola project losing due to conditions not being met.

Ron Maroko stated he had four items he wanted to speak about: 1) the need for a swag sale since the City has a new logo and is missing out on revenue and civic pride, 2) felt a book should be offered in the library that includes the complaints and all the recent briefs so the public can be aware of them and give feedback, 3) wanted Council to bring Wilderness Park back for a vote so it can get a landmark status, and 4) the City needs to update the historic resources survey, noting it is about 25 years out of date and there is money in the CIP account for it; voiced concern over the historic homes that are being lost and felt this needs to be a priority so they can get those homes protected.

Desiree Galassi, District 4 and Commissioner on the PAC, agreed with Ron Maroko; mentioned a lot of people don't even realize their homes are on the survey and stated there is a need for outreach by the Commission but urged the Council to have the survey updated asap; opined that the potential new thrift store going in where the Big Lots used to be is not the right kind of energy for the neighborhood.

Analyst Villa stated Nancy Skiba was online but there was no response; reported no one else online and no eComments.

## K. EX PARTE COMMUNICATIONS

Councilmember Waller reported speaking to the City Manager and maybe some staff.

Councilmember Castle reported speaking to the City Manager and staff.

Councilmember Obagi reported speaking to Mayor Pro Tem Behrendt, City staff, and members of the public.

Mayor Pro Tem Behrendt reported speaking to City staff, the Mayor, Councilmember Obagi, and members of the public.

## L. PUBLIC HEARINGS

### L.1. PUBLIC HEARING TO CONSIDER AN ORDINANCE AMENDING THE TITLE 10 CHAPTER 2 ZONING AND LAND USE SECTION (10-2.1707) OF THE REDONDO BEACH MUNICIPAL CODE PERTAINING TO PARKING REGULATIONS FOR NON-RESIDENTIAL USES ON PROPERTIES LOCATED ON ARTESIA AND AVIATION BOULEVARDS

**PROCEDURES:**
**1. Open the public hearing, take testimony**
**2. Close the public hearing**
**3. Introduce for first reading Ordinance No. 3306-25, amending Title 10, Chapter 2 Zoning and Land Use Section 10-2.1707 of the Redondo Beach Municipal Code**

**INTRODUCE BY TITLE ONLY ORDINANCE NO. 3306-25, AN ORDINANCE OF**

**THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 10 CHAPTER 2, ARTICLE 5, SECTION 10-2.1707 OF THE REDONDO BEACH MUNICIPAL CODE PERTAINING TO PARKING REGULATIONS FOR NON-RESIDENTIAL USES LOCATED ON PROPERTIES WITHIN THE ARTESIA AND AVIATION CORRIDORS AREA PLAN. FOR INTRODUCTION AND FIRST READING**

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

Motion by Councilmember Obagi, seconded by Councilmember Castle, to open the public hearing.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

City Manager Witzansky noted that a Blue Folder item pertaining to a revised ordinance option would be covered in the presentation and was accepted and entered into the record earlier.

Community Development Director Marc Wiener provided some background on the item, noted that in August Council provided direction to staff to prepare an ordinance that would eliminate the parking requirements along the AACAP, and on September 9th a draft ordinance was presented to Council and Council provided more direction to staff; reported that Council asked staff to remove the language that prohibits fast food restaurants and drive-thru within the AACAP, remove the language where the parking waiver would not apply to fast-food restaurants and drive-thru types of uses and apply it to all non-residential uses, and to add that preference would be to locate parking at the rear of the property behind the front building with some flexibility for allowing it in the front; reported that staff has incorporated those recommendations into the draft ordinance, the ordinance was reviewed by the Planning Commission on September 18th, and the Commission made several recommendations but only the first one pertained to this ordinance; stated the Planning Commission's recommendation is to prohibit parking at the front of the property with no exceptions; provided the other recommendations the Planning Commission had: limit the width of the driveways into the properties to create more pedestrian oriented environments, that the City start evaluating and exploring locations for potential parking lots, or structures to help address the lack of on-site parking for the businesses, retain the prohibition on fast-food restaurants along Artesia and Aviation, add additional crosswalks in locations that don't currently have them, that the City develop a right-of-way plan that would address parking and street curbside parking; noted that some of the Planning Commission's recommendations are already addressed in the AACAP Planning document; stated, per the City Council's direction, staff included a provision that the off-street parking is required at the rear of the property behind the front building, however, there are exceptions which are covered in the ordinance; provided two drafted options for the Council's consideration: 1) requires an AUP or CUP and all three findings must be met in order to place the parking at the front (included in the packet published), and 2) requires only an AUP and two findings to be met (circulated in the Blue Folder);

explained the process of the two options drafted in more detail; opined that it made more sense to have it be the second option (two of the three findings) but it is up to Council's consideration; staff recommended to open the public hearing and take testimony, close the public hearing, select a preferred option for the rear parking process and findings as discussed, and then introduce by title the ordinance.

City Manager Witzansky added, in consulting with the City Attorney's office, either option can be selected that evening and be introduced for first reading then bring it back for second reading and adoption at the next meeting.

Mayor Pro Tem Behrendt reported it was a unanimous Council, along with the Mayor, decision to go bold on Artesia and Aviation and remove parking requirements to encourage and energize that corridor; noted that, if there becomes a parking problem, Council maintains the ability to make changes; felt they were all in agreement that parking in the rear is preferable but pointed out it is closer to residences; noted that the Planning Director and the Economic Development Subcommittee both recommended option two; opined that the three items are reasonable, strike the right balance, and give people the opportunity to be heard.

Councilmember Obagi thanked Community Development Director Wiener for all his work and efforts in moving the item forward; agreed with Mayor Pro Tem Behrendt regarding keeping the barriers low; pointed out that the sites that do not have a problem getting businesses into are the ones with ample parking but the properties, like the ones on Artesia, have had challenges in finding the good businesses; voiced his support for option two; stated under the Blue Folder item A.1 it says "off street parking shall be located to the rear of the primary building or structure on the lot" and that it does not leave the possibility of underground parking available; suggested to add in "to the rear of or beneath the primary building or structure on the lot".

City Manager Witzansky supported the suggestion and stated it would be an easy change; mentioned staff would have interpreted it as such that they would engage a prospective developer if they felt it could be fiscally feasible and could build it but felt it was good to make it clear.

Councilmember Obagi asked for 2B to bit lit up and noted the driveway apron to Lavender and Honey is huge and they put up a speed sign to try and slow people down at that intersection of Aviation, noted people do not feel safe from the traffic; asked staff their thoughts on putting a maximum on the width of the driveway aprons.

Community Development Director Wiener noted that the Planning Commission recommended maximum widths for driveway aprons; felt it is worth studying and they would work with Public Works on it since it crosses over through the right-of-way; stated if Council provides direction they can bring an ordinance forward that would modify the driveway width; agreed that the scenario presented did not look pedestrian oriented and is not consistent with the esthetic the City is trying to achieve along the corridor.

Mayor Pro Tem Behrendt asked what the next steps would be regarding the driveway apron.

City Manager Witzansky spoke of the Public Works, Safety, and Sustainability Commission along with the City's Traffic Engineer could look into it as it pertains to pedestrian safety; noted it could not be done tonight.

Councilmember Castle pointed out that the picture shown by Councilmember Obagi was actually two adjacent properties and that it is actually two driveways and if a curb were to be placed in the middle it would appear as one solid driveway.

City Manager Witzansky agreed that it could then appear as two-way traffic to each of the two sites; stated they will look into other treatments and strategies.

More discussion ensued.

Councilmember Waller mentioned that the business community is very excited about the progress the City is making on the area; voiced support for option two; spoke briefly about the driveway aprons and felt that the PWSC would be good to defer to; noted during Dine-Around-Artesia he noticed the lack of marked crosswalks in between lights and encouraged progress on that item.

City Manager Witzansky stated one thing to note, as it pertains to the driveways, some of the calculation isn't just the pedestrian driveway conflict but also the safe movement from the street based on traffic speeds on Artesia and Aviation, so it is a street side and pedestrian driveway side calculation.

Councilmember Obagi provided an example of a driveway at the CDC at Jefferson which has a very narrow driveway apron but provides pedestrians more protection since it requires drivers to slow down to enter; addressed Councilmember Waller's topic of the lack of crosswalks, noted that it was asked in the past and the response from the previous Public Works Director was they did not want to give a false illusion that it is safe to cross when it might not be especially on a street like Artesia Blvd.

Mayor Pro Tem Behrendt invited public comment.

Teresa Mitchell provided material to receive and file.

Motion by Councilmember Obagi, seconded by Councilmember Castle, to receive and file.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

Teresa Mitchell, District 4, mentioned she has spoken to her Councilmember and staff quite a bit; noted she has two degrees in Planning and 30 years in land development and

infrastructure; voiced her support for the elimination of parking and reported a draft of this ordinance was sent to UCLA Center for Parking Policy and the AACAP, the Planning Commission, and the UCLA Center for Parking Policy all said not to allow parking in the front setback; noted that once a building is there it is there for generations and if they want the essence of the AACAP the City needs to build the buildings so that they meet that requirement with the parking in the rear; stated that the referenced parking ordinance has a minimum parking or driveway apron of 14 to 30 ft and that if anyone is putting them in right now it defaults to the ordinance and not to Public Works; felt driveway aprons are not pedestrian friendly, they don't leave enough room for street trees, for buffers, for bike racks, or any other accommodations; spoke more about making it difficult to build parking and easier to build buildings; thanked staff and Council for moving the item forward.

Analyst Villa reported no hands raised on Zoom and two eComments in support.

Councilmember Obagi thanked Teresa Mitchell for her input and also for reaching out to the UCLA Center for Parking Policy.

City Manager Witzansky noted because of that inquiry, UCLA will possibly use them as a case study and might be picked up as a research activity as well.

Motion by Councilmember Obagi, seconded by Councilmember Waller, to close the public hearing.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

City Manager Witzansky assisted with the wording of the motion, noted it would be number four from the Procedures/Recommendations slide and incorporating Option 2 language that was provided in the Blue Folder.

Community Development Director Wiener noted to add the insert that Councilmember Obagi mentioned.

Motion by Councilmember Obagi, seconded by Councilmember Castle, to introduce by title only Ordinance No. 3306-25, and incorporating the Blue Folder Item for L.1 and to add the language suggested by Councilmember Obagi adding "beneath" being inserted after "rear of" for first reading and introduction and to direct staff to take the driveway apron regulations to the Public Works and Sustainability and Safety Commission for discussion, consideration, and recommendation.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

Analyst Villa introduced by title only Ordinance No. 3306-25, an ordinance of the City Council of the City of Redondo Beach, California, amending Title 10, Chapter 2, Article 5, Section 10-2.1707 of the Redondo Beach Municipal Code pertaining to parking

regulations for nonresidential uses, located on properties within the Artesia and Aviation Corridors Area Plan for introduction and first reading.

## M. ITEMS CONTINUED FROM PREVIOUS AGENDAS - None

## N. ITEMS FOR DISCUSSION PRIOR TO ACTION - None

## O. CITY MANAGER ITEMS

City Manager Witzansky mentioned next Tuesday night the agenda will include a discussion on their latest draft of their updated smoke shop ordinance for final edits and direction on language, and the bi-annual California building code update for Council consideration and provided more explanation on the item and noted it is a scheduled and noticed public hearing; stated on November 4th there will be a discussion on the City's preferred boat launch location; reported the Harbor Commission came up with a unanimous recommendation which he will provide at the November 4th meeting; stated he has had continued discussions and also a conversation with his Torrance counterpart regarding the activities around the Sleepy Hollow Annual Lights Festival and the ball is back in Torrance's court; noted they do not expect to hear from Torrance and that they will likely bring forward a recommendation on November 4th which will most likely be the same measures they implemented last year.

## P. MAYOR AND COUNCIL ITEMS - None

## Q. MAYOR AND COUNCIL REFERRALS TO STAFF

Mayor Pro Tem Behrendt asked that Council keep in mind that staff are at full capacity as is Council and suggested they speak to the City Manager, Mayor, or another Councilmember if they have a referral.

Councilmember Obagi asked City Manager Witzansky if the budget for the historic registry update was located.

City Manager Witzansky stated they have an appropriation that was part of the 24-25 FY budget that will be carried forward into 25-26 to be spent this FY; mentioned it has been noted and recommended by him to update the City's historic resource survey but, as Mayor Pro Tem Behrendt mentioned, it falls into Community Development Department's purview and they already have very pressing matters at the moment.

Councilmember Obagi asked if a company could be contracted out.

City Manager Witzansky responded that a consultant would be brought on but it would still require staff time and it will be moved forward as quickly as possible.

Councilmember Obagi stated he would like to put on Consent Calendar a motion to provide authority to the COG to convene a committee to explore subregional transit

systems for the upcoming world events.

Councilmember Waller stated he would second that motion.

City Manager Witzansky pointed out that they can't they can't put something on Consent as a referral and it would have to be brought back first as a discussion item to determine what they are proposing for staff; asked if it was something that could be advanced to the staff level or if it had to be a Council policy decision.

More discussion followed to determine the nature of the request and City Manager Witzansky asked if he could allow him a few weeks to sort it out with staff to figure out the impacts and get Council's primer on and decide how to go from there.

Councilmember Obagi was agreeable to that.

**R. RECESS TO CLOSED SESSION - None**

**R.1. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.**

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Greg Kapovich, Waterfront & Economic Development Director**
**Brian Campbell, BC Urban**

**PROPERTY:**
**210 Fisherman's Wharf, Redondo Beach, CA 90277**
**(a portion of APN: 7505-002-934)**

**NEGOTIATING PARTIES:**
**Tony Trutanich Jr., Tony's on the Pier, Inc.**

**UNDER NEGOTIATION:**
**Lease Status, Price, and Terms**

**R.2. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54956.8.**

**AGENCY NEGOTIATORS:**
**Mike Witzansky, City Manager**
**Luke Smude, Assistant to the City Manager**

**PROPERTY:**
**3007 Vail Ave., Redondo Beach, CA 90278**
**(a portion of APN: 415-001-7931)**
**Parking Lot at the Corner of Felton Ln. and 182nd St., Redondo Beach, CA**

**90278**
**(APN: 415-803-3900)**
**715 Julia Ave, Redondo Beach, CA 90277**
**(portion of parcels APN: 750-702-0900 and APN: 750-702-1900)**
**1935 Manhattan Beach Blvd., Redondo Beach, CA 90278**
**(APN: 404-900-8903)**
**807 Inglewood Ave., Redondo Beach, CA 90278**
**(a Portion of APN: 408-302-4900)**
**200 N. Pacific Coast Highway, Redondo Beach, CA 90277**
**(a portion of APN: 750-500-9902)**

**NEGOTIATING PARTIES:**
**Dr. Nicole Wesley, Superintendent**
**Redondo Beach Unified School District**

**UNDER NEGOTIATION:**
**Both Price and Terms**

**R.3. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**City of Redondo Beach, et al. v. California State Water Resources Control Board**
**Case Number: 20STCP03193**

**R.4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**In re 9300 Wilshire LLC**
**Bankruptcy C.D. Cal. Case Number: 2:23-bk-10918-ER**

**R.5. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**9300 Wilshire, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development; and DOES 1 through 100, inclusive**
**Case Number: 23STCP02189**

**R.6. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed**

**Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**In re 9300 Wilshire, LLC (9300 Wilshire, LLC et al. v. AES-Redondo Beach, LLC) Bankruptcy C.D. Cal.**
**Case Number: 2:23-ap-01163-ER**

**R.7. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**Yes in My Back Yard, a California nonprofit corporation; SONJA TRAUSS, an individual v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, and DOES 1 through 25 inclusive**
**Case Number: 23TRCP00325**

**R.8. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; and DOES 1 through 100, inclusive Case Number: 23STCV10146**

**R.9. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach**
**Case Number: 22TRCP00203**

**R.10. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al.**
**Case Number: 23STCP00426**

**R.11. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case:**
**AES Southland Development, LLC and AES Redondo Beach, LLC v. California Coastal Commission**
**Case Number: BS157789**

**S. RECONVENE TO OPEN SESSION**

**T. ADJOURNMENT – 7:12 P.M.**

Motion by Councilmember Castle, seconded by Councilmember Waller, to adjourn at 7:12 p.m. to the next meeting of the City Council of the City of Redondo Beach which will be an Adjourned Regular meeting to be held at 4:30 p.m. (Closed Session) and a Regular meeting to be held at 6:00 p.m. (Open Session) on Tuesday, October 21, 2025, in the Redondo Beach City Hall Council Chamber, 415 Diamond Street, Redondo Beach, California.

Motion carried 4-0-1 by voice vote. Mayor Light and Councilmember Kaluderovic were absent.

Respectfully submitted:

Eleanor Manzano, CMC
City Clerk

Minutes
Redondo Beach City Council
Tuesday, October 21, 2025
Closed Session – Adjourned Regular Meeting 4:30 p.m.
Open Session – Regular Meeting 6:00 p.m.

## 4:30 PM - CLOSED SESSION – ADJOURNED REGULAR MEETING

### A. CALL MEETING TO ORDER

An Adjourned Regular Meeting of the Redondo Beach City Council was called to order at 4:30 p.m. by Mayor Pro Tem Behrendt in the City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

### B. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Waller, Castle, Kaluderovic, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Mayor Light |
| Officials Present: | Mike Witzansky, City Manager<br>Joy Ford, City Attorney<br>Melissa Villa, Analyst/Liaison |

### C. SALUTE TO THE FLAG AND INVOCATION - None

### D. BLUE FOLDER ITEMS – ADDITIONAL BACK UP MATERIALS - None

### E. PUBLIC COMMUNICATIONS ON CLOSED SESSION ITEMS AND NON-AGENDA ITEMS

Analyst Villa reported no eComments and no one on Zoom.

### F. RECESS TO CLOSED SESSION – 4:36 P.M.

### F.1. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Greg Kapovich, Waterfront & Economic Development Director**
**Larry Kosmont, Kosmont Companies**

**PROPERTY:**
**123 International Boardwalk, Redondo Beach, CA 90277**
**(a portion of APN: 7505-002-908)**

**NEGOTIATING PARTIES:**
**Various Tenants**

**UNDER NEGOTIATION:**
**Lease Status, Price, and Terms**

**F.2. CONFERENCE WITH LEGAL COUNSEL AND LABOR NEGOTIATOR - The Closed Session is authorized by the Government Code Sec. 54957.6.**

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Diane Strickfaden, Director of Human Resources**

**EMPLOYEE ORGANIZATIONS:**
**Redondo Beach Police Officers' Association, Redondo Beach Police Management Unit; and Redondo Beach Firefighters' Association**

**F.3. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED POTENTIAL LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(4).**

**One potential case**

**F.4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case: New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach**
**Case Number: B336042**

**F.5. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case: New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al.**
**Case Number: B337897**

Analyst Villa read titles to items that would be covered in Closed Session.

City Manager Witzansky announced the following would be participating in Closed Session: City Manager Mike Witzansky, City Attorney Joy Ford, Assistant City Attorney Cheryl Park, Waterfront and Economic Development Director Greg Kapovich,
Outside Consultants Larry Kosmont and Wil Soholt, Lead Labor Negotiator Laura Kalty, Human Resources Director Diane Strickfaden, Assistant to the City Manager Jane Chung, Outside Legal Counsel Livia Borak Beaudin, and Outside Legal Counsel Peter Pierce and Diana Varat.

Motion by Councilmember Waller, seconded by Councilmember Castle, to recess to Closed Session.

Motion carried 5-0 by voice vote.

## G. RECONVENE TO OPEN SESSION

Mayor Pro Tem Behrendt reconvened to Open Session at 6:15 p.m.

## H. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Castle, Kaluderovic, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Mayor Light, Waller |
| Officials Present: | Eleanor Manzano, City Clerk<br>Mike Witzansky, City Manager<br>Laura Diaz, Records Mgmt. Coordinator/Sr. Deputy City Clerk |

## I. ANNOUNCEMENT OF CLOSED SESSION ACTIONS

City Manager Witzansky announced they were joined by Andrew Perez from Kosmont & Associates for items F.1 and Community Development Director Marc Wiener for F.4 and F.5.

## J. ADJOURN TO REGULAR MEETING

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Obagi, to adjourn to the Regular Meeting at 6:16 p.m.

Motion carried 4-0-1 by voice vote. Councilmember Waller was absent.

## 6:16 PM – OPEN SESSION – REGULAR MEETING

## A. CALL TO ORDER

A Regular Meeting of the Redondo Beach City Council was called to order at 6:16 p.m.

by Mayor Light in the City Hall Council Chambers, 415 Diamond Street, Redondo Beach, California.

## B. ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Castle, Kaluderovic, Obagi, Mayor Pro Tem Behrendt, Waller (arrived at 6:18 p.m.) |
| Councilmembers Absent: | Mayor Light |
| Officials Present: | Eleanor Manzano, City Clerk<br>Mike Witzansky, City Manager<br>Laura Diaz, Records Mgmt. Coordinator/Sr. Deputy City Clerk |

## C. SALUTE TO THE FLAG AND INVOCATION

Mayor Pro Tem Behrendt recognized any veterans and active-duty military for their service. None were present.

Kiran, 8th grader at Adams Middle School, led in the Pledge of Allegiance.

Mayor Pro Tem Behrendt asked all to remain standing for a moment of silent invocation.

Councilmember Waller arrived at 6:18 p.m.

## D. PRESENTATIONS/PROCLAMATIONS/ANNOUNCEMENTS/AB 1234 TRAVEL

## D.1. MAYOR'S PROCLAMATION OF OCTOBER 19 TO 25, 2025 AS UNITED AGAINST HATE WEEK

Mayor Pro Tem Behrendt, on behalf of the City of Redondo Beach, proclaimed October 19-25, 2025 as United Against Hate Week, thanked Vanessa Poster, BCDH Board Member, and Scott Houston, West Basin Water District Board Member, for being there; announced they are both members of the South Bay Community Coalition Against Hate; spoke about the meaning of the week, stating it is about community action standing against division, discrimination, and fear; stated Los Angeles County recorded, in 2023, 1350 hate crimes, noted it was the highest number ever documented; spoke more about the impact these hate crimes cause and what people can do to counter it; stated by proclaiming October 19-25 as United Against Hate Week Redondo Beach is sending a clear message "Hate has no place here in the City, everyone belongs" and it reaffirms the City's support for its community partners; encouraged everyone in Redondo Beach to take part to become a stronger more inclusive community; thanked the Police Department for all their part in keeping the community safe; presented a Certificate of Proclamation to both Vanessa Poster and Scott Houston.

Scott Houston spoke more about the organizations that are involved with the Coalition Against Hate and mentioned the BCHD held Yoga for Unity the night before; announced Community by Candlelight Vigil in El Segundo on October 22nd at 5:30 p.m. at the city hall, Interfaith Unity Walk on October 23rd at 9:30 in Manhattan Beach, and holding a food drive all week for Richstone Family Center for their single-mom project; noted the events can be found on their website at southbayvshate.org.

Vanessa Poster reported a bin will be at BCHD's Center for Health and Fitness to collect any food donations; stated their theme this year is about building community, building connections, and finding peace within ourselves; provided Neighbors United Against Hate stickers for each of the Councilmembers and showed posters that they have created for the City to post.

Councilmember Waller reported attending a ceremony to honor Carl Dreizler with a commemorative brick at the Redondo Union Alumni House for his efforts and work on the renovations for the house; attended the Clean Power Alliance Board Meeting last week, where they spoke about the Power Ready Program and provided an update on the program and on changes that will occur on people's bills; attended the RUHS Homecoming last week, where he presented a certificate at the Domestic Violence Awareness Vigil; announced the Keep the Esplanade Beautiful mixer event at HT Grill on October 22nd at 5:30 p.m., the soft launch opening of Montauk on October 26th , West Basin's Harvest Water Festival 10 a.m. to 2 p.m. at the Edward Little Water Recycling facility in El Segundo, and the Riviera Village Annual Trick or Treat event on October 31st starting at 3:00 p.m.

Councilmember Castle announced his Community Meeting for October 22nd on the second floor of the library starting at 5:30 p.m. with guest speaker Traffic Engineer Ryan Liu.

Councilmember Kaluderovic attended the 120th Homecoming game at RUHS; reported having her District 3 Community Meeting on Saturday where they discussed various District 3 and Citywide topics and will be holding an in-person District 3 meeting in November, but the date is yet to be determined.

Councilmember Obagi announced that Hermosa Beach is the latest of a number of cities to join Redondo Beach in favoring the Hawthorne alignment of the sea lion extension; thanked a number of people for their support; reported that is four cities (Hermosa Beach, Redondo Beach, Lawndale, and Hawthorne) in favor of the Hawthorne alignment of the sea lion extension, noted Torrance is in favor of the ROW; stated the Metro directors will probably discuss it on December 4th; reported the Artesia Blvd survey has been kept open for additional week due to glitches with the link and was also included in the Blue Folder; thanked Mike Klein and the Public Works team for fixing up street damage on Artesia Blvd. ; reported receiving a lot of complaints regarding the intersection at Grant and Blossom and announced the PWSC will hold a hearing regarding that intersection on October 27th at 7:00 p.m. in the City Hall Chambers.

## E. APPROVE ORDER OF AGENDA

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Kaluderovic, to approve the order of the agenda as published.

Motion carried 5-0 by voice vote.

## F. AGENCY RECESS – 6:35 P.M.

## F.1. SPECIAL MEETING OF THE REDONDO BEACH HOUSING AUTHORITY

**CONTACT:** ELIZABETH HAUSE, COMMUNITY SERVICES DIRECTOR

## RECONVENE TO REGULAR MEETING FROM AGENCY MEETING – 6:38 P.M.

## ROLL CALL

| | |
|---|---|
| Councilmembers Present: | Waller, Castle, Kaluderovic, Obagi, Mayor Pro Tem Behrendt |
| Councilmembers Absent: | Mayor Light |
| Officials Present: | Eleanor Manzano, City Clerk<br>Mike Witzansky, City Manager<br>Joy Ford, City Attorney<br>Laura Diaz, Records Mgmt. Coordinator/ Sr. Deputy City Clerk |

## G. BLUE FOLDER ITEMS - ADDITIONAL BACK UP MATERIALS

## G.1. For Blue Folder Documents Approved at the City Council Meeting

City Clerk Manzano reported two Blue Folder items: J.1, and L.1.

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Waller, to receive and file the Blue Folder items.

Motion carried 5-0 by voice vote.

## H. CONSENT CALENDAR

## H.1. APPROVE AFFIDAVIT OF POSTING FOR THE CITY COUNCIL ADJOURNED AND REGULAR MEETING OF OCTOBER 21, 2025

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.2. APPROVE MOTION TO READ BY TITLE ONLY AND WAIVE FURTHER READING OF ALL ORDINANCES AND RESOLUTIONS LISTED ON THE AGENDA**

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.3. APPROVE THE FOLLOWING CITY COUNCIL MINUTES:**
**A. OCTOBER 7, 2025 ADJOURNED AND REGULAR MEETING**

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.4. PAYROLL DEMANDS**
**CHECKS 30415-30431 IN THE AMOUNT OF $29,827.14, PD. 10/10/25**
**DIRECT DEPOSIT 301722-302347 IN THE AMOUNT OF $2,328,971.17, PD. 10/10/25**
**EFT/ACH $9,065.19, PD. 9/26/25 (PP2520)**
**EFT/ACH $473,250.57, PD. 10/20/25 (PP2520)**

**ACCOUNTS PAYABLE DEMANDS**
**CHECKS 121841-122151 IN THE AMOUNT OF $2,884,676.75**

**CONTACT:** STEPHANIE MEYER, FINANCE DIRECTOR

**H.5. APPROVE CONTRACTS UNDER $35,000:**

1. **APPROVE A THIRD AMENDMENT TO THE AGREEMENT WITH FHN FINANCIAL MAIN STREET ADVISORS, LLC (ASSIGNED TO MEEDER PUBLIC FUNDS, INC.) FOR NON-DISCRETIONARY INVESTMENT ADVISORY SERVICES TO EXTEND THE TERM TO JANUARY 31, 2029**

   **CONTACT:** EUGENE SOLOMON, CITY TREASURER

2. **APPROVE A SECOND AMENDMENT TO THE AGREEMENT WITH CANNON CORPORATION FOR PROJECT CLOSEOUT SERVICES FOR THE MANHATTAN BEACH BOULEVARD RESURFACING - AVIATION BOULEVARD TO INGLEWOOD AVENUE PROJECT, JOB NO. 41160 FOR AN ADDITIONAL AMOUNT OF $4,840 FOR THE EXISTING TERM THROUGH NOVEMBER 20, 2025**

   **CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.6. APPROVE THE PURCHASE OF 479 COBRA HEAD STREET LIGHT FIXTURES FROM LEOTEK ELECTRONICS FOR A COST OF $144,927, FOUR DECORATIVE TUDOR-STYLE LIGHT FIXTURES FROM STRESSCRETE FOR**

**A COST OF $6,610, AND VARIOUS LIGHT FIXTURES FROM WALTERS WHOLESALE ELECTRIC FOR A COST OF $47,483**

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.7. APPROVE AMENDMENT NO. 9 TO FUNDING AGREEMENT #MOU.MR312.20 BETWEEN THE CITY OF REDONDO BEACH AND METRO FOR THE AVIATION BOULEVARD AT ARTESIA BOULEVARD INTERSECTION IMPROVEMENTS PROJECT, JOB NO. 40780, TO ADD AN ADDITIONAL $400,000 IN MEASURE R FUNDS IN FISCAL YEAR 2025-26.**

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.8. APPROVE THE PURCHASE OF ONE CASE FORKLIFT AND ONE CASE ASPHALT COMPACTOR FROM SONSRAY MACHINERY FOR USE BY THE PUBLIC WORKS DEPARTMENT FOR A TOTAL COST OF $230,477**

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.9. APPROVE AN AGREEMENT WITH ACCO ENGINEERED SYSTEMS TO PROVIDE AND INSTALL A 150-TON REPLACEMENT CHILLER UNIT AT THE REDONDO BEACH PERFORMING ARTS CENTER FOR A COST NOT TO EXCEED $365,438, INCLUDING A 10% CONTINGENCY**

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.10. APPROVE A FIFTH AMENDMENT TO THE AGREEMENT WITH GEOSYNTEC CONSULTANTS, INC. FOR DEVELOPMENT OF A FEASIBILITY STUDY AND GRANT APPLICATION FOR A JOINT HERONDO WATERSHED GREEN STREET PROJECT TO BE COORDINATED WITH THE CITY OF HERMOSA BEACH, FOR AN AMOUNT NOT TO EXCEED $60,000, AND A NEW TOTAL CONTRACT AMOUNT OF $1,554,027**

**CONTACT:** ANDREW WINJE, PUBLIC WORKS DIRECTOR

**H.11. APPROVE A TRANSIT SERVICES AGREEMENT WITH THE CITY OF HERMOSA BEACH FOR OPERATION OF BEACH CITIES TRANSIT LINE 109 FOR A ONE-YEAR PERIOD, BEGINNING JULY 1, 2025 THROUGH JUNE 30, 2026, FOR A FEE OF $17,183 ADOPT BY 4/5THS VOTE AND TITLE ONLY RESOLUTION NO. CC-2510-081, A RESOLUTION OF THE CITY OF REDONDO BEACH, CALIFORNIA, AUTHORIZING A FISCAL YEAR 2025-26 BUDGET MODIFICATION TO ALLOCATE $17,183 FROM THE CITY OF HERMOSA BEACH FOR BEACH CITIES TRANSIT LINE 109 COST SHARING TO TRANSIT FUNDS**

**CONTACT:** ELIZABETH HAUSE, COMMUNITY SERVICES DIRECTOR

**H.12. APPROVE AND EXECUTE THE ESCROW INSTRUCTIONS LETTER AND THE AGREEMENT CONTAINING COVENANTS, RESTRICTIONS, AND OPTION TO PURCHASE FOR THE SALE OF THE AFFORDABLE HOUSING UNIT AT 2001 ARTESIA BOULEVARD, UNIT #301, REDONDO BEACH, CALIFORNIA 90278**

**CONTACT:** ELIZABETH HAUSE, COMMUNITY SERVICES DIRECTOR

**H.13. APPROVE AN AGREEMENT WITH WOODS MAINTENANCE SERVICES, INC., DBA GRAFFITI CONTROL SYSTEMS, FOR GRAFFITI REMOVAL SERVICES AND ADDITIONAL AS-NEEDED PUBLIC WORKS MAINTENANCE SERVICES, FOR A TOTAL THREE-YEAR AMOUNT NOT TO EXCEED $487,263 AND THE TERM NOVEMBER 1, 2025 TO OCTOBER 30, 2028, WITH TWO AUTOMATIC ONE-YEAR RENEWALS UNLESS TERMINATED**

**CONTACT:** JOE HOFFMAN, CHIEF OF POLICE

**H.14. ADOPT BY TITLE ONLY RESOLUTION NO. CC-2510-079, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, LEASING CERTAIN PROPERTY TO 211 CRYSTAL COVE APTS, LLC, A DELAWARE CORPORATION APPROVE A GROUND LESSOR ESTOPPEL CERTIFICATE AND AN AMENDMENT TO THE LEASE TO INCLUDE A NON-MERGER CLAUSE FOR 211 CRYSTAL COVE APTS, LLC**

**CONTACT:** GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

**H.15. APPROVE AN AMENDMENT TO THE AGREEMENT WITH ROBERT HALF, INC. FOR TEMPORARY STAFF AUGMENTATION SERVICES IN THE COMMUNITY DEVELOPMENT DEPARTMENT BUILDING SERVICES DIVISION TO EXTEND THE TERM THROUGH DECEMBER 31, 2026 APPROVE A FIFTH AMENDMENT TO THE AGREEMENT WITH ROBERT HALF, INC. FOR TEMPORARY STAFF AUGMENTATION SERVICES IN THE FINANCIAL SERVICES DEPARTMENT AND THE CITY CLERK'S OFFICE FOR AN ADDITIONAL AMOUNT OF $130,000 AND TO EXTEND THE TERM THROUGH DECEMBER 31, 2026**

**CONTACT:** STEPHANIE MEYER, FINANCE DIRECTOR
ELEANOR MANZANO, CITY CLERK
MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

**H.16. ADOPT BY TITLE ONLY RESOLUTION NO. CC-2510-080, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING THE OFFICIAL BOOK OF CLASS SPECIFICATIONS TO AMEND THE POSITION OF ASSISTANT CITY CLERK**

**CONTACT:** ELEANOR MANZANO, CITY CLERK

**H.17. APPROVE A MASTER SERVICES AGREEMENT WITH CAYLENT INC. FOR A PROOF OF VALUE IMPLEMENTATION OF AMAZON WEB SERVICES BEDROCK DOCUMENT MODERNIZATION PLATFORM FOR THE TERM OCTOBER 22, 2025 THROUGH OCTOBER 21, 2026, AT NO COST TO THE CITY**

**CONTACT:** MIKE COOK, INFORMATION TECHNOLOGY DIRECTOR

**H.18. APPROVE A PROFESSIONAL SERVICES AGREEMENT WITH CITYGATE ASSOCIATES, LLC TO ANALYZE THE COST TO PROVIDE CONTRACT FIRE AND EMERGENCY SERVICES FOR THE CITY OF HERMOSA BEACH FOR AN AMOUNT NOT TO EXCEED $25,956 AND A TERM EXPIRING ON OCTOBER 20, 2026**

**CONTACT:** PATRICK BUTLER, FIRE CHIEF

**H.19. APPROVE A PROFESSIONAL SERVICES AGREEMENT WITH CITYGATE ASSOCIATES, LLC TO PREPARE A FEASIBILITY STUDY TO ASSESS THE CITY'S ABILITY TO PROVIDE BASIC LIFE SUPPORT AMBULANCE SERVICES IN-HOUSE FOR AN AMOUNT NOT TO EXCEED $19,909 AND A TERM EXPIRING ON OCTOBER 20, 2026**

**CONTACT:** PATRICK BUTLER, FIRE CHIEF

**H.20. ADOPT BY TITLE ONLY ORDINANCE NO. 3306-25, AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AMENDING TITLE 10 CHAPTER 2, ARTICLE 5, SECTION 10-2.1707 OF THE REDONDO BEACH MUNICIPAL CODE PERTAINING TO PARKING REGULATIONS FOR NON-RESIDENTIAL USES LOCATED ON PROPERTIES WITHIN THE ARTESIA AND AVIATION CORRIDORS AREA PLAN. FOR SECOND READING AND ADOPTION.**

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

**H.21. RECEIVE AND FILE THE MONTHLY UPDATE TO THE STRATEGIC PLAN OBJECTIVES ADOPTED BY THE CITY COUNCIL ON JUNE 10, 2025**

**CONTACT:** LUKE SMUDE, ASSISTANT TO THE CITY MANAGER

**H.22. APPROVE AN AMENDMENT TO THE AGREEMENT WITH ARTIST ERNESTO MARANJE FOR THE PUBLIC ARTWORK "SEA CHATTER" TO BE LOCATED ON THE N. CATALINA AVENUE AND N. GERTRUDA AVENUE WALLS BORDERING THE PUBLIC WORKS MAINTENANCE FACILITY AT 545 N. GERTRUDA AVENUE TO EXTEND THE TERM FROM DECEMBER 2, 2025 TO**

**JANUARY 30, 2026**

**CONTACT:** ELIZABETH HAUSE, COMMUNITY SERVICES DIRECTOR

City Clerk Manzano reported no one online and no eComments for Consent Calendar.

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Obagi, to approve the Consent Calendar as presented.

Motion carried 5-0 by voice vote.

City Clerk Manzano read adopt by 4/5ths vote and title only Resolution No. CC-2510-081, adopt by title only Resolution No. CC-2510-079, adopt by title only Resolution No. CC-2510-080, and adopt by title only Ordinance No. 3306-25.

## I. EXCLUDED CONSENT CALENDAR ITEMS - None

## J. PUBLIC PARTICIPATION ON NON-AGENDA ITEMS – 6:42 p.m.

### J.1. For eComments and Emails Received from the Public

Holly Osborne spoke about the unsatisfactory arguments Metro has given regarding the ROW options of the green line; highlighted that Metro stated they would make the ROW quiet zone ready, meaning the train would not have to sound its horn when it comes to a quiet zone crossing; explained the concerns the residents have with this option, noting the LRT trains pass 100 to 300 times a day and a quiet zone does nothing to mitigate that noise; reported she gave this speech, in June, to the Construction Committee as well.

Jim Mueller stated there were over 5,000 positive responses on the North Redondo Beach Facebook page regarding having a farmer's market on Artesia Blvd.; mentioned the Planning Commission also liked the idea and formed a subcommittee which will submit the findings to the Council; explained the community is in favor of the idea because it allows families and friends to gather at a time when they can while also picking up fresh products and said where the power line crosses Artesia Blvd is the perfect location for safety and accessibility; noted that the AACAP encourages biking and walking and felt a farmer's market would bring more to the existing businesses and allow for new ones to have a venue to showcase; spoke more about the benefits of the farmer's market and encouraged the Council to push this effort forward for the good of the City.

Niki Negrete-Mitchell, District 3, reported the items she shared with the Metro Planning and Programming Committee meeting last week; reported Hermosa voted 4 to 1 in support of no to Row and yes on Hawthorne Blvd.; reported refinery and pipeline owners raised objections to the proposed project due to concerns of breaching internal safety protocols and severe risk to public safety; noted the FEIR offers no consolation and indicated that they have not worked out pipeline issues yet which poses risks to operations at LAX; felt it is illogical to think a transit agency knows better than the gas

and refinery industry professionals; spoke about other projects where boards are attaching conditions where the State Court of Appeals eventually end up rejecting the FEIRs since they are environmentally non-compliant demonstrating that issues raised by the public are meaningful and validated; felt with the concerns from the gas and refinery industry they should not be able to certify the c-line extension as is; asked that they keep the City's vulnerable senior constituents needs protected and opined the only solution is to route the extension down Hawthorne Blvd. and end at the Galleria.

Steve Hanks, 30 year Redondo Beach resident, stated the dog issues are rampant at the Pier and the environment is not inviting; asked what they can do to combat the dog issue; noted that e-Bike safety is still a problem and also asked if something could be done during the holidays regarding the lights on Artesia.

Laura MacMorran, founder of Citizens for Redondo's Trees, noted that Citizens is a new community initiative to protect, grow, and sustain healthy urban forest in the neighborhoods; stated there are three topic areas they are focused on: community education, policies, and grassroots action to plant trees; spoke about national parks and their overall meaning to our values and what we care about; felt that action is needed in Redondo.

City Clerk Manzano reported no one on Zoom and no eComments for the record.

At 7:04 p.m. some District 4 residents arrived, Councilmember Obagi motioned to reopen Public Comment on Non-Agenda items to allow them to speak; Mayor Pro Tem Behrendt seconded the motion. Motion carried 5-0 by voice vote.

Tom Royds spoke regarding Kingsdale Avenue road work and provided some material for the Council.

Motion by Councilmember Kaluderovic, seconded by Councilmember Obagi to receive and file the material presented.

Motion carried 5-0 by voice vote.

Tom Royds reported he found out that the intent on Kingsdale Ave. is to eliminate five out of nine parking spots and try to align the left hand turn lanes; stated the challenge for that neighborhood is they have no parking already and they have issues with mentally ill individuals on that street because of the environment of the area (ie. Homeless shelters); explained some incidents they have experienced and due to them gates are often needed to secure their own driveways and homes, the driveways are single car spaces and too difficult to exit the cars and taking away street parking poses a big problem; noted the residents received no notice of the changes; speaker ran out of time.

Mayor Pro Tem Behrendt continued the meeting to Item N.1.

## K. EX PARTE COMMUNICATIONS

Councilmember Waller reported speaking to the City Manager.

Councilmember Castle reported speaking with the City Manager.

Mayor Pro Tem Behrendt reported speaking with City staff.

## L. PUBLIC HEARINGS

### L.1. PUBLIC HEARING TO CONSIDER AN ORDINANCE AMENDING TITLES 9 AND 3 OF THE REDONDO BEACH MUNICIPAL CODE, AND ADOPTING TITLE 24, PARTS 1 THROUGH 12, OF THE CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS

**INTRODUCE BY TITLE ONLY ORDINANCE NO. 3307-25, AN ORDINANCE OF THE CITY OF REDONDO BEACH, CALIFORNIA, ADOPTING BY REFERENCE THE 2025 EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE, CALIFORNIA HISTORICAL BUILDING CODE, THE CALIFORNIA REFERENCE STANDARDS CODE, 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2006 UNIFORM SWIMMING POOL, SPA, AND HOT TUB CODE, 1997 UNIFORM HOUSING CODE, AND 1997 UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS TOGETHER WITH CERTAIN DELETIONS, ADDITIONS AND AMENDMENTS TO TITLES 3, 5, AND 9 OF THE REDONDO BEACH MUNICIPAL CODE**

**PROCEDURES:**
**a. Open the public hearing and take testimony;**
**b. Close the public hearing; and**
**c. Introduce Ordinance No. 3307-25 by title only**

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

Motion by Councilmember Obagi, seconded by Mayor Pro Tem Behrendt, to open the public hearing.

Motion carried 5-0 by voice vote.

Building Official Lorena Soules brought forward an ordinance amending Titles 9 and 3 of the Redondo Beach Municipal Code and adopting Title 24, parts 1 through 12, of the California Building Standards Code of Regulations; noted every three years the California Standards Commission (CBSC) adopts updated International Building Code (IBC) with amendments; reported significant changes in the 2025 code cycle include care facilities

in residential dwelling units, additional bicycle parking for multi-family dwellings, heat pump water heaters, updating accessibility codes and seismic provisions; reported no changes to the local code; stated staff's recommendations are to open the public hearing and take testimony, close the public hearing, and introduce the Ordinance 3307-25 by title only.

Councilmember Waller asked when the codes officially apply.

Building Official Soules responded once they are adopted, the 2025 codes will go into effect January 1, 2026.

Councilmember Waller asked if any outreach was done to notify builders.

Building Official Soules stated it happens every three years, so they are used to seeing it.

Division Chief Regan introduced Chief Jason May and Randy Scovill, who handles all fire prevention items, stated along with Lorena Soules they play a big role in this item; stated they meet with other local fire marshals to compare ordinances, fire codes, and make sure they are all fairly consistent across the board.

City Manager Witzansky added there isn't any proposed change to the ordinances' fire codes that the City controls as a municipality; stated charter cities have an opportunity to set their own requirements but what they have in place today is proposed for continuation with no amendments to what the City controls; felt the state's code set is sufficient as it pertains to this item.

City Clerk Manzano reported no eComments and no one on Zoom.

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Obagi, to close the public hearing.

Motion carried 5-0 by voice vote.

Motion by Mayor Pro Tem Behrendt, seconded by Councilmember Obagi, to introduce by title only Ordinance 3307-25.

Motion carried 5-0 by voice vote.

City Clerk Manzano introduced by title only Ordinance 3307-25.

Motion by Councilmember Obagi, seconded by Mayor Pro Tem Behrendt, to reopen Public Comment on Non-Agenda Items because some of his constituents just arrived at 7:04 p.m.

Motion carried 5-0 by voice vote.

## M. ITEMS CONTINUED FROM PREVIOUS AGENDAS

## N. ITEMS FOR DISCUSSION PRIOR TO ACTION

### N.1. DISCUSSION AND POSSIBLE ACTION REGARDING UPDATED DRAFT ORDINANCE LANGUAGE PERTAINING TO SMOKE SHOP REGULATIONS

**PROVIDE DIRECTION ON THE FINAL ORDINANCE LANGUAGE AND SET NOVEMBER 18, 2025 AS THE DATE FOR A PUBLIC HEARING TO CONSIDER INTRODUCTION AND FIRST READING OF THE PROPOSED ORDINANCE**

**CONTACT:** MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

Community Development Director Wiener provided some background on the item; spoke of Council meeting multiple times and providing direction to staff, noted it was also reviewed by the Planning Commission; reported the last time the item was discussed was on August 19, 2025 at the City Council meeting and summarized what Council's direction was at that time and how it is being incorporated including buffer zones, amended definitions to e-cigarette and "youth center", exemptions to Hookah lounges, hours to be determined by the Planning Commission, cap the maximum number of smoke shops at five, and define "ancillary sales"; provided more detail and explanation regarding the smoke shop cap including the issuance and transfer of licenses; provided more explanation and conditions of ancillary sales and how the draft has been modified through their research, clarified procedural requirements, cross referenced other code sections, and added regulations to prevent underage smoking; recommended that Council provide direction on the final ordinance language and schedule November 18, 2025 as the date for a public hearing to consider introduction and first reading of the proposed ordinance.

Mayor Pro Tem Behrendt asked the purpose of cross-referencing other sections of the tobacco retail permit.

Community Development Director Wiener stated with this draft it clearly defines smoke shop retailers need a CUP, a business license, and a tobacco retail permit to operate and it has code references to those sections, so the requirements are clear.

Mayor Pro Tem Behrendt stated a smoke shop could be construed as including cannabis retail under the definition and asked if the City should make it clear, for purposes of this ordinance, that smoke shop does not include a cannabis retailer.

Community Development Director Wiener said he had no issue with making that addition and providing some clarification.

City Manager Witzansky agreed it would be better to make the ordinance language clear that the smoke shop and cannabis ordinances are separate and distinct.

More discussion followed regarding what was being recommended for the language of the ordinances and the distinction between selling cannabis paraphernalia at smoke shops but not cannabis.

City Attorney Ford liked the idea of both entities being subject to both if they are selling both products, and if the City decides to go forward with the permitting process for cannabis dispensaries; opined having more tools for enforcement is always good but did not know if they need to distinguish it and if there are any conflicts between sections of the municipal code or state law; suggested a section be added that says if there is a conflict then the more restrictive ordinance or law would apply.

Mayor Pro Tem Behrendt clarified that option would be to leave them as is, which would be a cannabis retailer would be subject to the smoke shop ordinance and a smoke shop retailer would be subject to the cannabis ordinance and if there is a conflict between those two statutory schemes the more restrictive ordinance would apply; asked if the cannabis permitting process comes into being would that count against the five smoke shops.

More discussion followed regarding distinguishing the two types of retailers, the potential overlap of products being sold at either retailer, the licensing and regulations needed for the shops, and the ability to provide more clarity if needed.

Councilmember Castle mentioned the ordinance for cannabis is very different than the ordinance for smoke shops and that the term for the cannabis license is much longer than the 5-year term for smoke shops so felt cannabis retailers would not want to be perceived as a smoke shop.

Councilmember Waller referred to the age restricted access they had spoken about in prior meetings and asked if anyone had any thoughts on that.

Mayor Pro Tem Behrendt stated it is embedded in the ordinance as written and was comfortable with it.

Councilmember Kaluderovic mentioned each entrance states the age requirement or that an adult must accompany a minor into the shop.

Councilmember Waller asked, regarding the new ancillary sales rule, if there are any retailers in the City that would be affected by this new rule and if so, is there a communication plan needed.

Community Development Director Wiener provided some explanation and detail regarding provisions that allowed for some flexibility for certain types of businesses; mentioned some people have reached out to the City with questions.

Councilmember Waller asked the City Attorney for her opinion on the impacts and risks

of shortening the 5-year term to 3 years or even 18 months.

City Attorney Ford stated law requires businesses to either a just compensation or reasonable amortization period; spoke of the law being very clear and that is why they decided on a 5-year term and that if Council wants to reduce that term, they are risking lawsuits.

Councilmember Kaluderovic thought they had spoken about a 4-year term.

Assistant City Attorney Park recalled they had spoken about reducing the term to 4 years but mentioned it is within Council's discretion what amortization period they want to enact but would want to consider the risks involved as the City Attorney mentioned.

More discussion followed on the reasons for settling on a 5-year term.

Councilmember Kaluderovic asked if the enforcement written into the ordinance happens 30 days after the second reading.

City Attorney Ford explained the businesses will have reasonable time to comply to bring their business to compliance.

City Manager Witzansky clarified that they wouldn't have to get the CUP in that time but they would have to follow the rules and regulations for operation as written in the ordinance; stated if they did not follow the rules and regulations of the ordinance then the City could take action.

Assistant City Attorney Park interjected that the action would be taken upon their tobacco license or business license and explained in more detail what that meant.

More discussion followed on the suspension or revocation of a license and the negative impacts that can have on a business trying to obtain a CUP application.

Councilmember Kaluderovic asked if synthetic flavored tobacco was addressed anywhere in the ordinance.

Discussion followed on the decision to keep the language as flavored tobacco to capture both synthetic and natural flavored products but that they can add "synthetic flavored" into the language to make it more specific.

Assistant City Attorney Park clarified that, with respect to the tobacco retailer, the license cannot be transferred according to the City's provisions in their current code.

Councilmember Kaluderovic asked if someone selling one of the ancillary stores would need a tobacco retail license and that there is no limit on obtaining one in the City.

Community Development Director Wiener stated there is no limit on obtaining one;

explained for the existing legal, non-conforming shops someone could come in and obtain a new business license and tobacco retail permit and they would have within that 5-year period to continue operating and for existing businesses that sell tobacco, there is no limit on tobacco retail permits in the City.

Councilmember Kaluderovic asked about “use space” businesses, such as the lounges, and if they are subject to the ordinance if they are selling product.

Community Development Director Wiener spoke of the draft that was written and that it referred to the labor code definition for smokers lounge and felt it was clear but that they could look at it again and see if it needs more clarification prior to bringing the ordinance; mentioned concerns he has with someone coming in saying they are doing a smoker’s lounge but they are actually opening a smoke shop.

City Manager Witzansky went back to the flavored tobacco concern and stated California has defined flavored tobacco product to include flavor enhancers which are synthetic products but said they will confirm.

Councilmember Kaluderovic mentioned that the goal is to not offer products catered to underaged users.

Mayor Pro Tem Behrendt mentioned speaking to the City Attorney about the revocation provision referring to the conduct of the “smoke shop operator”; questioned the distinction between the “smoke shop operator” and the smoke shop being in violation regardless of if the operator is on-site.

Community Development Director Wiener felt stating just smoke shop broadens it to cover both.

City Manager Witzansky stated they can do more research and if it makes more sense to elaborate on the language they can.

Councilmember Obagi agreed with Councilmember Waller’s point about condition six regarding signage in the shop; felt as written there is no condition that actually speaks to a prohibition on allowing minors to go into the shops and wondered why the City would require signage that says it is prohibited for a minor to enter the smoke shop when there is no recourse for a violation of that condition.

Community Development Director Wiener validated that comment and stated there is no provision that outright prohibits minors from entering the smoke shop.

Councilmember Obagi favored adding in language to have the smoke shops enforce the prohibition.

More discussion ensued.

Assistant City Attorney Park reported, in their tobacco retailer sections, it says retailers shall post a notice at each point of purchase saying that selling tobacco products and devices to anyone under 21 years of age is illegal and subject to penalties.

Councilmember Obagi provided a scenario where kids walk in to purchase snacks and drinks regularly since there is a loophole in the City's ordinance.

Mayor Pro Tem Behrendt recalled there was a law that prevented the City from banning them or else they would.

City Manager Witzansky and Community Development Director Wiener both recalled there were reasons they could not prevent someone from just entering the business and that at the time of purchase would be the first opportunity to verify ID.

More discussion followed on what was discussed in previous meetings and determinations that were made regarding the sale of products to minors, age requirements, and items being purchased.

Community Development Director Wiener recalled the enforceability and the challenges it would present to a shop operator to verify and screen people coming into the shop would pose some problems.

More discussion followed.

City Manager Witzansky stated they will look at it again and if they can be more restrictive, they will be more restrictive in the proposed draft on the 18th.

Mayor Pro Tem Behrendt invited public comments.

Steve Hanks asked if there are reasons why Redondo Beach needs smoke shops or cannabis resellers; mentioned there are signs, policies, and rules but who is going to enforce them; asked what does Redondo Beach want for their community and their City; felt they should bring the number down to zero for smoke shops and not allow cannabis retailers.

Jim Mueller, District 5, opined that the City allowed permits for all types of businesses without exercising any kind of judgement or planning in District 5; reported sending to Council a description of a hookah lounge and how it operates; felt they should be eliminated or at least be restricted to minors especially on Artesia Blvd.

Melissa DeChandt (via Zoom), District 1, had five points to make: 1) felt it is very important to specifically include synthetic tobacco or non-tobacco derived products because it is a regulatory loophole, 2) encouraged Council to look at the elementary and middle school buffer, 3) focus on age restrictions, 4) supported moving the time down to five, and 5) was not allowed due to Melissa DeChandt's time running out.

City Clerk Manzano reported no one else online and no eComments.

More discussion followed regarding how restrictive they can make the ordinance, changes they can make to definitions, and direction for staff.

Assistant City Attorney Park suggested they prohibit the sale of anything other than tobacco and tobacco products so there would be no reason for anyone under the age restriction, unless accompanied by their parents or legal guardian, to be in the shop.

Councilmember Kaluderovic asked if that would be enforceable before the 5-year term is up.

Assistant City Attorney Park said yes, it can be written into the ordinance.

Mayor Pro Tem Behrendt asked if it is legal to prohibit a minor from buying a non-tobacco product at a smoke shop and can they prohibit smoke shops from selling anything other than tobacco products and what enforcement look like.

City Manager Witzansky pointed out they always have the ability to update, modify, and morph the ordinance and suggested they move this item forward; noted staff will make it as restrictive and legally defensible as possible and introduce a draft to Council on the 18th.

Councilmember Waller mentioned allowing smoke shops to sell liquor which prompted a discussion regarding the type of permit or license that business has and the City Manager stated they could speak off-line about it more.

Motion by Councilmember Obagi, seconded by Councilmember Waller, to move forward with introduction and first reading of a final ordinance that conforms with what staff has provided as well as what was discussed that evening.

Motion carried 5-0 by voice vote.

## O. CITY MANAGER ITEMS

City Manager Witzansky reminded Council there would be no meeting next Tuesday, but they have a ribbon cutting next Thursday at the north branch library for the City's Open Access Plus Program; noted the next Council meeting would be on November 4th, no meeting on November 11th; stated items for discussion on November 4th will be boat launch ramp, conceptual location approval for the City's grant application purpose, discussion about a potential LCP amendment regarding the City's Marina parking restrictions in the Waterfront, and a Consent Calendar item associated with the Avenue H street closure

## P. MAYOR AND COUNCIL ITEMS - None

## Q. MAYOR AND COUNCIL REFERRALS TO STAFF

Motion by Councilmember Waller to update City code to allow short-term rentals for hosts outside the coastal zone with specific limitations.

City Manager Witzansky recommended Council have a generic discussion and allow staff to research the subject and bring it back in four to six months; mentioned legal research would be needed and they can agendize an item when appropriate.

Councilmember Obagi offered a friendly amendment to Councilmember Waller's referral, to have a discussion, if allowed by the City Attorney, on whether they can collect TOT from violators of the City's short-term rental laws.

Councilmember Waller was agreeable to the friendly amendment.

Mayor Pro Tem Behrendt seconded the friendly motion.

Motion carried 5-0 by voice vote.

Councilmember Obagi asked the City Manager if he could provide data on enforcement action against private home rentals versus hosted home rentals.

Councilmember Kaluderovic wanted to make sure the maintenance standards for Artesia were still in development; City Manager Witzansky stated Community Development Director Wiener is working on it.

## R. RECESS TO CLOSED SESSION - None

**R.1. CONFERENCE WITH REAL PROPERTY NEGOTIATOR - The Closed Session is authorized by the Government Code Section 54956.8.**

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Greg Kapovich, Waterfront & Economic Development Director**
**Larry Kosmont, Kosmont Companies**

**PROPERTY: 123 International Boardwalk, Redondo Beach, CA 90277**
**(a portion of APN: 7505-002-908)**

**NEGOTIATING PARTIES:**
**Various Tenants**

**UNDER NEGOTIATION:**
**Lease Status, Price, and Terms**

**R.2. CONFERENCE WITH LEGAL COUNSEL AND LABOR NEGOTIATOR - The**

**Closed Session is authorized by the Government Code Sec. 54957.6.**

**AGENCY NEGOTIATOR:**
**Mike Witzansky, City Manager**
**Diane Strickfaden, Director of Human Resources**

**EMPLOYEE ORGANIZATIONS:**
**Redondo Beach Police Officers' Association, Redondo Beach Police Management Unit; and Redondo Beach Firefighters' Association**

**R.3. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED POTENTIAL LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(4).**

**One potential case**

**R.4. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case: New Commune DTLA, LLC and Leonid Pustilnikov v. City of Redondo Beach and City Council of the City of Redondo Beach**
**Case Number: B336042**

**R.5. CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION - The Closed Session is authorized by the attorney-client privilege, Government Code Section 54956.9(d)(1).**

**Name of case: New Commune DTLA, LLC v. City of Redondo Beach; City Council of the City of Redondo Beach; City of Redondo Beach Department of Community Development, et al. S.**
**Case Number: B337897**

**S. RECONVENE TO OPEN SESSION - None**

**T. ADJOURNMENT – 8:12 P.M.**

Motion by Councilmember Waller, seconded by Mayor Pro Tem Behrendt, to adjourn the meeting at 8:12 p.m.

Motion carried 5-0 by voice vote.

The next meeting of the City Council of the City of Redondo Beach will be an Adjourned Regular meeting to be held at 4:30 p.m. (Closed Session) and a Regular meeting to be held at 6:00 p.m. (Open Session) on Tuesday, November 4, 2025, in the Redondo Beach City Hall Council Chamber, 415 Diamond Street, Redondo Beach, California.

Respectfully submitted:

Eleanor Manzano, CMC
City Clerk

# Administrative Report

H.4., **File #** 25-1294 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: STEPHANIE MEYER, FINANCE DIRECTOR

## TITLE

PAYROLL DEMANDS
CHECKS 30432-30448 IN THE AMOUNT OF $20,852.07, PD. 10/24/25
DIRECT DEPOSIT 302348-302969 IN THE AMOUNT OF $2,372,565.42, PD. 10/24/25
EFT/ACH $9,598.53, PD. 10/10/25 (PP2521)
EFT/ACH $473,281.31, PD. 11/3/25 (PP2521)

ACCOUNTS PAYABLE DEMANDS
CHECKS 122155-122347 IN THE AMOUNT OF $3,963,756.08
EFT CALPERS MEDICAL INSURANCE $524,939.20
DIRECT DEPOSIT 100009889-100009977 IN THE AMOUNT OF $100,338.39, PD.10/31/25
REPLACEMENT DEMANDS 122152-122154

## EXECUTIVE SUMMARY

Approval of Payroll and Accounts Payable

## ATTACHMENTS

- 11042025_RECOMMENDATION_TO_APPROVE
- 11042025_VENDOR_INVOICE_LIST

**RECOMMENDATION TO APPROVE**
**PAYROLL AND ACCOUNTS PAYABLE**
**COUNCIL MEETING NOVEMBER 4, 2025**

**a. Payroll Demands**

- **Checks 30432-30448, $20,852.07, Pd.10/24/25**
- **Direct Deposit 302348-302969, $2,372,565.42, Pd.10/24/25**
- **EFT/ACH $9,598.53, Pd. 10/10/25 (PP2521)**
- **EFT/ACH $473,281.31, Pd. 11/3/25 (PP2521)**

**b. Accounts Payable Demands**

- **Checks 122155-122347, $3,963,756.08**
- **EFT CalPERS Medical Insurance $524,939.20**
- **Direct Deposit 100009889-100009977, $100,338.39, Pd. 10/31/25**

**Replacement Demands**

| | | |
|---|---|---|
| **122152** | **Robert McKeegan**<br>**(Replaced ck #111986-Stale)** | **$7,462.00** |
| **122153** | **Richards, Watson & Gershon**<br>**(Replaced ck #120078-Never rec'd)** | **$19,282.33** |
| **122154** | **Tina Williams**<br>**(Replaced ck #120365-Never rec'd)** | **$490.00** |

**I hereby approve and authorize for payment the above demands.**

***Mike Witzansky***
***City Manager***

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 45 ACCO ENGINEERED SYSTEMS INC | | | | | | | | | | |
| 20689268 | | 05/14/2025 | 10329487 | 11042025 | 122155 | 2,560.00 | 06/14/2025 | INV | PD | VET'S PARK COMMUNITY CENT |
| 20702480 | | 06/19/2025 | 10329466 | 11042025 | 122155 | 1,073.50 | 10/23/2025 | INV | PD | FCU #2 FAN AND WATER LEAK |
| 20748929 | | 10/15/2025 | 10329591 | 11042025 | 122155 | 1,780.00 | 11/15/2025 | INV | PD | REPAIR WATER LEAK FIRE ST |
| | | | | | | 5,413.50 | | | | |
| 5820 ADMINSURE | | | | | | | | | | |
| 18316 | | 10/15/2025 | 10329197 | 11042025 | 122156 | 12,200.00 | 11/04/2025 | INV | PD | GL & WC NOVEMBER 2025 |
| 12200 AGA ENGINEERS, INC. | | | | | | | | | | |
| 25232-IN | 6263 | 06/30/2025 | 10329326 | 11042025 | 122157 | 2,396.00 | 10/21/2025 | INV | PD | TASK ORDER #5 - ARTESIA I |
| 8759 ALAN'S LAWNMOWER & GARDEN CENTER | | | | | | | | | | |
| 102429 | | 10/13/2025 | 10329262 | 11042025 | 122158 | 247.30 | 11/01/2025 | INV | PD | LANDSCAPE PARTS FOR PARKS |
| 107190 | | 10/20/2025 | 10329577 | 11042025 | 122158 | 45.72 | 11/01/2025 | INV | PD | LAWN MOWER REPAIRS 10/20/ |
| | | | | | | 293.02 | | | | |
| 12747 ALL CITY MANAGEMENT SERVICES INC | | | | | | | | | | |
| 104041 | 7113 | 10/15/2025 | 10329490 | 11042025 | 122159 | 6,163.03 | 10/27/2025 | INV | PD | 09/28/2025-10/11/2025 CRO |
| 11750 ALLIED UNIVERSAL SECURITY SERVICES | | | | | | | | | | |
| 181822 | | 10/26/2025 | 10329649 | 11042025 | 122160 | 1,328.75 | 10/26/2025 | INV | PD | USHER SERVICES FOR RMDLA |
| 181823 | | 10/26/2025 | 10329650 | 11042025 | 122160 | 1,906.31 | 10/26/2025 | INV | PD | USHER SERVICES FOR REM 10 |
| | | | | | | 3,235.06 | | | | |
| 144 AMERICAN CITY PEST CONTROL INC. | | | | | | | | | | |
| 857948 | | 08/26/2025 | 10329350 | 11042025 | 122161 | 225.00 | 10/27/2025 | INV | PD | AVIATION GYM QUARTERLY PE |
| 868377 | | 10/24/2025 | 10329633 | 11042025 | 122161 | 112.50 | 10/27/2025 | INV | PD | Oct 2025 Services America |
| | | | | | | 337.50 | | | | |
| 213 AQUA-FLO | | | | | | | | | | |
| SI2630620 | | 10/09/2025 | 10329578 | 11042025 | 122162 | 626.49 | 11/09/2025 | INV | PD | IRRIGATION SUPPLIES 10/9/ |
| 8029 ATHENS SERVICES | | | | | | | | | | |
| 20264507 | 7078 | 10/01/2025 | 10329555 | 11042025 | 122163 | 462,633.40 | 10/15/2025 | INV | PD | TRASH SERVICE-RESIDENTIAL |
| 10701 AXON ENTERPRISE, INC. | | | | | | | | | | |
| INUS387010 | 7111 | 10/15/2025 | 10329483 | 11042025 | 122164 | 189,110.42 | 11/15/2025 | INV | PD | BODY-WORN CAMERAS YEAR 1 |
| 291 BAKER & TAYLOR | | | | | | | | | | |
| 2039285039 | | 10/06/2025 | 10329139 | 11042025 | 122165 | 23.73 | 11/05/2025 | INV | PD | BOOK |
| 2039289883 | | 10/06/2025 | 10329138 | 11042025 | 122165 | 89.27 | 11/05/2025 | INV | PD | BOOKS |

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 113.00 | | | | |
| 15277 BEACHLIFE FESTIVAL LLC | | | | | | | | | | |
| 2026-251 | 7136 | 10/15/2025 | 10329084 | 11042025 | 122166 | 40,000.00 | 10/15/2025 | INV | PD | CONSULTANT SVCS TO PROVID |
| 10436 BIBLIOTHECA, LLC | | | | | | | | | | |
| INV-US82860 | | 09/30/2025 | 10329131 | 11042025 | 122167 | 9,555.40 | 10/30/2025 | INV | PD | OPEN ACCESS |
| 11059 BLACKSTONE PUBLISHING | | | | | | | | | | |
| 2213187 | | 10/06/2025 | 10329133 | 11042025 | 122168 | 29.14 | 11/05/2025 | INV | PD | AUDIOVISUAL |
| 2213352 | | 10/07/2025 | 10329132 | 11042025 | 122168 | 35.00 | 11/06/2025 | INV | PD | AUDIOVISUAL |
| | | | | | | 64.14 | | | | |
| 3121 BLUE DIAMOND | | | | | | | | | | |
| 4366341 | | 10/20/2025 | 10329534 | 11042025 | 122169 | 1,979.32 | 11/19/2025 | INV | PD | SHEET ASPHALT, AC FINE |
| 6470 BORAS, PATRICIA | | | | | | | | | | |
| ESRIEXPENSE | | 10/22/2025 | 10329376 | 11042025 | 122170 | 679.10 | 10/22/2025 | INV | PD | PER DIEM ESRI CONFERENCE |
| 14340 BOWMAN INFRASTRUCTURE ENGINEERS LTD | | | | | | | | | | |
| 522658 | 7089 | 09/30/2025 | 10329124 | 11042025 | 122171 | 14,625.00 | 10/15/2025 | INV | PD | PLAN CHECKAND CONSULTING |
| 14053 BRUNNER, HOPE | | | | | | | | | | |
| 188978 | | 10/21/2025 | 10329343 | 11042025 | 122172 | 200.00 | 10/21/2025 | INV | PD | REFUND 188978 WP RETURN D |
| 12253 CALIFORNIA HEALTH & SAFETY INC. | | | | | | | | | | |
| 25-456CALB | | 10/09/2025 | 10329348 | 11042025 | 122173 | 247.66 | 11/09/2025 | INV | PD | LEATHER GLOVES FOR PIER |
| 577 CALIFORNIA WATER SERVICE | | | | | | | | | | |
| 012563738-100825 | | 10/08/2025 | 10329388 | 11042025 | 122174 | 1,119.92 | 10/27/2025 | INV | PD | FISHERMANS WHARF 9/9 - 10 |
| 2211933964-100825 | | 10/08/2025 | 10329386 | 11042025 | 122174 | 6,967.65 | 10/27/2025 | INV | PD | HARB, R LAGN PORTFNO, TOR |
| 6428284669-92925 | | 09/29/2025 | 10329236 | 11042025 | 122174 | 25,690.49 | 10/20/2025 | INV | PD | TORRANCE BLVD, FORD AVE, |
| 6682231418-092425 | | 09/24/2025 | 10329317 | 11042025 | 122174 | 207.37 | 10/13/2025 | INV | PD | 1505 FLAGLER 8/19 - 9/23/ |
| 9779295077-92625 | | 09/26/2025 | 10329237 | 11042025 | 122174 | 49,202.63 | 10/15/2025 | INV | PD | TORRANCE BLVD, HARBOR DR, |
| | | | | | | 83,188.06 | | | | |
| 12923 CAM PROPERTY SERVICES | | | | | | | | | | |
| 122477 | 7101 | 10/24/2025 | 10329636 | 11042025 | 122175 | 26,930.28 | 10/27/2025 | INV | PD | Oct 2025 CAM Property Ser |
| 12246 CANINE DEPLOYMENT STRATEGIES | | | | | | | | | | |
| 258 | 7023 | 10/14/2025 | 10329485 | 11042025 | 122176 | 2,133.32 | 11/13/2025 | INV | PD | 09/2025 K9 TRAINING |
| 594 CANON FINANCIAL SERVICES, INC. | | | | | | | | | | |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 40640515 | 6849 | 10/21/2025 | 10329298 | 11042025 | 122177 | 4,369.99 | 10/21/2025 | INV | PD | Year 2 of 5 Canon Lease M |
| 41973107 | 6849 | 10/21/2025 | 10329272 | 11042025 | 122177 | 4,369.99 | 10/21/2025 | INV | PD | Year 2 of 5 Canon Lease M |
| | | | | | | 8,739.98 | | | | |
| 15028 CANON USA INC | | | | | | | | | | |
| 6012046341 | 6916 | 10/06/2025 | 10328510 | 11042025 | 122178 | 332.64 | 10/06/2025 | INV | PD | PER PAGE COPY CHARGES FOR |
| 6013473303 | 6916 | 10/21/2025 | 10329303 | 11042025 | 122178 | 8,348.61 | 10/21/2025 | INV | PD | PER PAGE COPY CHARGES FOR |
| | | | | | | 8,681.25 | | | | |
| 12788 CASERMA, MADICYN | | | | | | | | | | |
| 09281003 | | 10/22/2025 | 10329374 | 11042025 | 122179 | 473.00 | 10/22/2025 | INV | PD | PER DIEM RECORDS SUPERVIS |
| RECSUPMILEAGE | | 10/22/2025 | 10329375 | 11042025 | 122179 | 177.80 | 10/22/2025 | INV | PD | MILEAGE RECORDS SUPERVISO |
| | | | | | | 650.80 | | | | |
| 621 CASNER, CRAIG | | | | | | | | | | |
| 202500025 | | 10/22/2025 | 10329413 | 11042025 | 122180 | 325.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE PERMIT |
| 15020 CENGAGE LEARNING INC | | | | | | | | | | |
| 999101577907 | | 10/09/2025 | 10329129 | 11042025 | 122181 | 221.34 | 11/08/2025 | INV | PD | BOOKS |
| 999101602926 | | 10/15/2025 | 10329404 | 11042025 | 122181 | 130.01 | 11/14/2025 | INV | PD | BOOKS |
| 999101602927 | | 10/15/2025 | 10329402 | 11042025 | 122181 | 195.84 | 11/14/2025 | INV | PD | BOOKS |
| | | | | | | 547.19 | | | | |
| 660 CHARLES ABBOTT ASSOCIATES INC | | | | | | | | | | |
| 69530 | 7108 | 10/15/2025 | 10329244 | 11042025 | 122182 | 6,721.25 | 10/27/2025 | INV | PD | NPDES PROFESSIONAL SERVIC |
| 14723 CHOI, HOWARD | | | | | | | | | | |
| 188977 | | 10/21/2025 | 10329342 | 11042025 | 122183 | 200.00 | 10/21/2025 | INV | PD | REFUND 188977 WP RETURN D |
| 7415 CHRISTENSEN, BARRY | | | | | | | | | | |
| BOATSLIPS2025 | | 10/14/2025 | 10329037 | 11042025 | 122184 | 61.28 | 10/14/2025 | INV | PD | BOATSLIPS2025 DMV REG PIN |
| 705 CITY OF REDONDO BEACH | | | | | | | | | | |
| 10/20/2025 | | 09/30/2025 | 10329271 | 11042025 | 122185 | 133,769.60 | 11/04/2025 | INV | PD | WC 09/02/2025 - 09/30/202 |
| 10152025 | | 10/20/2025 | 10329199 | 11042025 | 122186 | 336.76 | 10/20/2025 | INV | PD | PETTY CASH |
| | | | | | | 134,106.36 | | | | |
| 14427 CLIFTONLARSONALLEN LLP | | | | | | | | | | |
| L251632462 | 7118 | 10/14/2025 | 10329210 | 11042025 | 122187 | 13,650.00 | 10/20/2025 | INV | PD | FY 24-25 AUDIT SERVICES |
| 14711 COAST CONSTRUCTION GROUP | | | | | | | | | | |
| 1608 | 6666 | 10/15/2025 | 10329156 | 11042025 | 122188 | 8,500.00 | 10/27/2025 | INV | PD | SEABASS GROW-OUT PEN |
| 11907 COBRA-ADVANTAGE ADMINISTRATORS | | | | | | | | | | |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 189081 | | 09/30/2025 | 10329083 | 11042025 | 122189 | 465.80 | 10/27/2025 | INV | PD | BENEFITS - PARICIPANT FEE |
| 5136 COLLISION AND INJURY DYNAMICS, INC. | | | | | | | | | | |
| 143191 | | 09/15/2025 | 10329358 | 11042025 | 122190 | 2,264.00 | 10/15/2025 | INV | PD | 8/25 J. Koyanagi Expense |
| 12261 COMMERCIAL BUILDING MANAGEMENT SERVICES | | | | | | | | | | |
| 70904 | 7099 | 10/01/2025 | 10329558 | 11042025 | 122191 | 15,970.00 | 11/01/2025 | INV | PD | SEPTEMBER 2025 MAINTENANC |
| 15374 CONNOY, AILEEN | | | | | | | | | | |
| 188974 | | 10/21/2025 | 10329339 | 11042025 | 122192 | 200.00 | 10/21/2025 | INV | PD | REFUND 188974 AV RETURN D |
| 3648 COUNTY OF L.A. DEPT. OF PUBLIC WORKS | | | | | | | | | | |
| 25100601938 | | 10/06/2025 | 10329443 | 11042025 | 122193 | 836.17 | 10/27/2025 | INV | PD | CSR#2713138/FY26/INGLWOOD |
| 25100602187 | | 10/06/2025 | 10329300 | 11042025 | 122193 | 6,525.85 | 11/06/2025 | INV | PD | SHARE OF TRAFFIC SIGNAL M |
| | | | | | | 7,362.02 | | | | |
| 14767 CR ASSOCIATES | | | | | | | | | | |
| 0012554 | 6720 | 10/15/2025 | 10329194 | 11042025 | 122194 | 19,715.02 | 10/27/2025 | INV | PD | DESIGN FOR NRB BIKE PATH |
| 8511 CROWELL & MORING, LLP. | | | | | | | | | | |
| 012531271 | | 07/31/2025 | 10329494 | 11042025 | 122195 | 8,860.43 | 10/27/2025 | INV | PD | 6/25 9300 Wilshire Bankru |
| 012531272 | | 07/31/2025 | 10329550 | 11042025 | 122195 | 211,568.16 | 10/27/2025 | INV | PD | 6/25 9300 Wilshire Invers |
| 012540342 | | 09/30/2025 | 10329495 | 11042025 | 122195 | 1,360.00 | 10/15/2025 | INV | PD | 8/25 9300 Wilshire Bankru |
| 012540343 | | 09/30/2025 | 10329625 | 11042025 | 122195 | 312,982.09 | 10/15/2025 | INV | PD | 8/25 9300 Wilshire Invers |
| | | | | | | 534,770.68 | | | | |
| 15133 DALY, DEVIN | | | | | | | | | | |
| 137086 | | 10/01/2025 | 10329096 | 11042025 | 122196 | 5,000.00 | 10/15/2025 | INV | PD | TCO DEPOSIT REFUND |
| 919 DANIELS TIRE SERVICE | | | | | | | | | | |
| 200551989 | | 10/07/2025 | 10329224 | 11042025 | 122197 | 150.54 | 11/10/2025 | INV | PD | UNIT 806 PIER SWEEPER TIR |
| 15029 DAS, SAGAR | | | | | | | | | | |
| 508AvenueD-Refund | | 10/24/2025 | 10329533 | 11042025 | 122198 | 3,000.00 | 10/24/2025 | INV | PD | DEMO Refund for 508 Avenu |
| 956 DELTA DENTAL | | | | | | | | | | |
| BE006778796 | | 10/16/2025 | 10329583 | 11042025 | 122199 | 33,505.66 | 11/04/2025 | INV | PD | DENTAL PPO ACTIVE, RETIRE |
| 9132 DELTA DENTAL INSURANCE COMPANY | | | | | | | | | | |
| BE006777977 | | 10/16/2025 | 10329324 | 11042025 | 122200 | 1,823.52 | 11/04/2025 | INV | PD | DENTAL HMO ACTIVE NOVEMBE |
| BE006777999 | | 10/16/2025 | 10329579 | 11042025 | 122201 | 71.28 | 11/04/2025 | INV | PD | DENTAL HMO RETIREE NOVEMB |
| | | | | | | 1,894.80 | | | | |
| 971 DEPARTMENT OF JUSTICE | | | | | | | | | | |

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 848401 | | 10/06/2025 | 10329357 | 11042025 | 122202 | 245.00 | 10/22/2025 | INV | PD | 09/2025 FINGERPRINT APPS |
| 976 DEPARTMENT OF TRANSPORTATION | | | | | | | | | | |
| SL260053 | | 10/20/2025 | 10329560 | 11042025 | 122203 | 7,473.32 | 11/20/2025 | INV | PD | SIGNAL AND LIGHTING MAINT |
| 11884 DIAMOND ENVIRONMENTAL SERVICES LP | | | | | | | | | | |
| 0006525654 | | 10/13/2025 | 10329351 | 11042025 | 122204 | 330.35 | 11/12/2025 | INV | PD | SANI UNI PORTOFINO WAY 10 |
| 0006537121 | | 10/20/2025 | 10329264 | 11042025 | 122204 | 715.10 | 10/27/2025 | INV | PD | Pallet Shelter Power Pole |
| | | | | | | 1,045.45 | | | | |
| 10499 DISABILITY ACCESS CONSULTANTS, LLC | | | | | | | | | | |
| 25-300 | 6702 | 10/15/2025 | 10329125 | 11042025 | 122205 | 2,350.00 | 10/27/2025 | INV | PD | COMPLIANCE WITH AMERICANS |
| 13555 DORI YAMAMOTO | | | | | | | | | | |
| 187857 | | 10/15/2025 | 10329115 | 11042025 | 122206 | 650.00 | 10/15/2025 | INV | PD | REFUND 187857 AV RETURN D |
| 14885 DOSSETT, KIRSTEN | | | | | | | | | | |
| 102125 | | 10/23/2025 | 10329436 | 11042025 | 122207 | 81.93 | 10/27/2025 | INV | PD | REIMBURSEMENT ADMIN SUPPL |
| 10748 DOUG & SONS PEST CONTROL | | | | | | | | | | |
| 49469 | | 09/03/2025 | 10329460 | 11042025 | 122208 | 200.00 | 10/03/2025 | INV | PD | MONTHLY PEST/BAIT MAIN LI |
| 49506 | | 09/10/2025 | 10329552 | 11042025 | 122208 | 75.00 | 10/10/2025 | INV | PD | MONTHLY PEST/BAIT FIRE ST |
| 49662 | | 09/10/2025 | 10329538 | 11042025 | 122208 | 75.00 | 10/10/2025 | INV | PD | FS#1 MONTHLY BAIT STATION |
| 49663 | | 09/10/2025 | 10329539 | 11042025 | 122208 | 55.00 | 10/10/2025 | INV | PD | MONTHLY PEST CONTROL NORT |
| 49755 | | 09/15/2025 | 10329541 | 11042025 | 122208 | 82.00 | 10/15/2025 | INV | PD | MONTHLY PEST/BAIT STATION |
| 49815 | | 09/03/2025 | 10329462 | 11042025 | 122208 | 82.00 | 10/03/2025 | INV | PD | MONTHLY PEST/BAIT STATION |
| 49898 | | 09/15/2025 | 10329543 | 11042025 | 122208 | 105.00 | 10/15/2025 | INV | PD | MONTHLY PEST/BAIT OLD LIB |
| | | | | | | 674.00 | | | | |
| 15373 DUNN, CLARE | | | | | | | | | | |
| 188979 | | 10/21/2025 | 10329338 | 11042025 | 122209 | 200.00 | 10/21/2025 | INV | PD | REFUND 188979 AV RETURN D |
| 1048 E & S PRIME BUILDERS | | | | | | | | | | |
| 1626GoodmanRefund | | 10/24/2025 | 10329532 | 11042025 | 122210 | 3,000.00 | 10/24/2025 | INV | PD | DEMO Refund for 1626 Good |
| 1055 EASY READER | | | | | | | | | | |
| RD25-060 | 7031 | 10/09/2025 | 10329610 | 11042025 | 122211 | 202.50 | 10/27/2025 | INV | PD | LEGAL ADS PUBLISHING |
| RD25-067 | 7031 | 10/16/2025 | 10329611 | 11042025 | 122211 | 225.00 | 10/27/2025 | INV | PD | LEGAL ADS PUBLISHING |
| | | | | | | 427.50 | | | | |
| 1057 EBSCO SUBSCRIPTION SERVICES | | | | | | | | | | |
| 2600557 | | 10/13/2025 | 10329130 | 11042025 | 122212 | 33.00 | 11/12/2025 | INV | PD | PERIODICALS |
| 15372 ELMINOUFI, RAMI | | | | | | | | | | |

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 202500004 | | 10/20/2025 | 10329270 | 11042025 | 122213 | 325.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE PERMIT |
| 14994 EQUIFAX WORKFORCE SOLUTIONS | | | | | | | | | | |
| 2067868728 | | 09/30/2025 | 10329268 | 11042025 | 122214 | 875.00 | 11/04/2025 | INV | PD | UNEMPLOYMENT CLAIMS MANAG |
| 15382 ESSON, GENEVIEVE | | | | | | | | | | |
| GE101725 | | 10/27/2025 | 10329659 | 11042025 | 122215 | 500.00 | 10/27/2025 | INV | PD | ARTIST FEE: GENEVIEVE ESS |
| 9987 EXCELSIOR ELEVATOR | | | | | | | | | | |
| 37691 | 6361 | 06/24/2025 | 10329588 | 11042025 | 122216 | 270.00 | 07/24/2025 | INV | PD | TROUBLECALL 6/11/25 RB PI |
| 37701 | 6361 | 10/22/2025 | 10329643 | 11042025 | 122216 | 302.73 | 11/22/2025 | INV | PD | REPLACED PIER BUTTON 6/11 |
| | | | | | | 572.73 | | | | |
| 1176 FEDERAL EXPRESS CORPORATION | | | | | | | | | | |
| 8-981-11434 | | 10/21/2025 | 10329305 | 11042025 | 122217 | 17.74 | 10/21/2025 | INV | PD | SAME DAY PICK UP MF 0827 |
| 9-032-59458 | | 10/17/2025 | 10329491 | 11042025 | 122218 | 18.14 | 12/01/2025 | INV | PD | OVERNIGHT SERVICES 10/07/ |
| 9-033-35246 | | 10/17/2025 | 10329323 | 11042025 | 122217 | 40.76 | 10/27/2025 | INV | PD | SENDER: DIDAR KHANDKER. R |
| | | | | | | 76.64 | | | | |
| 10825 FRANCO AUTO UPHOLSTERY | | | | | | | | | | |
| 17608 | | 10/07/2025 | 10329252 | 11042025 | 122219 | 150.00 | 11/07/2025 | INV | PD | UNIT 647 REPAIR ONE BUCKE |
| 17619 | | 10/13/2025 | 10329598 | 11042025 | 122219 | 10.45 | 11/13/2025 | INV | PD | UNIT 664-22 REPAIR ONE SE |
| | | | | | | 160.45 | | | | |
| 10191 FRONTIER | | | | | | | | | | |
| 2091885137-1360693 | | 10/21/2025 | 10329310 | 11042025 | 122220 | 13,600.93 | 10/21/2025 | INV | PD | 2091885137-6430 |
| 3103744140-19027 | | 10/21/2025 | 10329302 | 11042025 | 122220 | 93.03 | 10/21/2025 | INV | PD | 3103744140-8595 |
| 310798296110012025 | | 10/01/2025 | 10329492 | 11042025 | 122220 | 2.98 | 10/27/2025 | INV | PD | CHARGES 310-798-2961-1209 |
| | | | | | | 13,696.94 | | | | |
| 4171 GARCIA, SALVADOR | | | | | | | | | | |
| SLIOCTGARCIA | | 10/22/2025 | 10329362 | 11042025 | 122221 | 215.00 | 10/22/2025 | INV | PD | PER DIEM SLI SEMINAR 10/1 |
| 1300 GAS COMPANY, THE | | | | | | | | | | |
| 06964443334-10325 | | 10/03/2025 | 10329235 | 11042025 | 122222 | 3,870.00 | 10/23/2025 | INV | PD | 301 ESPLANADE, 3007 VAIL |
| 16503508778-100725 | | 10/07/2025 | 10329606 | 11042025 | 122222 | 12,062.66 | 10/29/2025 | INV | PD | CNG FUEL 9/1-10/1/25 |
| SoCalGas9.10-10.9.25 | | 10/24/2025 | 10329627 | 11042025 | 122222 | 15.09 | 10/27/2025 | INV | PD | SoCalGas 9.10-10.9.25 |
| | | | | | | 15,947.75 | | | | |
| 3706 GOLDEN STATE WATER | | | | | | | | | | |
| 48470300004-100925 | | 10/09/2025 | 10329226 | 11042025 | 122223 | 747.48 | 10/30/2025 | INV | PD | INGLEWOOD PKW SE/LAWNDALE |
| 54719000009-100325 | | 10/03/2025 | 10329227 | 11042025 | 122223 | 238.57 | 10/24/2025 | INV | PD | REDONDO BB AND ARTESIA 9/ |
| 77298524149-100825 | | 10/08/2025 | 10329223 | 11042025 | 122223 | 462.33 | 10/29/2025 | INV | PD | 16214 INGLEWOOD AVE IRR 9 |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 1,448.38 | | | | |
| 14905 GREAT WESTERN RECREATION LLC | | | | | | | | | | |
| 114006-02-1 | 6968 | 09/10/2025 | 10329390 | 11042025 | 122224 | 6,837.30 | 10/22/2025 | INV | PD | PURCHASE SLIDE MATERIAL/I |
| 1416 HAAKER EQUIPMENT COMPANY | | | | | | | | | | |
| INV16915 | 7041 | 09/17/2025 | 10329602 | 11042025 | 122225 | 86,867.93 | 10/17/2025 | INV | PD | PURCHASE ONE (1) NAUTILUS |
| 11305 HARBOR INTERFAITH SERVICES | | | | | | | | | | |
| April - June 2025 | | 09/16/2025 | 10329354 | 11042025 | 122226 | 17,280.36 | 10/27/2025 | INV | PD | RB Outreach Navigator Ser |
| July - August 2025 | | 09/16/2025 | 10329356 | 11042025 | 122226 | 11,582.67 | 10/15/2025 | INV | PD | RB Outreach Navigator Ser |
| | | | | | | 28,863.03 | | | | |
| 15369 HARMON, MADELEINE | | | | | | | | | | |
| 10152025 | | 06/28/2025 | 10329136 | 11042025 | 122227 | 28.99 | 10/26/2025 | INV | PD | PATRON REFUND |
| 6750 HF & H CONSULTANTS, LLC | | | | | | | | | | |
| 9722578 | 6633 | 10/13/2025 | 10329382 | 11042025 | 122228 | 9,065.25 | 11/13/2025 | INV | PD | CONSULTING FOR CITY'S SOL |
| 15283 HONORES, PATRICIA | | | | | | | | | | |
| 10152025 | | 08/27/2025 | 10329134 | 11042025 | 122229 | 17.74 | 10/26/2025 | INV | PD | PATRON REFUND |
| 13403 ICMA MEMBERSHIP RENEWALS | | | | | | | | | | |
| 10162025 | | 10/20/2025 | 10329255 | 11042025 | 122230 | 1,200.00 | 10/20/2025 | INV | PD | MWITZANSKY MEMBERSHIP DUE |
| 8433 INGRAM LIBRARY SERVICES | | | | | | | | | | |
| 91303937 | | 10/17/2025 | 10329401 | 11042025 | 122231 | 255.86 | 11/16/2025 | INV | PD | BOOKS |
| 1619 INTERSTATE BATTERIES OF CALIF COAST, INC | | | | | | | | | | |
| 130115315 | | 10/07/2025 | 10329254 | 11042025 | 122232 | 280.86 | 11/07/2025 | INV | PD | STOCK BATTERIES - MTP65HD |
| 15386 JENNINGS, JOANNE | | | | | | | | | | |
| 212525-2026 | | 10/20/2025 | 10329759 | 11042025 | 122233 | 103.00 | 10/20/2025 | INV | PD | BUSINESS LIC REFUND-DUPLI |
| 1695 JUST REWARDS | | | | | | | | | | |
| 2510.021 | | 10/24/2025 | 10329628 | 11042025 | 122234 | 1,168.50 | 10/27/2025 | INV | PD | Rideshare Reward redempti |
| 13483 KAPILA, SUNALI | | | | | | | | | | |
| 09070919 | | 10/22/2025 | 10329360 | 11042025 | 122235 | 1,150.00 | 10/22/2025 | INV | PD | PER DIEM DISPATCH SUPERVI |
| 15200 KASA CONSTRUCTION INC | | | | | | | | | | |
| 3 | 7066 | 10/15/2025 | 10329355 | 11042025 | 122236 | 434,527.09 | 10/27/2025 | INV | PD | NRB BIKEPATH EXTENSION FE |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 1742 KEYSER MARSTON ASSOCIATES INC | | | | | | | | | | |
| 40102 | 5219 | 10/16/2025 | 10329146 | 11042025 | 122237 | 3,480.00 | 10/16/2025 | INV | PD | AFFORDABLE HOUSING CONSUL |
| 4943 KIMBALL MIDWEST | | | | | | | | | | |
| 103839216 | | 10/14/2025 | 10329626 | 11042025 | 122238 | 849.62 | 11/13/2025 | INV | PD | SHOP MSC HARDWARE |
| 103843800 | | 10/15/2025 | 10329213 | 11042025 | 122238 | 223.89 | 11/14/2025 | INV | PD | SANDING DISC FOR SHOP USE |
| | | | | | | 1,073.51 | | | | |
| 14134 KIS | | | | | | | | | | |
| 85272 | 7024 | 10/21/2025 | 10329284 | 11042025 | 122239 | 1,187.69 | 10/21/2025 | INV | PD | REMOTE MANAGEMENT SERVICE |
| 5855 KOSMONT COMPANIES | | | | | | | | | | |
| 2208.12-027 | 6586 | 09/30/2025 | 10329155 | 11042025 | 122240 | 2,043.60 | 10/27/2025 | INV | PD | KOSMONT REAL ESTATE SERVI |
| 1807 L.N. CURTIS & SONS, INC. | | | | | | | | | | |
| INV998631 | | 10/10/2025 | 10329447 | 11042025 | 122241 | 179.45 | 11/09/2025 | INV | PD | SMALL TOOLS |
| INV999360 | | 10/14/2025 | 10329449 | 11042025 | 122241 | 671.01 | 11/13/2025 | INV | PD | SMALL TOOLS |
| | | | | | | 850.46 | | | | |
| 9936 LARRY WALKER ASSOCIATES | | | | | | | | | | |
| 00531.05-11 | 6637 | 10/15/2025 | 10329469 | 11042025 | 122242 | 6,955.40 | 10/27/2025 | INV | PD | NPDES SERVICES |
| 14934 LAU, MELINDA | | | | | | | | | | |
| 2025-163-CC | | 10/13/2025 | 10329593 | 11042025 | 122243 | 1,275.00 | 10/27/2025 | INV | PD | MEETING MINUTES FOR CC - |
| 2025-164-CFA | | 10/13/2025 | 10329592 | 11042025 | 122243 | 85.00 | 10/27/2025 | INV | PD | MEETING MINUTES FOR CFA - |
| 2025-165-PAC | | 10/08/2025 | 10329549 | 11042025 | 122243 | 765.00 | 10/27/2025 | INV | PD | MEETING MINUTES FOR PUBLI |
| 2025-166-BF | | 10/21/2025 | 10329547 | 11042025 | 122243 | 510.00 | 10/27/2025 | INV | PD | MEETING MINUTES FOR BUDGE |
| | | | | | | 2,635.00 | | | | |
| 11194 LEECH TISHMAN FUSCALDO & LAMPL INC. | | | | | | | | | | |
| 363112 | | 10/07/2025 | 10329288 | 11042025 | 122244 | 1,210.00 | 10/15/2025 | INV | PD | 9/25 General Legal Fees |
| 363113 | | 10/07/2025 | 10329287 | 11042025 | 122244 | 325.00 | 10/15/2025 | INV | PD | 9/25 J. Pailet (EEOC) Leg |
| 363114 | | 10/07/2025 | 10329290 | 11042025 | 122244 | 22,767.45 | 10/15/2025 | INV | PD | 9/25 D. Glenn Legal Fees |
| 363115 | | 10/07/2025 | 10329292 | 11042025 | 122244 | 7,406.00 | 10/15/2025 | INV | PD | 9/25 K. Deckers Legal Fee |
| 363116 | | 10/07/2025 | 10329294 | 11042025 | 122244 | 1,013.35 | 10/15/2025 | INV | PD | 9/25 C. Garcia Legal Fees |
| | | | | | | 32,721.80 | | | | |
| 8780 LEUTZ, STEVEN | | | | | | | | | | |
| E-8117 | | 10/06/2025 | 10329191 | 11042025 | 122245 | 295.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE E-8117 |
| E2024-2174 | | 10/06/2025 | 10329192 | 11042025 | 122245 | 888.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE E2024- |
| | | | | | | 1,183.00 | | | | |
| 1884 LIEBERT CASSIDY WHITMORE | | | | | | | | | | |
| 306527 | | 09/30/2025 | 10329574 | 11042025 | 122247 | 4,329.00 | 11/04/2025 | INV | PD | POA NEGOTIATIONS 2025 |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 306528 | | 09/30/2025 | 10329571 | 11042025 | 122246 | 3,476.00 | 11/04/2025 | INV | PD | CALPERS AUDIT |
| 306529 | | 09/30/2025 | 10329576 | 11042025 | 122248 | 12,054.00 | 11/04/2025 | INV | PD | MGMT TOTAL COMPENSATION S |
| | | | | | | 19,859.00 | | | | |
| 1887 LIFE ASSIST, INC. | | | | | | | | | | |
| 1647555 | | 10/15/2025 | 10329453 | 11042025 | 122249 | 1,848.47 | 10/23/2025 | INV | PD | PARAMEDIC SUPPLIES |
| 12775 LINDE GAS & EQUIPMENT INC | | | | | | | | | | |
| 52721774 | | 10/22/2025 | 10329457 | 11042025 | 122250 | 411.86 | 11/21/2025 | INV | PD | SCBA CYLINDER RENTAL |
| 52744157 | | 10/22/2025 | 10329456 | 11042025 | 122250 | 777.27 | 11/21/2025 | INV | PD | SCBA CYLINDER RENTAL |
| | | | | | | 1,189.13 | | | | |
| 14511 LOFTY GOALS | | | | | | | | | | |
| 017 | 6540 | 10/22/2025 | 10329480 | 11042025 | 122251 | 1,250.00 | 10/27/2025 | INV | PD | 10/2025 WELLNESS CLASSES |
| 1925 LONG BEACH IRON WORKS INC | | | | | | | | | | |
| 0091875-IN | 6964 | 10/15/2025 | 10329193 | 11042025 | 122252 | 27,154.38 | 10/27/2025 | INV | PD | MANHOLE COVERS FOR RESI R |
| 0091952-IN | 6964 | 10/15/2025 | 10329582 | 11042025 | 122252 | 21,812.81 | 10/27/2025 | INV | PD | MANHOLE COVERS FOR RESI R |
| | | | | | | 48,967.19 | | | | |
| 1951 LOS ANGELES COUNTY SHERIFF'S DEPT | | | | | | | | | | |
| 260475HN | | 09/21/2025 | 10329286 | 11042025 | 122253 | 769.74 | 10/27/2025 | INV | PD | 8/25 Homeless Court Servi |
| 15367 LUCKEY, SONNACA | | | | | | | | | | |
| 10012025 | | 10/15/2025 | 10329082 | 11042025 | 122254 | 133.04 | 10/15/2025 | INV | PD | SONNACA LUCKEY |
| 10274 MACKAY METERS, INC. | | | | | | | | | | |
| 1070559 | | 09/30/2025 | 10329152 | 11042025 | 122255 | 134.00 | 10/27/2025 | INV | PD | SEPTEMBER METERS |
| 14777 MADE BY MEG | | | | | | | | | | |
| 8213203 | | 10/15/2025 | 10329117 | 11042025 | 122256 | 329.25 | 10/15/2025 | INV | PD | 8213203 SEPT 4 2025 SENI |
| 8213204 | | 10/15/2025 | 10329118 | 11042025 | 122256 | 329.25 | 10/15/2025 | INV | PD | 8213204 SEPT 11, 2025 SEN |
| 8213205 | | 10/15/2025 | 10329119 | 11042025 | 122256 | 329.25 | 10/15/2025 | INV | PD | 8213205 SEPT 18 2025 SENI |
| 8213206 | | 10/15/2025 | 10329120 | 11042025 | 122256 | 329.25 | 10/15/2025 | INV | PD | 8213206 SEPT252025 SENIOR |
| | | | | | | 1,317.00 | | | | |
| 15364 MANCE, PAUL | | | | | | | | | | |
| 2025-0043 | | 10/01/2025 | 10329108 | 11042025 | 122257 | 980.59 | 10/15/2025 | INV | PD | REFUND FOR A WITHDRAWN PE |
| 7847 MANNING & KASS, ELLROD, RAMIREZ, TRESTER LLP | | | | | | | | | | |
| 839995 | | 08/08/2025 | 10329509 | 11042025 | 122258 | 1,622.50 | 10/15/2025 | INV | PD | 7/25 Estate of Jose Sosa |
| 842199 | | 09/09/2025 | 10329510 | 11042025 | 122258 | 7,053.00 | 10/15/2025 | INV | PD | 8/25 Estate of Jose Sosa |
| | | | | | | 8,675.50 | | | | |
| 14839 MARINE MAMMAL CARE CENTER | | | | | | | | | | |

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| RB-1004 | 6792 | 10/15/2025 | 10329195 | 11042025 | 122259 | 15,000.00 | 10/27/2025 | INV | PD | MARINE MAMMAL RESCUE/RECO |
| 2049 MARTIN, SCOTT | | | | | | | | | | |
| 09150917MILEAGE | | 10/22/2025 | 10329370 | 11042025 | 122260 | 133.56 | 10/22/2025 | INV | PD | MILEAGE IA SEMINAR POST R |
| 09150917PERDIEM | | 10/22/2025 | 10329369 | 11042025 | 122260 | 69.00 | 10/22/2025 | INV | PD | PER DIEM IA SEMINAR 9/15/ |
| | | | | | | 202.56 | | | | |
| 6102 MASON GENERAL CONTRACTORS | | | | | | | | | | |
| 202500046 | | 10/13/2025 | 10329128 | 11042025 | 122261 | 325.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE PERMIT |
| 2080 MC KEEGAN, ROBERT | | | | | | | | | | |
| 2025FALL | | 10/23/2025 | 10329441 | 11042025 | 122262 | 6,960.80 | 10/23/2025 | INV | PD | 2025FALL TENNIS YOUTH /AD |
| 14163 MEEDER PUBLIC FUNDS INC | | | | | | | | | | |
| REDONDO51 | | 09/30/2025 | 10329077 | 11042025 | 122263 | 4,500.00 | 11/05/2025 | INV | PD | ADVISORY SERVICES |
| 11171 MEHTA MECHANICAL COMPANY, INC. | | | | | | | | | | |
| MMC-020A | 6048 | 10/13/2025 | 10329026 | 11042025 | 122264 | 18,623.82 | 10/13/2025 | INV | PD | PORTOFINO WAY & YACHT CLU |
| MMC-020A.1 | 6671 | 10/13/2025 | 10329030 | 11042025 | 122264 | 156,955.46 | 10/13/2025 | INV | PD | PORTOFINO&YACHT CLUB WAY |
| | | | | | | 175,579.28 | | | | |
| 4105 MESKARAN, INC | | | | | | | | | | |
| 2500642 | | 10/14/2025 | 10329196 | 11042025 | 122265 | 325.00 | 10/27/2025 | INV | PD | REFUND DEPOSIT FEE PERMIT |
| 7177 MICHEL & ASSOCIATES, P.C. | | | | | | | | | | |
| 13983TS | | 08/29/2025 | 10329514 | 11042025 | 122266 | 531.00 | 10/15/2025 | INV | PD | 7/25 Law Offices of C. Co |
| 13984TS | | 08/29/2025 | 10329515 | 11042025 | 122266 | 354.00 | 10/15/2025 | INV | PD | 7/25 D. Barker Legal Fees |
| 13985TS | | 08/29/2025 | 10329516 | 11042025 | 122266 | 549.50 | 10/15/2025 | INV | PD | 7/25 S. Belavsky Legal Fe |
| 13986TS | | 08/29/2025 | 10329512 | 11042025 | 122266 | 295.00 | 10/15/2025 | INV | PD | 7/25 C. Blakely Legal Fee |
| 13987TS/8714QB | | 08/29/2025 | 10329513 | 11042025 | 122266 | 8,546.47 | 10/15/2025 | INV | PD | 7/25 G. Cooke Legal Fees |
| 13988TS/8716QB | | 08/29/2025 | 10329517 | 11042025 | 122266 | 657.89 | 10/15/2025 | INV | PD | 7/25 P. MacDonald Legal F |
| 13989TS | | 08/29/2025 | 10329518 | 11042025 | 122266 | 2,569.00 | 10/15/2025 | INV | PD | 7/25 P. Mack Legal Fees |
| 13990TS/8713QB | | 08/29/2025 | 10329519 | 11042025 | 122266 | 18,476.75 | 10/15/2025 | INV | PD | 7/25 D. Mendoza-Conner Le |
| 13991TS | | 08/29/2025 | 10329520 | 11042025 | 122266 | 2,849.00 | 10/15/2025 | INV | PD | 7/25 M. St. Laurent Legal |
| 13992TS | | 08/29/2025 | 10329521 | 11042025 | 122266 | 354.00 | 10/15/2025 | INV | PD | 7/25 M. Venegas Legal Fee |
| 13995TS | | 09/02/2025 | 10329522 | 11042025 | 122266 | 265.50 | 10/15/2025 | INV | PD | 7/25 J. Gornbein Legal Fe |
| 13996TS | | 09/02/2025 | 10329523 | 11042025 | 122266 | 118.00 | 10/15/2025 | INV | PD | 7/25 D. Laughton Legal Fe |
| 13997TS/8715QB | | 09/02/2025 | 10329524 | 11042025 | 122266 | 377.80 | 10/15/2025 | INV | PD | 7/25 R. Rivas Legal Fees |
| 13998TS/8712QB | | 09/02/2025 | 10329525 | 11042025 | 122266 | 5,755.98 | 10/15/2025 | INV | PD | 7/25 Stuver Insurance Leg |
| 14035TS | | 09/25/2025 | 10329313 | 11042025 | 122266 | 1,420.50 | 10/15/2025 | INV | PD | 8/25 S. Belavsky Legal Fe |
| 14036TS | | 09/25/2025 | 10329316 | 11042025 | 122266 | 1,596.00 | 10/15/2025 | INV | PD | 8/25 C. Blakely Legal Fee |
| 14038TS | | 09/25/2025 | 10329321 | 11042025 | 122266 | 59.00 | 10/15/2025 | INV | PD | 8/25 W. Corteza Legal Fee |
| 14040TS | | 09/25/2025 | 10329322 | 11042025 | 122266 | 5,843.50 | 10/15/2025 | INV | PD | 8/25 P. MacDonald Legal F |
| 14041TS | | 09/25/2025 | 10329328 | 11042025 | 122266 | 1,436.50 | 10/15/2025 | INV | PD | 8/25 P. Mack Legal Fees |
| 14042TS/8717QB | | 09/25/2025 | 10329329 | 11042025 | 122266 | 1,590.75 | 10/15/2025 | INV | PD | 8/25 A. Mendoza Legal Fee |
| 14044TS | | 09/25/2025 | 10329330 | 11042025 | 122266 | 236.50 | 10/15/2025 | INV | PD | 8/25 R. Rivas Legal Fees |
| 14045TS | | 09/25/2025 | 10329331 | 11042025 | 122266 | 590.00 | 10/15/2025 | INV | PD | 8/25 M. St. Laurent Legal |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
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| 14046TS | | 09/25/2025 | 10329332 | 11042025 | 122266 | 446.50 | 10/15/2025 | INV | PD | 8/25 M. Venegas Legal Fee |
| | | | | | | 54,919.14 | | | | |
| 9518 MIND BODY OCEAN | | | | | | | | | | |
| DFFALL2025 | | 10/23/2025 | 10329442 | 11042025 | 122267 | 1,417.50 | 10/23/2025 | INV | PD | DFFALL2025 2APG 0507 |
| 13349 MINUTEMAN PRESS REDONDO BEACH | | | | | | | | | | |
| 34711 | 6217 | 10/21/2025 | 10329280 | 11042025 | 122268 | 109.20 | 10/21/2025 | INV | PD | Minuteman Press Printing |
| 34713 | 6217 | 10/21/2025 | 10329281 | 11042025 | 122268 | 93.29 | 10/21/2025 | INV | PD | Minuteman Press Printing |
| 34714 | 6217 | 10/21/2025 | 10329279 | 11042025 | 122268 | 120.18 | 10/21/2025 | INV | PD | Minuteman Press Printing |
| 34718 | | 10/14/2025 | 10329076 | 11042025 | 122268 | 687.85 | 10/14/2025 | INV | PD | ECONOTEBOOKS |
| 34745 | 6217 | 10/21/2025 | 10329283 | 11042025 | 122268 | 301.81 | 10/21/2025 | INV | PD | Minuteman Press Printing |
| 34746 | | 10/20/2025 | 10329253 | 11042025 | 122268 | 382.20 | 10/27/2025 | INV | PD | GRANT/BLOSSOM MAILER. JOB |
| 34756 | | 10/22/2025 | 10329409 | 11042025 | 122268 | 783.49 | 10/27/2025 | INV | PD | RUHS/DIAMOND MAILER FOR T |
| | | | | | | 2,478.02 | | | | |
| 6080 MOFFATT & NICHOL | | | | | | | | | | |
| 801912 | 6622 | 08/20/2025 | 10329075 | 11042025 | 122269 | 6,431.21 | 10/20/2025 | INV | PD | Moffatt & Nichol Public B |
| 14196 NAPA AUTO PARTS | | | | | | | | | | |
| 063248 | | 10/07/2025 | 10329238 | 11042025 | 122270 | 201.98 | 11/07/2025 | INV | PD | UNIT 620-17 SHOCKS |
| 063748 | | 10/14/2025 | 10329231 | 11042025 | 122270 | 178.53 | 11/14/2025 | INV | PD | UNIT 101-09 BRAKE PAD AND |
| 063804 | | 10/15/2025 | 10329230 | 11042025 | 122270 | 155.56 | 11/15/2025 | INV | PD | UNIT 685-15 TRUCK SHOCK |
| 064124 | | 10/20/2025 | 10329337 | 11042025 | 122270 | 273.76 | 11/19/2025 | INV | PD | UNIT 673-11 ENGINE COOLIN |
| | | | | | | 809.83 | | | | |
| 15383 ARMELLE'S ATELIER | | | | | | | | | | |
| AN101725 | | 10/27/2025 | 10329661 | 11042025 | 122271 | 500.00 | 10/27/2025 | INV | PD | ARTIST FEE: ARMELLE NGO - |
| 4796 OCCU-MED,LTD. | | | | | | | | | | |
| 1025900.3 | | 09/30/2025 | 10329267 | 11042025 | 122272 | 3,679.56 | 11/04/2025 | INV | PD | PHYSICALS 5 PT EE AND 3 F |
| 13029 ODP BUSINESS SOLUTIONS, LLC | | | | | | | | | | |
| 423917344001 | | 05/14/2025 | 10329420 | 11042025 | 122273 | 453.93 | 11/04/2025 | INV | PD | COPY PAPER - CASERMA |
| 424780871001 | | 06/27/2025 | 10329421 | 11042025 | 122273 | 278.50 | 11/04/2025 | INV | PD | OFFICE SUPPLIES-CASERMA |
| 426879047001 | | 07/02/2025 | 10329422 | 11042025 | 122273 | 453.93 | 08/01/2025 | INV | PD | COPY PAPER-CASERMA |
| 429177386001 | | 07/11/2025 | 10329423 | 11042025 | 122273 | 422.90 | 08/15/2025 | INV | PD | OFFICE SUPPLIES - CASMERA |
| 429200259001 | | 07/11/2025 | 10329424 | 11042025 | 122273 | 56.18 | 08/15/2025 | INV | PD | FIRST AID SUPPLIES-CASERM |
| 434311757001 | | 08/05/2025 | 10329425 | 11042025 | 122273 | 125.21 | 09/05/2025 | INV | PD | OFFICE SUPPLIES-CASERMA |
| 434311841001 | | 08/05/2025 | 10329426 | 11042025 | 122273 | 453.93 | 09/05/2025 | INV | PD | COPY PAPER-CASERMA |
| 435886697001 | | 09/30/2025 | 10329622 | 11042025 | 122273 | 49.46 | 10/27/2025 | INV | PD | OFFICE SUPPLIES |
| 437693102001 | | 10/03/2025 | 10329619 | 11042025 | 122273 | 25.79 | 10/27/2025 | INV | PD | OFFICE SUPPLIES |
| 437693126001 | | 10/05/2025 | 10329620 | 11042025 | 122273 | 37.32 | 10/27/2025 | INV | PD | OFFICE SUPPLIES |
| 440416985001 | | 09/25/2025 | 10329201 | 11042025 | 122273 | 55.21 | 10/20/2025 | INV | PD | STAPLE REMOVER, CORRECTIO |
| 440417346001 | | 09/25/2025 | 10329202 | 11042025 | 122273 | 8.91 | 10/20/2025 | INV | PD | STAPLES |
| 440934527001 | | 09/25/2025 | 10329206 | 11042025 | 122273 | 139.49 | 10/20/2025 | INV | PD | DESK LAMP |
| 4409353880001 | | 09/25/2025 | 10329205 | 11042025 | 122273 | 30.98 | 10/20/2025 | INV | PD | FOOTREST |
| 440935389001 | | 09/25/2025 | 10329203 | 11042025 | 122273 | 82.96 | 10/20/2025 | INV | PD | LUMBAR SUPPORT PILLOW |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
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| 441100721001 | | 09/26/2025 | 10329312 | 11042025 | 122273 | 18.28 | 10/26/2025 | INV | PD | PLATES- GENERAL ADMIN SUP |
| 441101916001 | | 09/29/2025 | 10329309 | 11042025 | 122273 | 10.87 | 10/29/2025 | INV | PD | SMALL BINDER CLIPS- GENER |
| 441101921001 | | 09/29/2025 | 10329314 | 11042025 | 122273 | 29.16 | 10/29/2025 | INV | PD | JUMBO PAPER CLIPS, PENS - |
| 441101923001 | | 09/29/2025 | 10329319 | 11042025 | 122273 | 14.26 | 10/29/2025 | INV | PD | PENS - GENERAL ADMIN SUPP |
| 442061002001 | | 10/24/2025 | 10329561 | 11042025 | 122273 | 119.97 | 10/24/2025 | INV | PD | PAPER OFFICE SUPPLIES |
| 442072540001 | | 10/16/2025 | 10329145 | 11042025 | 122273 | 87.43 | 10/16/2025 | INV | PD | OFFICE SUPPLIES |
| 442884757001 | | 10/10/2025 | 10329536 | 11042025 | 122273 | 36.21 | 11/14/2025 | INV | PD | OFFICE SUPPLIES |
| 442896662001 | | 10/10/2025 | 10329537 | 11042025 | 122273 | 79.09 | 11/14/2025 | INV | PD | OFFICE SUPPLIES |
| 443150087001 | | 10/02/2025 | 10329247 | 11042025 | 122273 | 41.69 | 10/27/2025 | INV | PD | OFFICE AND COFFEE SUPPLIE |
| 443150304001 | | 10/02/2025 | 10329245 | 11042025 | 122273 | 208.34 | 10/27/2025 | INV | PD | OFFICE AND COFFEE SUPPLIE |
| 443235969001 | | 10/03/2025 | 10329617 | 11042025 | 122273 | 68.03 | 10/27/2025 | INV | PD | OFFICE SUPPLIES |
| 443241644001 | | 10/20/2025 | 10329250 | 11042025 | 122273 | 40.08 | 10/20/2025 | INV | PD | OFFICE SUPPLIES |
| 443241728001 | | 10/20/2025 | 10329249 | 11042025 | 122273 | 9.87 | 10/20/2025 | INV | PD | OFFICE SUPPLIES |
| 443864089001 | | 10/08/2025 | 10329604 | 11042025 | 122273 | 8.44 | 11/04/2025 | INV | PD | OFFICE SUPPLIES 10/08/202 |
| 443864208001 | | 10/07/2025 | 10329266 | 11042025 | 122273 | 25.67 | 11/04/2025 | INV | PD | OFFICE SUPPLIES 10/07/202 |
| 443864211001 | | 10/08/2025 | 10329612 | 11042025 | 122273 | 28.89 | 11/04/2025 | INV | PD | OFFICE SUPPLIES 10/08/202 |
| 444687179001 | | 10/24/2025 | 10329629 | 11042025 | 122273 | 28.29 | 10/27/2025 | INV | PD | pens and air freshener |
| | | | | | | 3,529.27 | | | | |
| 11967 PACIFIC PRODUCTS & SERVICES, LLC | | | | | | | | | | |
| 36963 | | 10/10/2025 | 10329407 | 11042025 | 122274 | 4,527.19 | 11/09/2025 | INV | PD | BLANK SIGNS FOR SIGN SHOP |
| 36964 | | 10/10/2025 | 10329411 | 11042025 | 122274 | 4,785.10 | 11/09/2025 | INV | PD | BLANK SIGNS FOR SIGN SHOP |
| 36965 | | 10/10/2025 | 10329410 | 11042025 | 122274 | 4,763.15 | 11/09/2025 | INV | PD | BLANK SIGNS FOR SIGN SHOP |
| | | | | | | 14,075.44 | | | | |
| 12012 PAPE MATERIAL HANDLING, INC. | | | | | | | | | | |
| 368714S | 7043 | 10/16/2025 | 10329609 | 11042025 | 122275 | 19,045.91 | 11/16/2025 | INV | PD | UNIT 864-25 FIVE (5) TAYL |
| 368715S | 7043 | 10/16/2025 | 10329613 | 11042025 | 122275 | 19,045.91 | 11/16/2025 | INV | PD | 863-25 FIVE (5) TAYLOR DU |
| 368716 S | 7043 | 10/16/2025 | 10329640 | 11042025 | 122275 | 19,045.91 | 10/27/2025 | INV | PD | PURCHASE FIVE (5) TAYLOR |
| 368717S | 7043 | 10/16/2025 | 10329608 | 11042025 | 122275 | 19,045.91 | 11/16/2025 | INV | PD | UNIT 899-25 FIVE (5) TAYL |
| 368718S | 7043 | 10/16/2025 | 10329616 | 11042025 | 122275 | 19,045.91 | 11/16/2025 | INV | PD | UNIT 861-25 FIVE (5) TAYL |
| | | | | | | 95,229.55 | | | | |
| 13211 PIRSAHELI, BIJAN | | | | | | | | | | |
| 09140926PERDIEM | | 10/22/2025 | 10329371 | 11042025 | 122276 | 860.00 | 10/22/2025 | INV | PD | PER DIEM TRAFFIC COLLISON |
| TRAFCOLMIL | | 10/22/2025 | 10329372 | 11042025 | 122276 | 268.52 | 10/22/2025 | INV | PD | MILEAGE TRAFFIC COLLISION |
| | | | | | | 1,128.52 | | | | |
| 2487 PLUMBER'S DEPOT | | | | | | | | | | |
| PD-59870 | | 10/21/2025 | 10329347 | 11042025 | 122277 | 1,428.71 | 11/19/2025 | INV | PD | GAPVAX TRUCK PARTS |
| 11747 PORTOFINO HOTEL & MARINA | | | | | | | | | | |
| 10152025 | | 10/15/2025 | 10329455 | 11042025 | 122278 | 1,053.60 | 10/23/2025 | INV | PD | BOAT FUEL |
| 10152025_POLICE | | 10/15/2023 | 10329488 | 11042025 | 122278 | 153.01 | 11/15/2025 | INV | PD | 09/2025 MEU BOAT FUEL |
| | | | | | | 1,206.61 | | | | |
| 2548 PRUDENTIAL OVERALL SUPPLY | | | | | | | | | | |
| 43067915 | | 10/21/2025 | 10329459 | 11042025 | 122279 | 29.45 | 10/23/2025 | INV | PD | STATION 3 SHOP RAGS/MATS |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 15353 PUBLIC RESOURCES ADVISORY GROUP, INC. | | | | | | | | | | |
| 12292-Aug2025 | | 09/30/2025 | 10329209 | 11042025 | 122280 | 888.75 | 10/20/2025 | INV | PD | AUG 1-31, 2025 |
| 2561 PVP COMMUNICATIONS | | | | | | | | | | |
| 137251 | | 10/17/2025 | 10329486 | 11042025 | 122281 | 3,165.19 | 11/17/2025 | INV | PD | HELMET KIT AND INSTALL OF |
| 12665 QUALITY REFRIGERATION COMPANY INC | | | | | | | | | | |
| 0111371-IN | | 09/30/2025 | 10329573 | 11042025 | 122282 | 1,195.00 | 10/30/2025 | INV | PD | INSPECTED AC#1 - RBPAC 9/ |
| 5029 QUEST TAEKWONDO | | | | | | | | | | |
| 04-2025 | | 10/23/2025 | 10329444 | 11042025 | 122283 | 262.50 | 10/23/2025 | INV | PD | 04-2025 FALL2025 QUEST 2Y |
| 2573 QUICK CRETE PRODUCTS CORP. | | | | | | | | | | |
| 134107 | | 10/24/2025 | 10329638 | 11042025 | 122284 | 557.27 | 10/24/2025 | INV | PD | QCP-DONATION TREE FOR Neh |
| 15365 RAMIREZ, ALMA | | | | | | | | | | |
| 21/216 JUANITA | | 10/07/2025 | 10329668 | 11042025 | 122285 | 971.52 | 10/15/2025 | INV | PD | REFUND OF 11 WITHDRAWN PE |
| 15381 RAYNER, RICHARD W | | | | | | | | | | |
| RR101725 | | 10/27/2025 | 10329657 | 11042025 | 122286 | 500.00 | 10/27/2025 | INV | PD | ARTIST FEE: RICHARD RAYNE |
| 12696 REACHING EDUCATIONAL MILESTONES | | | | | | | | | | |
| 10212025 | | 10/26/2025 | 10329648 | 11042025 | 122287 | 418.69 | 10/26/2025 | INV | PD | PART. REFUND - REACHING E |
| 11255 RED SECURITY GROUP, LLC | | | | | | | | | | |
| 105768 | | 10/24/2025 | 10329635 | 11042025 | 122288 | 787.87 | 10/27/2025 | INV | PD | SERVICE CALL 10.8.25 |
| 105853 | | 10/14/2025 | 10329556 | 11042025 | 122288 | 283.17 | 10/27/2025 | INV | PD | ELECTION VAULT REPAIR |
| | | | | | | 1,071.04 | | | | |
| 2618 RED WING SHOE STORES | | | | | | | | | | |
| 011ST1-1645738 | | 10/10/2025 | 10329166 | 11042025 | 122289 | 257.70 | 11/09/2025 | INV | PD | OMAR MARTINEZ WORK BOOTS |
| 011ST1-1672654 | | 10/10/2025 | 10329172 | 11042025 | 122289 | 257.70 | 11/09/2025 | INV | PD | JUAN MENDEZ WORK BOOTS FY |
| 011ST1-1744869 | | 10/10/2025 | 10329171 | 11042025 | 122289 | 350.00 | 11/09/2025 | INV | PD | JOSUE MELENDREZ WORK BOOT |
| 011ST1-1926837 | | 10/10/2025 | 10329169 | 11042025 | 122289 | 193.49 | 11/09/2025 | INV | PD | JERRY GALBEZ WORK BOOTS F |
| 011ST1-1929848 | | 10/10/2025 | 10329167 | 11042025 | 122289 | 350.00 | 11/09/2025 | INV | PD | LEONDRE BROWN WORK BOOTS |
| 011ST1-1992297 | | 10/10/2025 | 10329174 | 11042025 | 122289 | 350.00 | 11/09/2025 | INV | PD | NILTON CRUZ WORK BOOTS FY |
| | | | | | | 1,758.89 | | | | |
| 15069 REDWOOD PUBLIC LAW LLP | | | | | | | | | | |
| 16945 | | 08/31/2025 | 10329345 | 11042025 | 122290 | 18,348.00 | 10/15/2025 | INV | PD | 8/25 Real Estate Transact |
| 12812 REESE, ROLANDA G | | | | | | | | | | |
| 9272025 | | 10/26/2025 | 10329647 | 11042025 | 122291 | 423.86 | 10/26/2025 | INV | PD | PARTIAL REFUND - ROLANDA |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 15368 REILLY, BARBARA | | | | | | | | | | |
| 10152025 | | 07/07/2025 | 10329135 | 11042025 | 122292 | 42.00 | 10/26/2025 | INV | PD | PATRON REFUND |
| 2685 RICHARDS, WATSON & GERSHON | | | | | | | | | | |
| 252758C | | 04/29/2025 | 10329448 | 11042025 | 122293 | 17,240.00 | 10/27/2025 | INV | PD | 3/25 Mehta Mechanical Com |
| 252760 | | 04/29/2025 | 10329450 | 11042025 | 122293 | 590.00 | 10/27/2025 | INV | PD | 3/25 New Commune DTLA (2) |
| 253002 | | 05/19/2025 | 10329143 | 11042025 | 122293 | 3,304.00 | 10/27/2025 | INV | PD | R6900-1055 EMINENT DOMAIN |
| 253558 | | 06/20/2025 | 10329214 | 11042025 | 122293 | 472.00 | 10/27/2025 | INV | PD | 5/25 New Commune DTLA Leg |
| 253582A | | 06/20/2025 | 10329216 | 11042025 | 122293 | 4,220.27 | 10/27/2025 | INV | PD | 5/25 Mehta Mechanical Com |
| 253583 | | 06/18/2025 | 10329215 | 11042025 | 122293 | 10,393.73 | 10/27/2025 | INV | PD | 5/25 G. Labono Legal Fees |
| 254407 | | 08/19/2025 | 10329529 | 11042025 | 122293 | 826.00 | 10/15/2025 | INV | PD | 7/25 J. Bell Legal Fees |
| 254416 | | 08/13/2025 | 10329104 | 11042025 | 122293 | 11,227.45 | 10/15/2025 | INV | PD | 7/25 Mehta Mechanical Com |
| 255052 | | 10/01/2025 | 10329222 | 11042025 | 122293 | 22,372.50 | 10/15/2025 | INV | PD | 8/25 New Commune DTLA Leg |
| 255053 | | 09/23/2025 | 10329100 | 11042025 | 122293 | 501.50 | 10/15/2025 | INV | PD | 8/25 New Commune DTLA (2) |
| 255054 | | 09/23/2025 | 10329101 | 11042025 | 122293 | 727.69 | 10/15/2025 | INV | PD | 8/25 9300 Wilshire Legal |
| 255055 | | 09/23/2025 | 10329102 | 11042025 | 122293 | 80.69 | 10/15/2025 | INV | PD | 8/25 Yes in my Backyard L |
| 255056 | | 09/23/2025 | 10329103 | 11042025 | 122293 | 6,500.76 | 10/15/2025 | INV | PD | 8/25 G. Labono Legal Fees |
| 255057 | | 09/23/2025 | 10329105 | 11042025 | 122293 | 3,522.00 | 10/15/2025 | INV | PD | 8/25 Mehta Mechanical Com |
| | | | | | | 81,978.59 | | | | |
| 2696 RIO HONDO COMMUNITY COLLEGE | | | | | | | | | | |
| F25-112-ZRDB | | 10/14/2025 | 10329359 | 11042025 | 122294 | 178.00 | 10/22/2025 | INV | PD | FTO COURSE LITCHMAN AND F |
| 14102 ROBERT HALF | | | | | | | | | | |
| 65479230 | 7093 | 10/07/2025 | 10329093 | 11042025 | 122295 | 1,290.00 | 10/15/2025 | INV | PD | ROBERT HALF INC Contracto |
| 65489289 | 6812 | 10/13/2025 | 10329599 | 11042025 | 122295 | 1,447.20 | 10/27/2025 | INV | PD | TEMPORARY STAFFING SERVIC |
| 65507487 | 7093 | 10/15/2025 | 10329418 | 11042025 | 122295 | 1,290.00 | 10/27/2025 | INV | PD | ROBERT HALF INC Contracto |
| 65513225 | 6812 | 10/20/2025 | 10329601 | 11042025 | 122295 | 1,641.60 | 10/27/2025 | INV | PD | TEMPORARY STAFFING SERVIC |
| 65526230 | 7093 | 10/21/2025 | 10329419 | 11042025 | 122295 | 1,290.00 | 10/27/2025 | INV | PD | ROBERT HALF INC Contracto |
| | | | | | | 6,958.80 | | | | |
| 6661 ROBERTSON'S | | | | | | | | | | |
| 734779 | | 10/08/2025 | 10329274 | 11042025 | 122296 | 993.56 | 11/08/2025 | INV | PD | CONCRETE FOR S GUADALUPE |
| 737287 | | 10/13/2025 | 10329293 | 11042025 | 122296 | 950.76 | 11/13/2025 | INV | PD | CONCRETE FOR 517 S GUADAL |
| 737559 | | 10/15/2025 | 10329296 | 11042025 | 122296 | 1,007.84 | 11/15/2025 | INV | PD | CONCRETE FOR 517 S GUADAL |
| 740556 | | 10/20/2025 | 10329624 | 11042025 | 122296 | 888.76 | 11/19/2025 | INV | PD | CONCRETE FOR 603 SUSANNA |
| | | | | | | 3,840.92 | | | | |
| 14800 SAFETYCENTRIC INC | | | | | | | | | | |
| INV26503 | 7075 | 10/24/2025 | 10329587 | 11042025 | 122297 | 700.00 | 10/24/2025 | INV | PD | CONTRACTOR FOR FIBER OPTI |
| 3855 SAMURAI ACTION STUDIO | | | | | | | | | | |
| FALL2025 | | 10/21/2025 | 10329333 | 11042025 | 122298 | 1,879.50 | 10/21/2025 | INV | PD | FALL2025 SAMURAI GYMNASTI |
| 15017 SOUTH BAY INDIAN AMERICAN ASSOCIATION | | | | | | | | | | |
| 188980 | | 10/21/2025 | 10329335 | 11042025 | 122299 | 600.00 | 10/21/2025 | INV | PD | REFUND 188980 AV RETURN D |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 15379 SEABOCK PRICE APC CLIENT TRUST ACCOUNT | | | | | | | | | | |
| 102325 | | 10/23/2025 | 10329641 | 11042025 | 122300 | 30,000.00 | 10/27/2025 | INV | PD | 10/25 S. Counter Settleme |
| 4861 SECTRAN SECURITY, INC. | | | | | | | | | | |
| 25101622 | | 10/10/2025 | 10329207 | 11042025 | 122301 | 561.60 | 10/20/2025 | INV | PD | 415 DIAMOND ST - OCT 2025 |
| 6612 SEEDS OF JOY VILLAGE, INC. | | | | | | | | | | |
| SOJV2025-08 | | 10/23/2025 | 10329440 | 11042025 | 122302 | 3,147.66 | 10/23/2025 | INV | PD | SOJV2025-08 NOVEMBER2025 |
| 11774 SHAFER, MARIA | | | | | | | | | | |
| 2025-048 RBHC | | 10/20/2025 | 10329551 | 11042025 | 122303 | 510.00 | 10/27/2025 | INV | PD | MEETING MINUTES FOR HARBO |
| 15370 SHENOY, SUJATA | | | | | | | | | | |
| 10152025 | | 09/06/2025 | 10329137 | 11042025 | 122304 | 26.95 | 10/26/2025 | INV | PD | PATRON REFUND |
| 8622 SHOETERIA | | | | | | | | | | |
| 0093034-IN | | 10/12/2025 | 10329564 | 11042025 | 122305 | 250.00 | 11/26/2025 | INV | PD | JUAN OLGUIN WORK BOOTS FY |
| 14699 SIGLER, BILL | | | | | | | | | | |
| 189425 | | 10/24/2025 | 10329590 | 11042025 | 122306 | 1,000.00 | 10/24/2025 | INV | PD | REFUND 189425 SSL RETURN |
| 8931 SIGNAL ATTORNEY SERVICE, INC. | | | | | | | | | | |
| 101525 | | 10/15/2025 | 10329260 | 11042025 | 122307 | 370.00 | 10/15/2025 | INV | PD | Services Rendered from 10 |
| 10381 SOUTH BAY FIRE, INC. | | | | | | | | | | |
| 200495 | | 07/30/2025 | 10329557 | 11042025 | 122308 | 2,508.00 | 10/27/2025 | INV | PD | ANNUAL FIRE EXT CERT 7/25 |
| 200554 | | 07/29/2025 | 10329559 | 11042025 | 122308 | 752.92 | 10/27/2025 | INV | PD | ANNUAL FIRE EXT CERT 7/25 |
| 200557 | | 07/29/2025 | 10329562 | 11042025 | 122308 | 897.09 | 10/27/2025 | INV | PD | ANNUAL FIRE EXT CERT 7/25 |
| 200558 | | 07/29/2025 | 10329554 | 11042025 | 122308 | 703.00 | 10/27/2025 | INV | PD | ANNUAL FIRE EXT CERT 7/25 |
| 200559 | | 07/29/2025 | 10329565 | 11042025 | 122308 | 360.00 | 10/27/2025 | INV | PD | ANNUAL FIRE EXT CERT 7/25 |
| | | | | | | 5,221.01 | | | | |
| 2990 SOUTH BAY FORD | | | | | | | | | | |
| 561137 | | 10/15/2025 | 10329221 | 11042025 | 122310 | 280.14 | 11/15/2025 | INV | PD | STOCK HUB CAP - EXPLORERS |
| 561259 | | 10/16/2025 | 10329220 | 11042025 | 122310 | 147.85 | 10/27/2025 | INV | PD | UNIT 667-21 TIRE SENSOR |
| 561727 | | 10/20/2025 | 10329346 | 11042025 | 122309 | 519.79 | 11/19/2025 | INV | PD | EXPLORERS BRAKE ROTORS - |
| 561790 | | 10/21/2025 | 10329344 | 11042025 | 122309 | 198.21 | 11/19/2025 | INV | PD | UNIT 611-14 DRIVER SIDE L |
| | | | | | | 1,145.99 | | | | |
| 12460 SOUTH BAY REGIONAL PUBLIC COMMUNICATION | | | | | | | | | | |
| 04690 | 7164 | 06/30/2025 | 10329484 | 11042025 | 122311 | 7,737.50 | 10/27/2025 | INV | PD | FY25-26 AVTEC SCOUT DISPA |
| 3016 SOUTHERN CALIFORNIA EDISON | | | | | | | | | | |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 600001012446-100925 | | 10/09/2025 | 10329251 | 11042025 | 122312 | 64,582.69 | 10/29/2025 | INV | PD | 200 S. CATALINA, BERYL/MA |
| 700062360940-101425 | | 10/14/2025 | 10329497 | 11042025 | 122312 | 1,975.12 | 11/03/2025 | INV | PD | N HARBOR DR, N CATALINA, |
| 700062436318-101425 | | 10/14/2025 | 10329498 | 11042025 | 122312 | 11,426.15 | 11/03/2025 | INV | PD | 101 TORRANCE BL./INT'L BO |
| 700062474209-100925 | | 10/09/2025 | 10329239 | 11042025 | 122312 | 4,243.04 | 10/29/2025 | INV | PD | Electricity |
| 700063072575-100225 | | 10/02/2025 | 10329246 | 11042025 | 122312 | 126,808.66 | 10/22/2025 | INV | PD | Electricity |
| 700165291478-101425 | | 10/14/2025 | 10329500 | 11042025 | 122312 | 390.25 | 11/03/2025 | INV | PD | 205 YACHT CLUB WAY 9/11-1 |
| 700470178747-101425 | | 10/14/2025 | 10329499 | 11042025 | 122312 | 1,863.92 | 11/03/2025 | INV | PD | ARTESIA, JUANITA, 190TH, |
| 700634979323-100325 | | 10/03/2025 | 10329243 | 11042025 | 122312 | 2,018.60 | 10/23/2025 | INV | PD | Electricity |
| 700724544574-092925 | | 09/29/2025 | 10329269 | 11042025 | 122312 | 1,327.76 | 10/20/2025 | INV | PD | 1521 KINGSDALE AVE 08/26- |
| | | | | | | 214,636.19 | | | | |
| 15303 SOUTHSTAR ENGINEERING & CONSULTING, INC | | | | | | | | | | |
| 608 | 7137 | 10/15/2025 | 10329190 | 11042025 | 122313 | 11,726.00 | 10/27/2025 | INV | PD | AVIATION / ARTESIA NB RT |
| 610 | 7170 | 10/15/2025 | 10329545 | 11042025 | 122313 | 14,480.00 | 10/27/2025 | INV | PD | CONSTRUCTION MANAGEMENT F |
| | | | | | | 26,206.00 | | | | |
| 11407 SPIN IMAGING | | | | | | | | | | |
| 22038 | | 10/26/2025 | 10329651 | 11042025 | 122314 | 1,250.00 | 10/26/2025 | INV | PD | SURVEY OF UTILTIY BOX FOR |
| 3125 SUN BADGE CO. | | | | | | | | | | |
| 425630 | | 10/13/2025 | 10329452 | 11042025 | 122315 | 510.64 | 12/26/2025 | INV | PD | BADGES |
| 14912 SUNWEST ENGINEERING CONSTRUCTORS INC | | | | | | | | | | |
| SA-63405 | 7168 | 10/15/2025 | 10329600 | 11042025 | 122316 | 1,335.95 | 11/14/2025 | INV | PD | EMERGENCY VISIT-TROUBLESH |
| 10365 T-MOBILE | | | | | | | | | | |
| 998197361-10202025 | | 09/21/2025 | 10328603 | 11042025 | 122317 | 93.30 | 10/13/2025 | INV | PD | FIRE DEPT PHONES/INTERNET |
| 9715 T2 SYSTEMS CANADA INC. | | | | | | | | | | |
| INVEBP0000010483 | | 10/16/2025 | 10329154 | 11042025 | 122318 | 168.00 | 10/27/2025 | INV | PD | EXTEND BY PHONE USAGE 9/2 |
| 11998 TELEFLEX LLC | | | | | | | | | | |
| 9510661666 | | 10/11/2025 | 10329461 | 11042025 | 122319 | 156.94 | 11/10/2025 | INV | PD | PARAMEDIC SUPPLIES |
| 9361 TETRA TECH, INC | | | | | | | | | | |
| 52497949 | 6355 | 10/15/2025 | 10329242 | 11042025 | 122320 | 1,135.00 | 10/27/2025 | INV | PD | PLANNING-DESIGN FOR GLENN |
| 11361 TIREHUB, LLC | | | | | | | | | | |
| 53541594 | | 10/15/2025 | 10329630 | 11042025 | 122321 | 351.95 | 11/14/2025 | INV | PD | UNIT 685-15 TIRES |
| 3225 TORRANCE AUTO PARTS | | | | | | | | | | |
| 2280-0925 | 7161 | 10/01/2025 | 10329352 | 11042025 | 122322 | 6,665.65 | 10/31/2025 | INV | PD | SEPTEMBER '25 AUTO PARTS |
| 7361 TRANSPORTATION CONCEPTS | | | | | | | | | | |

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 516-09-2025 | 7086 | 10/24/2025 | 10329634 | 11042025 | 122323 | 364,437.82 | 10/27/2025 | INV | PD | Sept 2025 Transportation |
| 9469 TREASURED MOMENTS PHOTOGRAPHY | | | | | | | | | | |
| 231078IT | | 10/21/2025 | 10329285 | 11042025 | 122324 | 150.00 | 10/21/2025 | INV | PD | CM OFFICE AD IT PHOTOS FO |
| 15215 TRUE NORTH COMPLIANCE SERVICES INC | | | | | | | | | | |
| 25-09-058 | 7103 | 10/01/2025 | 10329417 | 11042025 | 122325 | 29,522.56 | 10/27/2025 | INV | PD | PLAN CHECK AND CONSULTING |
| 3261 TURF STAR INC | | | | | | | | | | |
| INV117968 | | 10/07/2025 | 10329240 | 11042025 | 122326 | 801.06 | 11/07/2025 | INV | PD | UNIT 295-17 REPLACED TWO |
| 3268 TWINING LABORATORIES OF S CALIFORNIA | | | | | | | | | | |
| 106616 | 6713 | 10/15/2025 | 10329126 | 11042025 | 122327 | 1,300.00 | 10/27/2025 | INV | PD | WILDERNESS PARK PROJECT |
| 106617 | 6713 | 10/15/2025 | 10329127 | 11042025 | 122327 | 2,223.94 | 10/27/2025 | INV | PD | WILDERNESS PARK PROJECT |
| | | | | | | 3,523.94 | | | | |
| 5885 U.S. BANK CORPORATE PAYMENT SYSTEM | | | | | | | | | | |
| 008809222025 | | 09/22/2025 | 10329178 | 11042025 | 122328 | 2,935.33 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - S |
| 013309222025 | | 09/22/2025 | 10329144 | 11042025 | 122328 | 32.84 | 10/20/2025 | INV | PD | B MAGUMCIA -PS AQMD & USP |
| 023209222025 | | 09/22/2025 | 10329016 | 11042025 | 122328 | 370.30 | 10/20/2025 | INV | PD | MALO CALCARD 09/22/2025 |
| 027009222025 | | 09/22/2025 | 10329008 | 11042025 | 122328 | 35.53 | 10/20/2025 | INV | PD | PORTOLESE CALCARD 09/22/2 |
| 030309222025 | | 10/01/2025 | 10328484 | 11042025 | 122328 | 1,150.00 | 10/01/2025 | INV | PD | CLAUDIA HUIZAR 9/25 CAL C |
| 030409222025 | | 09/22/2025 | 10329173 | 11042025 | 122328 | 3,035.17 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - J |
| 0373092225 | | 10/22/2025 | 10329398 | 11042025 | 122328 | 70.00 | 10/22/2025 | INV | PD | VICTORIA CHANG CALCARD SE |
| 046209222025 | | 09/22/2025 | 10329023 | 11042025 | 122328 | 1,991.27 | 10/20/2025 | INV | PD | ANDERSON CALCARD 09/22/20 |
| 0472092225 | | 10/14/2025 | 10329044 | 11042025 | 122328 | 6,899.01 | 10/14/2025 | INV | PD | KELLY ORTA CALCARD SEPT 2 |
| 064309222025 | | 09/22/2025 | 10329020 | 11042025 | 122328 | 2,054.81 | 10/20/2025 | INV | PD | HARRISON CALCARD 09/22/20 |
| 067309222025 | | 09/22/2025 | 10329001 | 11042025 | 122328 | 9,461.61 | 10/20/2025 | INV | PD | HAVRILCHAK CALCARD 09/22/ |
| 0807092225 | | 10/14/2025 | 10329073 | 11042025 | 122328 | 25.00 | 10/14/2025 | INV | PD | PKALUDEROVIC CALCARD 0920 |
| 080909222025 | | 09/22/2025 | 10329028 | 11042025 | 122328 | 545.40 | 10/20/2025 | INV | PD | AHUMADA CALCARD 09/22/202 |
| 082609222025 | | 09/22/2025 | 10329047 | 11042025 | 122328 | 4,037.69 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 0978-09222025 | | 10/10/2025 | 10328841 | 11042025 | 122328 | 7,908.39 | 10/10/2025 | INV | PD | CHELSEA SIMPSON OCT25 CAL |
| 098609222025 | | 09/22/2025 | 10329063 | 11042025 | 122328 | 2,319.52 | 10/20/2025 | INV | PD | KORTE CALCARD 09/22/2025 |
| 101709222025 | | 09/22/2025 | 10329180 | 11042025 | 122328 | 2,526.64 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - A |
| 1039092225 | | 10/06/2025 | 10328519 | 11042025 | 122328 | 217.12 | 10/06/2025 | INV | PD | IMELDA DELGADO CALCARD SE |
| 110309222025 | | 09/22/2025 | 10329052 | 11042025 | 122328 | 670.50 | 10/20/2025 | INV | PD | WESTPHAL CALCARD 09/22/20 |
| 111109222025 | | 09/22/2025 | 10329000 | 11042025 | 122328 | 113.75 | 10/20/2025 | INV | PD | HOLLEY CALCARD 09/22/2025 |
| 115209222025 | | 09/22/2025 | 10329003 | 11042025 | 122328 | 276.34 | 10/20/2025 | INV | PD | SADEGHI CALCARD 09/22/202 |
| 1326-092225 | | 09/22/2025 | 10328371 | 11042025 | 122328 | 140.00 | 10/20/2025 | INV | PD | LAUREN SABLAN CAL CARD 09 |
| 140209222025 | | 09/22/2025 | 10328999 | 11042025 | 122328 | 1,124.15 | 10/20/2025 | INV | PD | STEVENS CALCARD 09/22/202 |
| 1599-09222025 | | 09/22/2025 | 10328931 | 11042025 | 122328 | 2,077.08 | 10/20/2025 | INV | PD | J REYES CC 09/25 |
| 1615-09222025 | | 09/22/2025 | 10328905 | 11042025 | 122328 | 242.95 | 10/20/2025 | INV | PD | B BOSTER CC 09/25 |
| 164709222025 | | 09/22/2025 | 10329061 | 11042025 | 122328 | 1,096.46 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 170109222025 | | 09/22/2025 | 10329049 | 11042025 | 122328 | 1,369.74 | 10/20/2025 | INV | PD | EVELO CALCARD 09/22/2025 |
| 184009222025 | | 09/22/2025 | 10329158 | 11042025 | 122328 | 960.00 | 10/20/2025 | INV | PD | D. STRICKFADEN SEPTEMBER |
| 1857092225 | | 10/14/2025 | 10329074 | 11042025 | 122328 | 1,108.91 | 10/14/2025 | INV | PD | RMICHEL CALCARD 092025 |
| 192209222025 | | 09/22/2025 | 10329039 | 11042025 | 122328 | 1,239.69 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 2076-09225 | | 09/22/2025 | 10329780 | 11042025 | 122328 | 6,705.07 | 10/22/2025 | INV | PD | MIKE KLEIN CAL CARD-SEPT. |
| 208609222025 | | 09/22/2025 | 10329006 | 11042025 | 122328 | 575.30 | 10/20/2025 | INV | PD | MARTINEZ CALCARD 09/22/20 |

# CITY OF REDONDO BEACH

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 213309222025 | | 09/22/2025 | 10329064 | 11042025 | 122328 | 496.45 | 10/20/2025 | INV | PD | DOSSETT CALCARD 09/22/202 |
| 220509222025 | | 09/22/2025 | 10329010 | 11042025 | 122328 | 216.41 | 10/20/2025 | INV | PD | CENICEROS CALCARD 09/22/2 |
| 221309222025 | | 09/22/2025 | 10329013 | 11042025 | 122328 | 271.82 | 10/20/2025 | INV | PD | MONTEILH CALCARD 09/22/20 |
| 260209222025 | | 09/22/2025 | 10329176 | 11042025 | 122328 | 3,745.52 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - R |
| 263109222025 | | 09/22/2025 | 10329175 | 11042025 | 122328 | 1,542.80 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - G |
| 287009222025 | | 09/22/2025 | 10329007 | 11042025 | 122328 | 448.06 | 10/20/2025 | INV | PD | PRESTIA CALCARD 09/22/202 |
| 293609222025 | | 09/22/2025 | 10329012 | 11042025 | 122328 | 766.04 | 10/20/2025 | INV | PD | LONG CALCARD 09/22/2025 |
| 2968-09222025 | | 09/22/2025 | 10328897 | 11042025 | 122328 | 181.25 | 10/20/2025 | INV | PD | C MAHONEY CC 09/25 |
| 324809222025 | | 09/22/2025 | 10328370 | 11042025 | 122328 | 171.98 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 3460-09222025 | | 09/22/2025 | 10328886 | 11042025 | 122328 | 2,316.50 | 10/20/2025 | INV | PD | K CAMPOS CC 09/25 |
| 347109222025 | | 09/22/2025 | 10329163 | 11042025 | 122328 | 3,866.08 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 3478-09222025 | | 09/22/2025 | 10328904 | 11042025 | 122328 | 843.83 | 10/20/2025 | INV | PD | R STOUT CC 09/25 |
| 348109222025 | | 09/22/2025 | 10329056 | 11042025 | 122328 | 720.07 | 10/20/2025 | INV | PD | HENRY CALCARD 09/22/2025 |
| 3686-09222025 | | 09/22/2025 | 10328919 | 11042025 | 122328 | 255.82 | 10/20/2025 | INV | PD | B REGAN CC 9/25 |
| 368909222025 | | 10/10/2025 | 10328937 | 11042025 | 122328 | 2,149.82 | 10/10/2025 | INV | PD | JACK MEYER CAL CARD - 9/2 |
| 38909222025 | | 09/22/2025 | 10328895 | 11042025 | 122328 | 550.41 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 3986-092225 | | 09/22/2025 | 10328889 | 11042025 | 122328 | 44.54 | 10/20/2025 | INV | PD | DIAZ - SEPT 2025 CALCARD |
| 4196-092225 | | 09/22/2025 | 10329140 | 11042025 | 122328 | 38.75 | 10/20/2025 | INV | PD | 9/25 J. Ford Cal Card |
| 4204092225 | | 10/22/2025 | 10329392 | 11042025 | 122328 | 12,185.25 | 10/22/2025 | INV | PD | MICHELLE PINEDO CALCARD |
| 4212092225 | | 10/22/2025 | 10329385 | 11042025 | 122328 | 1,409.04 | 10/22/2025 | INV | PD | GERALDINE GINA MANZANO CA |
| 4214-09222025 | | 10/10/2025 | 10328840 | 11042025 | 122328 | 1,271.10 | 10/10/2025 | INV | PD | DIG CERT RENEW HONEL LARA |
| 424609222025 | | 09/22/2025 | 10329186 | 11042025 | 122328 | 3,194.87 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - F |
| 424709222025 | | 10/14/2025 | 10329035 | 11042025 | 122328 | 10.75 | 10/14/2025 | INV | PD | Jonathan Reyes-Flores Cal |
| 425409222025 | | 10/01/2025 | 10328485 | 11042025 | 122328 | 875.00 | 10/01/2025 | INV | PD | STEPHANIE MEYER 9/25 CAL |
| 4270092225 | | 10/22/2025 | 10329383 | 11042025 | 122328 | 1,829.61 | 10/22/2025 | INV | PD | ALEXANDRA LOPEZ CALCARD S |
| 4296092225 | | 10/08/2025 | 10328661 | 11042025 | 122328 | 29.65 | 10/08/2025 | INV | PD | GERALDINE LOPEZ CALCARD S |
| 4436-09222025 | | 09/22/2025 | 10328903 | 11042025 | 122328 | 291.49 | 10/20/2025 | INV | PD | J SISANTE CC 09/25 |
| 4444-09222025 | | 09/22/2025 | 10328926 | 11042025 | 122328 | 2,450.48 | 10/20/2025 | INV | PD | B LACKEY CC 09/25 |
| 4451-09222025 | | 09/22/2025 | 10329211 | 11042025 | 122328 | 138.89 | 10/20/2025 | INV | PD | Mailings, subscriptions a |
| 4603-092225 | | 09/22/2025 | 10328372 | 11042025 | 122328 | 535.38 | 10/20/2025 | INV | PD | JESSE REYES CAL CARD 09/2 |
| 460809222025 | | 09/22/2025 | 10328538 | 11042025 | 122328 | 2,135.99 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 469409222025 | | 09/22/2025 | 10329071 | 11042025 | 122328 | 880.92 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 4842092225 | | 10/22/2025 | 10329399 | 11042025 | 122328 | 89.16 | 10/22/2025 | INV | PD | BARRY CHRISTENSEN CALCARD |
| 484909222025 | | 09/22/2025 | 10329069 | 11042025 | 122328 | 2,887.23 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 507409222025 | | 09/22/2025 | 10328468 | 11042025 | 122328 | 1,269.02 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 515109222025 | | 09/22/2025 | 10329164 | 11042025 | 122328 | 1,152.45 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 530309222025 | | 09/22/2025 | 10329002 | 11042025 | 122328 | 826.14 | 10/20/2025 | INV | PD | WEISS CALCARD 09/22/2025 |
| 535809222025 | | 09/22/2025 | 10329009 | 11042025 | 122328 | 232.13 | 10/20/2025 | INV | PD | ALSTON CALCARD 09/22/2025 |
| 554309222025 | | 09/22/2025 | 10329018 | 11042025 | 122328 | 748.68 | 10/20/2025 | INV | PD | RUBIO CALCARD 09/22/2025 |
| 5614092225 | | 10/23/2025 | 10329432 | 11042025 | 122328 | 2,593.82 | 10/23/2025 | INV | PD | PAMELA SCOTT CALCARD SEPT |
| 562809222025 | | 09/22/2025 | 10329160 | 11042025 | 122328 | 952.11 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 566009222025 | | 09/22/2025 | 10329051 | 11042025 | 122328 | 1,201.07 | 10/20/2025 | INV | PD | MARTIN CALCARD 09/22/2025 |
| 5708-09222025 | | 09/22/2025 | 10328906 | 11042025 | 122328 | 1,146.07 | 10/20/2025 | INV | PD | J MAY CC 09/25 |
| 5730-09222025 | | 09/22/2025 | 10328900 | 11042025 | 122328 | 409.81 | 10/20/2025 | INV | PD | J BROWN CC 09/25 |
| 5732-092-225 | | 09/22/2025 | 10329470 | 11042025 | 122328 | 605.00 | 10/23/2025 | INV | PD | LORENA SOULES CAL CARD 09 |
| 574009222025 | | 09/22/2025 | 10328998 | 11042025 | 122328 | 806.56 | 10/20/2025 | INV | PD | MERRILL CALCARD 09/22/202 |
| 5820092225 | | 10/22/2025 | 10329394 | 11042025 | 122328 | 3,795.88 | 10/22/2025 | INV | PD | KRISTEN MARTIN CALCARD SE |
| 589709222025 | | 09/22/2025 | 10329072 | 11042025 | 122328 | 243.45 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 609609222025 | | 09/22/2025 | 10329004 | 11042025 | 122328 | 80.99 | 10/20/2025 | INV | PD | WEADOCK CALCARD 09/22/202 |
| 609909222025 | | 10/22/2025 | 10329378 | 11042025 | 122328 | 4,919.05 | 10/22/2025 | INV | PD | ZPAINTERCALCARD SENIOR TR |
| 610409222025 | | 10/16/2025 | 10329148 | 11042025 | 122328 | 95.33 | 10/16/2025 | INV | PD | Jacob Grajeda Cal Card 09 |
| 6120-092225 | | 09/22/2025 | 10329142 | 11042025 | 122328 | 2,098.39 | 10/20/2025 | INV | PD | 9/25 M. Morallo Cal Card |
| 6138-092225 | | 09/22/2025 | 10329141 | 11042025 | 122328 | 442.51 | 10/20/2025 | INV | PD | 9/25 C. Chaffins Cal Card |
| 6273-09222025 | | 09/22/2025 | 10328884 | 11042025 | 122328 | 2,387.50 | 10/20/2025 | INV | PD | D CONARD CC 9/25 |
| 628209222025 | | 09/22/2025 | 10329022 | 11042025 | 122328 | 1,476.56 | 10/20/2025 | INV | PD | GONZALEZ CALCARD 09/22/20 |

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 6290-09222025 | | 09/22/2025 | 10328923 | 11042025 | 122328 | 721.25 | 10/20/2025 | INV | PD | B BELLANTE CC 09/25 |
| 632409222025 | | 09/22/2025 | 10328892 | 11042025 | 122328 | 299.20 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 636609222025 | | 09/22/2025 | 10329157 | 11042025 | 122328 | 1,160.47 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 6390092225 | | 10/19/2025 | 10329189 | 11042025 | 122328 | 2,068.13 | 10/20/2025 | INV | PD | MICHAEL PACHECO- CAL CARD |
| 6431-09222025 | | 09/22/2025 | 10328921 | 11042025 | 122328 | 757.79 | 10/20/2025 | INV | PD | B WADDELL CC 9/25 |
| 644109222025 | | 09/22/2025 | 10329045 | 11042025 | 122328 | 536.39 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 654609222025 | | 09/22/2025 | 10329046 | 11042025 | 122328 | 2,280.41 | 10/20/2025 | INV | PD | ARNOLD CALCARD 09/22/2025 |
| 674109222025 | | 09/22/2025 | 10329015 | 11042025 | 122328 | 207.44 | 10/20/2025 | INV | PD | SPRENGEL CALCARD 09/22/20 |
| 674909222025 | | 09/22/2025 | 10329014 | 11042025 | 122328 | 95.79 | 10/20/2025 | INV | PD | WINDMAN CALCARD 09/22/202 |
| 682009222025 | | 09/22/2025 | 10329043 | 11042025 | 122328 | 1,217.14 | 10/20/2025 | INV | PD | MANIS CALCARD 09/22/2025 |
| 682609222025 | | 09/22/2025 | 10329066 | 11042025 | 122328 | 2,315.79 | 10/20/2025 | INV | PD | DILEVA CALCARD 09/22/2025 |
| 6846-09222025 | | 09/22/2025 | 10329212 | 11042025 | 122328 | 138.71 | 10/20/2025 | INV | PD | PO and HBR subscription. |
| 68782794-465352 | | 10/10/2025 | 10328851 | 11042025 | 122328 | 4,653.52 | 10/10/2025 | INV | PD | MIKE COOK CALCARD SEPT 20 |
| 693209222025 | | 09/22/2025 | 10328374 | 11042025 | 122328 | 52.06 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 709609222025 | | 09/22/2025 | 10329017 | 11042025 | 122328 | 1,928.54 | 10/20/2025 | INV | PD | VALDIVIA CALCARD 09/22/20 |
| 710609222025 | | 09/22/2025 | 10329021 | 11042025 | 122328 | 1,039.36 | 10/20/2025 | INV | PD | ROSE CALCARD 09/22/2025 |
| 728309222025 | | 09/22/2025 | 10329055 | 11042025 | 122328 | 1,132.21 | 10/20/2025 | INV | PD | PLUGGE CALCARD 09/22/2025 |
| 752009222025 | | 09/22/2025 | 10329121 | 11042025 | 122328 | 739.87 | 10/22/2025 | INV | PD | LIBRARY/VILHAUER |
| 753109222025 | | 09/22/2025 | 10328373 | 11042025 | 122328 | 2,468.44 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 757209222025 | | 09/22/2025 | 10329053 | 11042025 | 122328 | 1,337.82 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 7606092225 | | 10/02/2025 | 10328411 | 11042025 | 122328 | 523.86 | 10/02/2025 | INV | PD | ROB PIERCE CALCARD 092225 |
| 766309222025 | | 09/22/2025 | 10329181 | 11042025 | 122328 | 1,144.44 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 25 - J |
| 770109222025 | | 09/22/2025 | 10328996 | 11042025 | 122328 | 327.46 | 10/20/2025 | INV | PD | KILPATRICK CALCARD 09/22/ |
| 7739-092225 | | 09/22/2025 | 10328345 | 11042025 | 122328 | 815.45 | 10/20/2025 | INV | PD | MANZANO - SEPT 2025 CALCA |
| 782009222025 | | 10/01/2025 | 10328391 | 11042025 | 122328 | 31.81 | 10/01/2025 | INV | PD | ROBERT NORMAN 9/25 CAL CA |
| 782509222025 | | 09/22/2025 | 10329059 | 11042025 | 122328 | 1,089.14 | 10/20/2025 | INV | PD | SPRY CALCARD 09/22/2025 |
| 7933-09222025 | | 09/22/2025 | 10328914 | 11042025 | 122328 | 1,363.32 | 10/20/2025 | INV | PD | I YANG CC 09/25 |
| 8353-09222025 | | 09/22/2025 | 10328880 | 11042025 | 122328 | 83.04 | 10/20/2025 | INV | PD | T HOFF CC 09/25 |
| 836609222025 | | 09/22/2025 | 10329048 | 11042025 | 122328 | 4,111.69 | 10/20/2025 | INV | PD | HALEY CALCARD 09/22/2025 |
| 8775-09222025 | | 09/22/2025 | 10328883 | 11042025 | 122328 | 121.80 | 10/20/2025 | INV | PD | C SMITH CC 9/25 |
| 885309222025 | | 09/22/2025 | 10329005 | 11042025 | 122328 | 153.60 | 10/20/2025 | INV | PD | HOFFMAN CALCARD 09/22/202 |
| 8866-09222025 | | 09/22/2025 | 10328901 | 11042025 | 122328 | 175.62 | 10/20/2025 | INV | PD | G CURRIE CC 09/25 |
| 8908-09222025 | | 09/22/2025 | 10328899 | 11042025 | 122328 | 404.68 | 10/20/2025 | INV | PD | D MALLABON CC 9/25 |
| 897909222025 | | 09/22/2025 | 10328891 | 11042025 | 122328 | 1,831.38 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 899609222025 | | 09/22/2025 | 10328608 | 11042025 | 122328 | 5,244.00 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 918509222025 | | 09/22/2025 | 10329065 | 11042025 | 122328 | 1,829.11 | 10/20/2025 | INV | PD | DELERY CALCARD 09/22/2025 |
| 920309222025 | | 09/22/2025 | 10329079 | 11042025 | 122328 | 2,297.38 | 10/20/2025 | INV | PD | RECINOS CALCARD 09/22/202 |
| 922409222025 | | 09/22/2025 | 10329162 | 11042025 | 122328 | 7,054.14 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 923409222025 | | 09/22/2025 | 10329067 | 11042025 | 122328 | 714.25 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 944909222025 | | 09/22/2025 | 10329054 | 11042025 | 122328 | 4,043.33 | 10/22/2025 | INV | PD | CAL CARD SEPTEMBER 2025 - |
| 946009222025 | | 10/15/2025 | 10329110 | 11042025 | 122328 | 1,160.28 | 10/15/2025 | INV | PD | ANTHONY WILSON CAL CARD 0 |
| 949809222025 | | 10/22/2025 | 10329387 | 11042025 | 122328 | 6,551.53 | 10/22/2025 | INV | PD | SONNACA LUCKEY CALCARD SE |
| 960209222025 | | 09/22/2025 | 10329029 | 11042025 | 122328 | 1,716.60 | 10/20/2025 | INV | PD | COOK CALCARD 09/22/2025 |
| 967009222025 | | 09/22/2025 | 10329011 | 11042025 | 122328 | 206.00 | 10/20/2025 | INV | PD | LEWIS CALCARD 09/22/2025 |
| 984409222025 | | 09/22/2025 | 10329078 | 11042025 | 122328 | 12,117.90 | 10/20/2025 | INV | PD | TEMPRANO CALCARD 09/22/20 |
| 991709222025 | | 09/22/2025 | 10329031 | 11042025 | 122328 | 1,012.06 | 10/20/2025 | INV | PD | LOFSTROM CALCARD 09/22/20 |
| | | | | | | 220,913.25 | | | | |
| 3283 ULINE | | | | | | | | | | |
| 197823216 | | 10/08/2025 | 10328668 | 11042025 | 122329 | 3,259.68 | 10/08/2025 | INV | PD | TEEN CENTER WORKSTATION C |
| 3286 UNDERGROUND VAULTS & STORAGE | | | | | | | | | | |
| 4001948 | | 08/31/2025 | 10329567 | 11042025 | 122330 | 1,299.60 | 10/27/2025 | INV | PD | LEASE RENTAL - VAULT (9/1 |

# VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 5332 UNITED RENTALS NORTHWEST, INC. | | | | | | | | | | |
| 185398016-068 | | 10/18/2025 | 10329568 | 11042025 | 122331 | 197.55 | 10/27/2025 | INV | PD | 11/25 Homeless Ct Portabl |
| 6443 URBAN GRAFFITI ENTERPRISES, INC. | | | | | | | | | | |
| RED22509 | | 09/30/2025 | 10329489 | 11042025 | 122332 | 4,050.00 | 10/31/2025 | INV | PD | 09/2025 GRAFFITI REMOVAL |
| 15276 VAN OVER, MICHAEL | | | | | | | | | | |
| 2808PinckardRefund | | 10/24/2025 | 10329531 | 11042025 | 122333 | 3,000.00 | 10/24/2025 | INV | PD | DEMO Refund for 2808 Pinc |
| 3348 VANGUARD ID SYSTEMS | | | | | | | | | | |
| I531126 | | 08/11/2025 | 10329405 | 11042025 | 122334 | 2,145.36 | 11/14/2025 | INV | PD | LIBRARY CARDS |
| 14219 VCA YORBA REGIONAL ANIMAL HOSPITAL | | | | | | | | | | |
| 5438750973 | | 09/22/2025 | 10329653 | 11042025 | 122335 | 3,539.96 | 10/27/2025 | INV | PD | EMERGENCY VISIT K9 NYX 9/ |
| 8088 VERIZON BUSINESS SERVICES | | | | | | | | | | |
| 73498015 | | 10/21/2025 | 10329327 | 11042025 | 122336 | 3,207.30 | 10/21/2025 | INV | PD | SV646027 CALNET NEXT GEN |
| Z1743705 | | 10/21/2025 | 10329278 | 11042025 | 122336 | 44.35 | 10/21/2025 | INV | PD | U0189628 |
| | | | | | | 3,251.65 | | | | |
| 3621 VERIZON WIRELESS | | | | | | | | | | |
| 6123811158 | | 09/18/2025 | 10328664 | 11042025 | 122337 | 1,176.03 | 10/13/2025 | INV | PD | FIRE DEPT IPADS 8/19 - 9/ |
| 6124877596 | | 10/01/2025 | 10329493 | 11042025 | 122337 | 335.61 | 10/24/2025 | INV | PD | MONTHLY CHARGES 370526445 |
| 6124953691 | | 10/21/2025 | 10329277 | 11042025 | 122337 | 310.84 | 10/21/2025 | INV | PD | 842000640-00002 |
| 6124953752 | | 10/01/2025 | 10329646 | 11042025 | 122337 | 664.98 | 10/30/2025 | INV | PD | PW CELL PHONES 9/2-10/1/2 |
| | | | | | | 2,487.46 | | | | |
| 14811 VESTIS UNIFORM AND WORK PLACE | | | | | | | | | | |
| 5860496500 | 6754 | 10/15/2025 | 10329572 | 11042025 | 122338 | 109.15 | 11/10/2025 | INV | PD | 10/15 PIER UNIFORMS |
| 5860496501 | 6754 | 10/15/2025 | 10329570 | 11042025 | 122338 | 172.26 | 11/10/2025 | INV | PD | 10/15 PARKS UNIFORMS |
| 5860496502 | 6754 | 10/15/2025 | 10329589 | 11042025 | 122338 | 355.83 | 11/10/2025 | INV | PD | 10/15 PW YARD UNIFORMS |
| | | | | | | 637.24 | | | | |
| 14890 WATSON, LINDSEY | | | | | | | | | | |
| 188976 | | 10/21/2025 | 10329340 | 11042025 | 122339 | 200.00 | 10/21/2025 | INV | PD | REFUND 188976 WP RETURN D |
| 3408 WAXIE SANITARY SUPPLY | | | | | | | | | | |
| 83592940 | | 10/23/2025 | 10329596 | 11042025 | 122340 | 3,541.48 | 11/22/2025 | INV | PD | JANITORIAL SUPPLIES - PIE |
| 15366 WELCH, PERLA | | | | | | | | | | |
| 188705 | | 10/15/2025 | 10329122 | 11042025 | 122341 | 1,570.00 | 10/15/2025 | INV | PD | REFUND 188705 CANCELED RE |
| 3421 WEST COAST ARBORISTS INC | | | | | | | | | | |

## VENDOR INVOICE LIST

| INVOICE | P.O. | INV DATE | VOUCHER | CHECK RUN | CHECK # | INVOICE NET | DUE DATE | TYPE | STS | INVOICE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|
| 234297 | 6625 | 09/15/2025 | 10329504 | 11042025 | 122342 | 5,721.00 | 10/15/2025 | INV | PD | PROVIDE TREE TRIMMING SER |
| 234298 | 6625 | 09/15/2025 | 10329645 | 11042025 | 122342 | 13,750.00 | 10/03/2025 | INV | PD | PROVIDE TREE TRIMMING SER |
| 234902 | 6625 | 09/30/2025 | 10329258 | 11042025 | 122342 | 21,444.00 | 10/30/2025 | INV | PD | PROVIDE TREE TRIMMING SER |
| 234903 | 6625 | 09/30/2025 | 10329256 | 11042025 | 122342 | 3,380.00 | 10/30/2025 | INV | PD | PROVIDE TREE TRIMMING SER |
| 234904 | 6625 | 09/30/2025 | 10329257 | 11042025 | 122342 | 4,806.00 | 10/30/2025 | INV | PD | PROVIDE TREE TRIMMING SER |
| | | | | | | 49,101.00 | | | | |
| 3458 WILLIAMS SCOTSMAN, INC. | | | | | | | | | | |
| 9024601711 | | 09/17/2025 | 10329454 | 11042025 | 122343 | 160.97 | 10/15/2025 | INV | PD | Homeless Court Storage 09 |
| 9024630764 | | 09/22/2025 | 10329467 | 11042025 | 122343 | 174.07 | 10/22/2025 | INV | PD | STREET STORAGE CONTAINER |
| 9024767308 | | 10/10/2025 | 10329586 | 11042025 | 122343 | 275.91 | 10/27/2025 | INV | PD | Pallet Shelter Storage 10 |
| 9024767310 | | 10/10/2025 | 10329580 | 11042025 | 122343 | 328.59 | 10/27/2025 | INV | PD | Pallet Shelter Storage 10 |
| 9024767312 | | 10/10/2025 | 10329585 | 11042025 | 122343 | 275.91 | 10/27/2025 | INV | PD | Pallet Shelter Storage 10 |
| 9024826036 | | 10/20/2025 | 10329299 | 11042025 | 122343 | 174.07 | 11/19/2025 | INV | PD | STREET STORAGE CONTAINER |
| | | | | | | 1,389.52 | | | | |
| 15385 ART THERAPY | | | | | | | | | | |
| CW101725 | | 10/27/2025 | 10329662 | 11042025 | 122344 | 500.00 | 10/27/2025 | INV | PD | ARTIST FEE: CHRISTINE WIL |
| 12562 YITAE, KIM | | | | | | | | | | |
| IAN2025-FALL | | 10/15/2025 | 10329123 | 11042025 | 122345 | 5,586.00 | 10/15/2025 | INV | PD | IAN2025FALL TENNIS 2TEN11 |
| 15067 YORKE ENGINEERING LLC | | | | | | | | | | |
| 46270 | 7076 | 10/15/2025 | 10329113 | 11042025 | 122346 | 2,354.25 | 10/15/2025 | INV | PD | ATTEND COUNCIL MEETING-RE |
| 13146 YUNEX LLC | | | | | | | | | | |
| 5610006245 | 6560 | 09/15/2025 | 10329381 | 11042025 | 122347 | 7,903.39 | 11/15/2025 | INV | PD | TRAFFIC SIGNAL RESPONSE C |
| 5610006536 | 6560 | 10/14/2025 | 10329396 | 11042025 | 122347 | 739.92 | 11/13/2025 | INV | PD | TRAFFIC SIGNAL RESPONSE C |
| 90005322 | 6560 | 09/18/2025 | 10329393 | 11042025 | 122347 | 1,728.00 | 10/22/2025 | INV | PD | SIGNALIZED INTERSECTIONS |
| 90005449 | 6560 | 10/03/2025 | 10329644 | 11042025 | 122347 | 1,728.00 | 11/02/2025 | INV | PD | FLASHING BEACONS/SIGNALIZ |
| | | | | | | 12,099.31 | | | | |
| 511 INVOICES | | | | | | 3,963,756.08 | | | | |

** END OF REPORT - Generated by Nicholette Garcia **

# Administrative Report

H.5., **File #** 25-1335 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: STEPHANIE MEYER, FINANCE DIRECTOR

**TITLE**

APPROVE CONTRACTS UNDER $35,000:

1. APPROVE AN AGREEMENT WITH MARK GROH FOR PARKING CITATION APPEAL ADJUDICATION SERVICES IN AN AMOUNT NOT TO EXCEED $16,800 FOR THE TERM NOVEMBER 4, 2025 TO NOVEMBER 3, 2028

   CONTACT: JOE HOFFMAN, CHIEF OF POLICE

2. APPROVE AN AGREEMENT WITH STREAMLINE AUTOMATION SYSTEMS, LLC TO PROVIDE SOFTWARE FOR FIRE INSPECTIONS IN AN AMOUNT NOT TO EXCEED $32,366 FOR THE TERM NOVEMBER 22, 2025 TO NOVEMBER 21, 2026 WITH ONE AUTOMATIC ONE-YEAR RENEWAL

   CONTACT: PATRICK BUTLER, FIRE CHIEF

**EXECUTIVE SUMMARY**

Approve Contracts Under $35,000

**APPROVED BY:**

*Mike Witzansky, City Manager*

**ATTACHMENTS**

- Agmt, Signature & Insurance - Mark Groh
- Agmt, Signature & Insurance - Streamline Automation Systems, LLC

**AGREEMENT FOR PROJECT SERVICES**
**BETWEEN THE CITY OF REDONDO BEACH**
**AND MARK GROH**

THIS AGREEMENT FOR PROJECT SERVICES (this "Agreement") is made between the City of Redondo Beach, a chartered municipal corporation ("City") and Mark Groh, an individual ("Contractor" or "Consultant").

The parties hereby agree as follows:

A. Description of Project or Scope of Services. The project description or scope of services to be provided by Contractor, and any corresponding responsibilities of City or services required to be performed by City are set forth in Exhibit "A".

B. Term and Time of Completion. Contractor shall commence and complete the project or services described in Exhibit "A" in accordance with the schedule set forth in Exhibit "B".

C. Compensation. City agrees to pay Contractor for work performed in accordance with Exhibit "C".

D. Insurance. Contractor shall adhere to the insurance requirements outlined in Exhibit "D", unless otherwise waived by the City's Risk Manager.

* * * * *

**GENERAL PROVISIONS**

1. Independent Contractor. Contractor acknowledges, represents and warrants that Contractor is not a regular or temporary employee, officer, agent, joint venturer or partner of the City, but rather an independent contractor. This Agreement shall not be construed as a contract of employment. Contractor shall have no rights to any benefits which accrue to City employees unless otherwise expressly provided in this Agreement. Due to the independent contractor relationship created by this Agreement, the City shall not withhold state or federal income taxes, the reporting of which shall be Contractor's sole responsibility.

2. Brokers. Contractor acknowledges, represents and warrants that Contractor has not hired, retained or agreed to pay any entity or person any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the award or making of this Agreement.

3. City Property. All plans, drawings, reports, calculations, data, specifications, videos, graphics or other materials prepared for or obtained pursuant to this Agreement shall upon request be delivered to the City within a reasonable time,

and the rights thereto shall be deemed assigned to the City. If applicable, Contractor shall prepare check prints upon request. Said plans, drawings, reports, calculations, data, specifications, videos, graphics or other materials shall be specific for the project herein and shall not be used by the City for any other project without Contractor's consent. Notwithstanding the foregoing, Contractor shall not be obligated to assign any proprietary software or data developed by or at the direction of Contractor for Contractor's own use; provided, however, that Contractor shall, pursuant to Paragraph 14 below, indemnify, defend and hold the City harmless from and against any discovery or Public Records Act request seeking the disclosure of any such proprietary software or data.

4. Inspection. If the services set forth in Exhibit "A" shall be performed on City or other public property, the City shall have the right to inspect such work without notice. If such services shall not be performed on City or other public property, the City shall have the right to inspect such work upon reasonable notice. Inspections by the City shall not relieve or minimize the responsibility of Contractor to conduct any inspections Contractor has agreed to perform pursuant to the terms of this Agreement. Contractor shall be solely liable for said inspections performed by Contractor. Contractor shall certify in writing to the City as to the completeness and accuracy of each inspection required to be conducted by Contractor hereunder.

5. Services. The project or services set forth in Exhibit "A" shall be performed to the full satisfaction and approval of the City. In the event that the project or services set forth in Exhibit "A" are itemized by price in Exhibit "C", the City in its sole discretion may, upon notice to Contractor, delete certain items or services set forth in Exhibit "A", in which case there shall be a corresponding reduction in the amount of compensation paid to Contractor. City shall furnish Contractor, to the extent available, with any City standards, details, specifications and regulations applicable to the Project and necessary for the performance of Contractor's services hereunder. Notwithstanding the foregoing, any and all additional data necessary for design shall be the responsibility of Contractor.

6. Records. Contractor, including any of its subcontractors, shall maintain full and complete documents and records, including accounting records, employee time sheets, work papers, and correspondence pertaining to the project or services set forth in Exhibit "A". Contractor, including any of its subcontractors, shall make such documents and records available for City review or audit upon request and reasonable notice, and shall keep such documents and records, for at least four (4) years after Contractor's completion of performance of this Agreement. Copies of all pertinent reports and correspondence shall be furnished to the City for its files.

7. Changes and Extra Work. Unless otherwise provided herein, all changes and/or extra work under this Agreement shall be provided for by a subsequent written amendment executed by City and Contractor.

8. Additional Assistance. If this Agreement requires Contractor to prepare plans and specifications, Contractor shall provide assistance as necessary to resolve any questions regarding such plans and specifications that may arise during the period of advertising for bids, and Contractor shall issue any necessary addenda to the plans and specifications as requested. In the event Contractor is of the opinion that City's requests for addenda and assistance is outside the scope of normal services, the parties shall proceed in accordance with the changes and extra work provisions of this Agreement.

9. Professional Ability. Contractor acknowledges, represents and warrants that Contractor is skilled and able to competently provide the services hereunder, and possesses all professional licenses, certifications, and approvals necessary to engage in its occupation. City has relied upon the professional ability and training of Contractor as a material inducement to enter into this Agreement. Contractor shall perform in accordance with generally accepted professional practices and standards of Contractor's profession.

10. Business License. Contractor shall obtain a Redondo Beach Business License before performing any services required under this Agreement. The failure to so obtain such license shall be a material breach of this Agreement and grounds for immediate termination by City; provided, however, that City may waive the business license requirement in writing under unusual circumstances without necessitating any modification of this Agreement to reflect such waiver.

11. Termination Without Default. Notwithstanding any provision herein to the contrary, either party may, in its sole and absolute discretion and without cause, terminate this Agreement upon at least sixty (60) days' prior written notice to the other party. In the event of any such termination, Contractor shall be compensated for: (1) all authorized work satisfactorily performed prior to the effective date of termination; and (2) necessary materials or services of others ordered by Contractor for this Agreement prior to Contractor's receipt of notice of termination, irrespective of whether such materials or services of others have actually been delivered, and further provided that Contractor is not able to cancel such orders. Compensation for Contractor in such event shall be determined by the City in accordance with the percentage of the project or services completed by Contractor; and all of Contractor's finished or unfinished work product through the time of the City's last payment shall be transferred and assigned to the City. In conjunction with any termination of this Agreement, the City may, at its own expense, make copies or extract information from any notes, sketches, computations, drawings, and specifications or other data, whether complete or not.

12. Termination in the Event of Default. Should Contractor fail to perform any of its obligations hereunder, within the time and in the manner provided or otherwise violate any of the terms of this Agreement, the City may immediately terminate this Agreement by giving written notice of such termination, stating the reasons for such termination. Contractor shall be compensated as provided immediately above, provided, however, there shall be deducted from such amount the amount of damages, if any, sustained by the City by virtue of Contractor's breach of this Agreement.

13. Conflict of Interest. Contractor acknowledges, represents and warrants that Contractor shall avoid all conflicts of interest (as defined under any federal, state or local statute, rule or regulation, or at common law) with respect to this Agreement. Contractor further acknowledges, represents and warrants that Contractor has no business relationship or arrangement of any kind with any City official or employee with respect to this Agreement. Contractor acknowledges that in the event that Contractor shall be found by any judicial or administrative body to have any conflict of interest (as defined above) with respect to this Agreement, all consideration received under this Agreement shall be forfeited and returned to City forthwith. This provision shall survive the termination of this Agreement for one (1) year.

14. Indemnity. To the maximum extent permitted by law, Contractor hereby agrees, at its sole cost and expense, to defend, protect, indemnify, and hold harmless the City, its elected and appointed officials, officers, employees, volunteers, attorneys, and agents (collectively "Indemnitees") from and against any and all claims, including, without limitation, claims for bodily injury, death or damage to property, demands, charges, obligations, damages, causes of action, proceedings, suits, losses, stop payment notices, judgments, fines, liens, penalties, liabilities, costs and expenses of every kind and nature whatsoever, in any manner arising out of:

a. Contractor's breach of this Agreement;
b. Contractor's violation of any current or prospective law;
c. The negligent acts, errors, or omissions of Contractor, its officers, agents, employees, Subcontractors; or
d. Contractor's gross negligence or willful misconduct.

The indemnity shall not apply to the extent a claim arises from the sole negligence or willful misconduct of the City. Nothing in this Agreement shall be construed to impair or compromise the independence of the hearing officer as required by California Vehicle Code § 40215(c)(3). Contractor's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Contractor or Indemnitees. This indemnification obligation shall survive this Agreement and shall not be limited by any term of any insurance policy required under this Agreement.

e. Nonwaiver of Rights. Indemnitees do not and shall not waive any rights that they may possess against Contractor because the acceptance by City, or the deposit with City, of any insurance policy or certificate required pursuant to this Agreement.

f. Waiver of Right of Subrogation. Contractor, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees.

15. Insurance. Contractor shall comply with the requirements set forth in Exhibit "D". Insurance requirements that are waived by the City's Risk Manager do not require amendments or revisions to this Agreement.

16. Non-Liability of Officials and Employees of the City. No official or employee of the City shall be personally liable for any default or liability under this Agreement.

17. Compliance with Laws. Contractor shall comply with all federal, state and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals, with respect to this Agreement, including without limitation all environmental laws, and employment laws.

18. Non-Discrimination. Contractor shall comply with all applicable federal, state, and local laws, ordinances, regulations, and codes prohibiting discrimination, including but not limited to the Civil Rights Act of 1964, the Americans with Disabilities Act of 1990, and the California Fair Employment and Housing Act. Contractor shall not discriminate against any employee or applicant for employment on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, military and veteran status, or any other legally protected characteristic. Contractor shall ensure that the evaluation and treatment of its employees and applicants for employment are free from such discrimination and harassment. Contractor shall include a similar non-discrimination provision in all subcontracts related to the performance of this Agreement.

19. Limitations upon Subcontracting and Assignment. Contractor acknowledges that the services which Contractor shall provide under this Agreement are unique, personal services which, except as otherwise provided herein, Contractor shall not assign or sublet to any other party without the prior written approval of City, which approval may be withheld in the City's sole and absolute discretion. In the event that the City, in writing, approves any assignment or subletting of this Agreement or the retention of subcontractors by Contractor, Contractor shall provide to the City upon request copies of each and every subcontract prior to the execution thereof by Contractor and subcontractor. Any attempt by Contractor to assign any or all of its rights under this Agreement without first

obtaining the City's prior written consent shall constitute a material default under this Agreement.

The sale, assignment, transfer or other disposition, on a cumulative basis, of twenty-five percent (25%) or more of the ownership interest in Contractor or twenty-five percent (25%) or more the voting control of Contractor (whether Contractor is a corporation, limited liability company, partnership, joint venture or otherwise) shall constitute an assignment for purposes of this Agreement. Further, the involvement of Contractor or its assets in any transaction or series of transactions (by way of merger, sale, acquisition, financing, transfer, leveraged buyout or otherwise), whether or not a formal assignment or hypothecation of this Agreement or Contractor's assets occurs, which reduces Contractor's assets or net worth by twenty-five percent (25%) or more shall also constitute an assignment for purposes of this Agreement.

20. Subcontractors. Contractor shall provide properly skilled professional and technical personnel to perform any approved subcontracting duties. Contractor shall not engage the services of any person or persons now employed by the City without the prior written approval of City, which approval may be withheld in the City's sole and absolute discretion.

21. Integration. This Agreement constitutes the entire agreement between the parties concerning the subject matter hereof and supersedes any previous oral or written agreement; provided, however, that correspondence or documents exchanged between Contractor and City may be used to assist in the interpretation of the exhibits to this Agreement.

22. Amendment. This Agreement may be amended or modified only by a subsequent written amendment executed by both parties.

23. Conflicting Provisions. In the event of a conflict between the terms and conditions of this Agreement and those of any exhibit or attachment hereto, this Agreement proper shall prevail. In the event of a conflict between the terms and conditions of any two or more exhibits or attachments hereto, those prepared by the City shall prevail over those prepared by Contractor.

24. Non-Exclusivity. Notwithstanding any provision herein to the contrary, the services provided by Contractor hereunder shall be non-exclusive, and City reserves the right to employ other contractors in connection with the project.

25. Exhibits. All exhibits hereto are made a part hereof and incorporated herein by reference; provided, however, that any language in Exhibit "A" which does not pertain to the project description, proposal, or scope of services (as applicable) to be provided by Contractor, or any corresponding responsibilities of City, shall be deemed extraneous to, and not a part of, this Agreement.

26. Time of Essence. Time is of the essence of this Agreement.

27. Confidentiality. To the extent permissible under law, Contractor shall keep confidential its obligations hereunder and the information acquired during the performance of the project or services hereunder.

28. Third Parties. Nothing herein shall be interpreted as creating any rights or benefits in any third parties. For purposes hereof, transferees or assignees as permitted under this Agreement shall not be considered "third parties."

29. Governing Law and Venue. This Agreement shall be construed in accordance with the laws of the State of California without regard to principles of conflicts of law. Venue for any litigation or other action arising hereunder shall reside exclusively in the Superior Court of the County of Los Angeles, Southwest Judicial District.

30. Attorneys' Fees. In the event either party to this Agreement brings any action to enforce or interpret this Agreement, the prevailing party in such action shall be entitled to reasonable attorneys' fees (including expert witness fees) and costs. This provision shall survive the termination of this Agreement.

31. Claims. Any claim by Contractor against City hereunder shall be subject to Government Code §§ 810 *et seq*. The claims presentation provisions of said Act are hereby modified such that the presentation of all claims hereunder to the City shall be waived if not made within six (6) months after accrual of the cause of action.

32. Interpretation. Contractor acknowledges that it has had ample opportunity to seek legal advice with respect to the negotiation of this Agreement. This Agreement shall be interpreted as if drafted by both parties.

33. Warranty. In the event that any product shall be provided to the City as part of this Agreement, Contractor warrants as follows: Contractor possesses good title to the product and the right to transfer the product to City; the product shall be delivered to the City free from any security interest or other lien; the product meets all specifications contained herein; the product shall be free from material defects in materials and workmanship under normal use for a period of one (1) year from the date of delivery; and the product shall be fit for its intended purpose(s). Notwithstanding the foregoing, consumable and maintenance items (such as light bulbs and batteries) shall be warranted for a period of thirty (30) days from the date of delivery. All repairs during the warranty period shall be promptly performed by Contractor, at Contractor's expense, including shipping. Contractor shall not be liable under this warranty for an amount greater than the amount set forth in Exhibit "C" hereto.

34. Severance. Any provision of this Agreement that is found invalid or unenforceable shall be deemed severed and all remaining provisions of this Agreement shall remain enforceable to the fullest extent permitted by law.

35. Authority. City warrants and represents that upon City Council approval, the Mayor of the City of Redondo Beach is duly authorized to enter into and execute this Agreement on behalf of City. The party signing on behalf of Contractor warrants and represents that he or she is duly authorized to enter into and execute this Agreement on behalf of Contractor, and shall be personally liable to City if he or she is not duly authorized to enter into and execute this Agreement on behalf of Contractor.

36. Waiver. The waiver by the City of any breach of any term or provision of this Agreement shall not be construed as a waiver of any subsequent breach.

*SIGNATURES FOLLOW ON NEXT PAGE*

IN WITNESS WHEREOF, the parties have executed this Agreement in Redondo Beach, California, as of this 4th day of November, 2025.

CITY OF REDONDO BEACH,
a chartered municipal corporation

_____
James A. Light, Mayor

MARK GROH,
an individual

Signed by:
Mark L. Groh
C9D88220EB194BE...

By: _____
Name: Mark L. Groh
Title: Independent Hearing Examiner

ATTEST:

_____
Eleanor Manzano, City Clerk

APPROVED:

Signed by:
Diane Strickfaden
ABED8CF35EEF48C...

_____
Diane Strickfaden, Risk Manager

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

## EXHIBIT "A"

## SCOPE OF SERVICES

### A. CONTRACTOR'S DUTIES

1. Contractor shall provide parking citation adjudication services in full compliance with California Vehicle Code ("CVC") §§ 40215(b) and 40215(c).

2. Contractor certifies that its personnel possess the knowledge and experience necessary to ensure proper and complete adjudication of each citation consistent with applicable law.

3. Contractor shall conduct adjudication hearings once per month on a regularly scheduled day agreed upon by both Contractor and the City.

4. Contractor shall provide the City with at least seven (7) days' notice if Contractor needs to reschedule a hearing session to a non-recurring date. If less notice is provided, Contractor shall not be entitled to the monthly fee described in Exhibit "C".

5. Contractor shall conduct adjudication hearing sessions virtually by video conference on an ADA compliant platform accessible to all participants. Should an in-person session be required, arrangements will be made on a case-by-case basis between Contractor and the City.

6. Contractor shall enter decisions directly into the City's parking citation management digital appeal system (currently Turbo Data Systems "eAppeals" or a successor system designated by the City) within ten (10) business days following the hearing date.

7. For any dismissed citation, Contractor shall provide the legal grounds in writing, sufficient for City training purposes and/or corrective action (including correct signage or other traffic control device changes).

8. Contractor shall provide telephone support to City personnel Monday through Friday between 8:00 a.m. through 4:30 p.m. Pacific Time (excluding Federal holidays) at no additional cost.

### B. CITY'S DUTIES

The City reserves the right to cancel a monthly hearing date with at least seven (7) days' notice if there are fewer than five (5) appeals filed for that month. In such case, Contractor shall not be entitled to the monthly session fee provided in Exhibit "C". The

City may defer such appeals to the following month, but appeals shall not be rescheduled more than once.

## EXHIBIT “B”

## TERM AND TIME OF COMPLETION

**TERM.** This agreement shall commence on November 4, 2025, and shall continue until November 3, 2028, unless otherwise terminated as herein provided.

## EXHIBIT "C"

## COMPENSATION

Provided Contractor is not in default under this Agreement, Contractor shall be compensated as provided below.

A. **AMOUNT.** Contractor shall be compensated as follows:

1. $28.00 per individual citation hearing conducted for in-person, virtual meeting, or written declaration.
2. $280 minimum per scheduled monthly virtual meeting session which includes up to 10 individual citation hearings, only if the session is held and not rescheduled under Section A.4 or cancelled under Section B of Exhibit "A". Each citation hearing above 10 shall be billed at the individual rate in Section A.1. of this Exhibit.
3. $280 minimum per session for in-person hearings, only if required, up to 10 individual citation hearings. Each citation hearing above 10 shall be billed at the individual rate in Section A.1. of this Exhibit.
4. For clarity, a City deferral under Section B of Exhibit "A", that results in no hearing session being held in that calendar month constitutes a cancellation for purposes of the minimum session fee.

B. **NOT TO EXCEED AMOUNT.** In no event shall the total compensation paid to Contractor exceed $16,800 during the Term.

C. **METHOD OF PAYMENT.** Contractor shall provide monthly invoices to City for approval and payment after services are rendered. Invoices must be dated, itemized, uniquely numbered, addressed to the appropriate City department, and include:

1. Session date(s)
2. Description of services performed
3. Number of appeals heard
4. Per hearing subtotal
5. Monthly session fee (if not cancelled)

Invoices must be itemized, adequately detailed, based on accurate records, and if applicable, attach subcontractor invoices. Invoices must be in a form reasonably satisfactory to City. Contractor may be required to provide back-up material upon request.

Invoices shall be submitted to:

Mail: Redondo Beach Police Department
Accounts Payable
401 Diamond St.
Redondo Beach, CA 90277

Email: Lina Carrillo, Senior Management Analyst
lina.carrillo@redondo.org

D. **SCHEDULE FOR PAYMENT.** City agrees to pay Contractor within thirty (30) days of receipt of invoice; provided that the services are completed to the City's reasonable satisfaction and there is no dispute over the amount.

E. **NOTICE.** Written notices to City and Contractor shall be given by registered or certified mail, postage prepaid, email, or personally served, and addressed to the following parties.

Contractor: Mark Groh
5481 Vallecito Avenue
Westminster, CA 92683
Email: mark@markgroh.com

City: City of Redondo Beach
Police Department
401 Diamond Street
Redondo Beach, CA 90277
Attn: Lina Carrillo, Senior Management Analyst
Email: lina.carrillo@redondo.org

All notices, including notices of address changes, provided under this Agreement are deemed received as follows: (1) on the second business day after emailing, provided that no "bounce-back" or similar message indicating non-delivery is received; (2) on the third day after mailing if sent by registered or certified mail; or (3) upon personal delivery. Changes in the respective address set forth above may be made from time to time by any party upon written notice to the other party in accordance with this section.

## EXHIBIT "D"

## INSURANCE REQUIREMENTS FOR CONTRACTORS

Without limiting Contractor's indemnification obligations under this Agreement, Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, its agents, representatives, or employees.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).

Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 (any auto).

Workers' Compensation insurance as required by the State of California.

Employer's Liability Insurance.

Minimum Limits of Insurance

Contractor shall maintain limits no less than:

General Liability: $2,000,000 per occurrence for bodily injury, personal injury and property damage. The general aggregate limit shall apply separately to this project.

Automobile Liability: $1,000,000 per accident for bodily injury and property damage.

Employer's Liability: $1,000,000 per accident for bodily injury or disease.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers or (2) the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies shall contain, or be endorsed to contain, the following provisions:

Additional Insured Endorsement:

General Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of work performed by or on behalf of the Contractor. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance, or as a separate owner's policy.

Automobile Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Contractor.

For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the City, its officers, elected and appointed officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

Each insurance policy shall be endorsed to state that the inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverages afforded shall apply as though separate policies had been issued to each insured.

Each insurance policy shall be in effect prior to awarding the contract and each insurance policy or a successor policy shall be in effect for the duration of the project. The maintenance of proper insurance coverage is a material element of the contract and failure to maintain or renew coverage or to provide evidence of renewal may be treated by the City as a material breach of contract on the Contractor's part.

Acceptability of Insurers

Insurance shall be placed with insurers with a current A.M. Best's rating of no less than A:VII and which are authorized to transact insurance business in the State of California by the Department of Insurance.

Verification of Coverage

Contractor shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on the City authorized forms provided with the contract specifications. Standard ISO forms which shall be subject to City approval and amended to conform to the City's requirements may be acceptable in lieu of City authorized forms. All certificates and endorsements shall be received and approved by the City before the contract is awarded. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Subcontractors

Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

Risk Management

Contractor acknowledges that insurance underwriting standards and practices are subject to change, and the City reserves the right to make changes to these provisions in the reasonable discretion of its Risk Manager.

ACORD®

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/15/2025

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

| | |
|---|---|
| **PRODUCER**<br>PIA Select Insurance Solutions.- Service Location<br>1938 Vista Del Oro<br>Santa Maria CA 93458 | **CONTACT NAME:** Lynette (Lynn) Eye<br>**PHONE (A/C, No, Ext):** 805-975-3531 **FAX (A/C, No):**<br>**E-MAIL ADDRESS:** lynn.eye@piaselect.com |
| **INSURED**<br>Mark Groh<br>5481 Vallecito Ave.<br>Westminster CA 92683-2836 | **INSURER(S) AFFORDING COVERAGE** — **NAIC #**<br>**INSURER A :** Hiscox Insurance Company — 10200<br>**INSURER B :** Scottsdale Indemnity Company — 15580<br>**INSURER C :**<br>**INSURER D :**<br>**INSURER E :**<br>**INSURER F :** |

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | [X] COMMERCIAL GENERAL LIABILITY<br>[ ] CLAIMS-MADE [X] OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>[ ] POLICY [ ] PRO-JECT [ ] LOC<br>[ ] OTHER: | Y | | SBGL000805-05 | 07/06/2025 | 07/06/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG<br>[ ] | $ 3,000,000<br>$ 100,000<br>$ 5,000<br>$ Excluded<br>$ 3,000,000<br>$ 3,000,000<br>$ |
| A | AUTOMOBILE LIABILITY<br>[ ] ANY AUTO<br>[ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS<br>[X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY | | | SBGL000805-05 | 07/06/2025 | 07/06/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident)<br>[ ] | $ 2,000,000<br>$<br>$<br>$<br>$ |
| | [ ] UMBRELLA LIAB [ ] OCCUR<br>[ ] EXCESS LIAB [ ] CLAIMS-MADE<br>[ ] DED [ ] RETENTION $ | | | | | | EACH OCCURRENCE<br>AGGREGATE<br>[ ] | $<br>$<br>$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N<br>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] N / A<br>(Mandatory in NH)<br>If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | [ ] PER STATUTE [ ] OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | <br>$<br>$<br>$ |
| B | Professional Liability | | | EKI3578349 | 07/11/2025 | 07/11/2026 | Limit:<br>Aggregate:<br>Deductible: | $1,000,000<br>$1,000,000<br>$2,500 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**

The City, its officers, elected and appointed officials, employees, and volunteers are to be covered as additional insureds with respect to liability arising out of work performed by or on behalf of the named insured.

**CERTIFICATE HOLDER**

City of Redondo Beach
415 Diamond St.
Redondo Beach CA 90277

**CANCELLATION**

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**

Lynette Eye

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STREAMLINE
AUTOMATION SYSTEMS

**LICENSE AND SERVICE AGREEMENT**

This License and Service Agreement (the "Agreement") is entered into as of November 22, 2025 (the "Effective Date") by and between the following parties: Streamline Automation Systems, LLC ("Streamline" and "Company"), with its principal place of business at 2271 Lava Ridge Court, Suite 120, Roseville, CA 95661, on the one hand; and the ***CITY OF REDONDO BEACH*** (the "Client"), with its principal place of business at ***401 S. BROADWAY REDONDO BEACH, CA 90277,*** on the other hand. Streamline and Client are sometimes referred to hereafter individually as "Party" and collectively as "Parties."

**RECITALS**

A. Streamline is a California limited liability company that is in good standing with the California Secretary of State.

B. Streamline is in the business of providing licensing and hosting services with respect to its Licensed Property (as defined in Section 1.1) and Streamline Supplied Software (as defined in Exhibits A and B).

C. The Parties have reached certain agreements and an understanding by and between themselves regarding the licensing and hosting of its Licensed Property as more specifically set forth below.

**OPERATIVE PROVISIONS**

NOW THEREFORE, FOR VALUABLE CONSIDERATION, THE PARTIES AGREE AS FOLLOWS:

ARTICLE 1
LICENSING AND SERVICE

1.1 Licensed Product. Streamline's software, object code versions of software, mobile device software (i.e. app) platform, and related items (collectively, the "Licensed Property") shall be the subject matter of this Agreement. The Licensed Property is more specifically set forth in **Exhibit A**.

1.2 Term. This Agreement shall, unless terminated sooner as provided in this Agreement, be in effect for a one (1) year period commencing on November 22, 2025 and ending one year after this date (the "Initial Term"). This Agreement shall automatically renew for successive one (1) year terms, not to exceed two total terms of the agreement (the "Extension Terms") under the same terms as provided for in this Agreement unless and until either Party gives written notice to the other Party (in accordance with Section 6.14) of its intent to cancel this Agreement at least thirty (30) days in advance of the then current expiration date of the applicable Initial Term or Extension Term. The Initial Term and any applicable Extension Term(s) shall collectively be referred to herein as the "Term."

1.3 Grant of Rights by Streamline. Subject to Section 6.8 and Article 2, Streamline hereby grants to Client the non-exclusive, worldwide, non-transferable right and license to use the Licensed Property solely for its business purpose for the Term under the specific terms as more specifically set forth hereafter. Client shall not, and shall not permit others to perform the following:

1.3.1 Modify, copy, or otherwise reproduce the Licensed Property;

1.3.2 Reverse engineer, decompile, disassemble, or otherwise attempt to derive any source code for or structure of the Licensed Property; and

1.3.3 Distribute, sublicense, assign, share, sell, lease, securitize, or otherwise transfer the Licensed Product or Client's right to use the Licensed Product.

1.3.3.1 Client will be held in material breach of this Agreement should Client perform any of the following actions provided in Sections 1.3.1, 1.3.2, and 1.3.3 above.

1.3.3.2 All rights not expressly granted to Client are reserved by Streamline or Streamline's licensors for their exclusive benefit.

1.3.3.3 Client shall provide a list of all individuals employed, contracted, or otherwise associated with Client (individually "User" and collectively "Users") and using the Licensed Product within fourteen (14) days of the Client executing this Agreement. Client shall be required to immediately notify Streamline in writing as to any changes in the number of Users.

1.4 Service. Streamline shall provide Client a hosting solution (the "Hosting Solution" or "Solution"), the specifications of which are set forth in **Exhibit A** ("Hosting Services"), as well as any additional services requested by Client that Streamline can provide, including, but not limited to emergency medical service, inspection or emergency response cost recovery billing services. Any such additional services requested by Client will be memorialized in writing and added as an Exhibit to this Agreement upon acceptance by Streamline.

The terms and availability of the Hosting Services and Solution is more specifically set forth in Article 4. Any future services, in addition to the Hosting Services, that the Parties agree to ("Additional Services"), shall be set forth in a separate written amendment and shall at such time be incorporated into, and become part of this Agreement. The licensing of the Licensed Product as set forth in Section 1.3, the Hosting Services, and the Additional Services shall hereinafter collectively be referred to as the "Service(s)".

1.4.1 Statement of Work. The scope of Services, including but not limited to system functionality, implementation timeline, and additional specifications, shall be as set forth in Exhibit C (the "Statement of Work" of "SOW"). The SOW is incorporated herein by reference and made a part of this Agreement.

1.5 License and Service Fee. Client shall be billed via invoice in advance for all applicable fees, including licensing and Service fees, for the following year, which specifications are more specifically set forth in **Exhibit B** (the "Annual Service and Licensing Fees" or "ASLF"). Invoices for ASLF shall be issued on the "Annual Remittance Date" specified in Exhibit B. Payment of the first ASLF shall be made by Client within sixty (60) days

of Client's receipt of the invoice following the execution of this Agreement by all applicable Parties. All future installments of ASLF after the first has been paid shall be due and payable within sixty (60) days of Client's receipt of each respective invoice. In addition to the License and Service Fees set forth in this Agreement, the Client will be responsible for paying any federal, state, or local taxes related to this Agreement as they become due.

1.6 Failure to Pay ASLF. In the event that Client fails to pay the ASLF by the due date specified in Section 1.5, or if there is any delinquency in the Client's account, Streamline shall provide Client with a thirty (30) day grace period to cure such non-payment. If the ASLF remains unpaid after the grace period, Streamline reserves the right to terminate the Agreement and discontinue or suspend all Services to Client, following an additional sixty (60) days' written notice provided via email or registered mail.

1.7 Reserved.

1.8 Accepted Use Policy. Client may only use the Services for lawful purposes. In the event Streamline reasonably believes the Service is being used by Client: (a) for any illegal activity; (b) in contravention of any of the terms and provisions of this Agreement; or (c) in contravention of Streamline's Acceptable Use Policy as may be posted from time to time (the "AUP"), then upon such occurrence, Streamline shall have sole and absolute discretion to immediately suspend Service to Client without liability for actual compensatory or consequential damages to Client for any interruption in Service within ten (10) business days after providing written notice and a request to cure, which notice shall specify Streamline's good faith and reasonable belief as to why the Service is being used in contravention of this Agreement or the AUP.

1.9 HIPAA DISCLAIMER: You may NOT use the Streamline Inspections software application and the cloud-based inspection platform for hosting "protected health information" as that term is used in the Health Insurance Portability and Accountability Act ("HIPAA"). Streamline Inspections software is NOT HIPAA compliant and was not designed for storage of information which is protected under applicable HIPAA rules. Users are solely responsible for any applicable compliance with federal and state laws governing privacy and security of personal data including medical and other sensitive data. The Software is designed solely for fire inspection and billing purposes, and the Parties acknowledge that no Protected Health Information (PHI) is transmitted. Therefore, HIPAA compliance is not applicable to this Agreement. We specifically disclaim any representation or warrant that the Software, as offered, complies with the federal HIPAA guidelines. Use of the Software for storage of "protected health information" as defined by HIPAA is a material violation of this Agreement. We do not sign "Business Associate Agreements" and the user of the Software agrees that the Company is not a Business Associate or subcontractor or agent of yours pursuant to HIPAA.

1.10 No Lease. This Agreement is a license and services agreement and is not intended to and shall not constitute a lease of any real or personal property.

ARTICLE 2
TERMINATION

2.1 Termination for Cause. In the event Client or Streamline breaches any material provision of this Agreement and fails to cure such breach within thirty (30) days after written notice thereof, the non-breaching Party may terminate this Agreement immediately by written notice to the other Party. In the event that Client or Streamline: (a) becomes insolvent; (b) files a petition for bankruptcy relief, or has such a petition filed against it (and fails to lift any stay imposed thereby within sixty (60) days after such stay becomes effective); (c) has a receiver appointed with respect to all or substantially all of its assets; (d) makes an assignment for the benefit of creditors; (e) failure to pay ASLF as set forth under Section 1.6; (f) failure to abide by the licensing restrictions set forth under Section 1.3 or Section 1.4; or (g) ceases to do business in the ordinary course; then the other Party may terminate this Agreement immediately by written notice.

2.2 Rights upon Termination for Cause. In the event this Agreement is terminated by Streamline for cause, Client shall pay on a pro-rated basis only for services actually rendered up to the termination date.

2.3 Reserved.

2.4 Reserved.

2.5 Rights upon Termination without Cause. In the event this Agreement is terminated upon thirty (30) day notice as set forth herein, Client shall pay Streamline for all undisputed Services provided to Client up to and including the date of termination.

2.6 Backup of Content. Streamline shall securely delete Client's data within thirty (30) days of Client's written request confirming receipt of data.

ARTICLE 3
REPRESENTATIONS AND WARRANTIES

3.1 Streamline Representations. Streamline represents and warrants that it:

3.1.1 Shall provide the Services in reasonable conformance with the specifications set forth in this Agreement and the Exhibits;

3.1.2 Shall provide the Services in a reasonably professional manner;

3.1.3 Has not and shall not infringe(d) upon or misappropriate(d) any third party's copyright, patents, trade secrets, trademark, trade name, or other proprietary or intellectual property right with respect to the Services; and

3.1.4 Own(s), or has the authority to use, all hardware, software and other materials necessary to provide the Services described herein.

3.1.5 Streamline acknowledges that Client retains sole ownership of all data entered into the Licensed Product by or on behalf of Client. Upon Client's written request, including at the termination or expiration of this Agreement, Streamline shall at no additional cost and within five (5) business days of Client's written request, provide Client with a complete export of all Client data in a SQL database format, consistent with the Statement of Work, and other standard formats (e.g., CSV, JSON) as requested. The data shall be provided in a MSSQL Database backup. Streamline shall securely delete Client's data within thirty (30) days of Client's written request.

3.2 Client Representations. Client and the undersigned signatory for Client represents and warrants that he/she/it:

3.2.1 Own(s), or has the authority to use, all hardware, software and other materials regarding the Client Supplied Software;

3.2.2 Has full authority to enter into this Agreement on behalf of Client;

3.2.3 Shall not use the Services in violation of Section 1.9;

3.2.4 Acknowledges and agrees that Streamline has no control of availability of Services on a continuous or uninterrupted basis.

3.2.5 Acknowledges and agrees that from time to time the Services may be inaccessible or inoperable for causes beyond Streamline's reasonable control.

3.2.6 Acknowledges and agrees that Streamline does not guarantee the integrity of data stored or transmitted via Client's system/hardware or via the Internet.

3.2.7 Acknowledges and agrees that Streamline shall not be liable for the inadvertent disclosure of, or corruption or erasure of data transmitted or received or stored on Client's system, unless caused by the negligence, gross negligence, or illegal misconduct of Streamline, its employees, or anyone or anything under Streamline's reasonable control.

ARTICLE 4
SERVICE LEVEL GUARANTEES AND TERMS

4.1 Network Availability Guarantee Scope. Streamline guarantees that it shall maintain one hundred percent (100%) up time, excluding Scheduled Maintenance (as defined in Section 4.2), for facilities and the Streamline network as follows:

4.1.1 In the event one or more Client virtual servers are unable to transmit or receive information via the Internet through the front-end network as a result of disruptions to either the data center or the front-end network (a "Covered Outage"), Streamline shall, as Client's sole and exclusive remedy for failure to meet the foregoing guarantee, credit the Client's account for every five (5) consecutive minutes of such Covered Outage with a sum equal to the prorated ASLF for one (1) day of Services for the affected server(s), subject to a maximum credit during any calendar month as limited by Section 4.6 (the "Standard Service Credit"). In no event shall the Scheduled Maintenance be deemed a Covered Outage entitling Client to a Standard Service Credit.

4.2 Scheduled Maintenance Scope. "Scheduled Maintenance" shall mean any maintenance at the Streamline data center at which Client's virtual server is located, of which Client is notified at least forty-eight (48) hours in advance. Notice of Scheduled Maintenance shall be provided to Client's designated point of contact via e-mail. The standard window for service-affecting maintenance is between the hours of 12:01 a.m. and 5:00 a.m. local time on a Saturday or Sunday. Streamline shall use reasonable commercial efforts to coordinate with Client when planning any maintenance so as to minimize impact to Client and its customers. "Emergency Maintenance" shall mean any maintenance by Streamline, its subcontractors or service providers that does not meet the definition of Scheduled Maintenance.

4.3 Service Availability Guarantee Process. "Network Unavailability" shall be calculated by Streamline each calendar month, and consists of the number of minutes the Streamline network was not available to Client, and shall include unavailability associated with maintenance at the Streamline data center where Client's virtual server is located (other than Scheduled Maintenance). Outages shall be counted as Network Unavailability only if Client opens a trouble ticket with Streamline Client support within five (5) days of the outage. Network Unavailability shall not include any unavailability resulting from: (a) Scheduled Maintenance; (b) the acts or omissions of Client, or any user authorized by Client; (c) the deliberate act of Client or its customers; or (d) reasons of force majeure as set forth in Section 6.9.

4.4 Service Replacement Guarantee. If a server experiences an outage directly attributable to the failure of the Streamline system, Streamline shall restore the failed server within one (1) hour of Streamline determining that the virtual server needs to be restored (the "Streamline Hardware Availability Guarantee"). If Streamline does not restore the server within such period, Streamline shall, upon Client's written request, credit Client's account ten percent (10%) of the ASLF, and an additional ten percent (10%) of the ASLF for each additional hour over and above such one hour commitment. The Streamline Hardware Availability Guarantee shall not apply if the failure of the virtual server is as a result of an event of force majeure as set forth in Section 6.9, or if Client is in breach of the Agreement, including, but not limited to, a violation of the AUP.

4.5 Exceptions to the Credit Process. Credit shall not be issued due to failures that are, as solely determined by Streamline, in its reasonable judgment, a result of: (a) Scheduled Maintenance and/or Emergency Maintenance and upgrades; (b) violations of the AUP; or (c) Events of Force Majeure as set forth in Section 6.9.

4.6 Maximum Credits Available. The total credit available to Client in any particular calendar month shall in no event exceed the ASLF for such month.

4.7 Support. Streamline shall maintain a help desk, which shall be the primary point of contact for all queries and communications regarding service level incidents. The help desk shall be contactable by telephone at (888) 659.2249 as well as the Streamline support ticket system, and available 24 hours a day, 7 days a week, 365 days a year (366 days in a leap year).

ARTICLE 5
CONFIDENTIAL INFORMATION

5.1 Confidential Information. For purposes of this Agreement, "Confidential Information" shall mean Streamline's proprietary information, including, without limitation, information concerning patents, trademarks, copyrights, or other intellectual property licensed by Streamline, technical data, business methods, software, hardware, product formulas, designs, drawings, customers lists, marketing plans, finances, intellectual property licenses, licensed material, business methods, products, new products, marketing strategies for new products, sales figures, annual reports, financial statements, and all other information provided by Streamline to Client marked "Confidential Information". In the event that Confidential Information must be provided visually or orally, obligations of confidence shall attach only to that information. However, Confidential Information shall not include any information that (a) is or becomes generally known to the public without breach of any obligation owed to the Disclosing Party, (b) was known to the Receiving Party prior to its disclosure by the Disclosing Party without breach of any obligation owed to the Disclosing Party, (c) is received from a

third party without breach of any obligation owed to the Disclosing Party, or (d) was independently developed by the Receiving Party, (e) required to be disclosed by the Receiving Party pursuant to law, rule, regulation, subpoena, or court order, including but not limited to the California Public Records Act; (f) disclosed due to a rule, order, referral, or request, including without limitation any rule, order, referral, or request of Client's City Council; or (g) disclosed as part of the Client's customary contract approval process.

Client data entered or stored in the Licensed Product, while owned by Client, shall be treated as Confidential Information by Streamline. Streamline shall implement measures as outlined in Section 6.24.

5.2 Non-Disclosure. Client shall hold and maintain the Confidential Information in strictest confidence and in trust for the sole and exclusive benefit of Streamline, and this Agreement creates no obligation on Streamline to disclose any of its Confidential Information. Client shall not, without the prior written approval of the Streamline, use for its own benefit, publish or otherwise disclose to others, or permit the use by others for their benefit, or to the detriment of Streamline, any of the Confidential Information. Client shall carefully restrict access to the Confidential Information to those of its employees who clearly need such access. Client further warrants and represents that it shall advise each of the persons to whom it provides access to any of the Confidential Information pursuant to the foregoing sentence that such persons are prohibited from making any use, publishing or otherwise disclosing to others, or permitting others to use for their benefit, or to the detriment of Streamline, any of the Confidential Information. Client shall take all necessary action to protect the confidentiality of the Confidential Information, which obligation to protect such confidentiality shall last indefinitely, except for its disclosure pursuant to this Section 5.2, and hereby agrees to indemnify Streamline against any and all losses, damages, claims, or expenses incurred or suffered by Streamline as a result of Client's breach of this Section 5.2. Client represents and warrants that no Confidential Information, or any portion thereof, shall be exported to any country in violation of the United States Administration Act and all regulations thereunder.

5.3 Reserved.

5.4 Return of Confidential Information. Any materials or documents which have been furnished by Streamline to Client shall be promptly returned, accompanied by all copies of such documentation, after the termination of this Agreement, or at any time upon Streamline's request. No copies of Confidential Information may be made unless approved in writing by Streamline.

## ARTICLE 6
## MISCELLANEOUS

6.1 Entire Agreement. This Agreement constitutes the entire agreement between the Parties pertaining to the subject matter contained herein, and shall supersede all prior and contemporaneous agreements, representations and understandings of the Parties regarding such subject matter including, but not limited to, oral agreements.

6.2 Binding Effect. This Agreement shall be binding on the Parties to this Agreement, and their heirs, executors, administrators, personal representatives, successors, and assigns.

6.3 Recitals. Each of the statements set forth in the Recitals portion of this Agreement shall be deemed for all purposes to be included in the Operative Provisions of this Agreement.

6.4 Exhibits, Sections, and Articles. Any references to Exhibits, Sections, or Articles refer to the actual Exhibits, Sections, and Articles within this Agreement.

6.5 Incorporation. All Exhibits and documents referenced herein are incorporated herein by their specific reference and made a part hereof.

6.6 Waiver. A Party's failure to insist on compliance or enforcement of any provision of this Agreement shall not affect the validity or enforcement, or constitute a waiver of future enforcement, of that provision or of any other provision of this Agreement by that Party or any other Party.

6.7 Modification. Except as otherwise specifically provided herein, no alteration, modification or interpretation of this Agreement shall be binding unless in writing and signed by all of the Parties.

6.8 Assignment. Except as otherwise specifically provided herein, all of the rights and obligations of the Parties set forth herein are personal to the Parties and none of the Parties may assign his/her/its rights nor delegate his/her/its duties hereunder to any other Party without the express, prior, written consent of the other Parties. Notwithstanding the previous sentence, Streamline may transfer or assign its rights and obligations under this Agreement to a subsidiary or entity controlling, controlled by or under common control with Streamline or to an entity that acquires Streamline by merger or purchase of all or substantially all of Streamline's assets.

6.9 Force Majeure. Neither party shall be in default of its obligations to the extent its performance is delayed or prevented by causes beyond its control, including but not limited to acts of God, earthquake, flood, embargo, riots, fire, acts of war, acts of terror, radiological, nuclear, chemical, or biological attack, or spread of infectious disease, a new and unforeseeable law or court order that prohibits a party's performance or imposes a substantial and commercially unreasonable burden on a party's performance, or the unavailability of third-party telecommunications or services (after taking all commercially reasonable steps to provide substitutes therefore). Notwithstanding the foregoing, Force Majeure Events shall not include events that are foreseeable or preventable through the exercise of reasonable diligence. The party claiming force majeure shall provide prompt written notice to the other Party of the occurrence of such event, including details of its expected duration and impact, and shall use best efforts to mitigate the effects and resume performance as soon as reasonably possible.

6.10 Indemnification. The Parties agree to defend, indemnify, save, and hold harmless one another from any and all third-party demands, liabilities, losses, costs, claims, suits, causes of actions, and legal proceedings (including without limitation government enforcement actions) including reasonable attorney's fees and disbursements, judgments, and settlements (collectively, the "Liabilities") against the other Party, its affiliates, agents, directors, officers, and employees, that may arise or result from: (a) any breach by the indemnifying Party of the representations and warranties in this Agreement; (b) any injury to person or property arising out of products or services provided under this Agreement; and (c) with respect to Streamline only, any material or software supplied by Streamline infringing or allegedly infringing on the proprietary rights of a third party, including copyright infringement or the infringement of any other intellectual property right asserted by a third party under this Agreement, or any data breach or cybersecurity incident related to the Services. Neither Party will indemnify the other for damages or liabilities arising from that

Party's gross negligence or intentional misconduct.

Notwithstanding any other provision, liability under Section 3.2.7 for negligence, gross negligence, or willful misconduct shall not be excused or limited.

The Indemnifying Party shall bear all costs associated with the defense of any indemnifiable claims or actions brought against the Indemnified Party, including reasonable attorney's fees, expenses, and court costs. The Indemnifying Party shall have the right to control the defense and settlement of such claims, provided that any settlement shall not impose any financial or non-financial obligation on the Indemnified Party, nor admit fault or liability on the part of the Indemnified Party, without the Indemnified Party's prior written consent, which shall not be unreasonably withheld. In the event the Indemnified Party reasonably believes that a conflict of interest exists, the Indemnified Party shall have the right to engage separate counsel at its own expense.

6.11 Limitation of Liability. Except as otherwise set forth in this Agreement, neither Party shall be liable for any indirect, incidental, exemplary, punitive, or consequential damages under this Agreement, including, without limitation, lost profits, lost goodwill, or lost business, even is such Party has been advised of the possibility of such damages. In no event shall either Party's total liability for any action under this Agreement exceed the total amounts paid by Client during the Term. Notwithstanding the foregoing, the limitation on liability set forth herein shall not apply to any damages, losses, or liabilities arising out of or resulting from the gross negligence, willful misconduct of Streamline, or to any indemnification obligations under Section 6.10 of this Agreement.

6.12 Insurance. Streamline shall comply with the insurance requirements set forth in Exhibit D.

6.13 No Warranty. Except for the express representations and warranties set forth in this Agreement, Streamline makes no other representations or warranties and hereby disclaims all responsibility for any situation where the security, the availability, or the stability of the Services is compromised by the Client, site content, or any actions taken by Streamline at the request of Client.

6.14 Notices. Any and all notices, demands, offers, requests or other communications required or permitted by this Agreement shall be given in writing and sent by personal delivery, email, or registered or certified mail, return receipt requested, with first-class postage prepaid addressed as follows:

If to Streamline:
2271 Lava Ridge Court
Suite 110
Roseville, CA 95661
Attention: Justin Powell
Email: j.powell@streamlineas.com

If to Client:
City of Redondo Beach
Fire Department
401 S Broadway
Redondo Beach, CA 90277
Attention: Brian Regan
Email: brian.regan@redondo.org

All notices, including notices of address changes, under this Agreement are deemed received as follows: (1) on the second business day after emailing, provided no "bounce-back" message is received; (2) on the third day after mailing if sent by registered or certified mail; or (3) upon personal delivery. Either Party may update its address by providing written notice to the other Party.

6.15 Attorney Fees. If any action at law or in equity or any other proceeding is brought to enforce or interpret the provisions of this Agreement, the prevailing Party in such action or proceeding shall be entitled to reasonable attorney's fees and associated costs.

6.16 Interpretation. Each Party represents and warrants that each of them has had an opportunity to fully review this Agreement and solicit counsel to assist them with such review. If an attorney has not been solicited by a Party, such Party acknowledges that it has chosen not to solicit an attorney because such Party fully understands the legal ramifications of this Agreement. In the event any disagreement should arise between the Parties regarding the interpretation of any of the provisions of this Agreement, then neither of the Parties shall be entitled to receive any preference by operation of law, or in equity, in the interpretation of such disagreement.

6.17 Severability. Any term or provision of this Agreement that is invalid or unenforceable in any situation in any jurisdiction shall not affect the validity or enforceability of the remaining terms and provisions hereof or the validity or enforceability of the offending term or provision in any other situation or in any other jurisdiction; provided, however, that if either of the Parties hereto is thereby denied the substantial benefit of this Agreement, then this Agreement shall be of no further force or effect.

6.18 Effective Date. The Effective Date is for reference only. Even if this Agreement does not take effect, Client will be obligated to pay Streamline the reasonable value of any Services Streamline may have performed for Client.

6.19 Venue. The Parties hereby consent to personal jurisdiction in any action brought with respect to this Agreement. Each of the Parties agree that this Agreement shall be governed by and construed in accordance with the laws of the State of California without giving effect to conflicts of law principles thereof and that that venue for any action initiated by any of the Parties pertaining to this Agreement shall be the state or federal courts in County of Los Angeles, California. The Parties hereby waive their right to contest this venue and to initiate such a claim in another venue.

6.20 Independent Contractor. The Parties represent and warrant that Streamline enters into this Agreement, and will remain throughout the Term of the Agreement, as an independent contractor. The Parties represent and warrant that Streamline is not and will not become an employee, partner, agent, or principal of Client while this Agreement is in effect.

6.21 Use of Employees or Subcontractors. Streamline may, at its own expense, use employees or subcontractors as necessary to fulfill its obligations

under this Agreement. Specifically, Streamline may use Fire Recovery USA, LLC (FRUSA), a related entity, for Additional Services covered by this Agreement. Streamline shall remain fully responsible for subcontractors' (including but not limited to, FRUSA) actions and performance and shall add subcontractors to its insurance policies for liability coverage related to actions under this Agreement.

6.22 Counterparts and Facsimile Transmission. This Agreement may be executed in counterparts, each of which shall be an original, but which together shall constitute one and the same Agreement. All fax, digital, mechanical and/or stamped signatures shall be treated as original signatures ("Associated Signature") that are associated with this Agreement, as long as affixed to the particular document with the approval of the person whose signature is represented by the Associated Signature. There shall be a rebuttable presumption that an Associated Signature was affixed to the particular document with the consent of the person whose signature is represented thereby.

6.23 Cooperative Purchases. This Agreement may be used by other government agencies. Company has agreed to offer similar services to other agencies under the same or similar terms and conditions as stated herein except the Company's compensation may be negotiated between the Company and other agencies based on the specific revenue expectations, agency reimbursed costs, and other agency requirements. The City/County/or Fire Department/Protection District will in no way whatsoever incur any liability in relation to specifications, delivery, payment, or any other aspect of purchase by other agencies

6.24 Cybersecurity Standards and Responsibilities. Recognizing that the Licensed Property and Services do not store any confidential information or protected health information, Streamline agrees to implement and maintain commercially reasonable cybersecurity measures in accordance with SOC Type II to safeguard against unauthorized access, cyberattacks, and other threats to system integrity. Streamline's obligations under this section are as follows:

6.24.1 Streamline shall implement and maintain administrative, technical, and physical safeguards designed to protect the Licensed Property, software, and systems from unauthorized access, cyber threats, or data breaches.

6.24.2 In the event of a security incident that could reasonably be expected to impact Client's access to or use of the Licensed Property, Streamline shall notify Client in writing within twenty-four (24) hours and work to restore normal system operations as soon as practicable.

6.24.3 Streamline shall maintain appropriate access controls and monitoring mechanisms to restrict access to systems authorized to provide the Licensed Property only to Streamline personnel or authorized third parties who have a legitimate need for such access.

6.24.4 Streamline shall conduct regular reviews of its cybersecurity practices and protocols to identify and address any reasonably foreseeable vulnerabilities, including performing software updates, patching, and applying other preventive measures as necessary.

6.24.5 Streamline shall maintain cybersecurity insurance in the amount specified in Exhibit D to cover liabilities arising from cyberattacks or data breaches, even though no confidential information is stored in the Licensed Property.

6.25 Survival. The following provisions shall survive any termination or expiration of this Agreement:

6.25.1 Section 3.1

6.25.2 Section 3.1.5

6.25.3 Section 3.2.7

6.25.4 Article 5

6.25.5 Section 6.10

6.25.6 Section 6.24

THE PARTIES HAVE EXECUTED THIS AGREEMENT AS OF THE DATE WRITTEN BELOW.

| "STREAMLINE" | "CLIENT" |
|---|---|
| STREAMLINE AUTOMATION SYSTEMS, LLC a California limited liability company | CITY OF REDONDO BEACH, a chartered municipal corporation |
| By: DocuSigned by: M. Craig Nagler 310B4B0B04E24E4... Signature | By: _____ Signature |
| M. CRAIG NAGLER Print Name | _____ Print Name |
| Its: CEO/MANAGER Title | Its: _____ Title |
| 10/29/2025 \| 7:06 PM EDT Date | _____ Date |

**EXHIBIT A**

Hosting Solution shall consist of:

STREAM LINE AUTOMATION SYSTEMS

| | | | |
|---|---|---|---|
| Company Address | 2271 Lava Ridge Ct<br>Suite 120<br>Roseville, CA 95661<br>US | Created Date | 8/19/2025 |
| | | Quote Number | 00002621 |
| | | Description | Streamline SaaS support and maintenance for the licenses listed.<br>Includes support access and software updates.<br>Contract Period November 22, 2025 to November 21, 2026. |
| Phone | (916) 297-0205 | | |
| Quote Name | 2025 SLI Renewal | | |

| | | | |
|---|---|---|---|
| Account Name | Redondo Beach Fire Department (CA) | Contact Name | Brian Regan |
| Prepared By | Justin Powell | Phone | (310) 388-0663 Ext 0633 |
| Email | j.powell@streamlineas.com | Email | brian.regan@redondo.org |

| | | | |
|---|---|---|---|
| Bill To Name | Redondo Beach Fire Department (CA) | Ship To Name | Redondo Beach Fire Department (CA) |
| Bill To | 401 S Broadway<br>Redondo Beach, CA 90277 | | |

| Product | Quantity | Sales Price | Discount (Percentage) | Total Price |
|---|---|---|---|---|
| Streamline Cloud Fee | 1.00 | $2,495.00 | | $2,495.00 |
| Streamline Admin Portal License | 2.00 | $799.00 | | $1,598.00 |
| iPad Support Renewal | 15.00 | $500.00 | | $7,500.00 |
| iPad Support Renewal | 5.00 | $500.00 | 50.00% | $1,250.00 |
| 2022 Cal Fire Code | 20.00 | $167.00 | | $3,340.00 |

Totals

Terms: Net 30

***Quote is valid for 90 Days***

| | |
|---|---|
| Subtotal | $17,433.00 |
| Discount | 7.17% |
| Grand Total | $16,183.00 |

Quote Acceptance Info

Signature: _____

Name: _____

Title: _____

Date: _____

***Thank you for your consideration.***

Last Modified By Justin Powell

**EXHIBIT B**

STREAM LINE AUTOMATION SYSTEMS

| | | | |
|---|---|---|---|
| Company Address | 2271 Lava Ridge Ct<br>Suite 120<br>Roseville, CA 95661<br>US | Created Date | 8/19/2025 |
| Phone | (916) 297-0205 | Quote Number | 00002621 |
| Quote Name | 2025 SLI Renewal | Description | Streamline SaaS support and maintenance for the licenses listed.<br>Includes support access and software updates.<br>Contract Period November 22, 2025 to November 21, 2026. |

| | | | |
|---|---|---|---|
| Account Name | Redondo Beach Fire Department (CA) | Contact Name | Brian Regan |
| Prepared By | Justin Powell | Phone | (310) 388-0663 Ext 0633 |
| Email | j.powell@streamlineas.com | Email | brian.regan@redondo.org |

| | | | |
|---|---|---|---|
| Bill To Name | Redondo Beach Fire Department (CA) | Ship To Name | Redondo Beach Fire Department (CA) |
| Bill To | 401 S Broadway<br>Redondo Beach, CA 90277 | | |

| Product | Quantity | Sales Price | Discount (Percentage) | Total Price |
|---|---|---|---|---|
| Streamline Cloud Fee | 1.00 | $2,495.00 | | $2,495.00 |
| Streamline Admin Portal License | 2.00 | $799.00 | | $1,598.00 |
| iPad Support Renewal | 15.00 | $500.00 | | $7,500.00 |
| iPad Support Renewal | 5.00 | $500.00 | 50.00% | $1,250.00 |
| 2022 Cal Fire Code | 20.00 | $167.00 | | $3,340.00 |

Totals

Terms: Net 30

***Quote is valid for 90 Days***

| | |
|---|---|
| Subtotal | $17,433.00 |
| Discount | 7.17% |
| Grand Total | $16,183.00 |

Quote Acceptance Info

Signature: _____

Name: _____

Title: _____

Date: _____

***Thank you for your consideration.***

Last Modified By Justin Powell

The Annual Service and Licensing Fee for licensing of Licensed Product is listed above.

The Annual Service and Licensing Fee for Hosting Services is listed above.

The Annual Remittance Date is the 1st day of the month of the annual effective date of this agreement.

**EXHIBIT C**
**STATEMENT OF WORK**

The SOW is attached.

STREAM LINE AUTOMATION SYSTEMS

**Statement of Work**

Streamline shall provide Client a hosting solution (the "Hosting Solution" or "Solution") for the purposes of recording, reporting, and billing for fire and life safety inspections, the specifications of which are set forth in this Statement of Work, as well as any additional services requested by Client that Streamline can provide, including, but not limited to inspection or emergency response cost recovery-billing services. Any such additional services requested by Client shall be executed via subsequent written amendment. Streamline shall also provide 2 administrative portal licenses as well as 20 iPad licenses which allow the department to utilize the hosted software environment along with the 2022 California Fire Code (to be updated every 3 years).

**Timeline**

As an existing client, the following implementation steps have already been completed:

- **Completed by Streamline – December 2017**
  - Receive Completed Occupancy Import Document in XLS
  - Perform Data Conversion
  - Configure Fire Recovery Billing
  - Provide login credentials to Redondo Beach Fire Department

- **Completed by Client – December 2017**
  - Created Checklists of Fire Code-mandated standards to check during inspections
  - Assigned Violation Codes (2022 California Fire Code) to checklist questions
  - Created user-interface Templates for conducting different inspection types.
  - Checklist Testing & Repair using the iPad
  - Created templates for generating Inspection Reports to be emailed and/or mailed to property owners/managers
  - Configure User Accounts
  - Customize system dropdowns and search bars with pre-defined “lookup” keywords
  - Go Live

The following implementation steps are to be completed as part of this agreement:

- **To be completed by Streamline – By January 2026**
  - Software Provisioning (includes 3 standard templates with checklists)
  - Provision software with the 2022 California Fire Code
  - Provision software with the 2025 California Fire Code

- **To be completed by Client – By February 2026**
  - Modify checklists, templates, and reports to comply with changes to the 2025 California Fire Code

**Scope of Services**

- General System Functionality and Parameters Provided
  - Completely Web/browser based using MSSQL (SAAS Model – No site Installation)
  - Preferred Web Browser: Google Chrome
  - iPad Mobile Application iPad Air or iPad Gen 4 and above
  - Windows Mobile Tablets with Windows 10 Pro or greater
  - Ability for field devices to work "off-line"
  - Field devices have the capability "off-line" to create new inspections, view completed inspections, and view completed inspection reports after sync
  - Field device has the ability to create new Occupancy/Property Records
  - Field device is able to sync via cellular or Wi-Fi
  - Supports 64GB iPad devices
  - Streamline's Data Center resides in the United States
  - Data Center is SOC 1 Type II (SAS 70) Certified
  - Ability for the end user to create SQL backup files to be stored locally
  - Customized web login portal with messaging ability to display pertinent information and system wide information from the vendor
  - Is able to import existing RMS data for Occupancy and Contacts
- 2022 California Fire Code
- System logs device logins as well as user logins
- Has the ability to add multiple inspection checklists to each inspection type
- Has the ability to conduct HazMat Chemical and Tank Inspections

- Browser administrative portal supports multiple level security roles
    - Administrator – Full Access
    - Inspector Access
    - Billing
    - Checklist/Template Creator
    - Read Only access
    - Administrator – Full Access
    - Inspector – Inspections – Property. No delete.
    - Overview – Map, Graphs, Grids, Reports
    - Read Only – Property, send\view reports\permits
    - Has multiple levels billing
        - Billing Level Three – Handles all billing (FRUSA Billing Agreement)
    - Redondo Beach Fire Department owns system data and data shall be returned to the City in a SQL database at the conclusion of the contract term.

- Support
    - Support for ALL software and billing is located in the United States. Streamline shall maintain a help desk, which shall be the primary point of contact for all queries and communications regarding service level incidents. The help desk shall be contactable by telephone at (888) 659.2249 as well as the Streamline support ticket system, and available 24 hours a day, 7 days a week, 365 days a year (366 days in a leap year).

- Building & Occupancy Management
    - Paperless documentation and archiving
    - Complexes: Track multiple assets (building, suites within a building) types
    - Property Owner Information
    - Business Owner Information
    - Reports Contact (Person to only receive notices and reports)
    - Billing contacts
    - Fire Protection Contractor
    - Ability to filter Properties based on ID, Name, Address number, Street, or Property use code, last inspected, districts, floors above, square feet, occupancy load, etc.
    - Geocode each new location as they are created

- Audit logs for all property and contact information changes, tanks, chemicals and permits
- Tank and Chemical Management
  - Ability to track and record Chemicals or Hazardous Materials
- Ability to attach multiple documents to a property record. These documents must be visible on the iPad under history

Permits Module

- Separate Permits Module outside of the building/occupancy information
- Ability to link multiple inspections to one permit
- Ability to issue a permit not linked to an occupancy/property
- Ability to issue a permit from the mobile device
- Calculate permit fees
- Calculate permit expiration date

Inspection Management

- Scheduling of inspections
  - System is able to dynamically batch-schedule inspections automatically by:
    - Month/Month Cycle (Example: every 12/24 Months)
    - Inspector
    - Inspection Type
  - System allows for easy rotation of inspectors to different groups and accommodates drag and drop
  - The system is able to track inspections by year
- System supports multiple checklists
  - Access multiple checklists per inspection type/property
  - Checklists are end-user customizable
  - Checklist forms are dynamic
    - Example: Show/Hide/N/A fields based on user input
    - Users determine which fields are required or not
    - Based on user input: Show notes, Show Photos, Require Notes, Require Photos
    - Administrator can set number of photos required or limit the number of photos

- Based on user input – any checklist item has the ability to automatically send a notification email to a predetermined address
- Checklist can support inputs for:
    - Date
    - Text
    - Long Text
    - Photos
    - Toggles
    - Lookup values
    - Numbers and number ranges
- Checklist violation shows the associated violation code
- Checklist violation has the ability to be marked "Repaired" but shall still track the violation
- Each violation during the inspection has a different re-inspection date
- System is able to add violations from the device that are not associated with the checklist
    - Device can support multiple code sets
    - Codes are available off-line

Map Based iPad Inspections

- Inspection Districts for regional assignment of inspections
- Station Areas to partition Inspection Districts by fire station
- Filter by:
    - Business/Occupancy Name
    - Numeric Street Address
    - Inspection Type
    - Inspections Due
    - Overdue
    - Incomplete
    - Re-inspections
- Map supports location services – Must be enabled on the device
- When adding inspections system supports "Near Me" lookups using location services

Contractors Database

- Track Individual Contractors

Fire Protection Systems Management

- Integration with BRYCER (TCE)
- Track multiple systems and system status with buildings and suites
- Fire Sprinkler System
- Fire Alarm System
- Hood Suppression System
- Hood Cleaning
- Key Box Locations
- Back Up Generators
- Fixed Fire Protection System
- Other Fire Protection System
- Annual fire protection system test reporting

Geocoded fire inspection, fire protection systems and compliant systems

- Color coded inspection status (example: inspection due, violations outstanding, operational)

Self-Certification Portal

- Customized online web portal to allow business owners/occupants to clear their own violations as determined by violation type.
- Self-Certification violations are setup by violation type and give the inspector the ability to modify in the field depending on the severity of the violation.
- Has ability for the owner to upload photos of the violation has been corrected.
- Schedule a re-inspection if the Self Certification violation has not been cleared in a specified period of time.

Reports

- Analytic dashboard
- System uses pivot grids
- System has one click export functions of all tables to CSV or XLS file types

**Client's Designee**

Client will designate a central point of contact to maintain continued communication with Streamline and address needs as they arise.

**EXHIBIT D**

**INSURANCE REQUIREMENTS**

Without limiting Streamline's indemnification obligations under this Agreement, Streamline shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Streamline, its agents, representatives, or employees.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).

Workers' Compensation insurance as required by the State of California.

Cyber Liability Insurance.

Minimum Limits of Insurance

Streamline shall maintain limits no less than:

General Liability: $2,000,000 per occurrence for bodily injury, personal injury and property damage. The general aggregate limit of $4,000,000 shall apply separately to this project.

Cyber Liability Insurance: $1,000,000 per occurrence for data breaches, cyberattacks, and other cybersecurity risks

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers or (2) the Streamline shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

Additional Insured Endorsement:

General Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of work performed by or on behalf of the Streamline. General liability coverage can be provided in the form of an endorsement to the Streamline's insurance, or as a separate owner's policy.

Automobile Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Streamline.

For any claims related to this project, the Streamline's insurance coverage shall be primary insurance as respects the City, its officers, elected and appointed officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Streamline's insurance and shall not contribute with it.

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

Each insurance policy shall be endorsed to state that the inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverages afforded shall apply as though separate policies had been issued to each insured.

Each insurance policy shall be in effect prior to awarding the contract and each insurance policy or a successor policy shall be in effect for the duration of the project. The maintenance of proper insurance coverage is a material element of the contract and failure to maintain or renew coverage or to provide evidence of renewal may be treated by the City as a material breach of contract on the Streamline's part.

Acceptability of Insurers

Insurance shall be placed with insurers with a current A.M. Best's rating of no less than A:VII and which are authorized to transact insurance business in the State of California by the Department of Insurance.

Verification of Coverage

Streamline shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on the City authorized forms provided with the contract specifications. Standard ISO forms which shall be subject to City approval and amended to conform to the City's requirements may be acceptable in lieu of City authorized forms. All certificates and endorsements shall be received and approved by the City before the contract is awarded. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Subcontractors

Streamline shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

Risk Management

Streamline acknowledges that insurance underwriting standards and practices are subject to change, and the City reserves the right to make changes to these provisions in the reasonable discretion of its Risk Manager.

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 6/20/2025

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

**PRODUCER**
Marsh & McLennan Agency LLC
Marsh & McLennan Ins. Agency LLC
PO Box 85638
San Diego CA 92186

License#: 0H18131

**CONTACT NAME:** Kearstyn Freerking
**PHONE (A/C, No, Ext):** 858-768-4075 **FAX (A/C, No):**
**E-MAIL ADDRESS:** Kearstyn.Freerking@MarshMMA.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Hartford Underwriters Insurance Company | 30104 |
| INSURER B : Sentinel Insurance Company Ltd | 11000 |
| INSURER C : United Specialty Insurance Company | 12537 |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED**
Streamline Automation Systems LLC
2271 Lava Ridge Ct.
Suite 120
Roseville CA 95661-3065

FIRERECOVE

**COVERAGES** **CERTIFICATE NUMBER:** 260300579 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X **COMMERCIAL GENERAL LIABILITY**<br>CLAIMS-MADE X OCCUR<br>GEN'L AGGREGATE LIMIT APPLIES PER:<br>X POLICY PRO-JECT LOC<br>OTHER: | Y | Y | 72SBABA9B2C | 5/1/2025 | 5/1/2026 | EACH OCCURRENCE<br>DAMAGE TO RENTED PREMISES (Ea occurrence)<br>MED EXP (Any one person)<br>PERSONAL & ADV INJURY<br>GENERAL AGGREGATE<br>PRODUCTS - COMP/OP AGG | $ 2,000,000<br>$ 1,000,000<br>$ 10,000<br>$ 2,000,000<br>$ 4,000,000<br>$ 4,000,000 |
| A | **AUTOMOBILE LIABILITY**<br>ANY AUTO<br>OWNED AUTOS ONLY<br>SCHEDULED AUTOS<br>X HIRED AUTOS ONLY<br>X NON-OWNED AUTOS ONLY | Y | Y | 72SBABA9B2C | 5/1/2025 | 5/1/2026 | COMBINED SINGLE LIMIT (Ea accident)<br>BODILY INJURY (Per person)<br>BODILY INJURY (Per accident)<br>PROPERTY DAMAGE (Per accident) | $ 2,000,000<br>$<br>$<br>$ |
| A | X **UMBRELLA LIAB** OCCUR<br>**EXCESS LIAB** CLAIMS-MADE<br>DED X RETENTION $ 10,000 | | | 72SBABA9B2C | 5/1/2025 | 5/1/2026 | EACH OCCURRENCE<br>AGGREGATE | $ 2,000,000<br>$ 2,000,000 |
| B | **WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N<br>ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A<br>**(Mandatory in NH)**<br>If yes, describe under DESCRIPTION OF OPERATIONS below | | Y | 72WECPO7250 | 5/1/2025 | 5/1/2026 | X PER STATUTE OTH-ER<br>E.L. EACH ACCIDENT<br>E.L. DISEASE - EA EMPLOYEE<br>E.L. DISEASE - POLICY LIMIT | $ 1,000,000<br>$ 1,000,000<br>$ 1,000,000 |
| C<br>C | Cyber<br>E&O | | | AB662790003<br>GCT181028303 | 3/1/2025<br>3/1/2025 | 3/1/2026<br>3/1/2026 | Aggregate<br>Aggregate<br>Each Claim | $1,000,000<br>$2,000,000<br>$2,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
Redondo Beach Fire Department is included as an additional insured as respects to General Liability and Auto Liability per attached endorsements. Waiver of Subrogation applies to General Liability, Auto Liability and Workers Compensation per attached endorsements. Primary and Non-Contributory Wording applies per attached endorsement.

**CERTIFICATE HOLDER**

Redondo Beach Fire Department
401 S Broadway
Redondo Beach CA 90277

**CANCELLATION**

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**

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THE HARTFORD

# BUSINESS LIABILITY COVERAGE FORM

Various provisions in this Policy restrict coverage. Read the entire Policy carefully to determine rights, duties and what is and is not covered.

Throughout this Coverage Part the words "you" and "your" refer to the Named Insured shown in the Declarations. The words "we", "us" and "our" refer to the insurance company shown in the Declarations.

"Policy period", as used in this Coverage Part**,** means the period from the effective date of this Coverage Part to the expiration date of the Coverage Part as stated in the Declarations or the date of cancellation, whichever is earlier.

The word "insured" means any person or organization qualifying as such under Section **C**. Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section **F**. Liability And Medical Expenses Definitions.

**A. COVERAGES**

**1. Business Liability Coverage (Bodily Injury, Property Damage, Personal And Advertising Injury) Insuring Agreement**

**a.** We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury", "property damage" or "personal and advertising injury" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury", "property damage" or "personal and advertising injury" to which this insurance does not apply.

We may, at our discretion, investigate any "occurrence" or offense and settle any claim or "suit" that may result. But:

**(1)** The amount we will pay for damages is limited as described in Section **D.** Liability And Medical Expenses Limits Of Insurance; and

**(2)** Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments, settlements or medical expenses to which this insurance applies.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Coverage Extension - Supplementary Payments.

**b.** This insurance applies:

**(1)** To "bodily injury" and "property damage" only if:

**(a)** The “bodily injury” or “property damage” is caused by an “occurrence” that takes place in the “coverage territory”;

**(b)** The "bodily injury" or "property damage" occurs during the policy period; and

**(c)** Prior to the policy period, no insured listed under Paragraph **1.** of Section **C.** Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.

**(2)** To "personal and advertising injury" caused by an offense arising out of your business, but only if the offense was committed in the "coverage territory" during the policy period.

**c.** "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph **1.** of Section **C.** Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

**(1)** Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;

**(2)** Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or



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**(3)** Becomes aware by any other means that "bodily injury" or "property damage" has occurred or has begun to occur.

**d.** Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

**e. Incidental Medical Malpractice**

**(1)** "Bodily injury" arising out of the rendering of or failure to render professional health care services as a physician, dentist, nurse, emergency medical technician or paramedic shall be deemed to be caused by an "occurrence", but only if:

**(a)** The physician, dentist, nurse, emergency medical technician or paramedic is employed by you to provide such services; and

**(b)** You are not engaged in the business or occupation of providing such services.

**(2)** For the purpose of determining the limits of insurance for incidental medical malpractice, any act or omission together with all related acts or omissions in the furnishing of these services to any one person will be considered one "occurrence".

**2. Medical Expenses**

**Insuring Agreement**

**a.** We will pay medical expenses as described below for "bodily injury" caused by an accident:

**(1)** On premises you own or rent;

**(2)** On ways next to premises you own or rent; or

**(3)** Because of your operations;

provided that:

**(1)** The accident takes place in the "coverage territory" and during the policy period;

**(2)** The expenses are incurred and reported to us within three years of the date of the accident; and

**(3)** The injured person submits to examination, at our expense, by physicians of our choice as often as we reasonably require.

**b.** We will make these payments regardless of fault. These payments will not exceed the applicable limit of insurance. We will pay reasonable expenses for:

**(1)** First aid administered at the time of an accident;

**(2)** Necessary medical, surgical, x-ray and dental services, including prosthetic devices; and

**(3)** Necessary ambulance, hospital, professional nursing and funeral services.

**3. Coverage Extension - Supplementary Payments**

**a.** We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:

**(1)** All expenses we incur.

**(2)** Up to $1,000 for the cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which Business Liability Coverage for "bodily injury" applies. We do not have to furnish these bonds.

**(3)** The cost of appeal bonds or bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish, finance, arrange for, guarantee, or collateralize these bonds, whether the collateralization is characterized as premium or not.

**(4)** All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to $500 a day because of time off from work.

**(5)** All court costs taxed against the insured in the "suit". However, such costs do not include attorneys' fees, attorneys' expenses, witness or expert fees, or any other expenses of a party taxed against the insured.

**(6)** Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.



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**(7)** All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.

Any amounts paid under **(1)** through **(7)** above will not reduce the Limits of Insurance.

**b.** If we defend an insured against a "suit" and an indemnitee of the insured is also named as a party to the "suit", we will defend that indemnitee if all of the following conditions are met:

**(1)** The "suit" against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an "insured contract";

**(2)** This insurance applies to such liability assumed by the insured;

**(3)** The obligation to defend, or the cost of the defense of, that indemnitee, has also been assumed by the insured in the same "insured contract";

**(4)** The allegations in the "suit" and the information we know about the "occurrence" are such that no conflict appears to exist between the interests of the insured and the interest of the indemnitee;

**(5)** The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such "suit" and agree that we can assign the same counsel to defend the insured and the indemnitee; and

**(6)** The indemnitee:

**(a)** Agrees in writing to:

**(i)** Cooperate with us in the investigation, settlement or defense of the "suit";

**(ii)** Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the "suit";

**(iii)** Notify any other insurer whose coverage is available to the indemnitee; and

**(iv)** Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and

**(b)** Provides us with written authorization to:

**(i)** Obtain records and other information related to the "suit"; and

**(ii)** Conduct and control the defense of the indemnitee in such "suit".

So long as the above conditions are met, attorneys' fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments.

Notwithstanding the provisions of Paragraph **1.b.(b)** of Section **B.** Exclusions, such payments will not be deemed to be damages for "bodily injury" and "property damage" and will not reduce the Limits of Insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys' fees and necessary litigation expenses as Supplementary Payments ends when:

**(1)** We have used up the applicable limit of insurance in the payment of judgments or settlements; or

**(2)** The conditions set forth above, or the terms of the agreement described in Paragraph **(6)** above, are no longer met.

## B. EXCLUSIONS

### 1. Applicable To Business Liability Coverage

This insurance does not apply to:

**a. Expected Or Intended Injury**

**(1)** "Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property; or

**(2)** "Personal and advertising injury" arising out of an offense committed by, at the direction of or with the consent or acquiescence of the insured with the expectation of inflicting "personal and advertising injury".



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**b. Contractual Liability**

**(1)** "Bodily injury" or "property damage"; or

**(2)** "Personal and advertising injury"

for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement.

This exclusion does not apply to liability for damages because of:

**(a)** "Bodily injury", "property damage" or "personal and advertising injury" that the insured would have in the absence of the contract or agreement; or

**(b)** "Bodily injury" or "property damage" assumed in a contract or agreement that is an "insured contract", provided the "bodily injury" or "property damage" occurs subsequent to the execution of the contract or agreement. Solely for the purpose of liability assumed in an "insured contract", reasonable attorneys' fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "bodily injury" or "property damage" provided:

**(i)** Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and

**(ii)** Such attorneys' fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

**c. Liquor Liability**

"Bodily injury" or "property damage" for which any insured may be held liable by reason of:

**(1)** Causing or contributing to the intoxication of any person;

**(2)** The furnishing of alcoholic beverages to a person under the legal drinking age or under the influence of alcohol;

**(3)** Providing or failing to provide transportation with respect to any person that may be under the influence of alcohol; or

**(4)** Any statute, ordinance or regulation relating to the sale, gift, distribution or use of alcoholic beverages.

This exclusion applies even if the claims allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by an insured, if the "bodily injury" or "property damage" involved that which is described in Paragraph **(1), (2), (3)** or **(4)** above.

However, this exclusion applies only if you are in the business of manufacturing, distributing, selling, serving or furnishing alcoholic beverages. For the purposes of this exclusion, permitting a person to bring alcoholic beverages on your premises, for consumption on your premises, whether or not a fee is charged or a license is required for such activity, is not by itself considered the business of selling, serving, or furnishing alcoholic beverages.

**d. Workers' Compensation And Similar Laws**

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law.

**e. Employer's Liability**

"Bodily injury" to:

**(1)** An "employee" of the insured arising out of and in the course of:

**(a)** Employment by the insured; or

**(b)** Performing duties related to the conduct of the insured's business; or

**(2)** The spouse, child, parent, brother or sister of that "employee" as a consequence of **(1)** above.

This exclusion applies:

**(1)** Whether the insured may be liable as an employer or in any other capacity; and

**(2)** To any obligation to share damages with or repay someone else who must pay damages because of the injury.



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This exclusion does not apply to liability assumed by the insured under an "insured contract".

**f. Pollution**

**(1)** "Bodily injury", "property damage" or "personal and advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":

**(a)** At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to any insured. However, this paragraph does not apply to:

**(i)** "Bodily injury" if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or equipment that is used to heat water for personal use, by the building's occupants or their guests;

**(ii)** "Bodily injury" or "property damage" for which you may be held liable, if you are a contractor and the owner or lessee of such premises, site or location has been added to this Coverage Part as an additional insured with respect to your ongoing operations performed for that additional insured at that premises, site or location and such premises, site or location is not and never was owned or occupied by, or rented or loaned to, any insured, other than that additional insured; or

**(iii)** "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";

**(b)** At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;

**(c)** Which are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for:

**(i)** Any insured; or

**(ii)** Any person or organization for whom you may be legally responsible;

**(d)** At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor. However, this paragraph does not apply to:

**(i)** "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;

**(ii)** "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by you or on your behalf by a contractor or subcontractor; or

**(iii)** "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire"; or

**(e)** At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants".

**(2)** Any loss, cost or expense arising out of any:

**(a)** Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or

**(b)** Claim or “suit” by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".



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However, this paragraph does not apply to liability for damages because of "property damage" that the insured would have in the absence of such request, demand, order or statutory or regulatory requirement, or such claim or "suit" by or on behalf of a governmental authority.

**g. Aircraft, Auto Or Watercraft**

**(1) Unmanned Aircraft**

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft that is an "unmanned aircraft". Use includes operation and "loading or unloading".

This Exclusion **g.(1)** applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "bodily injury" or "property damage" arises out of the ownership, maintenance, use or entrustment to others of any aircraft that is an "unmanned aircraft".

**(2) Aircraft (Other Than Unmanned Aircraft), Auto or Watercraft**

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft (other than "unmanned aircraft"), "auto" or watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This Exclusion **g.(2)** applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "bodily injury" or "property damage" arises out of the ownership, maintenance, use or entrustment to others of any aircraft (other than "unmanned aircraft"), "auto" or watercraft that is owned or operated by or rented or loaned to any insured.

This Exclusion **g.(2)** does not apply to:

**(a)** A watercraft while ashore on premises you own or rent;

**(b)** A watercraft you do not own that is:

**(i)** Less than 51 feet long; and

**(ii)** Not being used to carry persons or property for a charge;

**(c)** Parking an "auto" on, or on the ways next to, premises you own or rent, provided the "auto" is not owned by or rented or loaned to you or the insured;

**(d)** Liability assumed under any "insured contract" for the ownership, maintenance or use of aircraft (other than "unmanned aircraft") or watercraft;

**(e)** "Bodily injury" or "property damage" arising out of:

**(i)** The operation of any of the machinery or equipment listed in Paragraph **f.(2)** or **f.(3)** of the definition of "mobile equipment"; or

**(ii)** The operation of machinery or equipment that is attached to, or part of, a land vehicle that would qualify under the definition of "mobile equipment" if it were not subject to a compulsory or financial responsibility law or other motor vehicle insurance or motor vehicle registration law where it is licensed or principally garaged; or

**(f)** An aircraft (other than "unmanned aircraft") that is not owned by any insured and is hired, chartered or loaned with a paid crew. However, this exception does not apply if the insured has any other insurance for such "bodily injury" or "property damage", whether the other insurance is primary, excess, contingent or on any other basis.

**h. Mobile Equipment**

"Bodily injury" or "property damage" arising out of:

**(1)** The transportation of "mobile equipment" by an "auto" owned or operated by or rented or loaned to any insured; or

**(2)** The use of "mobile equipment" in, or while in practice or preparation for, a prearranged racing, speed or demolition contest or in any stunting activity.



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**i. War**

"Bodily injury", "property damage" or "personal and advertising injury", however caused, arising, directly or indirectly, out of:

**(1)** War, including undeclared or civil war;

**(2)** Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or

**(3)** Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

**j. Professional Services**

"Bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or failure to render any professional service. This includes but is not limited to:

**(1)** Legal, accounting or advertising services;

**(2)** Preparing, approving, or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders, designs or drawings and specifications;

**(3)** Supervisory, inspection, architectural or engineering activities;

**(4)** Medical, surgical, dental, x-ray or nursing services, treatment, advice or instruction;

**(5)** Any health or therapeutic service treatment, advice or instruction;

**(6)** Any service, treatment, advice or instruction for the purpose of appearance or skin enhancement, hair removal or replacement or personal grooming;

**(7)** Optical or hearing aid services including the prescribing, preparation, fitting, demonstration or distribution of ophthalmic lenses and similar products or hearing aid devices;

**(8)** Optometry or optometric services including but not limited to examination of the eyes and the prescribing, preparation, fitting, demonstration or distribution of ophthalmic lenses and similar products;

**(9)** Any:

**(a)** Body piercing (not including ear piercing);

**(b)** Tattooing, including but not limited to the insertion of pigments into or under the skin; and

**(c)** Similar services;

**(10)** Pharmaceutical services including but not limited to:

**(a)** The administering, prescribing, preparing, distributing or compounding of pharmaceutical drugs, vaccinations, immunizations or any of their component parts;

**(b)** The providing of or failure to provide home health care or home infusion products or services; and

**(c)** Advising and consulting customers;

**(11)** Computer consulting, design or programming services, including web site design.

This exclusion applies even if the claims allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by an insured, if the “bodily injury”, “property damage”, or “personal and advertising injury” arises out of the rendering of or the failure to render any professional service.

Paragraphs **(4)** and **(5)** of this exclusion do not apply to the Incidental Medical Malpractice coverage afforded under Paragraph **1.e.** in Section **A.** Coverages.

**k. Damage To Property**

"Property damage" to:

**(1)** Property you own, rent or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;

**(2)** Premises you sell, give away or abandon, if the "property damage" arises out of any part of those premises;



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**(3)** Property loaned to you;

**(4)** Personal property in the care, custody or control of the insured;

**(5)** That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations, if the "property damage" arises out of those operations; or

**(6)** That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it.

Paragraphs **(1)**, **(3)** and **(4)** of this exclusion do not apply to "property damage" (other than damage by fire) to premises, including the contents of such premises, rented to you for a period of 7 or fewer consecutive days. A separate limit of insurance applies to Damage To Premises Rented To You as described in Section **D.** Limits Of Insurance.

Paragraph **(2)** of this exclusion does not apply if the premises are "your work" and were never occupied, rented or held for rental by you.

Paragraphs **(3)** and **(4)** of this exclusion do not apply to the use of elevators.

Paragraphs **(3)**, **(4)**, **(5)** and **(6)** of this exclusion do not apply to liability assumed under a sidetrack agreement.

Paragraphs **(3)** and **(4)** of this exclusion do not apply to "property damage" to borrowed equipment while not being used to perform operations at a job site.

Paragraph **(6)** of this exclusion does not apply to "property damage" included in the "products-completed operations hazard".

**l. Damage To Your Product**

"Property damage" to "your product" arising out of it or any part of it.

**m. Damage To Your Work**

"Property damage" to "your work" arising out of it or any part of it and included in the "products-completed operations hazard".

This exclusion does not apply if the damaged work or the work out of which the damage arises was performed on your behalf by a subcontractor.

**n. Damage To Impaired Property Or Property Not Physically Injured**

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

**(1)** A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or

**(2)** A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "your product" or "your work" after it has been put to its intended use.

**o. Recall Of Products, Work Or Impaired Property**

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

**(1)** "Your product";

**(2)** "Your work"; or

**(3)** "Impaired property";

if such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

**p. Personal And Advertising Injury**

"Personal and advertising injury":

**(1)** Arising out of oral, written, electronic, or any other manner of publication of material, if done by or at the direction of the insured with knowledge of its falsity;



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**(2)** Arising out of oral, written, electronic, or any other manner of publication of material whose first publication took place before the beginning of the policy period;

**(3)** Arising out of a criminal act committed by or at the direction of the insured;

**(4)** Arising out of any breach of contract, except an implied contract to use another's "advertising idea" in your "advertisement";

**(5)** Arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement";

**(6)** Arising out of the wrong description of the price of goods, products or services;

**(7)** Arising out of:

**(a)** Any actual or alleged infringement or violation of any intellectual property rights, such as copyright, patent, right of publicity, trademark, trade dress, trade name, trade secret, service mark or other designation of origin or authenticity; or

**(b)** Any injury or damage alleged in any claim or "suit" that also alleges an infringement or violation of any intellectual property right, whether such allegation of infringement or violation is made against you, or by you or by any other party involved in the claim or "suit", regardless of whether this insurance would otherwise apply.

However, this exclusion does not apply if the only allegation in the claim or "suit" involving any intellectual property right is limited to:

**(i)** Infringement, in your "advertisement", of:

**a.** Copyright;

**b.** Slogan; unless the slogan is also a trademark, trade dress, trade name, service mark or other designation of origin or authenticity; or

**c.** Title of any literary or artistic work; or

**(ii)** Copying, in your "advertisement", a person's or organization's "advertising idea" or style of "advertisement".

Paragraph **(7)(b)ii** above shall not apply to claims or "suits" alleging infringement or violation of trademark, trade dress, trade name, service mark or other designation of origin or authenticity.

**(8)** Arising out of an offense committed by an insured whose business is:

**(a)** Advertising, broadcasting, publishing or telecasting;

**(b)** Designing or determining content of web sites for others; or

**(c)** An Internet search, access, content or service provider.

However, this exclusion does not apply to Paragraphs **a., b.** and **c.** under the definition of "personal and advertising injury" in Section **F.** Liability And Medical Expenses Definitions.

For the purposes of this exclusion, the placing of frames, borders, or links, or advertising, for you or others anywhere on the Internet, is not by itself, considered the business of advertising, broadcasting, publishing or telecasting;

**(9)** Arising out of an electronic chat room or bulletin board the insured hosts, owns, or over which the insured exercises control;

**(10)** Arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatags, or any other similar tactics to mislead another's potential customers;

**(11)** Arising out of the violation of a person's right of privacy created by any state or federal act.

However, this exclusion does not apply to liability for damages that the insured would have in the absence of such state or federal act;

**(12)** Arising out of:

**(a)** Advertising content for others on your web site;

**(b)** Placing a link to a web site of others on your web site;



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**(c)** Content from a web site of others displayed within a frame or border on your web site. Content includes information, code, sounds, text, graphics or images; or

**(d)** Computer code, software or programming used to enable:

**(i)** Your web site; or

**(ii)** The presentation or functionality of an "advertisement" or other content on your web site;

**(13)** Arising out of a violation of any anti-trust law;

**(14)** Arising out of the fluctuation in price or value of any stocks, bonds or other securities;

**(15)** Arising out of any access to or disclosure of any person's or organization's confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information.

This exclusion applies even if damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of any access to or disclosure of any person's or organization's confidential or personal information; or

**(16)** Arising out of the ownership, maintenance, use or entrustment to others of any aircraft that is an "unmanned aircraft". Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "personal and advertising injury" arises out of the ownership, maintenance, use or entrustment to others of any aircraft that is an "unmanned aircraft".

However, this exclusion does not apply if the only allegation in the claim or "suit" involves an intellectual property right which is limited to:

**(a)** Infringement, in your "advertisement", of:

**(i)** Copyright;

**(ii)** Slogan; or

**(iii)** Title of any literary or artistic work; or

**(b)** Copying, in your "advertisement", a person's or organization's "advertising idea" or style of "advertisement".

**q. Access Or Disclosure Of Confidential Or Personal Information And Data-Related Liability**

**(1)** Damages because of “bodily injury” or “property damage” arising out of any access to or disclosure of any person’s or organization’s confidential or personal information, including patents, trade secrets, processing methods, customer lists, financial information, credit card information, health information or any other type of nonpublic information; or

**(2)** Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data".

This exclusion applies even if such damages are claimed for notification costs, credit monitoring expenses, forensic expenses, public relations expenses or any other loss, cost or expense incurred by you or others arising out of that which is described in Paragraphs **(1)** or **(2)** above.

However, unless Paragraph **(1)** above applies, this exclusion does not apply to damages because of “bodily injury”.

**r. Employment-Related Practices**

"Bodily injury" or "personal and advertising injury" to:

**(1)** A person arising out of any:

**(a)** Refusal to employ that person;

**(b)** Termination of that person's employment; or



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**(c)** Employment-related practices, policies, acts or omissions, such as coercion, demotion, evaluation, reassignment, discipline, defamation, harassment, humiliation, discrimination, malicious prosecution or false arrest directed at that person; or

**(2)** The spouse, child, parent, brother or sister of that person as a consequence of "bodily injury" or "personal and advertising injury" to that person at whom any of the employment-related practices described in Paragraphs **(a)**, **(b)**, or **(c)** above is directed.

This exclusion applies:

**(1)** Whether the injury-causing event described in Paragraphs **(a)**, **(b)**, or **(c)** above occurs before employment, during employment or after employment of that person;

**(2)** Whether the insured may be liable as an employer or in any other capacity; and

**(3)** To any obligation to share damages with or repay someone else who must pay damages because of the injury.

**s. Asbestos**

**(1)** "Bodily injury", "property damage" or "personal and advertising injury" arising out of the "asbestos hazard".

**(2)** Any damages, judgments, settlements, loss, costs or expenses that:

**(a)** May be awarded or incurred by reason of any claim or “suit” alleging actual or threatened injury or damage of any nature or kind to persons or property which would not have occurred in whole or in part but for the "asbestos hazard";

**(b)** Arise out of any request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, encapsulate, contain, treat, detoxify or neutralize or in any way respond to or assess the effects of an "asbestos hazard"; or

**(c)** Arise out of any claim or “suit” for damages because of testing for, monitoring, cleaning up, removing, encapsulating, containing, treating, detoxifying or neutralizing or in any way responding to or assessing the effects of an "asbestos hazard".

**t. Recording And Distribution Of Material Or Information In Violation Of Law**

"Bodily injury", "property damage", or "personal and advertising injury" arising directly or indirectly out of any action or omission that violates or is alleged to violate:

**(1)** The Telephone Consumer Protection Act (TCPA), including any amendment of or addition to such law;

**(2)** The CAN-SPAM Act of 2003, including any amendment of or addition to such law;

**(3)** The Fair Credit Reporting Act (FCRA), and any amendment of or addition to such law, including the Fair and Accurate Credit Transaction Act (FACTA); or

**(4)** Any federal, state or local statute, ordinance or regulation, other than the TCPA, CAN-SPAM Act of 2003 or FCRA and their amendments and additions, that addresses, prohibits or limits the printing, dissemination, disposal, collecting, recording, sending, transmitting, communicating or distribution of material or information.

**Damage To Premises Rented To You – Exception For Damage By Fire, Lightning Or Explosion**

Exclusions **c.** through **h.** and **k.** through **o.** do not apply to damage by fire, lightning or explosion to premises rented to you or temporarily occupied by you with permission of the owner. A separate limit of insurance applies to this coverage as described in Section **D.** Liability And Medical Expenses Limits Of Insurance.

**2. Applicable To Medical Expenses Coverage**

We will not pay expenses for "bodily injury":

**a. Any Insured**

To any insured, except "volunteer workers".

**b. Hired Person**

To a person hired to do work for or on behalf of any insured or a tenant of any insured.



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**c. Injury On Normally Occupied Premises**

To a person injured on that part of premises you own or rent that the person normally occupies.

**d. Workers' Compensation And Similar Laws**

To a person, whether or not an "employee" of any insured, if benefits for the "bodily injury" are payable or must be provided under a workers' compensation or disability benefits law or a similar law.

**e. Athletics Activities**

To a person injured while practicing, instructing or participating in any physical exercises or games, sports or athletic contests.

**f. Products-Completed Operations Hazard**

Included with the "products-completed operations hazard".

**g. Business Liability Exclusions**

Excluded under Business Liability Coverage.

**C. WHO IS AN INSURED**

**1.** If you are designated in the Declarations as:

**a.** An individual, you and your spouse are insureds, but only with respect to the conduct of a business, other than that described in **b.** through **e.** below, of which you are the sole owner.

**b.** A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to the conduct of your business.

**c.** A limited liability company, you are an insured. Your members are also insureds, but only with respect to the conduct of your business. Your managers are insureds, but only with respect to their duties as your managers.

**d.** An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.

**e.** A trust, you are an insured. Your trustees are also insureds, but only with respect to their duties as trustees.

**2.** Each of the following is also an insured:

**a. Employees And Volunteer Workers**

Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "executive officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business.

However, none of these "employees" or "volunteer workers" are insureds for:

**(1)** "Bodily injury" or "personal and advertising injury":

**(a)** To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), or to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer workers" while performing duties related to the conduct of your business;

**(b)** To the spouse, child, parent, brother or sister of that co-"employee" or that "volunteer worker" as a consequence of Paragraph **(1)(a)** above;

**(c)** For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraphs **(1)(a)** or **(b)** above; or

**(d)** Arising out of his or her providing or failing to provide professional health care services.

If you are not in the business of providing professional health care services, Paragraph **(d)** does not apply to any nurse, emergency medical technician or paramedic employed by you to provide such services.

**(2)** "Property damage" to property:



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**(a)** Owned, occupied or used by:

**(b)** Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by you, any of your "employees", "volunteer workers", any partner or member (if you are a partnership or joint venture), or any member (if you are a limited liability company).

**b. Real Estate Manager**

Any person (other than your "employee" or "volunteer worker"), or any organization while acting as your real estate manager.

**c. Temporary Custodians Of Your Property**

Any person or organization having proper temporary custody of your property if you die, but only:

**(1)** With respect to liability arising out of the maintenance or use of that property; and

**(2)** Until your legal representative has been appointed.

**d. Legal Representative If You Die**

Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this insurance.

**e. Unnamed Subsidiary**

Any subsidiary and subsidiary thereof, of yours which is a legally incorporated entity of which you own a financial interest of more than 50% of the voting stock on the effective date of this Coverage Part.

The insurance afforded herein for any subsidiary not shown in the Declarations as a named insured does not apply to injury or damage with respect to which an insured under this insurance is also an insured under another policy or would be an insured under such policy but for its termination or upon the exhaustion of its limits of insurance.

**3. Newly Acquired Or Formed Organization**

Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and over which you maintain financial interest of more than 50% of the voting stock, will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

**a.** Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier; and

**b.** Coverage under this provision does not apply to:

**(1)** "Bodily injury" or "property damage" that occurred; or

**(2)** "Personal and advertising injury" arising out of an offense committed

before you acquired or formed the organization.

**4. Operator Of Mobile Equipment**

With respect to "mobile equipment" any person is an insured while driving such equipment along a public highway with your permission. Any other person or organization responsible for the conduct of such person is also an insured, but only with respect to liability arising out of the operation of the equipment, and only if no other insurance of any kind is available to that person or organization for this liability. However, no person or organization is an insured with respect to:

**a.** "Bodily injury" to a co-"employee" of the person driving the equipment; or

**b.** "Property damage" to property owned by, rented to, in the charge of or occupied by you or the employer of any person who is an insured under this provision.

**5. Operator Of Nonowned Watercraft**

With respect to watercraft you do not own that is less than 51 feet long and is not being used to carry persons or property for a charge, any person is an insured while operating such watercraft with your permission. Any other person or organization responsible for the conduct of such person is also an insured, but only with respect to liability arising out of the operation of the watercraft, and only if no other insurance of any kind is available to that person or organization for this liability.

However, no person or organization is an insured with respect to:



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**a.** "Bodily injury" to a co-"employee" of the person operating the watercraft; or

**b.** "Property damage" to property owned by, rented to, in the charge of or occupied by you or the employer of any person who is an insured under this provision.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

**D. LIABILITY AND MEDICAL EXPENSES LIMITS OF INSURANCE**

**1. The Most We Will Pay**

The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

**a.** Insureds;

**b.** Claims made or "suits" brought; or

**c.** Persons or organizations making claims or bringing "suits".

**2. Aggregate Limits**

The most we will pay for:

**a.** Damages because of "bodily injury" and "property damage" included in the "products-completed operations hazard" is the Products-Completed Operations Aggregate Limit shown in the Declarations.

**b.** Damages because of all other "bodily injury", "property damage" or "personal and advertising injury", including medical expenses, is the General Aggregate Limit shown in the Declarations.

This General Aggregate limit does not apply to "property damage" to premises while rented to you or temporarily occupied by you with permission of the owner, arising out of fire, lightning or explosion.

**3. Each Occurrence Limit**

Subject to **2.a.** or **2.b** above, whichever applies, the most we will pay for the sum of all damages because of all "bodily injury", "property damage" and medical expenses arising out of any one "occurrence" is the Liability and Medical Expenses Limit shown in the Declarations.

The most we will pay for all medical expenses because of "bodily injury" sustained by any one person is the Medical Expenses Limit shown in the Declarations.

**4. Personal And Advertising Injury Limit**

Subject to **2.b.** above, the most we will pay for the sum of all damages because of all "personal and advertising injury" sustained by any one person or organization is the Personal and Advertising Injury Limit shown in the Declarations.

**5. Damage To Premises Rented To You Limit**

The Damage To Premises Rented To You Limit is the most we will pay under Business Liability Coverage for damages because of "property damage" to any one premises, while rented to you, or in the case of damage by fire, lightning or explosion, while rented to you or temporarily occupied by you with permission of the owner.

In the case of damage by fire, lightning or explosion, the Damage to Premises Rented To You Limit applies to all damage proximately caused by the same event, whether such damage results from fire, lightning or explosion or any combination of these.

**6. How Limits Apply To Additional Insureds**

The most we will pay on behalf of a person or organization who is an additional insured under this Coverage Part is the lesser of:

**a.** The limits of insurance required in a written contract, written agreement or permit; or

**b.** The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to the Limits of Insurance shown in the Declarations and described in this Section.

If more than one limit of insurance under this Policy and any endorsements attached thereto applies to any claim or "suit", the most we will pay under this Policy and the endorsements is the single highest limit of liability of all



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coverages applicable to such claim or "suit". However, this paragraph does not apply to the Medical Expenses limit set forth in Paragraph **3.** above.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

## E. LIABILITY AND MEDICAL EXPENSES GENERAL CONDITIONS

### 1. Bankruptcy

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

### 2. Duties In The Event Of Occurrence, Offense, Claim Or Suit

#### a. Notice Of Occurrence Or Offense

You or any additional insured under this Coverage Part must see to it that we are notified as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, notice should include:

**(1)** How, when and where the "occurrence" or offense took place;

**(2)** The names and addresses of any injured persons and witnesses; and

**(3)** The nature and location of any injury or damage arising out of the "occurrence" or offense.

#### b. Notice Of Claim

If a claim is made or "suit" is brought against any insured, you or any additional insured under this Coverage Part must:

**(1)** Immediately record the specifics of the claim or "suit" and the date received; and

**(2)** Notify us as soon as practicable.

You or any additional insured under this Coverage Part must see to it that we receive a written notice of the claim or "suit" as soon as practicable.

#### c. Assistance And Cooperation Of The Insured

You and any other involved insured must:

**(1)** Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or “suit”;

**(2)** Authorize us to obtain records and other information;

**(3)** Cooperate with us in the investigation, settlement of the claim or defense against the "suit"; and

**(4)** Assist us, upon our request, in the enforcement of any right against any person or organization that may be liable to the insured because of injury or damage to which this insurance may also apply.

#### d. Obligations At The Insured's Own Cost

No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

#### e. Additional Insured's Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured under this Coverage Part, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract, written agreement or permit that this insurance is primary and non-contributory with such additional insured's own insurance.

#### f. Knowledge Of An Occurrence, Offense, Claim Or Suit

Paragraphs **a.** and **b.** apply to you or to any additional insured under this Coverage Part only when such "occurrence", offense, claim or "suit" is known to:



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**(1)** You or any additional insured under this Coverage Part that is an individual;

**(2)** Any partner, if you or an additional insured under this Coverage Part is a partnership;

**(3)** Any manager, if you or an additional insured under this Coverage Part is a limited liability company;

**(4)** Any "executive officer" or insurance manager, if you or an additional insured under this Coverage Part is a corporation;

**(5)** Any trustee, if you or an additional insured under this Coverage Part is a trust; or

**(6)** Any elected or appointed official, if you or an additional insured under this Coverage Part is a political subdivision or public entity.

This Paragraph **f.** applies separately to you and any additional insured under this Coverage Part.

**3. Legal action Against Us**

No person or organization has a right under this Coverage Part:

**a.** To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or

**b.** To sue us on this Coverage Part unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this insurance or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

**4. Separation Of Insureds**

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Policy to the first Named Insured, this insurance applies:

**a.** As if each Named Insured were the only Named Insured; and

**b.** Separately to each insured against whom a claim is made or "suit" is brought.

**5. Representations**

**a. When You Accept This Policy**

By accepting this Policy, you agree:

**(1)** The statements in the Declarations are accurate and complete;

**(2)** Those statements are based upon representations you made to us; and

**(3)** We have issued this Policy in reliance upon your representations.

**b. Unintentional Failure To Disclose Hazards**

If unintentionally you should fail to disclose all hazards relating to the conduct of your business at the inception date of this Coverage Part, we shall not deny any coverage under this Coverage Part because of such failure.

**6. Other Insurance**

If other valid and collectible insurance is available for a loss we cover under this Coverage Part, our obligations are limited as follows:

**a. Primary Insurance**

This insurance is primary except when **b.** below applies. If other insurance is also primary, we will share with all that other insurance by the method described in **c.** below.

**b. Excess Insurance**

This insurance is excess over any of the other insurance, whether primary, excess, contingent or on any other basis:

**(1) Your Work**

That is Fire, Extended Coverage, Builder's Risk, Installation Risk, Owner Controlled Insurance Program or OCIP, Contractor Controlled Insurance Program or CCIP, Wrap Up Insurance or similar coverage for "your work";



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**(2) Premises Rented To You**

That is fire, lightning or explosion insurance for premises rented to you or temporarily occupied by you with permission of the owner;

**(3) Tenant Liability**

That is insurance purchased by you to cover your liability as a tenant for "property damage" to premises rented to you or temporarily occupied by you with permission of the owner;

**(4) Aircraft, Auto Or Watercraft**

If the loss arises out of the maintenance or use of aircraft, "autos" or watercraft to the extent not subject to Exclusion **g.** of Section **B.** Exclusions.

**(5) Property Damage To Borrowed Equipment Or Use Of Elevators**

If the loss arises out of "property damage" to borrowed equipment or the use of elevators to the extent not subject to Exclusion **k.** of Section **B.** Exclusions.

**(6) When You Are Added As An Additional Insured To Other Insurance**

That is other insurance available to you covering liability for damages arising out of the premises or operations, or products and completed operations, for which you have been added as an additional insured by that insurance; or

**(7) When You Add Others As An Additional Insured To This Insurance**

That is other insurance available to an additional insured.

However, the following provisions apply to other insurance available to any person or organization who is an additional insured under this Coverage Part:

**(a) Primary Insurance When Required By Contract**

This insurance is primary if you have agreed in a written contract, written agreement or permit that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in **c.** below.

**(b) Primary And Non-Contributory To Other Insurance When Required By Contract**

If you have agreed in a written contract, written agreement or permit that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs **(a)** and **(b)** do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty under this Coverage Part to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

**(1)** The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

**(2)** The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, with any other insurance that is not described in this Excess Insurance provision and was not bought specifically to apply in excess of the Limits of Insurance shown in the Declarations of this Coverage Part.

**c. Method Of Sharing**

If all the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.



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If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

**7. Transfer Of Rights Of Recovery Against Others To Us**

**a. Transfer Of Rights Of Recovery**

If the insured has rights to recover all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them. This condition does not apply to Medical Expenses Coverage.

**b. Waiver Of Rights Of Recovery (Waiver Of Subrogation)**

If the insured has waived any rights of recovery against any person or organization for all or part of any payment, including Supplementary Payments, we have made under this Coverage Part, we also waive that right, provided the insured waived their rights of recovery against such person or organization in a contract, agreement or permit that was executed prior to the injury or damage.

## F. LIABILITY AND MEDICAL EXPENSES DEFINITIONS

**1.** "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purpose of this definition:

**a.** Notices that are published include material placed on the Internet or on similar electronic means of communication; and

**b.** Regarding web sites, only that part of a web site that is about your goods, products or services for the purpose of attracting customers or supporters is considered an advertisement.

**2.** "Advertising idea" means any idea for an "advertisement".

**3.** "Asbestos hazard" means an exposure or threat of exposure to the actual or alleged properties of asbestos and includes the mere presence of asbestos in any form.

**4.** "Auto" means:

**a.** A land motor vehicle, trailer or semi-trailer designed for travel on public roads, including any attached machinery or equipment; or

**b.** Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance or motor vehicle registration law where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".

**5.** "Bodily injury" means physical:

**a.** Injury;

**b.** Sickness; or

**c.** Disease

sustained by a person and, if arising out of the above, mental anguish or death at any time.

**6.** "Coverage territory" means:

**a.** The United States of America (including its territories and possessions), Puerto Rico and Canada;

**b.** International waters or airspace, but only if the injury or damage occurs in the course of travel or transportation between any places included in **a.** above;

**c.** All other parts of the world if the injury or damage arises out of:

**(1)** Goods or products made or sold by you in the territory described in **a.** above;

**(2)** The activities of a person whose home is in the territory described in **a.** above, but is away for a short time on your business; or



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**(3)** "Personal and advertising injury" offenses that take place through the Internet or similar electronic means of communication.

provided the insured's responsibility to pay damages is determined in the United States of America (including its territories and possessions), Puerto Rico or Canada, in a "suit" on the merits according to the substantive law in such territory, or in a settlement we agree to.

**7.** "Electronic data" means information, facts or computer programs stored as or on, created or used on, or transmitted to or from computer software (including systems and applications software), on hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other repositories of computer software which are used with electronically controlled equipment. The term computer programs, referred to in the foregoing description of “electronic data”, means a set of related electronic instructions which direct the operations and functions of a computer or device connected to it, which enable the computer or device to receive, process, store, retrieve or send data.

**8.** "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".

**9.** "Executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any other similar governing document.

**10.** "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.

**11.** "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:

**a.** It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or

**b.** You have failed to fulfill the terms of a contract or agreement;

if such property can be restored to use by:

**a.** The repair, replacement, adjustment or removal of "your product" or "your work"; or

**b.** Your fulfilling the terms of the contract or agreement.

**12.** "Insured contract" means:

**a.** A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire, lightning or explosion to premises while rented to you or temporarily occupied by you with permission of the owner is subject to the Damage To Premises Rented To You limit described in Section **D.** Liability And Medical Expenses Limits Of Insurance.

**b.** A sidetrack agreement;

**c.** Any easement or license agreement, including an easement or license agreement in connection with construction or demolition operations on or within 50 feet of a railroad;

**d.** Any obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;

**e.** An elevator maintenance agreement; or

**f.** That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph **f.** includes that part of any contract or agreement that indemnifies a railroad for "bodily injury" or "property damage" arising out of construction or demolition operations within 50 feet of any railroad property and affecting any railroad bridge or trestle, tracks, road-beds, tunnel, underpass or crossing.

However, Paragraph **f.** does not include that part of any contract or agreement:

**(1)** That indemnifies an architect, engineer or surveyor for injury or damage arising out of:

**(a)** Preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders, designs or drawings and specifications; or

**(b)** Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or



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**(2)** Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in **(1)** above and supervisory, inspection, architectural or engineering activities.

**13.** "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".

**14.** "Loading or unloading" means the handling of property:

**a.** After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";

**b.** While it is in or on an aircraft, watercraft or "auto"; or

**c.** While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;

but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".

**15.** "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:

**a.** Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;

**b.** Vehicles maintained for use solely on or next to premises you own or rent;

**c.** Vehicles that travel on crawler treads;

**d.** Vehicles, whether self-propelled or not, on which are permanently mounted:

**(1)** Power cranes, shovels, loaders, diggers or drills; or

**(2)** Road construction or resurfacing equipment such as graders, scrapers or rollers;

**e.** Vehicles not described in **a., b., c.,** or **d.** above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:

**(1)** Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or

**(2)** Cherry pickers and similar devices used to raise or lower workers;

**f.** Vehicles not described in **a., b., c.,** or **d.** above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

**(1)** Equipment, of at least 1,000 pounds gross vehicle weight, designed primarily for:

**(a)** Snow removal;

**(b)** Road maintenance, but not construction or resurfacing; or

**(c)** Street cleaning;

**(2)** Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and

**(3)** Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, “mobile equipment” does not include any land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance or motor vehicle registration law where they are licensed or principally garaged. Land vehicles subject to a compulsory or financial responsibility law or other motor vehicle insurance law or motor vehicle registration law are considered “autos”.

**16.** "Occurrence" means an accident, including continuous or repeated exposure to substantially the same general harmful conditions.

**17.** "Personal and advertising injury" means injury, including consequential "bodily injury", arising out of one or more of the following offenses:



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**a.** False arrest, detention or imprisonment;

**b.** Malicious prosecution;

**c.** The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person or organization occupies, committed by or on behalf of its owner, landlord or lessor;

**d.** Oral, written, electronic, or any other manner of publication of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services;

**e.** Oral, written, electronic, or any other manner of publication of material that violates a person's right of privacy;

**f.** Copying, in your "advertisement", a person's or organization's "advertising idea" or style of "advertisement"; or

**g.** Infringement of copyright, slogan, or title of any literary or artistic work, in your "advertisement".

**18.** "Pollutants" means any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.

**19.** "Products-completed operations hazard";

**a.** Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:

**(1)** Products that are still in your physical possession; or

**(2)** Work that has not yet been completed or abandoned. However, "your work" will be deemed to be completed at the earliest of the following times:

**(a)** When all of the work called for in your contract has been completed.

**(b)** When all of the work to be done at the job site has been completed if your contract calls for work at more than one job site.

**(c)** When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.

Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.

The "bodily injury" or "property damage" must occur away from premises you own or rent, unless your business includes the selling, handling or distribution of "your product" for consumption on premises you own or rent.

**b.** Does not include "bodily injury" or "property damage" arising out of:

**(1)** The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition was created by the "loading or unloading" of that vehicle by any insured; or

**(2)** The existence of tools, uninstalled equipment or abandoned or unused materials.

**20.** "Property damage" means:

**a.** Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it; or

**b.** Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of "occurrence" that caused it.

As used in this definition, "electronic data" is not tangible property.

**21.** "Suit" means a civil proceeding in which damages because of "bodily injury", "property damage" or "personal and advertising injury" to which this insurance applies are alleged. "Suit" includes:

**a.** An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or

**b.** Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.



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**22.** "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.

**23.** "Unmanned aircraft" means an aircraft that is not:

**a.** Designed;

**b.** Manufactured; or

**c.** Modified after manufacture;

to be controlled directly by a person from within or on the aircraft.

**24.** "Volunteer worker" means a person who:

**a.** Is not your "employee";

**b.** Donates his or her work;

**c.** Acts at the direction of and within the scope of duties determined by you; and

**d.** Is not paid a fee, salary or other compensation by you or anyone else for their work performed for you.

**25.** "Your product":

**a.** Means:

**(1)** Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:

**(a)** You;

**(b)** Others trading under your name; or

**(c)** A person or organization whose business or assets you have acquired; and

**(2)** Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.

**b.** Includes:

**(1)** Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your product"; and

**(2)** The providing of or failure to provide warnings or instructions.

**c.** Does not include vending machines or other property rented to or located for the use of others but not sold.

**26.** "Your work":

**a.** Means:

**(1)** Work or operations performed by you or on your behalf; and

**(2)** Materials, parts or equipment furnished in connection with such work or operations.

**b.** Includes:

**(1)** Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work"; and

**(2)** The providing of or failure to provide warnings or instructions.



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# BLANKET ADDITIONAL INSURED BY CONTRACT

This endorsement modifies insurance provided under the following:

**BUSINESS LIABILITY COVERAGE FORM**

Except as otherwise stated in this endorsement, the terms and conditions of the Policy apply.

**A.** The following is added to Section **C. WHO IS AN INSURED**:

**Additional Insureds When Required By Written Contract, Written Agreement Or Permit**

The person(s) or organization(s) identified in Paragraphs **a**. through **f**. below are additional insureds when you have agreed, in a written contract or written agreement, or when required by a written permit issued by a state or governmental agency or subdivision or political subdivision that such person or organization be added as an additional insured on your Coverage Part, provided the injury or damage occurs subsequent to the execution of the contract or agreement, or the issuance of the permit.

A person or organization is an additional insured under this provision only for that period of time required by the contract, agreement or permit.

However, no such person or organization is an additional insured under this provision if such person or organization is included as an additional insured by any other endorsement issued by us and made a part of this Coverage Part.

The insurance afforded to such additional insured will not be broader than that which you are required by the contract, agreement, or permit to provide for such additional insured.

The insurance afforded to such additional insured only applies to the extent permitted by law.

The limits of insurance that apply to additional insureds are described in Section **D. LIABILITY AND MEDICAL EXPENSES LIMITS OF INSURANCE**. How this insurance applies when other insurance is available to an additional insured is described in the Other Insurance Condition in Section **E. LIABILITY AND MEDICAL EXPENSES GENERAL CONDITIONS**.

**a. Vendors**

Any person(s) or organization(s) (referred to below as vendor), but only with respect to "bodily injury" or "property damage" arising out of "your products" which are distributed or sold in the regular course of the vendor's business and only if this Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

**(1)** The insurance afforded to the vendor is subject to the following additional exclusions:

This insurance does not apply to:

**(a)** "Bodily injury" or "property damage" for which the vendor is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the vendor would have in the absence of the contract or agreement;

**(b)** Any express warranty unauthorized by you;

**(c)** Any physical or chemical change in the product made intentionally by the vendor;

**(d)** Repackaging, except when unpacked solely for the purpose of inspection, demonstration, testing, or the substitution of parts under instructions from the manufacturer, and then repackaged in the original container;

**(e)** Any failure to make such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products;

**(f)** Demonstration, installation, servicing or repair operations, except such operations performed at the vendor's premises in connection with the sale of the product;



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**(g)** Products which, after distribution or sale by you, have been labeled or relabeled or used as a container, part or ingredient of any other thing or substance by or for the vendor; or

**(h)** "Bodily injury" or "property damage" arising out of the sole negligence of the vendor for its own acts or omissions or those of its employees or anyone else acting on its behalf. However, this exclusion does not apply to:

**(i)** The exceptions contained in Paragraphs **(d)** or **(f)**; or

**(ii)** Such inspections, adjustments, tests or servicing as the vendor has agreed to make or normally undertakes to make in the usual course of business, in connection with the distribution or sale of the products.

**(2)** This insurance does not apply to any insured person or organization from whom you have acquired such products, or any ingredient, part or container, entering into, accompanying or containing such products.

**b. Lessors Of Equipment**

**(1)** Any person or organization from whom you lease equipment; but only with respect to their liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your maintenance, operation or use of equipment leased to you by such person or organization.

**(2)** With respect to the insurance afforded to these additional insureds, this insurance does not apply to any "occurrence" which takes place after you cease to lease that equipment.

**c. Lessors Of Land Or Premises**

**(1)** Any person or organization from whom you lease land or premises, but only with respect to liability arising out of the ownership, maintenance or use of that part of the land or premises leased to you.

**(2)** With respect to the insurance afforded to these additional insureds, this insurance does not apply to:

**(a)** Any "occurrence" which takes place after you cease to lease that land or be a tenant in that premises; or

**(b)** Structural alterations, new construction or demolition operations performed by or on behalf of such person or organization.

**d. Architects, Engineers Or Surveyors**

**(1)** Any architect, engineer, or surveyor, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

**(a)** In connection with your premises;

**(b)** In the performance of your ongoing operations performed by you or on your behalf; or

**(c)** In connection with "your work" and included within the "products-completed operations hazard", but only if:

**(i)** The written contract, written agreement or permit requires you to provide such coverage to such additional insured; and

**(ii)** This Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

**(2)** With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of or the failure to render any professional services, including:

**(i)** The preparing, approving, or failure to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders, designs or drawings and specifications; or

**(ii)** Supervisory, surveying, inspection, architectural or engineering activities.

This exclusion applies even if the claims allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by an insured, if the “bodily injury”, “property



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damage", or "personal and advertising injury" arises out of the rendering of or the failure to render any professional service.

**e. State Or Governmental Agency Or Subdivision Or Political Subdivision Issuing Permit**

**(1)** Any state or governmental agency or subdivision or political subdivision, but only with respect to operations performed by you or on your behalf for which the state or governmental agency or subdivision or political subdivision has issued a permit.

**(2)** With respect to the insurance afforded to these additional insureds, this insurance does not apply to:

**(a)** "Bodily injury", "property damage" or "personal and advertising injury" arising out of operations performed for the federal government, state or municipality; or

**(b)** "Bodily injury" or "property damage" included within the "products-completed operations hazard".

**f. Any Other Party**

**(1)** Any other person or organization who is not in one of the categories or classes listed above in Paragraphs **a**. through **e**. above, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

**(a)** In the performance of your ongoing operations performed by you or on your behalf;

**(b)** In connection with your premises owned by or rented to you; or

**(c)** In connection with "your work" and included within the "products-completed operations hazard", but only if:

**(i)** The written contract, written agreement or permit requires you to provide such coverage to such additional insured; and

**(ii)** This Coverage Part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

**(2)** With respect to the insurance afforded to these additional insureds, the following additional exclusion applies:

This insurance does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

**(a)** The preparing, approving, or failure to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders, designs or drawings and specifications; or

**(b)** Supervisory, surveying, inspection, architectural or engineering activities.

This exclusion applies even if the claims allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by an insured, if the "bodily injury", "property damage", or "personal and advertising injury" arises out of the rendering of or the failure to render any professional service described in Paragraphs **f.(2)(a)** or **f**.**(2)(b)** above.



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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT - CALIFORNIA

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. (This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.)

You must maintain payroll records accurately segregating the remuneration of your employees while engaged in the work described in the Schedule.

The additional premium for this endorsement shall be % of the California workers' compensation premium otherwise due on such remuneration.

**SCHEDULE**

| Person or Organization | Job Description |
|---|---|
| BLANKET PER WRITTEN CONTRACT | |

**Form WC 04 03 06**

# Administrative Report

H.6., **File #** 25-1391 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ANDREW WINJE, PUBLIC WORKS DIRECTOR

## TITLE

APPROVE A CHARGE READY TRANSPORT PROGRAM PARTICIPATION AGREEMENT WITH SOUTHERN CALIFORNIA EDISON FOR INSTALLATION OF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE AT THE CITY'S PUBLIC WORKS YARD AT 531 NORTH GERTRUDA

APPROVE THE GRANTING OF AN EASEMENT TO SOUTHERN CALIFORNIA EDISON AT THE CITY'S PUBLIC WORKS YARD TO ALLOW FOR CONSTRUCTION AND MAINTENANCE OF THE NEW ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

## EXECUTIVE SUMMARY

Staff recommends approving an agreement with Southern California Edison (SCE) to provide electric vehicle charging infrastructure for medium to heavy-duty Public Works fleet vehicles as part of SCE's Charge Ready Transport (CRT) Program. Specifically, the agreement would allow for the installation of ten charging ports at the City's Public Works Yard to support electric vehicles in the City's Public Works fleet. Staff also recommends approval of an Easement that would allow SCE to maintain the electric charging infrastructure on the utility and customer sides of the electric meter following construction. Once SCE constructs the electric infrastructure, the City would purchase and install the charging equipment needed to activate/utilize the charge ports. The City's portion of the project would be funded by a recently awarded Clean Power Alliance grant.

## BACKGROUND

The SCE CRT Program is intended to provide infrastructure for electric vehicle charging for SCE customers operating medium to heavy-duty vehicles. The CRT Program is available to qualifying customers to assist with the transition to electric vehicles by reducing costs associated with the purchase and installation of electric vehicle charging infrastructure. As part of the program, SCE designs, constructs, and installs the infrastructure on both the utility and customer sides of the electric meter including, electrical design, permits, construction, transformers, trenching, and pedestals for the charging stations at no direct cost to the City.

SCE worked with City staff to identify a number of possible sites for the CRT Program including, the Public Works Yard (531 N. Gertruda) and Public Works Parks Yard (1513 Beryl Street). Following coordination with staff from the SCE CRT program, City staff are recommending an SCE Program Participation Agreement for the Public Works Yard site. A site assessment was conducted on April 16, 2025 and a conceptual design plan was subsequently created by SCE (included in the CRT Program Participant Agreement). The City is now at Phase B, Step #6 in the SCE CRT Activity Plan

shown below.

**Figure 4: Program Design – Activity Flow Chart**

Figure1: SCE CRT Activity Plan

If Council approves the proposed Agreement, it would be the responsibility of the City to purchase and install the charging stations once the SCE work is complete, on both the utility and customer sides of the new meter, up to the first point of port interconnection. The proposed ten ports would consist of four ChargePoint Level 2 charging stations and one DC fast charger. If the agreement is approved, the City is obliged to meet all SCE requirements as follows:

- Purchase and install charging equipment listed in the SCE Approved Product List or that otherwise meets SCE requirements
- Maintain charging stations in good working order for a period of 10 years
- Adopt a vehicle acquisition plan and procure 10 medium to heavy-duty electric vehicles over the duration of the 10-year program participation agreement. At least two of the required units must arrive on-site within 18 months of application submission. (SCE has approved the City's

two recent purchases of F-150 Lightnings as satisfying this initial requirement)

- Authorize the Mayor to sign the CRT Agreement on the SCE portal and agree to all terms including the indemnification and liability language presented by SCE
- Grant SCE an easement for installation and maintenance of charging infrastructure in perpetuity, or until the City requests to cancel the program and petitions SCE to quitclaim and release the easement. The easement document would be prepared by SCE for the Mayor's signature upon receipt of the fully executed SCE CRT Program Participation Agreement

The City continues to advance its objective of maintaining an efficient and environmentally sustainable vehicle fleet that meets operational requirements while ensuring compliance with State mandates. A key component of the City's vehicle acquisition plan is the phased transition to zero-emission vehicles (ZEVs), including the procurement of medium and heavy-duty electric vehicles where commercially viable models are available.

Pursuant to the California Air Resources Board's (CARB) Advanced Clean Fleets (ACF) regulation, State and local government agencies are required to integrate ZEVs into their fleets in accordance with established acquisition schedules. The City is currently implementing the 50% ZEV Purchase Plan, which mandates that, for every internal combustion engine (ICE) vehicle exceeding the 8,500 pounds gross vehicle weight rating (GVWR)-whether powered by gasoline, diesel, or compressed natural gas (CNG), a corresponding ZEV must be acquired.

Approval of the Southern California Edison SCE CRT Agreement will enable the City to install the electric vehicle charging infrastructure necessary to support fleet electrification at the Public Works Yard. Under this agreement, the City would be responsible for procuring and installing 10 charging ports, which staff intends to fund using a recently awarded Clean Power Alliance grant. This infrastructure investment represents a critical step toward meeting ACF compliance requirements and advancing the City's broader sustainability and emissions reduction goals.

## COORDINATION

The City Attorney's Office approved the proposed agreement as to form.

## FISCAL IMPACT

The SCE CRT Program Participation Agreement would allow for the construction of electric vehicle charging infrastructure at no cost to the City. Following installation of the infrastructure, the City would be required to purchase and install the charging equipment needed to activate/utilize the 10 charging parts energized by SCE. Funding for the charging equipment is available through a Clean Power Alliance grant recently awarded to the City. No General Funds would be used to complete the City's portion of the CRT Program Participation Agreement.

**APPROVED BY:**
*Mike Witzansky, City Manager*

## ATTACHMENTS

- Agmt - Southern California Edison Charge Ready Transport Program Participation Agreement
- Agmt - Sample Southern California Edison Company Grant of Easement

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# CHARGE READY TRANSPORT PROGRAM PARTICIPATION AGREEMENT

This Charge Ready Transport Program Participation Agreement (Agreement) sets forth the terms and conditions for Program Participant to participate in the Charge Ready Transport Program. Pursuant to the terms of this Agreement, SCE will (1) design, procure, and install the Infrastructure (as defined herein) at no cost to the Program Participant; and (2) if applicable, remit the Charging Equipment Rebate and the Make-Ready Rebate after all terms and conditions have been met by the Program Participant.

All Program Participants are eligible for no-cost installation of the utility-side and customer-side make-ready infrastructure. Only Program Participants meeting one of the following requirements will be eligible for the Charging Equipment Rebate:

(1) Program Participant is installing Charging Equipment listed on the Approved Product List (APL) to service transit or school buses; or

(2) Program Participant is installing Charging Equipment listed on the APL at a project site that is located in a designated Disadvantaged Community (DAC) and the Program Participant is NOT listed on the Fortune 1000 list.

Program Participant hereby agrees to the following terms and conditions of the Charge Ready Transport Program (the "Program").

## APPROVED CHARGING EQUIPMENT

1.

Total Number of Approved Charging Equipment:

The commitment to procure and install the approved Electric Vehicle Supply Equipment (EVSE) applies whether or not the Program Participant is eligible for the Charging Equipment Rebate, as SCE will design and install the Infrastructure based on this commitment.

The Program Participant is required to install the approved EVSE Count set forth in this Agreement. Failure to procure and install the agreed upon EVSE Count will constitute a breach of this Agreement, which may result in termination by SCE, at SCE's discretion, and a requirement for the Program Participant to reimburse SCE for certain costs (see Section 10 of Agreement).

Approved EVSE Count:

| EVSE Count | Power Output Level |
|---|---|
| 4 | 0 - 19.2 kW |
| 1 | 50 - 149.9 kW |

EVSE stands for Electric Vehicle Supply Equipment. For most sites, the EVSE consists of a charging station and the EVSE count is equal to the charging station count.

However, for modular DC systems, the EVSE consists of a power cabinet and dispensers. The power cabinets and dispensers will determine the EVSE count and power output level.

2. Charging Equipment Rebate Amount (if applicable):

If Program Participant is eligible for the Charging Equipment Rebate, the rebate amount paid to the Program Participant will be reduced to ensure that when combined with any other third-party rebates or incentives, the total rebate received by Program Participant does not exceed the Program Participant's total costs for procuring and installing the equipment. Following the successful installation of the Charging Equipment, the Program Participant will certify whether it has received any other third-party rebates or incentives, so that SCE can determine the appropriate Charging Equipment Rebate.

The following table provides the current charging equipment rebate amount categorized by power output level. These values will be used when calculating incentives for rebate eligible participants.

| Power Output Rebate Category | Eligible Rebate Amount* |
|---|---|
| 0 kW - 19.2 kW | 50% of the cost of EVSE, up to $1,800 |
| 19.3 kW - 49.9 kW | 50% of the cost of EVSE, up to $7,800 |
| 50 kW - 149.9 kW | 50% of the cost of EVSE, up to $23,300 |
| 150+ kW | 50% of the cost of EVSE, up to $39,200 |
| *Rebate only covers hardware cost--no other costs such as installation or networking | |

EVSE stands for Electric Vehicle Supply Equipment. For most sites, the EVSE consists of a charging station and the EVSE count is equal to the charging station count.

However, for modular DC systems, the EVSE consists of a power cabinet and dispensers. The power cabinets and dispensers will determine the EVSE count and power output rebate category. SCE will include the total cost of the power cabinet and dispensers in rebate calculation.

## APPROVED SITE LOCATION AND DESIGN

3. Description of Approved Location at the Site: **Parking lot southeast of main building along east/southeast corner and edge of property**

4. Conceptual Design of the Charge Ready Transport deployment on Program Participant's Site: **Attached**

## MAKE-READY INFRASTRUCTURE WORK

5. The Make-Ready infrastructure:
- ☐ **self-installed customer-side make-ready**
- ☑ **SCE-installed make-ready**

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# APPROVED VEHICLE ACQUISITION PLAN

The Program Participant agrees to adhere to the Electric Vehicle (EV) Acquisition Plan as described below. The Plan may only be modified with consent of SCE, in SCE's sole discretion. For Transport Refrigeration Units (TRUs), the Vehicle Acquisition Plan is a commitment that the stated number of unique TRUs will use the infrastructure within the estimated delivery date. These TRUs may be owned/leased by the customer or owned/leased by others using the site. For Truck Stop Electrification (TSE), the Vehicle Acquisition Plan is a commitment that the stated number of unique vehicles will use the infrastructure within the estimated delivery date. These vehicles may be owned/leased by the customer or owned/leased by others using the site.

Vehicle Acquisition Plan:

| Delivery Date | Vehicle Class | Vehicle Count |
|---|---|---|
| August 2030 | Medium duty on-road vehicle | 2 |
| August 2032 | Medium duty on-road vehicle | 2 |
| August 2034 | Medium duty on-road vehicle | 2 |
| August 2026 | Medium duty on-road vehicle | 2 |
| August 2028 | Medium duty on-road vehicle | 2 |

# PROGRAM PARTICIPATION TERMS AND CONDITIONS

Program Participant agrees that its participation in the Charge Ready Transport Program is subject to the following terms and conditions:

6. Definitions: Any capitalized terms used in this Agreement not otherwise defined herein shall have the meaning set forth in the Program Handbook, which is incorporated into this Agreement by reference.

**AHJ – Authority Having Jurisdiction:**
The responsible government entity having geographically-based jurisdiction that typically approves, inspects and permits construction projects (e.g., City, County, Fire, Division of State Architect, etc.).

**Approved Product List:**
The list of Charging Equipment qualified by SCE and meeting SCE's technical requirements. Program Participant must select Charging Equipment from the Approved Product List in order to receive a Charging Equipment Rebate (if available).

**CalEnviroScreen:**
The California Communities Environmental Health Screening Tool (CalEnviroScreen) was released by the Office of Environmental Health Hazard Assessment (OEHHA), on behalf of the California Environmental Protection Agency (CalEPA). CalEnviroScreen identifies California communities by census tract that are disproportionately burdened by, and vulnerable to, multiple sources of pollution. For more information, please visit https://oehha.ca.gov/calenviroscreen.

**Charge Ready Portal:**
The website where Program Participants can apply for the Program, check application status, and upload most required documents (https://chargereadytransport.sce.com).

**Charging Equipment:**
Qualifying Charging Equipment that meets the technical specifications set forth by SCE. Charging Equipment that qualifies for the Rebate, if available, are listed in the Approved Product List, which can be found through the Program's web portal (https://chargereadytransport.sce.com).

**Charging Equipment Supplier:**
The entity from which the Charging Equipment is purchased.

**Charging Equipment Rebate:**
Financial reimbursement paid to an eligible Program Participant, or its designee, pursuant to this Agreement, to off-set a portion of the purchase of approved Charging Equipment.

**Charging Station:**
An individual charging station unit that may contain one or more charging ports for the purpose of connecting the electric vehicle to a grid-connected power source capable of recharging the vehicle's battery pack. The individual connectors of the Charging Station are referred to as ports. Each charging station can charge one or more vehicles depending on the number of ports the unit is equipped with.

**Commitment Period:**
The 10-year period where Program Participant must maintain all Charging Equipment in working order at the Site. The Commitment Period will commence on the In-Service Date of the Charging Equipment.

**Conceptual Design:**
Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement.

**California Public Utilities Commission (CPUC):**
The California state regulatory agency that is responsible for regulating privately owned electric, natural gas, telecommunications, water, railroad, rail transit, and passenger transportation companies.

**CPUC's Transportation Electrification Safety Requirements Checklist:**
The Safety Requirements Checklist applies to CPUC-Approved Transportation Electrification Programs and can be downloaded from: www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=6442458882.

**Customer-Side of the Meter Infrastructure:**
Necessary infrastructure on the customer's side of the meter.

**Disadvantaged Communities (DACs):**
Census tracts in SCE's service territory with a top quartile score according to the latest version of California Environmental Protection Agency's CalEnviroScreen tool.

**Electric Vehicle Infrastructure Training Program (EVITP) Certification:**
The document certifying an electrician has gone through the Electric Vehicle Infrastructure Training Program process. For more information, please visit https://www.evitp.org.

**Electric Vehicle Supply Equipment (EVSE):**
For most sites, the EVSE consists of a charging station. For modular DC systems, the EVSE consists of a power cabinet and dispensers.

**Eligible TOU Rates:**
All SCE TOU rate plans, which feature energy charges that vary based on the time of day, the day of the week, and the season. Some plans also include demand charges that are based on the maximum amount of electricity your business uses at once. For more information, please visit https://www.sce.com/business/rates/time-of-use", or https://www.sce.com/business/rates/electric-car-business-rates.

**Final Design:**

Map and related documents, as applicable, that show the proposed layout of the Infrastructure and Charging Equipment, including but not limited to, conduit routing and equipment placement. The Final Design is the engineered construction drawing submitted for permitting and will be completed after this Agreement is executed and prior to start of construction.

**Final Invoice:**

Statement of the total amount paid by Program Participant to Charging Equipment Supplier(s) for the purchase of Charging Equipment.

**Grant of Easement:**

A contractual agreement to grant right of way for SCE to construct, maintain, operate, and repair any SCE-installed infrastructure.

**In-Service Date:**

The date in which a Charging Equipment is installed and operational.

**Infrastructure:**

The necessary Infrastructure on both the utility-side and customer-side of the electric meter (i.e., "make-ready") that SCE will design, purchase, construct, and install at no cost to the Program Participant pursuant to this Agreement. Infrastructure, as defined herein, does NOT include (1) purchase or installation of the Charging Equipment; or (2) the customer-side portion of the make-ready infrastructure, if the Program Participant elects the Self-Installed Customer-Side Make-Ready option.

**Make-Ready Infrastructure:**

Infrastructure and Customer Side of the Meter Infrastructure are, taken together, also referred to as the make-ready infrastructure. The utility-side make-ready infrastructure includes all infrastructure work from SCE's distribution system to a new circuit panel that will be installed to support EV charging. SCE will ALWAYS be responsible for designing, procuring, installing and maintaining the necessary infrastructure located on the utility side of the meter. The Customer-Side Make-Ready infrastructure includes all infrastructure from the new panel that will be set as part of the utility-side infrastructure work, up to the first point of interconnection with the Participant's Charging Equipment.

**Make-Ready Rebate:**

The rebate intended to offset a portion of the Participant's costs if Participant elects to perform the customer-side make-ready infrastructure work, following the completed installation of the make-ready infrastructure and submission of required documentation.

**Network Service Provider:**

The third-party entity that will provide Network Services for the Charging Equipment. The Network Service Provider will be required to transmit port level data and other information to SCE complying with Program requirements. The specific requirements are further described in the Program Handbook.

**Preliminary Design:**

The set of engineered, working drawings of the Infrastructure. The design includes project specifications, conduit routing, electrical equipment specifications and calculations, project related Site improvements and construction details.

**Program:**

Also referred to as the Charge Ready Transport Program (CRTP). The Charge Ready Transport Program is designed to help Program Participants install the charging infrastructure needed to electrify their medium- and heavy-duty fleets and non-road vehicles.

**Program Handbook:**

The Charge Ready Transport Program Handbook is a document that provides a description of the Program offering, Program Participant obligations and related activities. The Program Handbook is incorporated into this Agreement by reference, and the Program Participant and SCE are required to follow the Program Handbook, as such document may be amended or supplemented from time to time.

**Program Participant or Customer:**

The SCE non-residential customer that enters into this Agreement.

**Property Owner/Site Owner:**

Individual or entity authorized representative of entity holding title in the Site where the Charging Equipment and Infrastructure will be located.

**Rebate Payment:**

The payment made by SCE to Program Participant, or its designated assignee, after the eligible Program Participant procures and installs the Charging Equipment or meets the requirements of the Make-Ready Rebate, in accordance with this Agreement, as verified by SCE, in SCE's sole discretion. The Rebate Payment may include the Charging Equipment Rebate, the Make-Ready Rebate, or both as applicable.

**Reservation Approved Date:**

Date on which the Agreement is executed by SCE, which will be after the Program Participant executes the Agreement. The Reservation Approved Date is set forth in Section 24 hereof.

**Site:**

The premises, owned, leased or operated by Program Participant, where the Charging Equipment will be installed.

**Utility-side Infrastructure:**

See "Make-Ready Infrastructure".

7. Eligibility:

Program Participant certifies that it meets, and will continue to meet throughout its participation in the Program, all eligibility requirements of the Program, including, but not limited to:

a. Program Participant agrees to purchase and install the Charging Equipment, as set forth in this Agreement. Program Participant agrees that the number of Charging Stations, the models and their charging level cannot be modified after execution of this Agreement, without express written consent of SCE, at SCE's discretion.

b. Program Participant agrees to adhere to the Electric Vehicle (EV) Acquisition Plan.

c. Program Participant is a non-residential SCE customer with at least one active service account with SCE.

d. The Site is located in SCE's service territory.

e. Program Participant agrees to provide, or cause the Site Owner to provide, SCE with the rights of way across public or private property (as applicable) and to obtain any necessary permits to install Charging Equipment, without cost to SCE.

f. Program Participant will comply with all Program requirements outlined in the Program Handbook.

8. Program Participant Obligations and Representations and Warranties:

a. Agrees that any Charging Equipment installed will either be listed on SCE's Approved Product List or, if not listed, meets SCE's requirements as outlined in the Program Handbook. Program Participant will ensure that ALL Charging Equipment selected for installation under this Program, and during the commitment period, is first approved by SCE.

b. Agrees to procure, own, install, operate, and maintain the Charging Equipment in good working order at the site for not less than ten (10) years from the In-Service Date of Charging Equipment ("Commitment Period").

c. Agrees that if at any time during the Commitment Period the Charging Equipment is replaced, all associated costs will be the responsibility of the Program Participant.

d. Agrees to adhere to its Electric Vehicle (EV) Acquisition Plan. The Plan included in this Agreement may only be modified with consent of SCE, in SCE's sole discretion. Program Participant understands and agrees that it is responsible to pay a pro rata share of SCE's costs of the Infrastructure constructed to accommodate the EV Acquisition Plan, and, if applicable, to pay back a pro rata share of the Charging Equipment Rebate and Make-Ready Rebate paid by SCE to Program Participant or its designated assignee, if applicable, to the extent that Program Participant does not acquire all of the EVs set forth in the EV Acquisition Plan.

e. Agrees to contract with a qualified electric vehicle charging equipment Network Service Provider to record and transmit EV charging usage data supporting on-road vehicles for not less than five (5) years from the In-Service Date of the Charging Equipment.

f. Agree to obtain the consent of its qualified Network Service Provider to provide SCE, or SCE's designated agent or vendor, with access to certain information required by the CPUC, including, but not limited to, the duration of each charge, rate, cost, and load.

g. Agrees that SCE, or SCE's designated agent or vendor, may collect or receive this data directly from the Program Participant's contracted EV Network Service Provider.

h. Authorizes SCE to act on Program Participant's behalf to share Program Participant's billing records, billing history and all meter usage data used for bill calculation for all meters participating in the Charge Ready Transport program with third-party program evaluators. This authorization expires five (5) years from the date Program Participant turns on service for the EVSE installed as part of Charge Ready Transport.

i. Acknowledges and agrees that the actual Infrastructure may vary from the Conceptual Design, if, in SCE's sole discretion, actual Site conditions or AHJ direction requires such changes. If the Customer elects the "SCE-installed make-ready" option in Section 5 hereof, then Customer:

   a. Acknowledges and agrees that SCE shall own all Make-Ready Infrastructure, including but not limited to, the Customer Side Of The Meter Infrastructure on the Program Participant's property.

   b. Acknowledges and agrees that Program Participant will convey to SCE all already-existing Make-Ready Infrastructure located on the property and that is owned by the Customer, as well as provide any necessary easements, as may be required by SCE on the Customers or third party property for SCE to install, access, and maintain the Make-Ready Infrastructure. Customer shall convey any such necessary Make Ready Infrastructure or easements to SCE, promptly and using SCE's standard conveyance and/or easement agreements, as applicable, found at https://www.sce.com/business/electric-cars/charge-ready-transport/charge-ready-transport-resources

   c. Agrees to allow SCE to secure such access to the Make Ready Infrastructure located before SCE will energize any of the Make-Ready Infrastructure.

j. Acknowledges that funding pursuant to this Agreement is only reserved after SCE receives a copy of this Agreement signed by Program Participant and Property Owner (if different from Program Participant) and SCE executes the Agreement. The Program Participant also acknowledges that reserved funding may be withdrawn and SCE may terminate this Agreement, both in SCE's sole discretion, if Program Participant breaches the Agreement, including, but not limited to, failing to follow the EV Acquisition Plan or failing to construct and install the customer-side make-ready infrastructure, if Program Participant elects the Self-Installed Customer-Side Make-Ready.

k. Agrees to comply with all requirements, including providing the required documentation in the established timelines, set forth in the Charge Ready Transport Program Handbook.

l. Represents and warrants, to the best of Program Participant's knowledge after reasonable investigation, that the Site is free of hazardous contamination, other safety hazards, and other environmental or physical conditions impacting the ability to perform work on or at the Site.

m. Represents and warrants that in the event that Program Participant has applied for or received any other incentives or rebates for the Charging Equipment, Program Participant shall notify SCE of any such incentives or rebates as soon as reasonably practicable. In the event that any such incentives or rebates, when combined with the Charging Equipment Rebate, would reimburse Program Participant for more than 100 percent of the cost of the Charging Equipment, SCE shall decrease the Charging Equipment Rebate amount if not yet paid, or if already paid, submit a reimbursement request to the Program Participant for the amount of the Rebate Payment exceeding 100 percent of the cost of the Charging Equipment.

n. Agrees to submit a completed IRS tax form W-9, and California Franchise Tax Board form 590 if applicable, in order for SCE to process any Rebate Payment. If the Program Participant does not qualify to receive any rebates under this program, these forms will not be required.

o. Represents and warrants that the execution and delivery of this Agreement, and the performance by Program Participant of its obligations under this Agreement, have been duly and validly authorized, and this Agreement is a legal, valid and binding obligation of Program Participant.

p. Agrees to ensure state-licensed and insured general contractors and installers of any Self-Installed Customer-Side Make-Ready infrastructure are IBEW-signatory and EVITP certified.

q. Represents and warrants that it has, or will, contract with a licensed Charging Equipment installer that meets all requirements of the Program.

r. Agrees to participate in Customer Satisfaction Surveys following completion of the Project, upon request of SCE.

s. Agrees to ensure information of newly installed and accessible to the general public Charging Equipment are registered with the US Department of Energy's Alternative Fuel Data Center (https://afdc.energy.gov/stations/#/analyze) and only one set of information is reported between the Program Participant and Charging Equipment Supplier.

t. Agrees to comply with all requirements included in the CPUC's Transportation Electrification Safety Requirements Checklist for customer-side make-ready infrastructure work.

u. Agrees to report any charging equipment that is publicly-accessible to the US Department of Energy's EV Charging Station Locations mapping tool, accessible at: https://www.afdc.energy.gov/fuels/electricity_locations.html#/find/nearest?fuel=ELEC.

## 9. SCE Obligations:

a. SCE, at its sole discretion and in accordance with its applicable tariffs, design standards, and AHJ permitting requirem ents, will locate, design, and install the Infrastructure. SCE is responsible for all costs associated with Infrastructure deployed by SCE pursuant to this Agreement, except as otherwise specifically set forth herein. Notwithstanding the foregoing, SCE is not responsible for any costs to remedy any environmental or safety conditions at the Site. To that end, before commencing any work, SCE may require the Program Participant to fully complete, to the best of its ability, an SCE questionnaire regarding the relevant condition and history of the Site; and SCE and/or its contractors shall have the right to visually inspect all of the Site. Based on the questionnaire and Site visual inspection and any other available information, SCE, in its reasonable discretion: (i) may decline to proceed with any further work at the Site; or (ii) may decline to proceed with any further work at the Site except with Program Participant's agreement to additional reasonable environmental and other review and investigation of the Site, at Program Participant's expense, and reasonable remediation or mitigation of any such identified environmental or safety conditions, at Program Participant's expense. If SCE at any time discovers any such environmental or safety conditions during the performance of work at the Site, then SCE in its reasonable discretion may decline to proceed with any further work at the Site, unless and until such conditions are remediated to SCE's reasonable satisfaction, at Program Participant's expense.

b. SCE will pay the Charging Equipment Rebate, if applicable, after SCE has verified correct installation of the Charging Equipment, consistent with this Agreement, subject to Program Participant meeting all Program requirements. The actual Charging Equipment Rebate Payment amount shall not exceed the actual reasonable costs of the Charging Equipment, as set forth in the Final Invoice and consistent with the Program Participant's contract with the Charging Equipment Supplier(s).

c. SCE will pay the Make-Ready Rebate, if applicable, in accordance with the terms and conditions of this Agreement and the Customer-Side Make-Ready Infrastructure Installation Addendum.

10. Term and Termination:

a. Term: The term of this Agreement shall begin upon the date that both Parties have signed the Agreement and end ten (10) years from the In-Service Date of the Charging Equipment, unless otherwise terminated earlier pursuant to this Agreement ("Term").

b. Termination by SCE: SCE, in its sole discretion, may terminate this Agreement, if (1) the Program Participant fails to comply with any terms and conditions of this Agreement, including the Program Handbook, and does not cure such default within five (5) business days after receiving notice, or (2) SCE determines, in its sole discretion, that the costs of designing and installing the Infrastructure will exceed the maximum allowable costs for such Infrastructure pursuant to the CPUC's guidance (3) if any hazardous environmental conditions, safety, and/or security concerns exist. In the event of a safety or security concern, SCE may cease work under the Agreement immediately and take all other necessary actions, including but not limited to, disconnecting power to the Charging Equipment, in SCE's sole discretion, to cure such safety or security violation(s).

c. Termination Costs: If this Agreement is terminated prior to the end of the Term because (1) Program Participant terminates its participation in this Program for any reason, (2) Program Participant, prior to the end of the Commitment Period, fails to install, or removes without replacing, the Charging Equipment or Program Participant-owned make-ready infrastructure, if applicable; or (3) SCE terminates this Agreement pursuant to Section 10.b.1 (Termination by SCE; Program Participant's Failure to Comply) hereof, the Program Participant shall pay (a) all costs actually incurred, or committed to be incurred, by SCE, as of the termination date, in connection with designing and deploying the Infrastructure at the Site; and (b) the Rebate Payment (if already paid). If the Charging Equipment or the Make-Ready Infrastructure, if applicable , are installed, the amount due to SCE for both (a) and (b) above ·will be prorated over a ten-year period, beginning from the In Servic,e Date of the Charging Equipment. SCE will invoice the Program Participant for such-costs, and Program Participant shall pay such invoice within 60 days of receipt.

11. Indemnification and Liability; No Representations or Warranties:

a. Program Participant understands that SCE makes no representations regarding manufacturers, dealers, contractors, materials or workmanship of the Charging Equipment or, if Program Participant chooses the "Self-Installed Customer-Side Make-Ready" option, the Customer-Side of the Meter Make Ready Infrastructure. Further, SCE makes no warranty, whether express or implied, including without limitation the implied warranties of merchantability and fitness for any particular purpose, use, or application of the products and services under the Program. Program Participant agrees that SCE has no liability whatsoever concerning (1) the quality, safety or installation of such products, including their fitness for any purpose, (2) the workmanship of any third parties, (3) the installation or use of the products. Program Participant hereby waives any and all claims against SCE, its parent companies, directors, officers, employees, or agents ("SCE Parties"), arising out of activities conducted by or on behalf of SCE under the Program. Without limiting the generality of the foregoing, none of the SCE Parties shall be liable hereunder for any indirect, incidental, consequential, exemplary, reliance, punitive, lost profit or other business interruption damages, or special damages, including damages for loss of use, by statute, in tort or contract or otherwise.

b. Indemnification of SCE. To the fullest extent permitted by law, Program Participant shall indemnify, defend, hold harmless and release SCE, and its parent company, subsidiaries, affiliates, and their respective shareholders, officers, directors, employees, agents, representatives, successors, and assigns (collectively, the "Indemnified Parties"), from and against any and all claims, actions, suits, proceedings, losses, liabilities, penalties, fines, damages, costs, or expenses, including without limitation reasonable attorneys' fees (a "Claim"), resulting from (a) any breach of the representations, warranties, covenants, or obligations of Program Participant under this Agreement, (b) any act or omission of Program Participant, whether based upon Program Participant's negligence, strict liability, or otherwise, in connection with the performance of this Agreement, (c) any third-party claims of any kind, whether based upon negligence, strict liability, or otherwise, arising out of or connected in any way to Program Participant's performance or nonperformance under this this Agreement; or (d) from any harm or cost, known or unknown, associated with any hazardous materials, conditions, or site contamination, including, but not limited to, harm to SCE personnel, third parties, or customer applicant's employees, contractors, agents, and assigns. This indemnification obligation shall not apply to the extent that such injury, loss, or damage is caused by the sole negligence or willful misconduct of SCE.

c. Defense of Claim. If any Claim is brought against the Indemnified Parties, Program Participant shall assume the defense of such Claim, with counsel reasonably acceptable to the Indemnified Parties, unless in the opinion of counsel for the Indemnified Parties a conflict of interest between the Indemnified Parties and Program Participant may exist with respect to such Claim. If a conflict precludes Program Participant from assuming the defense, then Program Participant shall reimburse the Indemnified Parties on a monthly basis for the Indemnified Parties' defense costs through separate counsel of the Indemnified Parties' choice. If Program Participant assumes the defense of the Indemnified Parties with acceptable counsel, the Indemnified Parties, at their sole option and expense, may participate in the defense with counsel of their own choice without relieving Program Participant of any of its obligations hereunder.

12. Miscellaneous:

a. Applicability of Tariffs and Program Handbook and Precedence. This Agreement incorporates, by reference, the Program Handbook and any applicable SCE Tariff, including but not limited to SCE's Tariff Schedule CRTP. No provision of this Agreement is intended to contradict or supersede any applicable SCE Tariff, or applicable laws, each of which shall control in the event of an apparent contradiction with this Agreement, except that the applicant payment responsibilities set forth in Rules 15 and 16 (Distribution Line and Service Extensions) do not apply to the Program. Other applicable provisions of Rules 15 and 16 are not waived.

b. Survival. Program Participant's obligation to pay Termination Costs and to indemnify the Indemnified Parties shall survive the expiration or termination of this Agreement.

c. Assignment. Program Participant shall not assign this Agreement without the prior written consent of SCE; to be granted or denied in SCE's sole discretion. Any assignment and assumption shall be in a form acceptable to SCE, in SCE's sole discretion.

d. This Agreement is subject to the jurisdiction of the California Public Utilities Commission (CPUC). This Agreement shall, at all times, be subject to such changes or modifications by the CPUC, as the CPUC may, from time to time, direct in the exercise of its jurisdiction.

e. The payee should consult its tax advisor concerning the taxability of the Rebate Payment.

This Agreement will be signed electronically. After the Program Participant has uploaded the completed Agreement to the Charge Ready Portal, SCE will verify for completeness and accuracy and will execute the Agreement and reserve funding accordingly.

## AGREEMENT BY PROGRAM PARTICIPANT

By signing in the space below, you represent that the information provided in this Agreement is true, accurate and complete, and that you will comply with the terms and conditions outlined in this Agreement. You also represent and warrant that you are a duly authorized representative of Program Participant with the requisite authority to enter into this Agreement. For federal government Program Participants, you must be a Contracting Officer authorized to enter into this Agreement.

| | |
|---|---|
| 13. | Does your organization own the property on which the site is located?<br>☑ Yes ☐ No |
| 14. | Name of Property Owner Representative authorized to sign this Agreement (only required if your organization is not the property owner): |
| 15. | Email address of Property Owner Representative authorized to sign this Agreement (only required if your organization is not the property owner): |
| 16. | Are you the individual authorized to sign the Agreement?<br>☐ Yes ☑ No |
| 17. | Authorized signer's email address: |
| 18. | Name of Program Participant Representative: **Andrea Delap** |
| 19. | Title of Program Participant Representative: **Senior Management Analyst** |
| 20. | ☐ I certify that the information provided is accurate and complete and that I have authority to sign this Agreement on behalf of Applicant. |
| 21. | Date: |

## AGREEMENT BY PROPERTY OWNER

By signing in the space below, you represent and warrant that you are a duly authorized representative of the owner of the property on which the Site is located and that you have the requisite authority to consent to the use of the property in the manner set forth in this Agreement. You also represent that Property Owner hereby approves the installation and operation of the Infrastructure and the Charging Equipment, as well as any other necessary equipment to deploy the Charging Equipment pursuant to the Charge Ready Transport Program as described in this Agreement. You further agree to execute the Easement Agreement within 30 calendar days after Easement Agreement is provided by SCE.

| | |
|---|---|
| 22. | Name of Property Owner Representative: |
| 23. | Title of Property Owner Representative: |
| 24. | ☐ I certify that I have authority to sign this Agreement on behalf of the Property Owner. |
| 25. | Date: |

SOUTHERN CALIFORNIA EDISON®
An EDISON INTERNATIONAL® Company

| APPROVAL BY SCE AND RESERVATION OF FUNDS | |
|---|---|
| 26. | Name of SCE Representative: |
| 27. | Title of SCE Representative: |
| 28. | ☐ I certify that I have authority to sign this Agreement on behalf of SCE. |
| 29. | Reservation Approved Date: |

## GENERAL NOTES

1. (-) REFER TO CONDUIT AND WIRE SCHEDULE ON SHEET 2 FOR REQUIREMENTS.
2. CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS.
3. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ONSITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) STANDARDS BEING ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT TIME OF CONSTRUCTION.
4. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATIONS.
5. BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FILED INSPECTION PERSONNEL.
6. CONTRACTOR TO AVOID OR RE-LOCATE IRRIGATION LINES AS NECESSARY DURING CONSTRUCTION
7. EXISTING SITE TREES ARE TO BE PROTECTED IN PLACE.

## SCOPE OF WORK

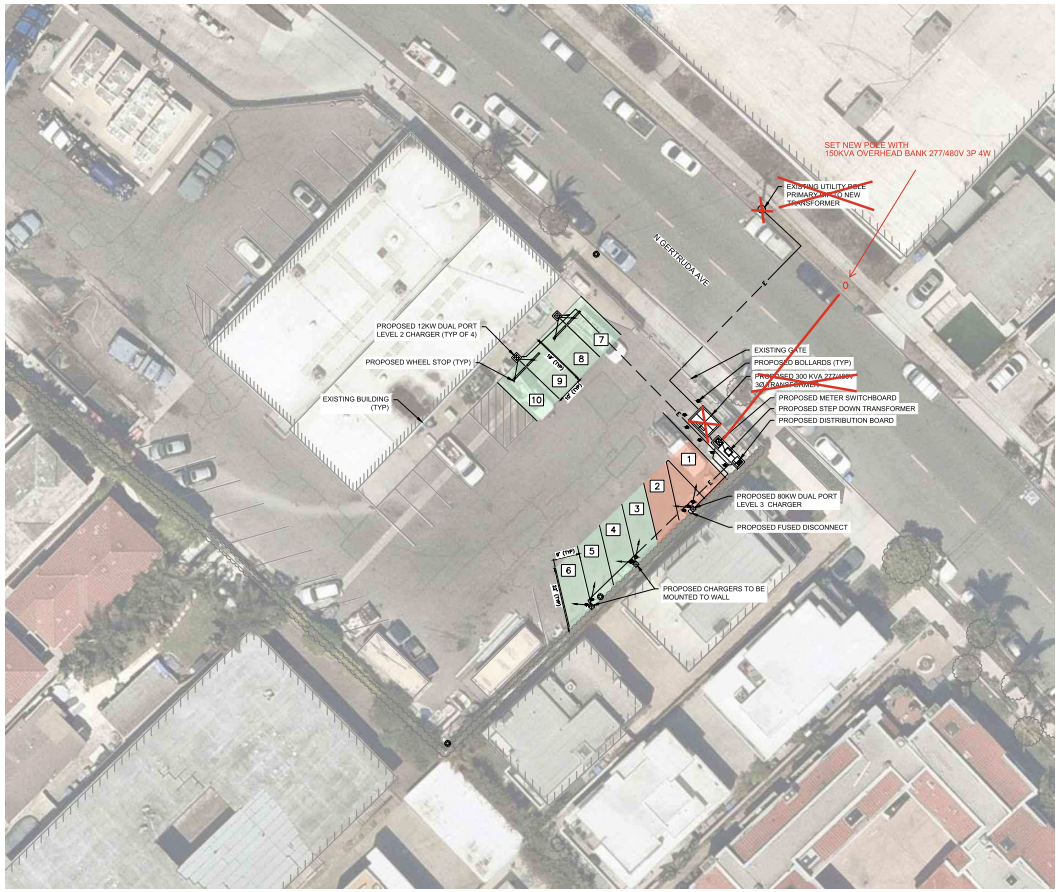
| EV CHARGERS | QTY | L2 | L3 |
|---|---|---|---|
| PUBLIC | 0 | 0 | 0 |
| FLEET | 10 | 8 | 2 |
| TOTAL | 10 | 8 | 2 |

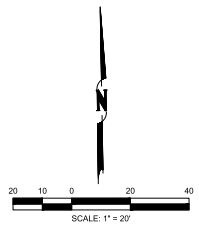
## SHEET INDEX


HIGH LEVEL SITE PLAN .....1
SINGLE LINE DIAGRAM .....2


## LEGEND

- PROPOSED 300KVA 480V SCE XFMR
- PROPOSED SERVICE METER SWITCHBOARD 400A PANEL
- PROPOSED STEP DOWN XFMR
- PROPOSED SERVICE DISTRIBUTION
- PROPOSED DUAL PORT L2 EV CHARGER PEDESTAL W/ FOOTING
- PROPOSED DUAL PORT L2/L3 EV CHARGER WALL MOUNTED
- PROPOSED FUSED DISCONNECT
- PROPOSED/ RELOCATED WHEEL STOP
- ----E----- PROPOSED ELECTRICAL LINE
- PROPOSED EV L3 STALL (80KW)
- PROPOSED EV L2 STALL (12KW)
- PROPOSED BOLLARDS




NV5

877.706.6858 www.NV5.com

## SUBMITTALS

| Revision: | Date: |
|---|---|
| HLSP/SLD | 05/13/25 |

| | |
|---|---|
| Project No.: | AO |
| Checked By: | MW |
| Designed By: | NL |
| Drawn By: | GG |
| Date: | 05/13/25 |

**Project Title**

SCE ID: CRT-2024-0100
CITY OF REDONDO BEACH
PUBLIC WORKS CITY YARD
531 N GERTRUDA AVE
REDONDO BEACH, CA 90277

**Sheet Title**

HIGH LEVEL SITE PLAN

**Sheet No.**

1

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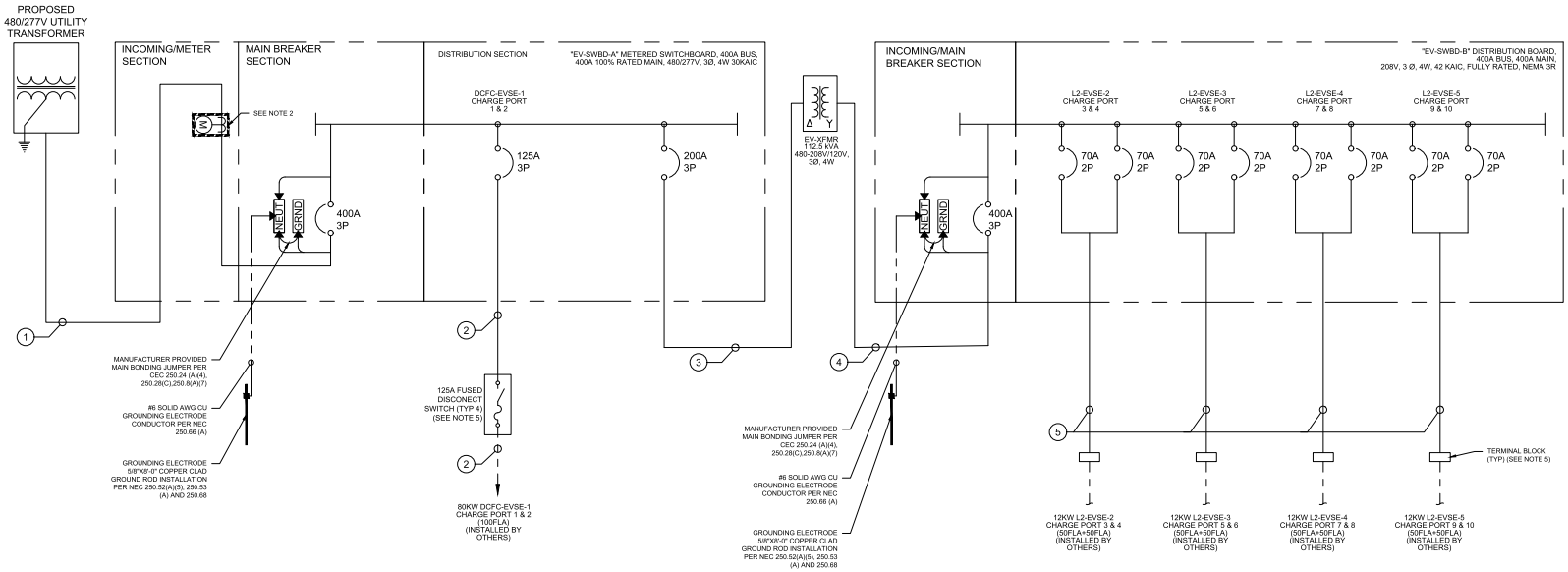
P:\2206-CM_260 CLEAN ENERGY\SCE CHARGE READY (CR) PROGRAM\19-0000680_CHARGEREADY\AO_CITY OF REDONDO BEACH\CAD\HLSP\AO_CITY OF REDONDO BEACH_HLSP.DWG (05-13-25 12:34:14PM)

NOTES:

1. STANDARD RATED SERVICE PANELS, OVER CURRENT PROTECTION DEVICES AND WIRE SIZES BASED ON CEC/CEC REQUIREMENTS AT 125% CONTINUOUS LOAD. 100% RATED SERVICE PANELS, OVER CURRENT PROTECTION DEVICES AND WIRE SIZES BASED ON CEC/CEC REQUIREMENTS AT 100% CONTINUOUS LOAD.
2. PROPOSED UTILITY CTS/PTS SHALL BE LOCATED WITHIN COMPARTMENTS APPROVED BY THE UTILITY AS SHOWN IN THIS DRAWING PACKAGE
3. THE METHODS CONTAINED IN CEC/NEC ARTICLE 250 SHALL BE FOLLOWED TO COMPLY WITH GROUNDING AND BONDING OF ELECTRICAL SYSTEMS AND NON-CURRENT CARRYING CONDUCTIVE MATERIALS, ENCLOSURES, OR ITEMS FORMING PART OF ANY SUCH EQUIPMENT THAT ENCLOSES OR CARRIES ELECTRICAL CONDUCTOR OR EQUIPMENT THAT IS LIKELY TO BECOME ENERGIZED. SEE CEC/NEC 250.4(A)(1) THROUGH (5) FOR FURTHER DESCRIPTION.
4. WHERE TWO OR MORE GROUND RODS ARE TO BE INSTALLED, THE MINIMUM SEPARATION SHALL BE 6' PER CEC/NEC 250.53 (A)(2), AND (3) RESISTANCE OF ELECTRODES.
5. CONTRACTOR TO INSTALL FUSED DISCONNECT & TERMINAL BLOCK PRIOR TO CUSTOMER EVSE CHARGING DISPENSER BEING INSTALLED IN SEPARATE PERMIT.




| CONDUIT AND WIRING SCHEDULE | | | |
|---|---|---|---|
| | FROM | TO | CONFIGURATION |
| 1 | PROPOSED 480V UTILITY TRANSFORMER | PROPOSED 400A 480V METERED SWITCHBOARD | TBD (PER UTILITY DESIGN) |
| 2 | PROPOSED 400A 480V METERED SWITCHBOARD | PROPOSED DUAL PORT 80KW DCFC | (3) #4 AWG CU (THWN-2) + (1) #8 AWG CU (THWN-2) EGC IN (1) 1 1/2" SCH 40 PVC |
| 3 | PROPOSED 400A 480V METERED SWITCHBOARD | PROPOSED 112.5KVA 480-208 STEP DOWN TRANSFORMER | (3) 3/0 AWG CU (THWN-2) + (1) #6 AWG CU (THWN-2) EGC IN (1) 2" SCH 40 PVC |
| 4 | PROPOSED 112.5KVA 480-208 STEP DOWN TRANSFORMER | PROPOSED 400A 208V DISTRIBUTION BOARD | (3) 3/0 AWG CU (THWN-2) + (1) 3/0 AWG CU (THWN-2) NEUT + (1) #4 AWG CU (THWN-2) SSBJ IN EACH OF (2) 2" SCH 40 PVC |
| 5 | PROPOSED 400A 208V DISTRIBUTION BOARD | PROPOSED DUAL PORT 12KW LEVEL 2 | (4) #3 AWG CU (THWN-2) + (2) #8 AWG CU (THWN-2) EGC IN (1) 1 1/2" SCH 40 PVC BELOW GRADE, RGS ABOVE GRADE |


NV5
877.706.6858 www.NV5.com


SUBMITTALS

| Revision: | Date: |
|---|---|
| HLSP/SLD | 05/13/25 |

| | |
|---|---|
| Project No.: | AO |
| Checked By: | RR |
| Designed By: | CC |
| Drawn By: | GG |
| Date: | 05/13/25 |

Project Title

SCE ID: CRT-2024-0100
CITY OF REDONDO BEACH
PUBLIC WORKS CITY YARD
531 N GERTRUDA AVE
REDONDO BEACH, CA 90277

Sheet Title

SINGLE LINE DIAGRAM

Sheet No.

2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P:\2206-CAM_206 CLEAN ENERGY\SCE CHARGE READY (CR) PROGRAM\19-0000690_CHARGEREADY\AO_CITY OF REDONDO BEACH\CAD\HLSP\AO_CITY OF REDONDO BEACH_HLSP.DWG (05-13-25 12:34:16PM)

SOUTHERN CALIFORNIA EDISON
An *EDISON INTERNATIONAL* Company

**Southern California Edison Company (SCE) Easement Requirements for Participation in Charge Ready Programs**

Attention:

As part of your participation in Charge Ready Programs through SCE, it is agreed that you will provide easement rights for the installation of SCE's EV distribution facilities located on your property. If you are a tenant of the property, the property owner must provide SCE easement rights in order for you to participate in Charge Ready Programs.

SCE is providing the standard EV easement document.

Please understand the EV easement document has been created to provide the necessary property rights needed for SCE's facilities. No changes, modifications or redlines to the language of the easement document will be accommodated.

Should you have questions about this easement, please send them to your SCE Account Manager or ChargeReadyTransport@sce.com.

It is SCE's expectation that once the EV easement document is provided to you, it will be executed and notarized and returned to SCE within 30 business days.

RECORDING REQUESTED BY

SOUTHERN CALIFORNIA EDISON

An *EDISON INTERNATIONAL* Company

WHEN RECORDED MAIL TO

SOUTHERN CALIFORNIA EDISON COMPANY

2 INNOVATION WAY, 2nd FLOOR
POMONA, CA 91768

Attn: Title and Real Estate Services

SPACE ABOVE THIS LINE FOR RECORDER'S USE

SCE Doc No.:

**GRANT OF EASEMENT**
**Vehicle Charging Station**

| DOCUMENTARY TRANSFER TAX $ NONE (VALUE AND CONSIDERATION LESS THAN $100.00) | DISTRICT | SERVICE ORDER | SERIAL NO. | MAP SIZE |
|---|---|---|---|---|
| | XX | XX | | |
| _____ SCE Company<br>SIG. OF DECLARANT OR AGENT DETERMINING TAX FIRM NAME | FIM XX<br>APN XX | APPROVED:<br>VEGETATION & LAND MANAGEMENT | BY<br>SLS/XX | DATE<br>XX |

_____ (hereinafter referred to as "Grantor"), hereby grants to SOUTHERN CALIFORNIA EDISON COMPANY, a corporation, its successors and assigns (hereinafter referred to as "Grantee"), an easement and right of way to construct, use, maintain, operate, alter, add to, repair, replace, reconstruct, inspect and remove at any time and from time to time overhead and underground electrical supply systems and internal communication systems for SCE's sole use (hereinafter referred to as "systems"), consisting of poles, guys and anchors, crossarms, wires, underground conduits, cables, vaults, manholes, handholes, and including above-ground enclosures, markers and concrete pads and other appurtenant fixtures and equipment necessary or useful for distributing electrical energy and for transmitting intelligence by electrical means, solely for the purpose of providing electrical power to vehicle charging stations, in, on, over, under, across and along that certain real property in the City of_____, County of _____, State of California, described as follows:

LEGAL DESCRIPTION

It is understood and agreed that the above description is approximate only, it being the intention of the Grantor(s) to grant an easement for said systems as constructed. The centerline of the easement shall be coincidental with the centerline of said systems as constructed in, on, over, under, across, and along the Grantor(s) property.

This legal description was prepared pursuant to Sec. 8730(c) of the Business & Professions Code.

Grantor agrees for itself, its heirs and assigns, not to erect, place or maintain, nor to permit the erection, placement or maintenance of any building, planter boxes, earth fill or other structures except walls and fences on the hereinbefore described easement area. The Grantee, and its contractors, agents and employees, shall have the right to trim or top such trees and to cut such roots as may endanger or interfere with said systems and shall have free access to said systems and every part thereof, at all times, for the purpose of exercising the rights herein granted; provided, however, that in making any excavation on said property of the Grantor, the Grantee shall make the same in such a manner as will cause the least injury to the surface of the ground around such excavation, and shall replace the earth so removed by it and restore the surface of the ground to as near the same condition as it was prior to such excavation as is practicable.

TEMPLATE

Upon written request, Grantee shall relocate its facilities installed hereunder to another mutually approved area on Grantor's property and provided that Grantee has first been given an easement over such new area on terms identical to those set forth herein. Such relocation shall be at Grantor's sole cost and expense. Upon completion of the relocation, Grantee shall execute a quitclaim of this easement on terms reasonably acceptable to Grantor and Grantee.

To the extent Grantor removes the vehicle charging stations, and such removal is not part of a relocation, Grantor may, upon sixty (60) days written notice, terminate this easement and Grantee shall execute a quitclaim on a mutually acceptable form. However, in no event will the vehicle charging stations be removed for a period of ten (10) years from the date of execution below. Upon termination, Grantee shall have a limited right to access the property for the purpose of removing its facilities or Grantee may abandon its systems in place. In addition, upon written request, Grantee will execute a quitclaim of this easement on terms reasonably acceptable to Grantee and Grantor.

EXECUTED this _____ day of _____, 20____.

**GRANTOR**

GRANTOR

By_____

Name_____

Title_____

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of _____ )

On _____ before me, _____, a Notary Public, personally appeared

_____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

TEMPLATE

# Administrative Report

H.7., **File #** 25-1431 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ANDREW WINJE, PUBLIC WORKS DIRECTOR

## TITLE

APPROVE THE TEMPORARY STREET CLOSURE OF AVENUE H AT DORIS WAY FROM NOVEMBER 28, 2025 THROUGH JANUARY 2, 2026 AND THE ASSOCIATED TRAFFIC CONTROL AND TRASH COLLECTION MEASURES TO HELP MITIGATE THE EFFECTS OF THE ANNUAL TORRANCE HOLIDAY LIGHT DISPLAY

## EXECUTIVE SUMMARY

A recent discussion with City Council considered adjustments to the temporary street closure plan at Avenue H during the nightly holiday lights display in the Seaside Ranchos neighborhood in Torrance. Direction was given for staff to determine the level of commitment the City of Torrance would make to manage traffic at the city boundary at Avenue H if Redondo was to make modifications to the annual plan. Staff from the City of Torrance shared that Torrance was unable to commit any additional police resources to these nightly events and as a result withdrew their request for Redondo to modify the closure.

Accordingly, staff recommends Avenue H be closed to vehicular through traffic at Doris Way, which demarks the City boundary between Redondo Beach and the City of Torrance, from Friday, November 28, 2025, through Friday, January 2, 2026, as it has the past 20 plus years. The times of the proposed street closure are from 5:00 PM to 10:00 PM daily. Staff also recommends reimplementation of the traffic signage/circulation plan used last year and the placement of additional trash cans to improve safety, cleanliness, and traffic operations in the neighborhood. Staff will monitor and adjust the plan as necessary during the holiday season.

## BACKGROUND

This seasonal street closure was initiated in 1993 by a petition from residents along Avenue H, Massena Avenue, and Circle Drive requesting that the City address heavy traffic congestion due to the Seaside Ranchos (Torrance) neighborhood's holiday season light displays. Representatives from the cities of Redondo Beach and Torrance met and determined that temporary barricades installed by Redondo Beach would resolve the issue. In an effort to address issues raised by the residents, staff implemented more robust measures to address various issues, including a temporary roundabout, additional red curb, additional signs, and additional trash cans in 2024.

Current practice includes the daily installation and removal of lockable in-street bollards during the closure period, daily trash pick-up, installation of signage, a temporary roundabout at the Avenue H and Massena intersection, and placement of trash cans. As resources allow, the Redondo Beach

Police Department will deploy enhanced enforcement and patrols in the neighborhood during the holiday season.

## COORDINATION

The Public Works Department would assign personnel to post signs and set up the temporary roundabout and would, as in years past, install/remove the bollards and empty the additional trashcans daily during the year-end holiday season. Public Works Operations employees perform these tasks as they regularly work evenings, seven days per week.

## FISCAL IMPACT

Funding for the annual street closure and traffic/trash mitigation plan on Ave H is included in the Public Works Department's portion of the adopted FY 2025-26 Annual Budget and is part of the Department's annual work program. The placement of signs and street closure barricades is performed during maintenance and operations staff's normal working hours. All signs and barricades are reused from year to year.

**APPROVED BY:**
*Mike Witzansky, City Manager*

## ATTACHMENTS

- Exhibits - Avenue H Neighborhood Holiday Lights Traffic Mitigations

# General Neighborhood Signs

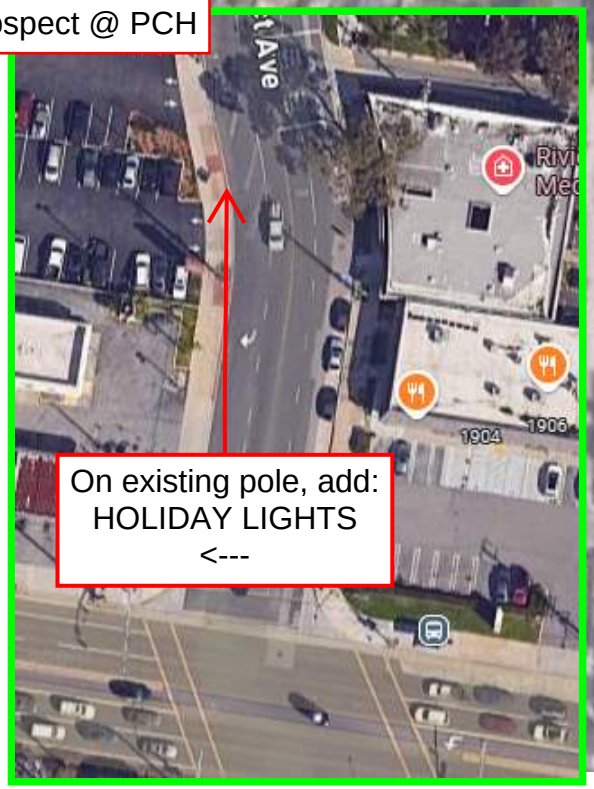
THESE GENERAL SIGNS STAY UP THE WHOLE SEASON

On southbound light post above SS sign, add:
HOLIDAY LIGHTS
<---

On northbound pole below SS sign, add:
HOLIDAY LIGHTS
--->

On eastbound light post above SS sign, add:
HOLIDAY LIGHTS
^

SB Prospect @ PCH

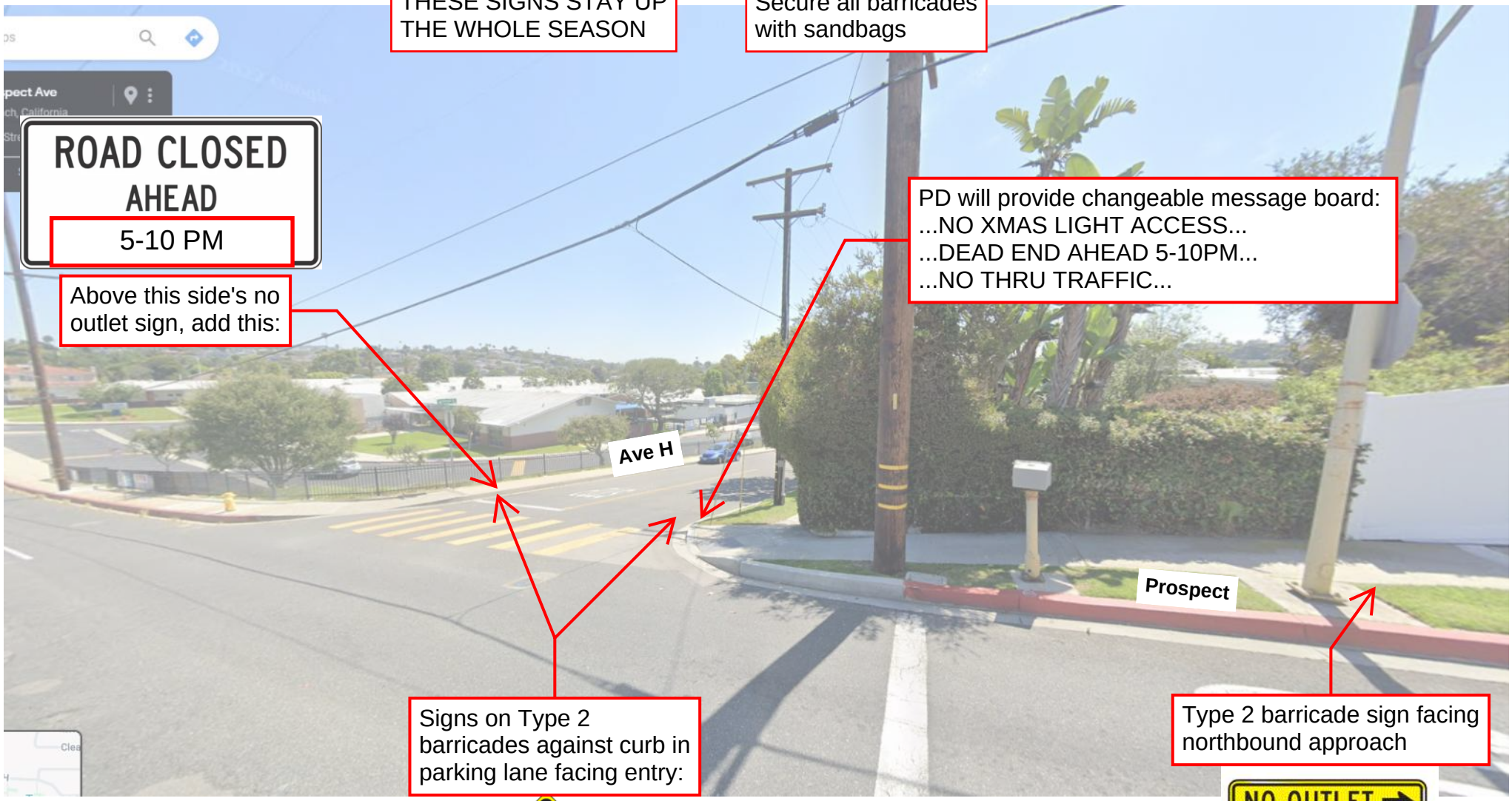


On existing pole, add:
HOLIDAY LIGHTS
<---

# Avenue H at Prospect

THESE SIGNS STAY UP THE WHOLE SEASON

Secure all barricades with sandbags




Above this side's no outlet sign, add this:

PD will provide changeable message board:
...NO XMAS LIGHT ACCESS...
...DEAD END AHEAD 5-10PM...
...NO THRU TRAFFIC...

Signs on Type 2 barricades against curb in parking lane facing entry:

Type 2 barricade sign facing northbound approach

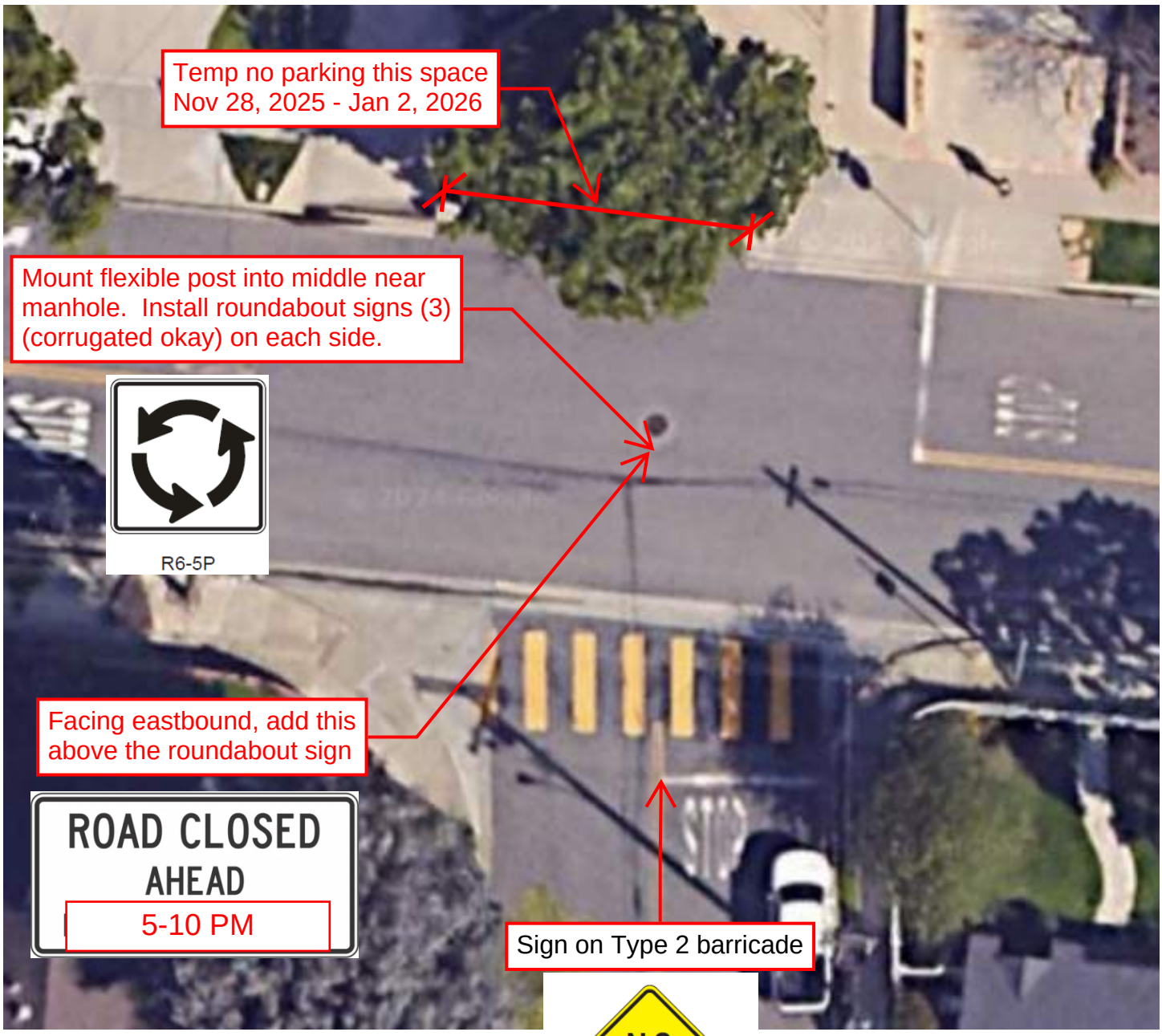
Add barricade light to each Type 2 barricade.

W14-2

W14-2a

Below this sign, add HOLIDAY LIGHTS ^

# Additional signs for the season at Ave H/Massena: Temporary Traffic Circle for U-turns



# Additional signs for the season:

1345 Prospect: Sign on Type 2 barricade facing southbound

Below this sign, add:
"HOLIDAY LIGHTS"
^

Add barricade light to each Type 2 barricade.

Install/remove bollards daily 5-10pm

On Type 2 barricade, add "Road Closed" sign. This sign moves with bollards each day

Ave H/Massena, add this sign to top of SS sign post. Corrugated/temp mount

Add above SS sign

TRASH CANS:

(5) Trash cans to be placed along Avenue H and Massena, placed/removed daily with bollards. (2) at City border, (1) at Ave H/Massena, (1) on Ave H near Tulita ES, (1) at Massena Parkette.

# Administrative Report

H.8., **File #** 25-1493 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ANDREW WINJE, PUBLIC WORKS DIRECTOR

## TITLE

APPROVE A SECOND AMENDMENT TO THE ON-CALL CONSULTING SERVICES AGREEMENT WITH ELLIS ENVIRONMENTAL MANAGEMENT, INC. TO INCREASE THE NOT TO EXCEED AMOUNT BY $100,000 FOR A NEW NOT TO EXCEED TOTAL OF $300,000 AND TO EXTEND THE TERM THROUGH NOVEMBER 1, 2027

## EXECUTIVE SUMMARY

The City Council has approved a number of on-call service contracts to successfully accelerate a variety of maintenance and capital improvement project timelines. Staff is recommending approval of a second amendment to an existing on-call agreement with Ellis Environmental Management, Inc. (Ellis Environmental) to extend the term an additional two years and to increase the not-to-exceed amount by $100,000. This amendment is needed to continue services related to managing the implementation of environmental abatement tasks associated with facility improvement projects in the City's CIP.

## BACKGROUND

For the past several years, the City has been making use of on-call consultant contracts to accelerate the pace of delivery of CIP projects. On-call service contracts are not fully defined as to scope or funding source and allow staff the ability to quickly assign smaller work tasks (e.g., geotechnical engineering, surveying, etc.) without having to develop and present an individual contract to City Council for approval.

Funding sources for on-call contracts are not identified at the time of approval. Rather, as tasks are assigned to an on-call vendor, the funding is assigned via purchase order from the funding source associated with the particular project to which the work applies.

The Public Works Department Engineering Services Division (ESD) and the City Attorney's Office worked together to develop a contract template for a request for proposals for on-call consulting services, which was first advertised in August of 2018. The template stipulates a two-year term with a not to exceed value of $100,000 over the two years. Many of these contracts have been renewed for additional terms, and new vendors have been added as the City's need for on-call firms grows and changes. These agreements provide the City with a deep and broad bench of firms to supplement staff's efforts to deliver CIP projects.

Staff is now bringing forward an amendment to allow Ellis Environmental to continue to provide

services related to managing the implementation of facility related projects currently identified and funded in the CIP. Ellis Environmental has assisted the City with five task orders relating to inspections and specifications for the removal of potentially hazardous substances when remodeling or demolishing existing facilities. Ellis Environmental has proved to be a reliable provider of on-call services.

## COORDINATION

Development of the proposed amendment was coordinated with the City Attorney's Office and staff in the Public Works Department. The City Attorney's Office approved the agreement as to form.

## FISCAL IMPACT

No additional funding is required to approve the recommended contract amendment. Funding for the assigned work tasks is provided through the various associated CIP project accounts. Approval of on -call consulting services agreements has helped the Public Works Department more than double the pace of annual CIP delivery.

**APPROVED BY:**

*Mike Witzansky, City Manager*

## ATTACHMENTS

- Agmt - Second Amendment Ellis Environmental, Inc.
- Agmt - First Amendment and Original Agreement with Ellis Environmental Inc.

**SECOND AMENDMENT TO THE AGREEMENT**
**FOR CONSULTING SERVICES BETWEEN**
**THE CITY OF REDONDO BEACH**
**AND ELLIS ENVIRONMENTAL MANAGEMENT, INC.**

THIS SECOND AMENDMENT TO THE AGREEMENT FOR CONSULTING SERVICES ("SECOND Amendment") is made between the City of Redondo Beach, a chartered municipal corporation ("City") and Ellis Environmental Management, Inc., a California corporation ("Contractor" or "Consultant").

WHEREAS, on November 2, 2021, the parties hereto entered into the Agreement for Consulting Services between the City and Consultant (the "Agreement"); and

WHEREAS, on November 7, 2023, the parties hereto entered into the First Amendment (the "First Amendment") to extend the term to November 1, 2025, and to increase the Consultant's total compensation limit to $200,000; and

WHEREAS, the parties hereto desire to further extend the term of the Agreement and provide additional compensation for the extended term.

NOW THEREFORE, in consideration of the promises and mutual covenants contained herein, and intending to be legally bound, the parties hereby agree to make the following amendments to the Agreement:

1. **GENERAL PROVISIONS.**

   Section 36 shall be added to the Agreement as follows:

   36. Non-Discrimination. Consultant shall comply with all applicable federal, state, and local laws, ordinances, regulations, and codes prohibiting discrimination, including but not limited to the Civil Rights Act of 1964, the Americans with Disabilities Act of 1990, and the California Fair Employment and Housing Act. Consultant shall not discriminate against any employee or applicant for employment on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, military and veteran status, or any legally protected characteristic. Consultant shall ensure that the evaluation and treatment of its employees and applicants for employment are free from such discrimination and harassment. Consultant shall include a similar non-discrimination provision in all subcontracts related to the performance of this Agreement.

2. **SCOPE OF SERVICES.** Exhibit "A" of the Agreement is hereby amended to delete Section II.C in its entirety.

3. **TERM AND TIME OF COMPLETION**. Exhibit “B” of the Agreement, as previously amended by Exhibit “B-1”, is hereby further amended to add Exhibit “B-2”, which is attached hereto and incorporated herein by reference. Exhibit “B-2” extends the Agreement term to November 1, 2027. Consultant shall commence and complete all services described in Exhibit “A” in accordance with the schedule set forth in Exhibit “B-2”.

4. **COMPENSATION**. Exhibit “C” of the Agreement, as previously amended by Exhibit “C-1”, is hereby amended to add Exhibit “C-2”, which is attached hereto and incorporated herein by reference. Exhibit “C-2” updates the rate schedule and increases the total compensation limit by $100,000, setting a new total compensation limit of $300,000, and updates the notice provision. Consultant shall be compensated for the services described in Exhibit “A” of the Agreement.

5. **NO OTHER AMENDMENTS**. Except as expressly stated herein, the Agreement shall remain unchanged and in full force and effect. The Agreement, First Amendment, and this Second Amendment constitute the entire agreement between the parties and supersede any previous oral or written agreement with respect to the subject matter hereof. In the event of any inconsistency between the terms of the Agreement, First Amendment, and this Second Amendment, the terms of this Second Amendment shall govern.

IN WITNESS WHEREOF, the parties have executed this Second Amendment in Redondo Beach, California, as of this 4th day of November, 2025.

CITY OF REDONDO BEACH,
a chartered municipal corporation

_____
James A. Light, Mayor

ELLIS ENVIRONMENTAL MANAGEMENT, INC., a California corporation

Signed by:
By: Ryan Davidson
E080DF5AEA7146A...
Name: Ryan Davidson
Title: Director of Operations

ATTEST:

_____
Eleanor Manzano, City Clerk

APPROVED:

_____
Diane Strickfaden, Risk Manager

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

## EXHIBIT “B-2”

## TERM AND TIME OF COMPLETION

**TERM.** The term of this Agreement shall be extended to November 1, 2027 (“Term”), unless otherwise terminated as herein provided.

## EXHIBIT "C-2"

## COMPENSATION

Provided Consultant is not in default under this Agreement, Consultant shall be compensated as provided below.

I. **AMOUNT**. Consultant shall perform the work for all City approved Task Proposal(s) in accordance with the attached hourly rate schedule, which is hereby incorporated.

II. **EXPENSES**. Consultant shall be reimbursed for expenses (if specified) in accordance with the attached schedule. If Consultant requires reimbursement for expenses not provided on the attached schedule, including but not limited to, mileage, reproduction costs, and subcontractor markup, Consultant shall not be reimbursed without a subsequent written amendment, which shall be at the sole discretion of the city.

III. **NOT TO EXCEED AMOUNT**. In no event shall the total amount paid to the Consultant, including reimbursable expenses, exceed $300,000 during the term of this Agreement.

IV. **METHOD OF PAYMENT**. Consultant shall provide monthly invoices to City for approval and payment for those services performed in the month prior to invoice submission. Invoices must include the following information.

A. Task number.
B. All personnel who performed work on the Task.
C. Description of the work performed.
D. Number of hours worked.
E. Hourly rate.
F. All city approved and documented subcontractor invoices.
G. If applicable, expenses incurred.

Invoice must be itemized, adequately detailed, based on accurate records, in a form reasonably satisfactory to the city. Invoices must attach the prior written authorization of the City and copies of receipts to substantiate expense requests. Consultant may be required to provide back-up material upon request. If no work is performed in a given month, no invoice is required.

Within the approved amount of each approved Task Proposal, and with the written approval of the city, a portion of the amount from the line item of the task may be allocated to another line item task so long as the total amount approved for the Task Proposal as described in Exhibit "A" in not exceeded.

V. **SCHEDULE FOR PAYMENT**. City agrees to pay Consultant within thirty (30) days after receipt of Consultant's monthly invoice; provided, however, that services are completed to the City's reasonable satisfaction and there is no dispute over the amount.

VI. **NOTICE.** Written notices to City and Consultant shall be given by registered or

certified mail, postage prepaid and addressed to or personally served on the following parties.

Consultant: Ellis Environmental Management, Inc.
430 Silver Spur Road, Suite 201
Rancho Palos Verdes, CA 90275
Attn: Ryan Davidson

City City of Redondo Beach
Public Works Department, Engineering Services Division
415 Diamond Street
Redondo Beach, CA 90277
Attn: Lauren Sablan, City Engineer

All notices, including notices of address changes, provided under this Agreement are deemed received as follows: (1) on the third day after mailing if sent by registered or certified mail; or (2) upon personal delivery. Changes in the respective address set forth above may be made from time to time by any party upon written notice to the other party in accordance with this section.

| Professional Services | RATE | UNIT | | Equipment | RATE | UNIT |
|---|---|---|---|---|---|---|
| President, CA Environmental Professional | $ 170.00 | hour | | Q-trak (Carbon dioxide/monoxide) | $ 55.00 | day |
| Certified Industrial Hygienist | $ 170.00 | hour | | P-trak (Ultra-Fine Particles) | $ 75.00 | day |
| Project Manager (CAC, Lead Assessor) | $ 156.00 | hour | | Particulate Matter (PM) | $ 55.00 | day |
| Project Engineer (CSST, Lead Assessor) | $ 100.00 | hour | | Infrared Camera | $ 70.00 | day |
| Site Technician (CSST)/EPA Building Insp. | $ 100.00 | hour | | Moisture Meter / Duct Camera | $ 35.00 | day |
| Service Call (Site Technician) 4 hr min. | $ 400.00 | min. | | XRF Lead Paint Analyzer Pb200i | $ 212.00 | min. |
| Per 8-hr shift - normal business hours | $ 800.00 | shift | | XRF Lead Paint Analyzer Pb200i | $ 424.00 | day |
| Per 8-hr evening/weekend shift | $ 1,200.00 | shift | | Sound Level Meter | $ 35.00 | day |
| Site Technician (CSST) - after 8 hours | $ 150.00 | hour | | Multi-RAE | $ 75.00 | day |
| Emergency Response (<24 hr notice) - Site Technician | $ 147.00 | hour | | PDR 1000 (rental) | $ 110.00 | day |
| Drafter | $ 100.00 | hour | | | | |
| Clerical | $ 47.50 | hour | | | | |
| Mileage | no charge | | | | | |
| Express Pass | no charge | | | | | |
| | | | | | | |
| **Analysis Costs/Turnaround Time** | | | | | | |
| **ASBESTOS** | | | | **LEAD** | | |
| PCM Air - onsite | included | | | Paint/Wipe - same day | $ 35.50 | each |
| PCM Air - lab analysis – 24 hr | $ 22.00 | each | | Paint/Wipe - 24 hr | $ 27.50 | each |
| TEM Air- 6hr (AHERA) | $ 217.00 | each | | Paint/Wipe - 48 hr | $ 22.00 | each |
| TEM Air – 24 hr | $ 88.00 | each | | Paint/Wipe - 3 to 5 day | $ 22.00 | each |
| TEM Bulk- 24 hr | $ 223.00 | each | | Air - same day | $ 35.50 | each |
| TEM Bulk - 48 hr | $ 174.00 | each | | Air - 24 hr | $ 27.50 | each |
| PLM Bulk - same day | $ 35.00 | each | | Air - 3 to 5 day | $ 22.00 | each |
| PLM Bulk - 24 hr | $ 28.50 | each | | TTLC - 24 hr | $ 47.50 | each |
| PLM Bulk - 3 day | $ 19.50 | each | | TTLC - 48 hr | $ 35.00 | each |
| PLM Bulk - 5 day | $ 15.50 | each | | TTLC - 3 to 5 day | $ 28.50 | each |
| Qualitative (+ or -) - 3 day | $ 48.00 | each | | STLC - 3 day | $ 230.00 | each |
| PLM 1,000 point count - 24hr | $ 250.00 | each | | TCLP - 48 hr | $ 217.00 | each |
| PLM 1,000 point count - 3 to 5 day | $ 190.50 | each | | TCLP - 3 day | $ 174.50 | each |
| | | | | | | |
| **MOLD / Allergens / Bacteria** | | | | **Volatile Organic Compounds (TO-15)** | | |
| Airborne/Bulk mold - 6 hr | $ 126.00 | each | | Tedlar Bags - 3 day | $ 342.00 | each |
| Airborne/Bulk mold - 24 hr | $ 82.50 | each | | Tedlar Bags - 5 day | $ 285.00 | each |
| Airborne/Bulk mold - 3 to 5 day | $ 60.50 | each | | Summa Canister - 3 day | $ 820.00 | each |
| Airborne Culturable Bacteria - 2 weeks | $ 120.00 | each | | Summa Canister - 5 day | $ 520.00 | each |
| Allergens (group) - 5 day | $ 220.00 | each | | Flow Regulator for Summa Canister | $ 42.00 | day |
| Allergens (single) - 5 day | $ 166.00 | each | | Summa Canister rental | $ 55.00 | day |
| | | | | | | |
| **RESPIRABLE / NUISANCE DUST** | | | | **FORMALDEHYDE** | | |
| Respirable or Nuisance - 24 hr | $ 55.00 | each | | Passive Sampler Badge - 5 day | $ 168.00 | each |
| Respirable or Nuisance - 3 to 5 day | $ 44.00 | each | | Passive Sampler Badge - 2 weeks | $ 127.00 | each |
| | | | | | | |
| **SOIL** | | | | **MATERIAL IDENTIFICATION** | | |
| Title 22 Metals (full chain) - 5 day | $ 250.00 | each | | Common Particle - 5 day | $ 350.00 | each |
| Metal (single) | $ 50.00 | each | | Full Particle - 5 day | $ 1,530.00 | each |
| VOCs – 5 day | $ 127.50 | each | | | | |
| | | | | | | |
| **NON-POTABLE WATER** | | | | **POTABLE WATER** | | |
| Sewage screen MPN (M116) – Total Coliform, E. Coli, Enterococci (enumeration) – 24hr | $ 150.00 | each | | Lead (200.8) – 2 weeks | $ 40.50 | each |
| Sewage Screen MPN (M116) – 48hr | $ 121.50 | each | | | | |
| Metals - call for quote | | | | | | |

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/25/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**PRODUCER**
Van Oppen & Co. 2, Inc.
VOCO 2 Insurance & Risk Control Services
P.O. Box 793
Teton Village WY 83025

**CONTACT NAME:** Trina Nesbitt
**PHONE (A/C, No, Ext):** 800-746-0048 **FAX (A/C, No):**
**E-MAIL ADDRESS:** service@vanoppenco2.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Homeland Insurance Company of New York | 34452 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED** ELLIS-1
Ellis Environmental Management, Inc.
430 Silver Spur Road, Ste. 201
Rancho Palos Verdes CA 90275

**COVERAGES** **CERTIFICATE NUMBER:** 1530608302 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | Y | Y | 793-00-97-88-0002 | 11/11/2023 | 11/11/2025 | EACH OCCURRENCE | $ 3,000,000 |
| | CLAIMS-MADE X OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | X CPL(Pollution) | | | | | | MED EXP (Any one person) | $ 10,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | PERSONAL & ADV INJURY | $ 3,000,000 |
| | X POLICY PRO-JECT LOC | | | | | | GENERAL AGGREGATE | $ 3,000,000 |
| | OTHER: | | | | | | PRODUCTS - COMP/OP AGG | $ 3,000,000 |
| | | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | UMBRELLA LIAB OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | DED RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N | | | | | | PER STATUTE / OTH-ER | |
| | ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | N/A | | | | | E.L. EACH ACCIDENT | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| A | Professional Liability "Claims Made" Subject to GL Aggregate | | | 793-00-97-88-0002 | 11/11/2023 | 11/11/2025 | Each Claim / Aggregate | 3,000,000 / 3,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
The City of Redondo Beach, its officers, elected and appointed officials, employees, and volunteers are included as Additional Insured under General Liability as per written contract. Coverage is Primary and Non Contributory. A Waiver of Subrogation applies as per written contract.

**CERTIFICATE HOLDER**

City of Redondo Beach
Public Works Department, Engineering Division
Attn: Jun Fujita Hall
415 Diamond Street
Redondo Beach CA 90277

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

**AUTHORIZED REPRESENTATIVE**

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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/09/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | CONTACT NAME: Commercial Support | |
|---|---|---|
| Edgewood Partners Insurance Center<br>40 Marcus Drive 3rd Floor<br><br>Melville NY 11747 | PHONE (A/C, No, Ext): (631) 390-9700 | FAX (A/C, No): (631) 390-9790 |
| | E-MAIL ADDRESS: MSMCertsCM@epicbrokers.com | |
| | INSURER(S) AFFORDING COVERAGE | NAIC # |
| | INSURER A : HARTFORD ACCIDENT AND INDEMNITY | 22357 |
| INSURED<br>Ellis Environmental Management, Inc.<br><br>879 W 190th St Ste 400<br><br>Gardena CA 90248 | INSURER B : | |
| | INSURER C : | |
| | INSURER D : | |
| | INSURER E : | |
| | INSURER F : | |

**COVERAGES** BN **CERTIFICATE NUMBER:** Cert ID 39116 (18) **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| | COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ |
| | [ ] CLAIMS-MADE [ ] OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ |
| | | | | | | | MED EXP (Any one person) | $ |
| | | | | | | | PERSONAL & ADV INJURY | $ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ |
| | [ ] POLICY [ ] PRO-JECT [ ] LOC | | | | | | PRODUCTS - COMP/OP AGG | $ |
| | [ ] OTHER: | | | | | | | $ |
| A | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | [ ] ANY AUTO | Y | Y | 12UECVZ0704 | 02/03/2025 | 02/03/2026 | BODILY INJURY (Per person) | $ |
| | [ ] OWNED AUTOS ONLY [X] SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | [X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | UMBRELLA LIAB [ ] OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB [ ] CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | [ ] DED [ ] RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | | | | | | [ ] PER STATUTE [ ] OTH-ER | |
| | ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] N / A | | | | | | E.L. EACH ACCIDENT | $ |
| | (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| | | | | | | | | $ |
| | | | | | | | | $ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The City, its officers, elected and appointed officials, employees, and volunteers are included as additional insured on a primary and non-contributory basis for auto liability coverage as required by written contract. A waiver of subrogation applies in favor of the additional insureds for auto liability as required by written contract.

**CERTIFICATE HOLDER**

City of Redondo Beach Public Works Department
Attn: Jun Fujita Hall
531 North Gertruda Ave.

Redondo Beach CA 90277-0270

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# COMMERCIAL AUTOMOBILE BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM**

To the extent that the provisions of this endorsement provide broader benefits to the "insured" than other provisions of the Coverage Form, the provisions of this endorsement apply.

**1. BROAD FORM INSURED**

**Paragraph .1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add the following:**

**d. Subsidiaries and Newly Acquired or Formed Organizations**

The Named Insured shown in the Declarations is amended to include:

(1) Any legal business entity other than a partnership or joint venture, formed as a subsidiary in which you have an ownership interest of more than 50% on the effective date of the Coverage Form. However, the Named Insured does not include any subsidiary that is an "insured" under any other automobile policy or would be an "insured" under such a policy but for its termination or the exhaustion of its Limit of Insurance.

(2) Any organization that is acquired or formed by you and over which you maintain majority ownership. However, the Named Insured does not include any newly formed or acquired organization:

(a) That is a partnership or joint venture,

(b) That is an "insured" under any other policy,

(c) That has exhausted its Limit of Insurance under any other policy, or

(d) 180 days or more after its acquisition or formation by you, unless you have given us notice of the acquisition or formation.

Coverage does not apply to "bodily injury" or "property damage" that results from an "accident" that occurred before you formed or acquired the organization.

**e. Employees as Insureds**

(1). Any "employee" of yours while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

**f. Lessors as Insureds**

(1). The lessor of a covered "auto" while the "auto" is leased to you under a written agreement if:

(a) The agreement requires you to provide direct primary insurance for the lessor and

(b) The "auto" is leased without a driver.

Such a leased "auto" will be considered a covered "auto" you own and not a covered "auto" you hire.

**g. Additional Insured if Required by Contract**

(1) When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

(a) During the policy period, and

(b) Subsequent to the execution of such written contract, and



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(c) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

(a) The limits of insurance specified in the written contract or written agreement; or

(b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in LOSS CONDITIONS 2. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM , SUIT OR LOSS – OF SECTION IV – BUSINESS AUTO CONDITIONS, in the same manner as the Named Insured.

**2. Primary and Non-Contributory if Required by Contract**

Only with respect to insurance provided to an additional insured in A.1.g. - Additional Insured If Required by Contract, the following provisions apply:

(1) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in Other Insurance 5.d.

(2) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs **(1)** and **(2)** do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

(1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

(2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, by the method described in SECTION IV- Business Auto Conditions, B. General Conditions, Other Insurance 5.d.

**3. AUTOS RENTED BY EMPLOYEES**

Any "auto" hired or rented by your "employee" on your behalf and at your direction will be considered an "auto" you hire.

The SECTION IV- Business Auto Conditions, B. General Conditions, 5. OTHER INSURANCE Condition is amended by adding the following:

e. If an "employee's" personal insurance also applies on an excess basis to a covered "auto" hired or rented by your "employee" on your behalf and at your direction, this insurance will be primary to the "employee's" personal insurance.

**4. AMENDED FELLOW EMPLOYEE EXCLUSION**

EXCLUSION 5. - FELLOW EMPLOYEE - of SECTION II - LIABILITY COVERAGE does not apply if you have workers' compensation insurance in-force covering all of your "employees".

Coverage is excess over any other collectible insurance.

**5. HIRED AUTO PHYSICAL DAMAGE COVERAGE**

If hired "autos" are covered "autos" for Liability Coverage and if Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire or borrow, subject to the following limit.

The most we will pay for "loss" to any hired "auto" is:

(1) $100,000;

(2) The actual cash value of the damaged or stolen property at the time of the "loss"; or

(3) The cost of repairing or replacing the damaged or stolen property,

whichever is smallest, minus a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. No deductible applies to "loss" caused by fire or lightning. Hired Auto Physical Damage coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own.

We will also cover loss of use of the hired "auto" if it results from an "accident", you are legally liable and the lessor incurs an actual financial loss, subject to a maximum of $1000 per "accident".

This extension of coverage does not apply to any "auto" you hire or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company), or members of their households.

**6. PHYSICAL DAMAGE - ADDITIONAL TEMPORARY TRANSPORTATION EXPENSE COVERAGE**

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is amended to provide a limit of $50 per day and a maximum limit of $1,000.

**7. LOAN/LEASE GAP COVERAGE**

Under SECTION III - PHYSICAL DAMAGE COVERAGE, in the event of a total "loss" to a covered "auto", we will pay your additional legal obligation for any difference between the actual cash value of the "auto" at the time of the "loss" and the "outstanding balance" of the loan/lease.

"Outstanding balance" means the amount you owe on the loan/lease at the time of "loss" less any amounts representing taxes; overdue payments; penalties, interest or charges resulting from overdue payments; additional mileage charges; excess wear and tear charges; lease termination fees; security deposits not returned by the lessor; costs for extended warranties, credit life Insurance, health, accident or disability insurance purchased with the loan or lease; and carry-over balances from previous loans or leases.

**8. AIRBAG COVERAGE**

Under Paragraph B. EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

The exclusion relating to mechanical breakdown does not apply to the accidental discharge of an airbag.

**9. ELECTRONIC EQUIPMENT - BROADENED COVERAGE**

a. The exceptions to Paragraphs B.4 - EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE are replaced by the following:

Exclusions **4.c.** and **4.d.** do not apply to equipment designed to be operated solely by use of the power from the "auto's" electrical system that, at the time of "loss", is:

(1) Permanently installed in or upon the covered "auto";

(2) Removable from a housing unit which is permanently installed in or upon the covered "auto";

(3) An integral part of the same unit housing any electronic equipment described in Paragraphs (1) and (2) above; or

(4) Necessary for the normal operation of the covered "auto" or the monitoring of the covered "auto's" operating system.

b. Section III, Physical Damage Coverage, Limit of Insurance, Paragraph C.2. is amended to add the following:

$1,500 is the most we will pay for "loss" in any one "accident" to all electronic equipment (other than equipment designed solely for the reproduction of sound, and accessories used with such equipment) that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:

(1) Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;

(2) Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or

(3) An integral part of such equipment.

c. For each covered "auto", should loss be limited to electronic equipment only, our obligation to pay for, repair, return or replace damaged or stolen electronic equipment will be reduced by the applicable deductible shown in the Declarations, or $250, whichever deductible is less.

**10. EXTRA EXPENSE - BROADENED COVERAGE**

Under Paragraph A. - COVERAGE - of SECTION III - PHYSICAL DAMAGE COVERAGE, we will pay for the expense of returning a stolen covered "auto" to you.

**11. GLASS REPAIR - WAIVER OF DEDUCTIBLE**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

No deductible applies to glass damage if the glass is repaired rather than replaced.

**12. TWO OR MORE DEDUCTIBLES**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

If another Hartford Financial Services Group, Inc. company policy or coverage form that is not an automobile policy or coverage form applies to the same "accident", the following applies:

(1) If the deductible under this Business Auto Coverage Form is the smaller (or smallest) deductible, it will be waived;

(2) If the deductible under this Business Auto Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

**13. AMENDED DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS**

The requirement in LOSS CONDITIONS 2.a. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS - of SECTION IV - BUSINESS AUTO CONDITIONS that you must notify us of an "accident" applies only when the "accident" is known to:

(1) You, if you are an individual;

(2) A partner, if you are a partnership;

(3) A member, if you are a limited liability company; or

(4) An executive officer or insurance manager, if you are a corporation.

**14. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS**

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

**15. HIRED AUTO - COVERAGE TERRITORY**

SECTION IV, BUSINESS AUTO CONDITIONS, PARAGRAPH B. GENERAL CONDITIONS, 7. - POLICY PERIOD, COVERAGE TERRITORY - is added to include the following:

(6) For short-term hired "autos", the coverage territory with respect to Liability Coverage is anywhere in the world provided that if the "insured's" responsibility to pay damages for "bodily injury" or "property damage" is determined in a "suit," the "suit" is brought in the United States of America, the territories and possessions of the United States of America, Puerto Rico or Canada or in a settlement we agree to.

**16. WAIVER OF SUBROGATION**

Paragraph 5. TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US - of SECTION IV - BUSINESS AUTO CONDITIONS A. Loss Conditions is amended by adding the following:

We waive any right of recovery we may have against any person or organization with whom you have a written contract that requires such waiver because of payments we make for damages under this Coverage Form.

**17. RESULTANT MENTAL ANGUISH COVERAGE**

The definition of "bodily injury" in SECTION V- DEFINITIONS, C. is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by any person, including mental anguish or death resulting from any of these.

**18. EXTENDED CANCELLATION CONDITION**

Paragraph 2. of the COMMON POLICY CONDITIONS - CANCELLATION - applies except as follows:

If we cancel for any reason other than nonpayment of premium, we will mail or deliver to the first Named Insured written notice of cancellation at least 60 days before the effective date of cancellation.

**19. HYBRID, ELECTRIC, OR NATURAL GAS VEHICLE PAYMENT COVERAGE**

In the event of a total loss to a "non-hybrid" auto for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended as follows:

a. If the auto is replaced with a "hybrid" auto or an auto powered solely by electricity or natural gas, we will pay an additional 10%, to a maximum of $2,500, of the "non-hybrid" auto's actual cash value or replacement cost, whichever is less,

b. The auto must be replaced and a copy of a bill of sale or new lease agreement received by us within 60 calendar days of the date of "loss,"

c. Regardless of the number of autos deemed a total loss, the most we will pay under this Hybrid, Electric, or Natural Gas Vehicle Payment Coverage provision for any one "loss" is $10,000.

For the purposes of the coverage provision,

a. A "non-hybrid" auto is defined as an auto that uses only an internal combustion engine to move the auto but does not include autos powered solely by electricity or natural gas.

b. A "hybrid" auto is defined as an auto with an internal combustion engine and one or more electric motors; and that uses the internal combustion engine and one or more electric motors to move the auto, or the internal combustion engine to charge one or more electric motors, which move the auto.

**20. VEHICLE WRAP COVERAGE**

In the event of a total loss to an "auto" for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended to add the following:

In addition to the actual cash value of the "auto", we will pay up to $1,000 for vinyl vehicle wraps which are displayed on the covered "auto" at the time of total loss. Regardless of the number of autos deemed a total loss, the most we will pay under this Vehicle Wrap Coverage provision for any one "loss" is $5,000. For purposes of this coverage provision, signs or other graphics painted or magnetically affixed to the vehicle are not considered vehicle wraps.

**FIRST AMENDMENT TO THE AGREEMENT**
**FOR CONSULTING SERVICES BETWEEN**
**THE CITY OF REDONDO BEACH**
**AND ELLIS ENVIRONMENTAL MANAGEMENT, INC.**

THIS FIRST AMENDMENT TO THE AGREEMENT FOR CONSULTING SERVICES ("First Amendment") is made between the City of Redondo Beach, a chartered municipal corporation ("City") and Ellis Environmental Management, Inc., a California corporation ("Contractor" or "Consultant").

WHEREAS, on November 2, 2021, the City entered into the Agreement for Consulting Services between the City and Ellis Environmental Management, Inc. a California corporation (the "Agreement"); and

WHEREAS, the City and the Consultant desire to amend the Agreement.

NOW THEREFORE, in consideration of the promises and mutual covenants contained herein, and intending to be legally bound, the parties hereby agree to make the following amendments to the Agreement:

1. **TERM AND TIME OF COMPLETION**. Exhibit "B" of the Agreement is hereby amended to add Exhibit "B-1", which extends the Agreement to November 1, 2025. Exhibit "B-1" is attached hereto and incorporated by reference. Consultant shall commence and complete all services described in Exhibit "A" in accordance with the schedule set forth in Exhibit "B-1".

2. **COMPENSATION**. Exhibit "C" of the Agreement is hereby amended to add Exhibit "C-1" to increase the limit for the total compensation paid to Consultant by $100,000 for a total compensation limit of $200,000. Exhibit "C-1" is attached hereto and incorporated by reference. Consultant shall be compensated for the services described in Exhibit "A" of the Agreement.

3. **NO OTHER AMENDMENTS**. Except as expressly stated herein, the Agreement shall remain unchanged and in full force and effect. The Agreement and First Amendment constitute the entire agreement between the parties and supersede any previous oral or written agreement with respect to the subject matter hereof. In the event of any inconsistency between the terms of the Agreement and this First Amendment, the terms of this First Amendment shall govern.

IN WITNESS WHEREOF, the parties have executed this First Amendment in Redondo Beach, California, as of this 7th day of November, 2023.

CITY OF REDONDO BEACH,
a chartered municipal corporation

DocuSigned by:
William C. Brand
E6413C7231DF4E1...

William C. Brand, Mayor

ELLIS ENVIRONMENTAL MANAGEMENT, INC., a California corporation

By: DocuSigned by:
Duane Behrens
9935AED5C3D148D...

Name: Duane Behrens

Title: President

ATTEST:

DocuSigned by:
Eleanor Manzano
72F2AC716C214CF...

Eleanor Manzano, City Clerk

APPROVED:

DocuSigned by:
Diane Strickfaden
ABED8CF35EEF48C...

Diane Strickfaden, Risk Manager

APPROVED AS TO FORM:

DocuSigned by:
Michael W. Webb
669049EDE03D402...

Michael W. Webb, City Attorney

## EXHIBIT “B-1”

## TERM AND TIME OF COMPLETION

**TERM.** The term of this Agreement shall be extended to November 1, 2025 (“Term”), unless otherwise terminated as herein provided.

## EXHIBIT "C-1"

## COMPENSATION

Provided Consultant is not in default under this Agreement, Consultant shall be compensated as provided below.

I. **AMOUNT**. Consultant shall perform the work for all City approved Task Proposal(s) in accordance with the attached hourly rate schedule, which is hereby incorporated.

II. **EXPENSES**. Consultant shall be reimbursed for expenses in accordance with the attached schedule. If Consultant requires reimbursement for expenses not provided on the attached schedule, including but not limited to, mileage, reproduction costs, and subcontractor markup, Consultant shall not be reimbursed without a subsequent written amendment, which shall be at the sole discretion of the city.

III. **NOT TO EXCEED AMOUNT**. In no event shall the total amount paid to the Consultant, including reimbursable expenses, exceed $200,000 during the term of the Agreement and any amendments thereto.

IV. **METHOD OF PAYMENT**. Consultant shall provide monthly invoices to City for approval and payment for those services performed in the month prior to invoice submission. Invoices must include the following information.

A. Task number.
B. All personnel who performed work on the Task.
C. Description of the work performed.
D. Number of hours worked.
E. Hourly rate.
F. All city approved and documented subcontractor invoices.
G. If applicable, expenses incurred.

Invoice must be itemized, adequately detailed, based on accurate records, in a form reasonably satisfactory to the city. Invoices must attach the prior written authorization of the City and copies of receipts to substantiate expense requests. Consultant may be required to provide back-up material upon request. If no work is performed in a given month, no invoice is required.

Within the approved amount of each approved Task Proposal, and with the written approval of the city, a portion of the amount from the line item of the task may be allocated to another line item task so long as the total amount approved for the Task Proposal as described in Exhibit "A" in not exceeded.

V. **SCHEDULE FOR PAYMENT**. City agrees to pay Consultant within thirty (30) days after receipt of Consultant's monthly invoice; provided, however, that services are completed to the City's reasonable satisfaction and there is no dispute over the amount.

VI. **NOTICE.** Written notices to City and Consultant shall be given by email, registered or certified mail, postage prepaid and addressed to or personally served on the following parties.

Consultant: Ellis Environmental Management, Inc.
430 Silver Spur Road, Suite 201
Rancho Palos Verdes, CA 90275
Attn: Duane Behrens
Email: duanebehrens@ellisenvironmental.com

City City of Redondo Beach
Public Works Department, Engineering Services Division
415 Diamond Street
Redondo Beach, CA 90277
Attn: Andrew Winje, City Engineer
Email: andrew.winje@redondo.org

All notices, including notices of address changes, provided under this Agreement are deemed received on the second business day after emailing and the third business day after mailing if sent by registered or certified mail. Changes in the respective address set forth above may be made from time to time by any party upon written notice to the other party.

| ***Professional Services*** | *RATE* | *UNIT* | | ***Equipment*** | *RATE* | *UNIT* |
|---|---|---|---|---|---|---|
| President, CA Environmental Professional | $ 160.00 | hour | | Q-trak (Carbon dioxide/monoxide) | $ 55.00 | day |
| Certified Industrial Hygienist | $ 160.00 | hour | | P-trak (Ultra-Fine Particles) | $ 75.00 | day |
| Project Manager (CAC, Lead Assessor) | $ 145.00 | hour | | Particulate Matter (PM) | $ 55.00 | day |
| Project Engineer (CSST, Lead Assessor) | $ 95.00 | hour | | Infrared Camera | $ 70.00 | day |
| Site Technician (CSST)/EPA Building Insp. | $ 95.00 | hour | | Moisture Meter / Duct Camera | $ 35.00 | day |
| Service Call (Site Technician) 4 hr min. | $ 380.00 | min. | | XRF Lead Paint Analyzer Pb200i | $ 212.00 | min. |
| Per 8-hr shift - normal business hours | $ 760.00 | shift | | XRF Lead Paint Analyzer Pb200i | $ 424.00 | day |
| Per 8-hr evening/weekend shift | $ 1,136.00 | shift | | Sound Level Meter | $ 35.00 | day |
| Site Technician (CSST) - after 8 hours | $ 142.00 | hour | | Multi-RAE | $ 75.00 | day |
| Emergency Response (<24 hr notice) - Site Technician | $ 135.00 | hour | | | | |
| Drafter | $ 95.00 | hour | | | | |
| Clerical | $ 44.00 | hour | | | | |
| Mileage | no charge | | | | | |
| Express Pass | no charge | | | | | |
| | | | | | | |
| ***Analysis Costs/Turnaround Time*** | | | | | | |
| **ASBESTOS** | | | | **LEAD** | | |
| PCM Air - onsite | included | | | Paint/Wipe - same day | $ 33.00 | each |
| PCM Air - lab analysis | $ 13.50 | each | | Paint/Wipe - 24 hr | $ 27.50 | each |
| TEM Air- 6hr | $ 121.00 | each | | Paint/Wipe - 48 hr | $ 22.00 | each |
| TEM Air - 24hr | $ 87.00 | each | | Paint/Wipe - 3 to 5 day | $ 19.80 | each |
| TEM Air - 3 day | $ 55.00 | each | | Air - same day | $ 33.00 | each |
| TEM Bulk- 24 hr | $ 187.00 | each | | Air - 24 hr | $ 27.50 | each |
| TEM Bulk - 48 hr | $ 144.00 | each | | Air - 3 to 5 day | $ 22.00 | each |
| TEM Bulk - 3 day | $ 110.00 | each | | TTLC - rush | $ 44.00 | each |
| PLM Bulk - same day | $ 33.00 | each | | TTLC - 24 hr | $ 38.50 | each |
| PLM Bulk - 24 hr | $ 27.50 | each | | TTLC - 48 hr | $ 33.00 | each |
| PLM Bulk - 3 day | $ 16.50 | each | | TTLC - 3 to 5 day | $ 22.00 | each |
| PLM Bulk - 5 day | $ 12.00 | each | | STLC - 3 day | $ 171.60 | each |
| Qualitative (+ or -) - 3 day | $ 44.00 | each | | STLC - 5 day | $ 105.60 | each |
| PLM 1,000 point count - 24hr | $ 138.00 | each | | TCLP - 30 hr | $ 236.50 | each |
| PLM 1,000 point count - 3 to 5 day | $ 85.00 | each | | TCLP - 48 hr | $ 118.80 | each |
| | | | | TCLP - 3 day | $ 105.60 | each |
| **MOLD / Allergens / Bacteria** | | | | | | |
| Airborne/Bulk mold - 6 hr | $ 126.00 | each | | **Volatile Organic Compounds (TO-15)** | | |
| Airborne/Bulk mold - 24 hr | $ 82.50 | each | | Tedlar Bags - 3 day | $ 333.00 | each |
| Airborne/Bulk mold - 3 to 5 day | $ 60.50 | each | | Tedlar Bags - 5 day | $ 277.00 | each |
| Airborne Culturable Bacteria - 2 weeks | $ 114.00 | each | | Summa Canister - 3 day | $ 306.00 | each |
| Allergens (group) - 5 day | $ 218.00 | each | | Summa Canister - 5 day | $ 255.00 | each |
| Allergens (single) - 5 day | $ 166.00 | each | | Flow Regulator for Summa Canister | $ 35.00 | day |
| | | | | Summa Canister rental | $ 46.00 | day |
| **RESPIRABLE / NUISANCE DUST** | | | | | | |
| Respirable or Nuisance - 24 hr | $ 55.00 | each | | **FORMALDEHYDE** | | |
| Respirable or Nuisance - 3 to 5 day | $ 44.00 | each | | Passive Sampler Badge - 3 day | $ 225.00 | each |
| | | | | Passive Sampler Badge - 5 day | $ 157.00 | each |
| **SOIL** | | | | Passive Sampler Badge - 2 weeks | $ 127.00 | each |
| Title 22 Metals (full chain) - 5 day | $ 157.00 | each | | | | |
| Metal (single) | $ 40.00 | each | | **MATERIAL IDENTIFICATION** | | |
| VOCs - call for quote | | | | Common Particle - 5 day | $ 326.00 | each |
| | | | | Full Particle - 5 day | $ 1,430.00 | each |
| **WATER** | | | | | | |
| Enterococci - M129 (+/-) - 48 hr | $ 85.00 | each | | | | |
| Enterococci - M251 (enumeration) - 48 hr | $ 90.00 | each | | | | |
| Total Coliform, E. Coli, Enterococci - M115 (+/-) - 48 hr | $ 175.00 | each | | | | |
| Total Coliform, E. Coli, Enterococci -M116 (enumeration); - 48 hr | $ 210.00 | each | | | | |
| Metals - call for quote | call | | | | | |

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/25/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**PRODUCER**
Van Oppen & Co. 2, Inc.
VOCO 2 Insurance & Risk Control Services
P.O. Box 793
Teton Village WY 83025

**CONTACT NAME:** Trina Nesbitt
**PHONE (A/C, No, Ext):** 800-746-0048 **FAX (A/C, No):**
**E-MAIL ADDRESS:** service@vanoppenco2.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Homeland Insurance Company of New York | 34452 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED** ELLIS-1
Ellis Environmental Management, Inc.
430 Silver Spur Road, Ste. 201
Rancho Palos Verdes CA 90275

**COVERAGES** **CERTIFICATE NUMBER:** 1530608302 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | Y | Y | 793-00-97-88-0002 | 11/11/2023 | 11/11/2025 | EACH OCCURRENCE | $ 3,000,000 |
| | CLAIMS-MADE X OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | X CPL(Pollution) | | | | | | MED EXP (Any one person) | $ 10,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 3,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 3,000,000 |
| | X POLICY PRO-JECT LOC | | | | | | PRODUCTS - COMP/OP AGG | $ 3,000,000 |
| | OTHER: | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | UMBRELLA LIAB OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | DED RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N | | | | | | PER STATUTE / OTH-ER | |
| | ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | N/A | | | | | E.L. EACH ACCIDENT | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| A | Professional Liability "Claims Made" Subject to GL Aggregate | | | 793-00-97-88-0002 | 11/11/2023 | 11/11/2025 | Each Claim<br>Aggregate | 3,000,000<br>3,000,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
The City of Redondo Beach, its officers, elected and appointed officials, employees, and volunteers are included as Additional Insured under General Liability as per written contract. Coverage is Primary and Non Contributory. A Waiver of Subrogation applies as per written contract.

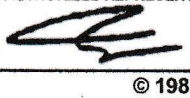
**CERTIFICATE HOLDER**

City of Redondo Beach
Public Works Department, Engineering Division
Attn: Jun Fujita Hall
415 Diamond Street
Redondo Beach CA 90277

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

**AUTHORIZED REPRESENTATIVE**



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**AGREEMENT FOR CONSULTING SERVICES**
**BETWEEN THE CITY OF REDONDO BEACH**
**AND ELLIS ENVIRONMENTAL MANAGEMENT, INC.**

THIS AGREEMENT FOR CONSULTING SERVICES (this "Agreement") is made between the City of Redondo Beach, a Chartered Municipal Corporation ("City") and Ellis Environmental Management, Inc., a California corporation ("Consultant" or "Contractor").

The parties hereby agree as follows:

1. Description of Project or Scope of Services. The project description or scope of services to be provided by Consultant, and any corresponding responsibilities of City, or services required to be performed by City are set forth in Exhibit "A."

2. Term and Time of Completion. Consultant shall commence and complete the project or services described in Exhibit "A" in accordance with the schedule set forth in Exhibit "B".

3. Compensation. City agrees to pay Consultant for work performed in accordance with Exhibit "C".

* * * * *

**GENERAL PROVISIONS**

1. Independent Contractor. Consultant acknowledges, represents and warrants that Consultant is not a regular or temporary employee, officer, agent, joint venturer or partner of the City, but rather an independent contractor. This Agreement shall not be construed as a contract of employment. Consultant shall have no rights to any benefits which accrue to City employees unless otherwise expressly provided in this Agreement. Due to the independent contractor relationship created by this Agreement, the City shall not withhold state or federal income taxes, the reporting of which shall be Consultant's sole responsibility.

2. Brokers. Consultant acknowledges, represents and warrants that Consultant has not hired, retained or agreed to pay any entity or person any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the award or making of this Agreement.

3. City Property. All plans, drawings, reports, calculations, data, specifications, videos, graphics or other materials prepared for or obtained pursuant to this Agreement shall upon request be delivered to the City within a reasonable time, and the rights thereto shall be deemed assigned to the City. If applicable,

Consultant shall prepare check prints upon request. Said plans, drawings, reports, calculations, data, specifications, videos, graphics or other materials, shall be specific for the project herein and shall not be used by the City for any other project without Consultant's consent. Notwithstanding the foregoing, Consultant shall not be obligated to assign any proprietary software or data developed by or at the direction of Consultant for Consultant's own use; provided, however, that Consultant shall, pursuant to Paragraph 14 below, indemnify, defend and hold the City harmless from and against any discovery or Public Records Act request seeking the disclosure of any such proprietary software or data.

4. Inspection. If the services set forth in Exhibit "A" shall be performed on City or other public property, the City shall have the right to inspect such work without notice. If such services shall not be performed on City or other public property, the City shall have the right to inspect such work upon reasonable notice. Inspections by the City shall not relieve or minimize the responsibility of Consultant to conduct any inspections Consultant has agreed to perform pursuant to the terms of this Agreement. Consultant shall be solely liable for said inspections performed by Consultant. Consultant shall certify in writing to the City as to the completeness and accuracy of each inspection required to be conducted by Consultant hereunder.

5. Services. The project or services set forth in Exhibit "A" shall be performed to the full satisfaction and approval of the City. In the event that the project or services set forth in Exhibit "A" are itemized by price in Exhibit "C", the City in its sole discretion may, upon notice to Consultant, delete certain items or services set forth in Exhibit "A", in which case there shall be a corresponding reduction in the amount of compensation paid to Consultant. City shall furnish Consultant to the extent available, with any City standards, details, specifications and regulations applicable to the Project and necessary for the performance of Consultant's services hereunder. Notwithstanding the foregoing, any and all additional data necessary for design shall be the responsibility of Consultant.

6. Records. Consultant, including any of its subcontractors shall maintain full and complete documents and records, including accounting records, employee time sheets, work papers, and correspondence pertaining to the project or services set forth in Exhibit "A". Consultant, including any of its subcontractors shall make such documents and records available for City review or audit upon request and reasonable notice, and shall keep such documents and records, for at least four (4) years after Consultant's completion of performance of this Agreement. Copies of all pertinent reports and correspondence shall be furnished to the City for its files.

7. Changes and Extra Work. All changes and/or extra work under this Agreement shall be performed and paid for in accordance with the following:

Only the City Council, City Manager, or the Department Head responsible for the administration of, or supervision of the scope of work under, this Agreement may authorize extra and/or changed work. Consultant expressly recognizes that other City personnel are without authorization to either order extra and/or changed work or waive contract requirements. Failure of Consultant to secure the written authorization for such extra and/or changed work shall constitute a waiver of any and all right to adjustment in contract price due to such unauthorized work and Consultant thereafter shall be entitled to no compensation whatsoever for performance of such work.

If Consultant is of the opinion that any work which Consultant has been directed to perform is beyond the scope of this Agreement and constitutes extra work, Consultant shall promptly notify the City of the fact. The City shall make a determination as to whether or not such work is, in fact, beyond the scope of this Agreement and constitutes extra work. In the event that the City determines that such work does constitute extra work, City shall provide extra compensation to Consultant on a fair and equitable basis. A written amendment providing for such compensation for extra work shall be executed by Consultant and the City.

8. Additional Assistance. If this Agreement requires Consultant to prepare plans and specifications, Consultant shall provide assistance as necessary to resolve any questions regarding such plans and specifications that may arise during the period of advertising for bids, and Consultant shall issue any necessary addenda to the plans and specifications as requested. In the event Consultant is of the opinion that City's requests for addenda and assistance is outside the scope of normal services, the parties shall proceed in accordance with the changes and extra work provisions of this Agreement.

9. Professional Ability. Consultant acknowledges, represents and warrants that Consultant is skilled and able to competently provide the services hereunder, and possesses all professional licenses, certifications, and approvals necessary to engage in its occupation. City has relied upon the professional ability and training of Consultant as a material inducement to enter into this Agreement. Consultant shall perform in accordance with generally accepted professional practices and standards of Consultant's profession.

10. Business License. Consultant shall obtain a Redondo Beach Business License before performing any services required under this Agreement. The failure to so obtain such license shall be a material breach of this Agreement and grounds for immediate termination by City; provided, however, that City may waive the business license requirement in writing under unusual circumstances without necessitating any modification of this Agreement to reflect such waiver.

11. Termination Without Default. Notwithstanding any provision herein to the contrary, the City may, in its sole and absolute discretion and without cause, terminate this Agreement at any time prior to completion by Consultant of the

project or services hereunder, immediately upon written notice to Consultant. In the event of any such termination, Consultant shall be compensated for: (1) all authorized work satisfactorily performed prior to the effective date of termination; and (2) necessary materials or services of others ordered by Consultant for this Agreement, prior to Consultant's receipt of notice of termination, irrespective of whether such materials or services of others have actually been delivered, and further provided that Consultant is not able to cancel such orders. Compensation for Consultant in such event shall be determined by the City in accordance with the percentage of the project or services completed by Consultant; and all of Consultant's finished or unfinished work product through the time of the City's last payment shall be transferred and assigned to the City. In conjunction with any termination of this Agreement, the City may, at its own expense, make copies or extract information from any notes, sketches, computations, drawings, and specifications or other data, whether complete or not.

12. Termination in the Event of Default. Should Consultant fail to perform any of its obligations hereunder, within the time and in the manner provided or otherwise violate any of the terms of this Agreement, the City may immediately terminate this Agreement by giving written notice of such termination, stating the reasons for such termination. Consultant shall be compensated as provided immediately above, provided, however, there shall be deducted from such amount the amount of damages if any, sustained by the City by virtue of Consultant's breach of this Agreement.

13. Conflict of Interest. Consultant acknowledges, represents and warrants that Consultant shall avoid all conflicts of interest (as defined under any federal, state or local statute, rule or regulation, or at common law) with respect to this Agreement. Consultant further acknowledges, represents and warrants that Consultant has no business relationship or arrangement of any kind with any City official or employee with respect to this Agreement. Consultant acknowledges that in the event that Consultant shall be found by any judicial or administrative body to have any conflict of interest (as defined above) with respect to this Agreement, all consideration received under this Agreement shall be forfeited and returned to City forthwith. This provision shall survive the termination of this Agreement for one (1) year.

14. Indemnity. To the maximum extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to defend protect, indemnify, and hold harmless the City, its elected and appointed officials, officers, employees, volunteers, attorneys, and agents (collectively "Indemnitees") from and against any and all claims, including, without limitation, claims for bodily injury, death or damage to property, demands, charges, obligations, damages, causes of action, proceedings, suits, losses, stop payment notices, judgments, fines, liens, penalties, liabilities, costs and expenses of every kind and nature whatsoever, in any manner arising out of, incident to, related to, in connection with or arising from any act, failure to act, error or omission of Consultant's performance or work

hereunder (including any of its officers, agents, employees, Subcontractors) or its failure to comply with any of its obligations contained in the Agreement, or its failure to comply with any current or prospective law, except for such loss or damage which was caused by the sole negligence or willful misconduct of the City. Notwithstanding the foregoing, nothing in this Section 14 shall be construed to encompass Indemnitees' active negligence to the limited extent that this Agreement is subject to Civil Code Section 2782(b). Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Consultant or Indemnitees. This indemnification obligation shall survive this Agreement and shall not be limited by any term of any insurance policy required under this Agreement.

a. Nonwaiver of Rights. Indemnitees do not and shall not waive any rights that they may possess against Consultant because the acceptance by City, or the deposit with City, of any insurance policy or certificate required pursuant to this Agreement.

b. Waiver of Right of Subrogation. Consultant, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees.

15. Insurance. Consultant shall comply with the requirements set forth in Exhibit "D." Insurance requirements that are waived by the City's Risk Manager do not require amendments or revisions to this Agreement.

16. Non-Liability of Officials and Employees of the City. No official or employee of the City shall be personally liable for any default or liability under this Agreement.

17. Compliance with Laws. Consultant shall comply with all federal, state and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals, with respect to this Agreement, including without limitation all environmental laws, employment laws, and non-discrimination laws.

a. Acknowledgement. Consultant acknowledges that eight (8) hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810. Consultant shall comply with and be bound by the provisions of Labor Code Section 1813 concerning penalties for workers who work excess hours. Consultant shall, as a penalty to the City, forfeit twenty-five dollars ($25) for each worker employed in the performance of this Agreement by the Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any one calendar week. Pursuant to Labor Code section 1815, work performed by employees of Consultant in excess of 8 hours per day, and 40 hours during any one week shall be permitted upon public work upon compensation for all hours worked in

excess of 8 hours per day at not less than 11/2 times the basic rate of pay. For every subcontractor who will perform work on the project, Consultant shall be responsible for such subcontractor's compliance with Labor Code Sections 1810, 1813 and 1815, and Consultant shall include in the written contract between it and each subcontractor copies of Labor Code Sections 1810, 1813 and 1815 and a requirement that each subcontractor shall comply with these aforementioned sections. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractor's compliance, including without limitation, conducting a periodic review of the certified payroll records of the subcontractor and upon becoming aware of the failure of the subcontractor comply with Labor Code Sections 1810, 1813 and 1815, Consultant shall diligently take corrective action to halt or rectify the failure.

b. Prevailing Wages. City and Consultant acknowledge that this project is a public work to which prevailing wages apply. Consultant shall comply with the Agreement to Comply with California Labor Law Requirements set forth in Exhibit "E", which is attached hereto and incorporated by reference.

18. Limitations upon Subcontracting and Assignment. Consultant acknowledges that the services which Consultant shall provide under this Agreement are unique, personal services which, except as otherwise provided herein, Consultant shall not assign or sublet to any other party without the prior written approval of City, which approval may be withheld in the City's sole and absolute discretion. In the event that the City, in writing, approves any assignment or subletting of this Agreement or the retention of subcontractors by Consultant, Consultant shall provide to the City upon request copies of each and every subcontract prior to the execution thereof by Consultant and subcontractor. Any attempt by Consultant to assign any or all of its rights under this Agreement without first obtaining the City's prior written consent shall constitute a material default under this Agreement.

The sale, assignment, transfer or other disposition, on a cumulative basis, of twenty-five percent (25%) or more of the ownership interest in Consultant or twenty-five percent (25%) or more the voting control of Consultant (whether Consultant is a corporation, limited liability company, partnership, joint venture or otherwise) shall constitute an assignment for purposes of this Agreement. Further, the involvement of Consultant or its assets in any transaction or series of transactions (by way of merger, sale, acquisition, financing, transfer, leveraged buyout or otherwise), whether or not a formal assignment or hypothecation of this Agreement or Consultant's assets occurs, which reduces Consultant's assets or net worth by twenty-five percent (25%) or more shall also constitute an assignment for purposes of this Agreement.

19. Subcontractors. Consultant shall provide properly skilled professional and technical personnel to perform any approved subcontracting duties. Consultant shall not engage the services of any person or persons now employed by the

City without the prior written approval of City, which approval may be withheld in the City's sole and absolute discretion.

20. Integration. This Agreement constitutes the entire agreement between the parties concerning the subject matter hereof and supersedes any previous oral or written agreement; provided, however, that correspondence or documents exchanged between Consultant and City may be used to assist in the interpretation of the exhibits to this Agreement.

21. Amendment. This Agreement may be amended or modified only by a subsequent written amendment executed by both parties.

22. Conflicting Provisions. In the event of a conflict between the terms and conditions of this Agreement and those of any exhibit or attachment hereto, this Agreement proper shall prevail. In the event of a conflict between the terms and conditions of any two or more exhibits or attachments hereto, those prepared by the City shall prevail over those prepared by Consultant.

23. Non-Exclusivity. Notwithstanding any provision herein to the contrary, the services provided by Consultant hereunder shall be non-exclusive, and City reserves the right to employ other contractors in connection with the project.

24. Exhibits. All exhibits hereto are made a part hereof and incorporated herein by reference; provided, however, that any language in Exhibit "A" which does not pertain to the project description, proposal, or scope of services (as applicable) to be provided by Consultant, or any corresponding responsibilities of City, shall be deemed extraneous to, and not a part of, this Agreement.

25. Time of Essence. Time is of the essence of this Agreement.

26. Confidentiality. To the extent permissible under law, Consultant shall keep confidential its obligations hereunder and the information acquired during the performance of the project or services hereunder.

27. Third Parties. Nothing herein shall be interpreted as creating any rights or benefits in any third parties. For purposes hereof, transferees or assignees as permitted under this Agreement shall not be considered "third parties."

28. Governing Law and Venue. This Agreement shall be construed in accordance with the laws of the State of California without regard to principles of conflicts of law. Venue for any litigation or other action arising hereunder shall reside exclusively in the Superior Court of the County of Los Angeles, Southwest Judicial District.

29. Attorneys' Fees. In the event either party to this Agreement brings any action to enforce or interpret this Agreement, the prevailing party in such action shall be

entitled to reasonable attorneys' fees (including expert witness fees) and costs. This provision shall survive the termination of this Agreement.

30. Claims. Any claim by Consultant against City hereunder shall be subject to Government Code §§ 800 *et seq*. The claims presentation provisions of said Act are hereby modified such that the presentation of all claims hereunder to the City shall be waived if not made within six (6) months after accrual of the cause of action.

31. Interpretation. Consultant acknowledges that it has had ample opportunity to seek legal advice with respect to the negotiation of this Agreement. This Agreement shall be interpreted as if drafted by both parties.

32. Warranty. In the event that any product shall be provided to the City as part of this Agreement, Consultant warrants as follows: Consultant possesses good title to the product and the right to transfer the product to City; the product shall be delivered to the City free from any security interest or other lien; the product meets all specifications contained herein; the product shall be free from material defects in materials and workmanship under normal use for a period of one (1) year from the date of delivery; and the product shall be fit for its intended purpose(s). Notwithstanding the foregoing, consumable and maintenance items (such as light bulbs and batteries) shall be warranted for a period of thirty (30) days from the date of delivery. All repairs during the warranty period shall be promptly performed by Consultant, at Consultant's expense, including shipping. Consultant shall not be liable under this warranty for an amount greater than the amount set forth in Exhibit "C" hereto.

33. Severance. Any provision of this Agreement that is found invalid or unenforceable shall be deemed severed, and all remaining provisions of this Agreement shall remain enforceable to the fullest extent permitted by law.

34. Authority. City warrants and represents that upon City Council approval, the Mayor of the City of Redondo Beach is duly authorized to enter into and execute this Agreement on behalf of City. The party signing on behalf of Consultant warrants and represents that he or she is duly authorized to enter into and execute this Agreement on behalf of Consultant, and shall be personally liable to City if he or she is not duly authorized to enter into and execute this Agreement on behalf of Consultant.

35. Waiver. The waiver by the City of any breach of any term or provision of this Agreement shall not be construed as a waiver of any subsequent breach.

*SIGNATURES FOLLOW ON NEXT PAGE*

IN WITNESS WHEREOF, the parties have executed this Agreement in Redondo Beach, California, as of this 2nd day of November, 2021.

CITY OF REDONDO BEACH

Zein Obagi, Jr

for William C. Brand, Mayor

Mayor Pro Tem

ELLIS ENVIRONMENTAL MANAGEMENT, INC.

By:

Name: JANE BEHRENS

Title: VP ADMINISTRATION

ATTEST:

Eleanor Manzano, City Clerk

APPROVED:

Diane Strickfaden, Risk Manager

APPROVED AS TO FORM:

Michael W. Webb, City Attorney

## EXHIBIT "A"

## PROJECT DESCRIPTION AND/OR SCOPE OF SERVICES

### I. CONSULTANT'S DUTIES

Consultant shall perform the following services.

A. Consultant shall provide on-call for environmental consulting and testing services, including but not limited to the following:

1. Hazardous material testing, including asbestos and lead in air, in building materials, and in soil.
2. Moisture assessments and guidance following water intrusion events.
3. Soils testing for VOCs, metals and TPH (required for trenching and excavation).
4. Surface sampling for sewage contaminants following emergency cleanups.
5. Potable and recreational water testing.
6. Indoor air quality testing: Mold, VOCs, CO2, CO, temp, humidity, dusts (nuisance, respirable and ultra-fines), asbestos, lead, formaldehyde, etc.
7. Noise level testing.
8. Abatement design specifications and bid phase services, including providing site access to abatement contractors.
9. Oversight and monitoring of all abatement and remedial projects, followed by final clearance and completion report.

B. Upon City's written request as described in Section II.A, Consultant shall prepare a written scope of work for the City's requested tasks, including all components and subtasks, the cost to perform the task, including costs and markup from subcontractors, an explanation of how the cost was determined, and a schedule for completion of the task (collectively "Task Proposal"). The costs specified in the Task Proposal shall be in accordance with Exhibit "C".

C. Upon the City's written approval of the Task Proposal, the Consultant shall commence services for the task. Any language that does not pertain to the scope of work, compensation, or duration of agreement shall be deemed extraneous and not incorporated within this Agreement.

D. Consultant shall identify all personnel used to accomplish the services in the Task Proposal. Consultant shall obtain City's approval of any substitutions of leading personnel for the task as soon as the need for a substitution is known.

E. Consultant shall identify any subcontractor(s) and include the work of subcontractors in the proposed scope of work. Consultant shall not replace the subcontractor for the task without the prior written approval of the City.

F. Consultant shall provide a task number for the City approved task.

G. Consultant shall complete the task and present all deliverables to the City by the completion date provided to City.

H. During performance of the services, Consultant shall provide a bi-weekly written summary of progress on all on-call services to keep the City updated as to the status of performance. Consultant shall either draft a report or deliver an email to the City's designated project manager.

I. Consultant shall provide all work product for review and acceptance by the City. Upon City's request, Consultant shall revise the work product without additional charge to the City until the City accepts it.

## II. CITY'S DUTIES

City will perform the following services.

A. City will provide a written task request with a description of the work to be performed for the task, and the time desired for completion.

B. City, in its sole discretion, may approve, modify or reject the Consultant's Task Proposal.

C. Notwithstanding anything described herein, in the event Article XIX of the City Charter and Chapters 6 and 6.1 of Title 2 of the Redondo Beach Municipal Code apply to the work described herein, the Consultant shall not be authorized to perform the subject work under this Agreement.

## EXHIBIT "B"

## SCHEDULE FOR COMPLETION

**TERM**. The term of this Agreement shall commence on November 2, 2021 and continue through November 1, 2023 ("Term"), unless otherwise terminated as herein provided. Consultant shall perform the services in accordance with the schedule in each Task Proposal. City may approve extensions for performance of the services in each task; provided, however, that the Consultant shall not work beyond the expiration date of this Agreement.

**EXHIBIT "C"**

**COMPENSATION**

Provided Consultant is not in default under this Agreement, Consultant shall be compensated as provided below.

I. **AMOUNT**. Consultant shall perform the work for all City approved Task Proposal(s) in accordance with the attached schedule, which is hereby incorporated.

II. **EXPENSES**. Expenses incurred by Consultant in performance of this work are incorporated in the attached rates and fees. No compensation shall be paid to Consultant unless it is provided in the attached rate and fee schedule. However, in the event Consultant incurs extraordinary expenses, City may reimburse Consultant; provided, however, that both parties execute a written amendment authorizing the reimbursement.

III. **NOT TO EXCEED AMOUNT**. In no event shall the total amount paid to Consultant, including reimbursable expenses, exceed $100,000 during the term of this Agreement.

IV. **METHOD OF PAYMENT**. Consultant shall provide monthly invoices to City for approval and payment for those services performed in the month prior to invoice submission. Invoices must include the following information.

A. Task number.
B. All personnel who performed work on the Task Proposal.
C. Description of the work performed.
D. Number of hours worked
E. Hourly rate.
F. All City approved and documented subcontractor invoices.
G. If applicable, expenses incurred

Within the approved amount for each approved Task Proposal, and with the written approval of the City, a portion of the amount from one line item of the Task may be allocated to another line item of the Task so long as the total amount approved for the Task Proposal as described in Exhibit "A" is not exceeded.

Invoices must be adequately detailed, based on accurate records, and in a form reasonably satisfactory to City, and include the prior written authorization of the City and copies of receipts to substantiate expense requests. Consultant may be required to provide back-up material upon request. If no work is performed in a given month, no invoice is required.

V. **SCHEDULE FOR PAYMENT**. City agrees to pay Consultant within thirty days of City's receipt of Consultant's monthly invoice; provided that services are completed to the City's reasonable satisfaction and there is no dispute over the amount.

VI. **NOTICE.** Written notices to City and Consultant shall be given by registered or certified mail, postage prepaid and addressed to or personally served on the following parties.

Consultant: Ellis Environmental Management Inc.
430 Silver Spur Road, Suite 201
Rancho Palos Verdes, CA 90275
Attention: Duane Behrens

City: City of Redondo Beach
Public Works Department, Engineering Division
415 Diamond Street
Redondo Beach, CA 90277
Attention: City Engineer

All notices, including notices of address changes, provided under this Agreement are deemed received on the third day after mailing if sent by registered or certified mail. Changes in the respective address set forth above may be made from time to time by any party upon written notice to the other party.

# RATE SCHEDULE

| Professional Services | RATE | UNIT |
|---|---|---|
| President, CA Environmental Professional | $ 160.00 | hour |
| Certified Industrial Hygienist | $ 160.00 | hour |
| Project Manager (CAC, Lead Assessor) | $ 140.00 | hour |
| Project Engineer (CSST, Lead Assessor) | $ 90.00 | hour |
| Site Technician (CSST)/EPA Building Insp. | $ 90.00 | hour |
| Service Call (Site Technician) 4 hr min. | $ 360.00 | min. |
| Per 8-hr shift - normal business hours | $ 720.00 | shift |
| Per 8-hr evening/weekend shift | $ 1,080.00 | shift |
| Site Technician (CSST) - after 8 hours | $ 110.00 | hour |
| Emergency Response (< 24 hr notice) - Site Technician | $ 110.00 | hour |
| Drafter | $ 85.00 | hour |
| Clerical | $ 40.00 | hour |
| Mileage | no charge | |
| Express Pass | no charge | |

| Equipment | RATE | UNIT |
|---|---|---|
| Q-trak (Carbon dioxide/monoxide) | $ 55.00 | day |
| P-trak (Ultra-Fine Particles) | $ 75.00 | day |
| Particulate Matter (PM) | $ 55.00 | day |
| Infrared Camera | $ 70.00 | day |
| Moisture Meter / Duct Camera | $ 35.00 | day |
| XRF Lead Paint Analyzer Pb200i | $ 212.00 | min. |
| XRF Lead Paint Analyzer Pb200i | $ 424.00 | day |
| Sound Level Meter | $ 35.00 | day |
| Multi-RAE | $ 75.00 | day |

## Analysis Costs/Turnaround Time

| ASBESTOS | | | LEAD | | |
|---|---|---|---|---|---|
| PCM Air - onsite | included | | Paint/Wipe - same day | $ 30.00 | each |
| PCM Air - lab analysis | $ 12.00 | each | Paint/Wipe - 24 hr | $ 25.00 | each |
| TEM Air- 6hr | $ 110.00 | each | Paint/Wipe - 48 hr | $ 20.00 | each |
| TEM Air - 24hr | $ 65.00 | each | Paint/Wipe - 3 to 5 day | $ 18.00 | each |
| TEM Air - 3 day | $ 45.00 | each | Air - same day | $ 30.00 | each |
| TEM Bulk- 24 hr | $ 150.00 | each | Air - 24 hr | $ 25.00 | each |
| TEM Bulk - 48 hr | $ 115.00 | each | Air - 3 to 5 day | $ 20.00 | each |
| TEM Bulk - 3 day | $ 90.00 | each | TTLC - rush | $ 38.00 | each |
| PLM Bulk - same day | $ 30.00 | each | TTLC - 24 hr | $ 35.00 | each |
| PLM Bulk - 24 hr | $ 25.00 | each | TTLC - 48 hr | $ 30.00 | each |
| PLM Bulk - 3 day | $ 15.00 | each | TTLC - 3 to 5 day | $ 20.00 | each |
| PLM Bulk - 5 day | $ 10.00 | each | STLC - 3 day | $ 156.00 | each |
| Qualitative (+ or -) - 3 day | $ 40.00 | each | STLC - 5 day | $ 96.00 | each |
| PLM 1,000 point count - 24hr | $ 120.00 | each | TCLP - 30 hr | $ 215.00 | each |
| PLM 1,000 point count - 3 to 5 day | $ 85.00 | each | TCLP - 48 hr | $ 108.00 | each |
| | | | TCLP - 3 day | $ 96.00 | each |
| MOLD / Allergens / Bacteria | | | | | |
| Airborne/Bulk mold - 6 hr | $ 110.00 | each | Volatile Organic Compounds (TO-15) | | |
| Airborne/Bulk mold - 24 hr | $ 75.00 | each | Tedlar Bags - 3 day | $ 225.00 | each |
| Airborne/Bulk mold - 3 to 5 day | $ 55.00 | each | Tedlar Bags - 5 day | $ 180.00 | each |
| Airborne Culturable Bacteria - 2 weeks | $ 100.00 | each | Summa Canister - 3 day | $ 225.00 | each |
| Allergens (group) - 5 day | $ 180.00 | each | Summa Canister - 5 day | $ 180.00 | each |
| Allergens (single) - 5 day | $ 140.00 | each | Flow Regulator for Summa Canister | $ 30.00 | day |
| | | | Summa Canister rental | $ 42.00 | day |
| RESPIRABLE / NUISANCE DUST | | | | | |
| Respirable or Nuisance - 24 hr | $ 50.00 | each | FORMALDEHYDE | | |
| Respirable or Nuisance - 3 to 5 day | $ 40.00 | each | Passive Sampler Badge - 3 day | $ 200.00 | each |
| | | | Passive Sampler Badge - 5 day | $ 125.00 | each |
| SOIL | | | Passive Sampler Badge - 2 weeks | $ 100.00 | each |
| Title 22 Metals (full chain) - 5 day | $ 115.00 | each | | | |
| Metal (single) | $ 18.00 | each | MATERIAL IDENTIFICATION | | |
| VOCs - call for quote | | | Common Particle - 5 day | $ 260.00 | each |
| | | | Full Particle - 5 day | $ 1,090.00 | each |
| WATER | | | | | |
| Enterococci - M129 (+/-) - 48 hr | $ 65.00 | each | | | |
| Enterococci - M251 (enumeration) - 48 hr | $ 76.00 | each | | | |
| Total Colform, E. Coli, Enterococci - M115 (+/-) - 48 hr | $ 155.00 | each | | | |
| Total Coliform, E. Coli, Enterococci -M116 (enumeration); - 48 hr | $ 190.00 | each | | | |
| Metals - call for quote | call | | | | |

## EXHIBIT "D"

## INSURANCE REQUIREMENTS FOR CONSULTANTS

Without limiting Consultant's indemnification obligations under this Agreement, Consultant shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Consultant, its agents, representatives, or employees.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).

Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 (any auto).

Workers' Compensation insurance as required by the State of California.

Employer's Liability Insurance.

Minimum Limits of Insurance

Consultant shall maintain limits no less than:

General Liability: $1,000,000 per occurrence for bodily injury, personal injury and property damage. The general aggregate limit shall apply separately to this project.

Automobile Liability: $1,000,000 per accident for bodily injury and property damage.

Employer's Liability: $1,000,000 per accident for bodily injury or disease.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers or (2) the Consultant shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

Additional Insured Endorsement:

General Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of work performed by or on behalf of the Consultant. General liability coverage can be provided in the form of an endorsement to the Consultant's insurance, or as a separate owner's policy.

Automobile Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the Consultant.

For any claims related to this project, the Consultant's insurance coverage shall be primary insurance as respects the City, its officers, elected and appointed officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

Each insurance policy shall be endorsed to state that the inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverages afforded shall apply as though separate policies had been issued to each insured.

Each insurance policy shall be in effect prior to awarding the contract and each insurance policy or a successor policy shall be in effect for the duration of the project. The maintenance of proper insurance coverage is a material element of the contract and failure to maintain or renew coverage or to provide evidence of renewal may be treated by the City as a material breach of contract on the Consultant's part.

Acceptability of Insurers

Insurance shall be placed with insurers with a current A.M. Best's rating of no less than A:VII and which are authorized to transact insurance business in the State of California by the Department of Insurance.

Verification of Coverage

Consultant shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on the City authorized forms provided with the contract specifications. Standard ISO forms which shall be subject to City approval and amended to conform to the City's requirements may be acceptable in lieu of City authorized forms. All certificates and endorsements shall be received and approved by the City before the contract is awarded. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Subcontractors

Consultant shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

Risk Management

Consultant acknowledges that insurance underwriting standards and practices are subject to change, and the City reserves the right to make changes to these provisions in the reasonable discretion of its Risk Manager.

## EXHIBIT "E"

## AGREEMENT TO COMPLY WITH CALIFORNIA LABOR LAW REQUIREMENTS

1. Contractor acknowledges that the project as defined in this Agreement between Contractor and the City, to which this Agreement to Comply with California Labor Law Requirements is attached and incorporated by reference, is a "public work" as defined in Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code ("Chapter 1"), and that this Agreement is subject to (a) Chapter 1, including without limitation Labor Code Section 1771 and (b) the rules and regulations established by the Director of Industrial Relations ("DIR") implementing such statutes. Contractor shall perform all work on the project as a public work. Contractor shall comply with and be bound by all the terms, rules and regulations described in 1(a) and 1(b) as though set forth in full herein.

2. California law requires the inclusion of specific Labor Code provisions in certain contracts. The inclusion of such specific provisions below, whether or not required by California law, does not alter the meaning or scope of Section 1 above.

3. Pursuant to Labor Code Section 1771.4, Contractor shall post job site notices, as prescribed by regulation.

4. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Contractor acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Contractor shall post such rates at each job site covered by this Agreement.

5. Contractor shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The Contractor shall, as a penalty to the City, forfeit the maximum amount allowable by law for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the DIR for the work or craft in which the worker is employed for any public work done pursuant to this Agreement by Contractor or by any subcontractor.

6. Contractor shall comply with and be bound by the provisions of Labor Code Section 1776, which requires Contractor and each subcontractor to (1) keep accurate payroll records and verify such records in writing under penalty of perjury, as specified in Section 1776, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform the City of the location of the records.

7. Contractor shall comply with and be bound by the provisions of Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code title 8, section 200 *et seq.* concerning the employment of apprentices on public works projects. Contractor shall be responsible for compliance with these aforementioned Sections for all apprenticeable occupations. Prior to commencing work under this Agreement, Contractor shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within sixty (60) days after concluding work pursuant to this Agreement, Contractor and each of its subcontractors shall submit to the City a verified statement of the journeyman and apprentice hours performed under this Agreement.

8. Contractor acknowledges that eight (8) hours labor constitutes a legal day's work. Contractor shall comply with and be bound by Labor Code Section 1810. Contractor shall comply with and be bound by the provisions of Labor Code Section 1813 concerning penalties for workers who work excess hours. The Contractor shall, as a penalty to the City, forfeit twenty-five dollars ($25) for each worker employed in the performance of this Agreement by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code section 1815, work performed by employees of Contractor in excess of 8 hours per day, and 40 hours during any one week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 and 1/2 times the basic rate of pay.

9. California Labor Code Sections 1860 and 3700 provide that every employer will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Contractor hereby certifies as follows:

> "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."

10. For every subcontractor who will perform work on the project, Contractor shall be responsible for such subcontractor's compliance with Chapter 1 and Labor Code Sections 1860 and 3700, and Contractor shall include in the written contract between it and each subcontractor a copy of those statutory provisions and a requirement that each subcontractor shall comply with those statutory provisions. Contractor shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractor's compliance, including without limitation, conducting a periodic review of the certified payroll records of the subcontractor and upon becoming aware of the failure of the subcontractor to pay his or her workers the specified prevailing rate of wages. Contractor shall diligently take corrective action to halt or rectify any failure.

11. To the maximum extent permitted by law, Contractor shall indemnify, hold harmless and defend (at Contractor's expense with counsel acceptable to the City) the City, its officials, officers, employees, agents, independent contractors, and volunteers from and against any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Contractor, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all consequential damages, attorneys' fees, and other related costs and expenses. All duties of Contractor under this Section shall survive termination of the Agreement.

Client#: 72744 ELLIENVI1

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/26/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | CONTACT NAME: Jill Westberry | |
|---|---|---|
| Edgewood Partners Ins. Center<br>350 Hudson Street<br>4th Floor<br>New York, NY 10014 | PHONE (A/C, No, Ext): 212.488.0238 | FAX (A/C, No): 212.918.9308 |
| | E-MAIL ADDRESS: Jill.Westberry@epicbrokers.com | |
| | INSURER(S) AFFORDING COVERAGE | NAIC # |
| | INSURER A : Hartford Accident & Indemnity Company | 22357 |
| INSURED<br>Ellis Environmental Management, Inc.<br>430 Silver Spur Rd. Ste 201<br>Rancho Palos Verdes, CA 90275 | INSURER B : | |
| | INSURER C : | |
| | INSURER D : | |
| | INSURER E : | |
| | INSURER F : | |

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| | COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ |
| | [ ] CLAIMS-MADE [ ] OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ |
| | | | | | | | MED EXP (Any one person) | $ |
| | | | | | | | PERSONAL & ADV INJURY | $ |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ |
| | [ ] POLICY [ ] PRO-JECT [ ] LOC | | | | | | PRODUCTS - COMP/OP AGG | $ |
| | [ ] OTHER: | | | | | | | $ |
| A | AUTOMOBILE LIABILITY | X | | 72UECVZ0704SC | 02/03/2021 | 02/03/2022 | COMBINED SINGLE LIMIT (Ea accident) | $1,000,000 |
| | [ ] ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | [ ] OWNED AUTOS ONLY [X] SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | [X] HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | [X] Comp. Ded:$1K [X] Coll. Ded:$1K | | | | | | | $ |
| | UMBRELLA LIAB [ ] OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB [ ] CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | [ ] DED [ ] RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | | | | | | [ ] PER STATUTE [ ] OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] | N / A | | | | | E.L. EACH ACCIDENT | $ |
| | (Mandatory in NH) | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - POLICY LIMIT | $ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of Redondo Beach Public Works Department, Engineering Division, The City, its officers, elected and appointed officials, employees, and volunteers are included as additional insured on Automobile Liability policy per the attached endorsement. Automobile Liability Policy is primary and non-contributory per the attached endorsement.

CERTIFICATE HOLDER

City of Redondo Beach
Public Works Department,
Engineering Division
Attention: City Engineer
415 Diamond Street
Redondo Beach, CA 90277

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# COMMERCIAL AUTOMOBILE BROAD FORM ENDORSEMENT

This endorsement modifies insurance provided under the following:

**BUSINESS AUTO COVERAGE FORM**

To the extent that the provisions of this endorsement provide broader benefits to the "insured" than other provisions of the Coverage Form, the provisions of this endorsement apply.

**1. BROAD FORM INSURED**

**A. Subsidiaries and Newly Acquired or Formed Organizations**

The Named Insured shown in the Declarations is amended to include:

(1) Any legal business entity other than a partnership or joint venture, formed as a subsidiary in which you have an ownership interest of more than 50% on the effective date of the Coverage Form. However, the Named Insured does not include any subsidiary that is an "insured" under any other automobile policy or would be an "insured" under such a policy but for its termination or the exhaustion of its Limit of Insurance.

(2) Any organization that is acquired or formed by you and over which you maintain majority ownership. However, the Named Insured does not include any newly formed or acquired organization:

(a) That is a partnership or joint venture,

(b) That is an "insured" under any other policy,

(c) That has exhausted its Limit of Insurance under any other policy, or

(d) 180 days or more after its acquisition or formation by you, unless you have given us notice of the acquisition or formation.

Coverage does not apply to "bodily injury" or "property damage" that results from an "accident" that occurred before you formed or acquired the organization.

**B. Employees as Insureds**

Paragraph A.1. - WHO IS AN INSURED - of SECTION II - LIABILITY COVERAGE is amended to add:

d. Any "employee" of yours while using a covered "auto" you don't own, hire or borrow in your business or your personal affairs.

**C. Lessors as Insureds**

Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:

e. The lessor of a covered "auto" while the "auto" is leased to you under a written agreement if:

(1) The agreement requires you to provide direct primary insurance for the lessor and

(2) The "auto" is leased without a driver.

Such a leased "auto" will be considered a covered "auto" you own and not a covered "auto" you hire.

**D. Additional Insured if Required by Contract**

(1) Paragraph A.1. - WHO IS AN INSURED - of Section II - Liability Coverage is amended to add:

f. When you have agreed, in a written contract or written agreement, that a person or organization be added as an additional insured on your business auto policy, such person or organization is an "insured", but only to the extent such person or organization is liable for "bodily injury" or "property damage" caused by the conduct of an "insured" under paragraphs a. or b. of Who Is An Insured with regard to the ownership, maintenance or use of a covered "auto."

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The insurance afforded to any such additional insured applies only if the "bodily injury" or "property damage" occurs:

(1) During the policy period, and

(2) Subsequent to the execution of such written contract, and

(3) Prior to the expiration of the period of time that the written contract requires such insurance be provided to the additional insured.

(2) How Limits Apply

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the most we will pay on behalf of such additional insured is the lesser of:

(a) The limits of insurance specified in the written contract or written agreement; or

(b) The Limits of Insurance shown in the Declarations.

Such amount shall be a part of and not in addition to Limits of Insurance shown in the Declarations and described in this Section.

(3) Additional Insureds Other Insurance

If we cover a claim or "suit" under this Coverage Part that may also be covered by other insurance available to an additional insured, such additional insured must submit such claim or "suit" to the other insurer for defense and indemnity.

However, this provision does not apply to the extent that you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance.

(4) Duties in The Event Of Accident, Claim, Suit or Loss

If you have agreed in a written contract or written agreement that another person or organization be added as an additional insured on your policy, the additional insured shall be required to comply with the provisions in LOSS CONDITIONS 2. - DUTIES IN THE EVENT OF ACCIDENT, CLAIM , SUIT OR LOSS – OF SECTION IV – BUSINESS AUTO CONDITIONS, in the same manner as the Named Insured.

**E. Primary and Non-Contributory if Required by Contract**

Only with respect to insurance provided to an additional insured in 1.D. - Additional Insured If Required by Contract, the following provisions apply:

(3) Primary Insurance When Required By Contract

This insurance is primary if you have agreed in a written contract or written agreement that this insurance be primary. If other insurance is also primary, we will share with all that other insurance by the method described in Other Insurance 5.d.

(4) Primary And Non-Contributory To Other Insurance When Required By Contract

If you have agreed in a written contract or written agreement that this insurance is primary and non-contributory with the additional insured's own insurance, this insurance is primary and we will not seek contribution from that other insurance.

Paragraphs **(3)** and **(4)** do not apply to other insurance to which the additional insured has been added as an additional insured.

When this insurance is excess, we will have no duty to defend the insured against any "suit" if any other insurer has a duty to defend the insured against that "suit". If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

When this insurance is excess over other insurance, we will pay only our share of the amount of the loss, if any, that exceeds the sum of:

(1) The total amount that all such other insurance would pay for the loss in the absence of this insurance; and

(2) The total of all deductible and self-insured amounts under all that other insurance.

We will share the remaining loss, if any, by the method described in Other Insurance 5.d.

**2. AUTOS RENTED BY EMPLOYEES**

Any "auto" hired or rented by your "employee" on your behalf and at your direction will be considered an "auto" you hire.

The OTHER INSURANCE Condition is amended by adding the following:

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If an "employee's" personal insurance also applies on an excess basis to a covered "auto" hired or rented by your "employee" on your behalf and at your direction, this insurance will be primary to the "employee's" personal insurance.

3. **AMENDED FELLOW EMPLOYEE EXCLUSION**

EXCLUSION 5. - FELLOW EMPLOYEE - of SECTION II - LIABILITY COVERAGE does not apply if you have workers' compensation insurance in-force covering all of your "employees".

Coverage is excess over any other collectible insurance.

4. **HIRED AUTO PHYSICAL DAMAGE COVERAGE**

If hired "autos" are covered "autos" for Liability Coverage and if Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form for any "auto" you own, then the Physical Damage Coverages provided are extended to "autos" you hire or borrow, subject to the following limit.

The most we will pay for "loss" to any hired "auto" is:

(1) $100,000;

(2) The actual cash value of the damaged or stolen property at the time of the "loss"; or

(3) The cost of repairing or replacing the damaged or stolen property,

whichever is smallest, minus a deductible. The deductible will be equal to the largest deductible applicable to any owned "auto" for that coverage. No deductible applies to "loss" caused by fire or lightning. Hired Auto Physical Damage coverage is excess over any other collectible insurance. Subject to the above limit, deductible and excess provisions, we will provide coverage equal to the broadest coverage applicable to any covered "auto" you own.

We will also cover loss of use of the hired "auto" if it results from an "accident", you are legally liable and the lessor incurs an actual financial loss, subject to a maximum of $1000 per "accident".

This extension of coverage does not apply to any "auto" you hire or borrow from any of your "employees", partners (if you are a partnership), members (if you are a limited liability company), or members of their households.

5. **PHYSICAL DAMAGE - ADDITIONAL TEMPORARY TRANSPORTATION EXPENSE COVERAGE**

Paragraph A.4.a. of SECTION III - PHYSICAL DAMAGE COVERAGE is amended to provide a limit of $50 per day and a maximum limit of $1,000.

6. **LOAN/LEASE GAP COVERAGE**

Under SECTION III - PHYSICAL DAMAGE COVERAGE, in the event of a total "loss" to a covered "auto", we will pay your additional legal obligation for any difference between the actual cash value of the "auto" at the time of the "loss" and the "outstanding balance" of the loan/lease.

"Outstanding balance" means the amount you owe on the loan/lease at the time of "loss" less any amounts representing taxes; overdue payments; penalties, interest or charges resulting from overdue payments; additional mileage charges; excess wear and tear charges; lease termination fees; security deposits not returned by the lessor; costs for extended warranties, credit life insurance, health, accident or disability insurance purchased with the loan or lease; and carry-over balances from previous loans or leases.

7. **AIRBAG COVERAGE**

Under Paragraph B. EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

The exclusion relating to mechanical breakdown does not apply to the accidental discharge of an airbag.

8. **ELECTRONIC EQUIPMENT - BROADENED COVERAGE**

a. The exceptions to Paragraphs B.4 - EXCLUSIONS - of SECTION III - PHYSICAL DAMAGE COVERAGE are replaced by the following:

Exclusions **4.c.** and **4.d.** do not apply to equipment designed to be operated solely by use of the power from the "auto's" electrical system that, at the time of "loss", is:

(1) Permanently installed in or upon the covered "auto";

(2) Removable from a housing unit which is permanently installed in or upon the covered "auto";

(3) An integral part of the same unit housing any electronic equipment described in Paragraphs (1) and (2) above; or


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(4) Necessary for the normal operation of the covered "auto" or the monitoring of the covered "auto's" operating system.

b. Section III – Version CA 00 01 03 10 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C.2 and Version CA 00 01 10 01 of the Business Auto Coverage Form, Physical Damage Coverage, Limit of Insurance, Paragraph C are each amended to add the following:

$1,500 is the most we will pay for "loss" in any one "accident" to all electronic equipment (other than equipment designed solely for the reproduction of sound, and accessories used with such equipment) that reproduces, receives or transmits audio, visual or data signals which, at the time of "loss", is:

(1) Permanently installed in or upon the covered "auto" in a housing, opening or other location that is not normally used by the "auto" manufacturer for the installation of such equipment;

(2) Removable from a permanently installed housing unit as described in Paragraph 2.a. above or is an integral part of that equipment; or

(3) An integral part of such equipment.

c. For each covered "auto", should loss be limited to electronic equipment only, our obligation to pay for, repair, return or replace damaged or stolen electronic equipment will be reduced by the applicable deductible shown in the Declarations, or $250, whichever deductible is less.

**9. EXTRA EXPENSE - BROADENED COVERAGE**

Under Paragraph A. - COVERAGE - of SECTION III - PHYSICAL DAMAGE COVERAGE, we will pay for the expense of returning a stolen covered "auto" to you.

**10. GLASS REPAIR - WAIVER OF DEDUCTIBLE**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

No deductible applies to glass damage if the glass is repaired rather than replaced.

**11. TWO OR MORE DEDUCTIBLES**

Under Paragraph D. - DEDUCTIBLE - of SECTION III - PHYSICAL DAMAGE COVERAGE, the following is added:

If another Hartford Financial Services Group, Inc. company policy or coverage form that is not an automobile policy or coverage form applies to the same "accident", the following applies:

(1) If the deductible under this Business Auto Coverage Form is the smaller (or smallest) deductible, it will be waived;

(2) If the deductible under this Business Auto Coverage Form is not the smaller (or smallest) deductible, it will be reduced by the amount of the smaller (or smallest) deductible.

**12. AMENDED DUTIES IN THE EVENT OF ACCIDENT, CLAIM, SUIT OR LOSS**

The requirement in LOSS CONDITIONS 2.a. - DUTIES IN THE EVENT OF ACCIDENT,CLAIM, SUIT OR LOSS - of SECTION IV - BUSINESS AUTO CONDITIONS that you must notify us of an "accident" applies only when the "accident" is known to:

(1) You, if you are an individual;

(2) A partner, if you are a partnership;

(3) A member, if you are a limited liability company; or

(4) An executive officer or insurance manager, if you are a corporation.

**13. UNINTENTIONAL FAILURE TO DISCLOSE HAZARDS**

If you unintentionally fail to disclose any hazards existing at the inception date of your policy, we will not deny coverage under this Coverage Form because of such failure.

**14. HIRED AUTO - COVERAGE TERRITORY**

Paragraph e. of GENERAL CONDITIONS 7. - POLICY PERIOD, COVERAGE TERRITORY - of SECTION IV - BUSINESS AUTO CONDITIONS is replaced by the following:

e. For short-term hired "autos", the coverage territory with respect to Liability Coverage is anywhere in the world provided that if the "insured's" responsibility to pay damages for "bodily injury" or "property damage" is determined in a "suit," the "suit" is brought in the United States of America, the territories and possessions of the United States of America, Puerto Rico or Canada or in a settlement we agree to.

**15. WAIVER OF SUBROGATION**

TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US - of SECTION IV - BUSINESS AUTO CONDITIONS is amended by adding the following:

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We waive any right of recovery we may have against any person or organization with whom you have a written contract that requires such waiver because of payments we make for damages under this Coverage Form.

**16. RESULTANT MENTAL ANGUISH COVERAGE**

The definition of "bodily injury" in SECTION V-DEFINITIONS is replaced by the following:

"Bodily injury" means bodily injury, sickness or disease sustained by any person, including mental anguish or death resulting from any of these.

**17. EXTENDED CANCELLATION CONDITION**

Paragraph 2. of the COMMON POLICY CONDITIONS - CANCELLATION - applies except as follows:

If we cancel for any reason other than nonpayment of premium, we will mail or deliver to the first Named Insured written notice of cancellation at least 60 days before the effective date of cancellation.

**18. HYBRID, ELECTRIC, OR NATURAL GAS VEHICLE PAYMENT COVERAGE**

In the event of a total loss to a "non-hybrid" auto for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended as follows:

a. If the auto is replaced with a "hybrid" auto or an auto powered solely by electricity or natural gas, we will pay an additional 10%, to a maximum of $2,500, of the "non-hybrid" auto's actual cash value or replacement cost, whichever is less,

b. The auto must be replaced and a copy of a bill of sale or new lease agreement received by us within 60 calendar days of the date of "loss,"

c. Regardless of the number of autos deemed a total loss, the most we will pay under this Hybrid, Electric, or Natural Gas Vehicle Payment Coverage provision for any one "loss" is $10,000.

For the purposes of the coverage provision,

a. A "non-hybrid" auto is defined as an auto that uses only an internal combustion engine to move the auto but does not include autos powered solely by electricity or natural gas.

b. A "hybrid" auto is defined as an auto with an internal combustion engine and one or more electric motors; and that uses the internal combustion engine and one or more electric motors to move the auto, or the internal combustion engine to charge one or more electric motors, which move the auto.

**19. VEHICLE WRAP COVERAGE**

In the event of a total loss to an "auto" for which Comprehensive, Specified Causes of Loss, or Collision coverages are provided under this Coverage Form, then such Physical Damage Coverages are amended to add the following:

In addition to the actual cash value of the "auto", we will pay up to $1,000 for vinyl vehicle wraps which are displayed on the covered "auto" at the time of total loss. Regardless of the number of autos deemed a total loss, the most we will pay under this Vehicle Wrap Coverage provision for any one "loss" is $5,000. For purposes of this coverage provision, signs or other graphics painted or magnetically affixed to the vehicle are not considered vehicle wraps.


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POLICYHOLDER COPY

SC

STATE COMPENSATION INSURANCE FUND

P.O. BOX 8192, PLEASANTON, CA 94588

## CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

**ISSUE DATE: 01-29-2021**

GROUP:
POLICY NUMBER: **9147354-2021**
CERTIFICATE ID: **133**
CERTIFICATE EXPIRES: **01-01-2022**
**01-01-2021/01-01-2022**

**CITY OF REDONDO BEACH**
**PUBLIC WORKS DEPT**
**415 DIAMOND ST**
**REDONDO BEACH CA 90277-2838**

SC

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated.

This policy is not subject to cancellation by the Fund except upon 30 days advance written notice to the employer.

We will also give you 30 days advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policy listed herein. Notwithstanding any requirement, term or condition of any contract or other document with respect to which this certificate of insurance may be issued or to which it may pertain, the insurance afforded by the policy described herein is subject to all the terms, exclusions, and conditions, of such policy.

Authorized Representative

President and CEO

**EMPLOYER'S LIABILITY LIMIT INCLUDING DEFENSE COSTS: $1,000,000 PER OCCURRENCE.**

**ENDORSEMENT #2065 ENTITLED CERTIFICATE HOLDERS' NOTICE EFFECTIVE 01-01-2021 IS ATTACHED TO AND FORMS A PART OF THIS POLICY.**

EMPLOYER

**ELLIS ENVIRONMENTAL MANAGEMENT INC (A CORP)**
**DBA: ELLIS ENVIRONMENTAL MGM INC.**
**430 SILVER SPUR RD STE 201**
**RANCHO PALOS VERDES CA 90275**

[P1D,SG]

**PRINTED : 01-29-2021**

(REV.7-2014)

ENVIRONMENTAL MANAGEMENT INC.

430 Silver Spur Road, Suite 201
Rancho Palos Verdes, CA 90275
Tel: (310) 544 1837
Fax: (310) 544 2167

October 26th, 2021

Andrew S. Winje, P.E.
City Engineer
Engineering Services Division
City of Redondo Beach
415 Diamond Street
Redondo Beach, CA 90277

**RE: On-Call Agreement for Consulting Services**
**November 2021 – November 2023**

Andrew,

Enclosed is our "wet signature" page for the subject agreement. I've also enclosed our insurance certificates for the City.

We look forward to providing continuing services to the City of Redondo Beach, as we have done for many years now.

Thanks again.

Jane Behrens
VP Administration

Encl.

ACORD®

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/14/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| PRODUCER | CONTACT NAME: Amie Taubman |
|---|---|
| Van Oppen & Co. 2, Inc.<br>VOCO 2 Insurance & Risk Control Services<br>P.O. Box 793<br>Teton Village WY 83025 | PHONE (A/C, No, Ext): 800-746-0048 FAX (A/C, No):<br>E-MAIL ADDRESS: service@vanoppenco2.com |
| | INSURER(S) AFFORDING COVERAGE — NAIC # |
| INSURED CRITI-1 | INSURER A : Westchester Surplus Lines — 10172 |
| Critical Path Environmental Services, Inc. dba Bluescape Environmental<br>16870 W Bernardo Dr Ste 400<br>San Diego CA 92127 | INSURER B :<br>INSURER C :<br>INSURER D :<br>INSURER E :<br>INSURER F : |

**COVERAGES** **CERTIFICATE NUMBER:** 114298545 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | Y | Y | G71832363 002 | 10/15/2022 | 10/15/2024 | EACH OCCURRENCE | $1,000,000 |
| | CLAIMS-MADE [X] OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $50,000 |
| | X CPL (Pollution) | | | | | | MED EXP (Any one person) | $5,000 |
| | | | | | | | PERSONAL & ADV INJURY | $1,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER | | | | | | GENERAL AGGREGATE | $2,000,000 |
| | X POLICY ___ PRO-JECT ___ LOC | | | | | | PRODUCTS - COMP/OP AGG | $2,000,000 |
| | OTHER: | | | | | | | $ |
| A | AUTOMOBILE LIABILITY | Y | Y | G71832363 002 | 10/15/2022 | 10/15/2024 | COMBINED SINGLE LIMIT (Ea accident) | $1,000,000 |
| | ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | ___ OWNED AUTOS ONLY ___ SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| | UMBRELLA LIAB ___ OCCUR | | | | | | EACH OCCURRENCE | $ |
| | EXCESS LIAB ___ CLAIMS-MADE | | | | | | AGGREGATE | $ |
| | DED RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | | | | | | PER STATUTE OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? [ ] N / A (Mandatory in NH) | | | | | | E.L. EACH ACCIDENT | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| A | Professional Liability "Claims Made" Subject to G_ Aggregate | | | G71832363 002 | 10/15/2022 | 10/15/2024 | Each Claim<br>Aggregate | 1,000,000<br>2,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

City of Redondo Beach and Jeffer Mangels Butler & Mitchell LLP their employees, contractors, and directors are included as additional insured on the General Liability as per written contract. Coverage is primary and non-contributory and a waiver of subrogation applies per written contract.

OCT 27 2022 PM4:54
RECD CITY CLERKS OFF.

**CERTIFICATE HOLDER**

City of Redondo Beach
Assistant to City Manager
415 Diamond Street
Redondo Beach CA 90277

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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# Administrative Report

H.9., **File #** 25-1422 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ANDREW WINJE, PUBLIC WORKS DIRECTOR

**TITLE**

APPROVE THE PURCHASE OF A 2026 CHEVROLET SILVERADO 1500 VEHICLE FROM OLATHE FORD SALES INC. FOR USE BY THE FIRE DEPARTMENT, FOR A TOTAL COST OF $70,017

**EXECUTIVE SUMMARY**

Recommended is the purchase of a Chevy truck to advance the replacement of Unit #102, a Dodge Charger used by the Fire Department as an administration vehicle. Unit #102 was scheduled for replacement in FY 2026-27 but no longer meets the needs of the Department. The proposed new vehicle would be assigned to the Fire Admin Chief and used as an all-hazard, multi-purpose, 911 response vehicle. In order to cover the cost of the advanced purchase, staff proposes consolidating the savings of three vehicles, unit #102 and two fire prevention units (#129 and #130) that no longer require replacement due to a reorganization of the Department's Fire Inspection program. As part of the Mid-year Internal Service Fund update, the fiscal allocations for the three units will be combined into one account reducing the total number of vehicles assigned to the Department's replacement inventory by two. Competitive pricing for the truck was secured through the City's regular purchasing procedures.

**BACKGROUND**

Every year, the City Council considers a Decision Package to fund vehicle replacement purchases, which sets aside funds to replace City vehicles and equipment that have reached the end of their lifecycles. On occasion, staff recommends advanced replacement of a vehicle or equipment due to irreparable damages, persistent maintenance issues, or changes in operational needs.

At this time, staff recommends the advanced purchase of one Chevrolet Silverado (Unit #102) to replace the current vehicle which was originally scheduled for replacement in FY 2026-27. The proposed vehicle would replace Unit #102, an administration vehicle, with all-hazard, 911 response capabilities intended for use by the Fire Department Admin Chief.

Currently, there is $33,487 set aside for the replacement of Unit #102 in the Vehicle Replacement Fund (VRF). The Fire Department has conducted an analysis of its current fleet and determined that administrative Units #129 and #130 no longer require replacement. Therefore, staff proposes using the funds saved on these units, totaling $104,114, to cover the replacement of Unit #102 while also removing Units #129 and #130 from the Vehicle Replacement Schedule. The proposed savings are listed below, followed by a table showing the Fire Department fleet vehicles currently included in the Vehicle Replacement Schedule:

- Unit #102 Dodge Charger - Current replacement savings in VRF $33,487
- Unit #129 2018 Ford Fusion - Current replacement savings in VRF $33,847
- Unit #130 2018 Ford Fusion - Current replacement savings in VRF $36,780

| VRF Unit # | Model Year | Current Unit | Division | Dept. |
|---|---|---|---|---|
| 100 | 2024 | FORD EXPLORER | ADMIN | F |
| 101 | 2024 | CHEVY 2500 | FIRE PREVENTION | F |
| 102 | 2013 | DODGE CHARGER | FIRE PREVENTION | F |
| 106 | 2013 | FORD F-150 | FIRE PREVENTION | F |
| 129 | 2014 | FORD FUSION HYBRID | FIRE PREVENTION | F |
| 135 | 2018 | DODGE RAM 4500 P/U (361) | OPS-SPEC SRVS | F |
| 136 | 2018 | DODGE RAM 4500 P/U (362) | OPS-SPEC SRVS | F |
| 104 | 2024 | DODGE RAM | OPS-SPEC SRVS | F |
| 107 | 2018 | DODGE RAM 3500 P/U | OPS-SPEC SRVS | F |
| 114 | 2018 | PIERCE LADDER TRUCK (T61) | OPS-SPEC SRVS | F |
| 116 | 2024 | SEAGRAVE (E62) | OPS-SPEC SRVS | F |
| 121 | 2024 | SEAGRAVE (E64) | OPS-SPEC SRVS | F |
| 124 | 2018 | PIERCE ARROW XT PUMPER (E61) | OPS-SPEC SRVS | F |
| 137 | 2024 | DODGE RAM 3500 4WD (363) | HARBOR PATROL | F |
| 801 | 2004 | CRYSTALINE - PRIMARY | HARBOR PATROL | F |
| 808 | 1974 | SEAWAY | HARBOR PATROL | F |
| 130 | 2013 | FORD FUSION HYBRID | FIRE PREVENTION | F |

Specific funding was not appropriated for the purchase of Unit #102 in the FY 2025-26 Adopted Budget. Funds appropriated for other planned FY 2025-26 vehicle purchases that have not yet been procured (see table below) will be used to cover the purchase costs. At Mid-year, staff will make adjustments to the Vehicle Replacement Fund ($104,114 associated with Units #102, #129 and #130 and an additional $897 for a total of $105,011, which represents the total cost to purchase the truck and upfit the vehicle) and appropriate the necessary funding for this purchase into the Public Works Department, Fleet Division, Vehicle Replacement Operating Budget. The table below shows the procurement status of units approved for purchase in the FY 2025-26 Approved Budget.

| Vehicle Replacement Fund - Decision Package | | | | | | |
|---|---|---|---|---|---|---|
| Unit | Year | Description | Assigned | Dept | Total Funding Pe Unit | Status |
| 340 | 2004 | BOBCAT ROLLER | STREETS | PW | $ 61,093 | Ordered |
| 861 | 2017 | TAYLOR-DUNN ELECT CA | PLANDS MAINT | PW | $ 17,890 | Delivered |
| 862 | 2017 | TAYLOR-DUNN ELECT CA | PLANDS MAINT | PW | $ 17,992 | Delivered |
| 863 | 2017 | TAYLOR-DUNN ELECT CA | PLANDS MAINT | PW | $ 17,890 | Delivered |
| 864 | 2017 | TAYLOR-DUNN ELECT CA | PLANDS MAINT | PW | $ 17,890 | Delivered |
| 899 | 2017 | TAYLOR-DUNN ELECT CA | PLANDS MAINT | PW | $ 17,890 | Delivered |
| 364 | 2003 | CAT RC60 FORKLIFT | FLEET SERVICES | PW | $ 81,633 | Ordered |
| 20 | 2013 | FORD TRANSIT CONNECT | BUILDING | PW | $ 35,505 | |
| 103 | 2009 | FORD F-250 PICKUP-EQ | FLEET | PW | $ 38,367 | |
| Units Previously Approved by Council - Funding re-appropriati | | | | | | |
| 333 | 2006 | CHEVROLET CC7500 CNG | STREETS | PW | $ 203,938 | |
| 350 | 2006 | GMC TC 7500 CNG KNUCI | STREETS | PW | $ 295,990 | |
| 200 | 2006 | GMC TC 7500 INSULATED | STREETS | PW | $ 287,546 | |
| G-1 | 1999 | CATEPILLAR 3306 GENER | SEWER | PW | $ 159,632 | |
| G-3 | 2000 | MQ POWER DCA-25SSIU | SEWER | PW | $ 78,560 | |
| | | | | | $ 1,331,814 | |
| | | | | | | |
| 207 | | PIER SCRUBBER | | | $ 15,660 | Delivered |
| | | | | | $ 1,347,474 | |

If approved by the City Council, the vehicle will be ordered with delivery expected in the next one-to-two months. In order to upfit the unit for the enhanced operational use, the Fire Department proposes using 911 Vehicle for upfitting at a cost of $34,994. The Fire Department received three informal bids from qualified vendors for the upfit and 911 Vehicle was the lowest bid. The procurement for the upfit will follow normal processes, when the truck has been delivered, using the City's regular purchasing procedures. Upfit at 911 Vehicle is anticipated to take an additional two-to-three months.

Competitive pricing for the unit was secured through the City's regular purchasing procedures. The procedures contain a number of competitive purchasing options including the use of a "Piggyback Bid," which enables the City to procure goods or services by utilizing another public entity's recent Request for Proposal or Bid, or cooperative purchasing programs. Cooperative purchasing programs provide valuable benefits to state and local governments. By attaching to national or regional cooperatives, the City has immediate access to legitimately solicited contracts that guarantee pricing and delivery options without expending staff resources on the preparation of its own competitive proposal. Pricing is often better than what the City could obtain independently due to the increased purchasing power of these cooperatives. If approved, the recommended vehicle would be acquired via Sourcewell Cooperative Purchasing Program Master Vehicle Contract #032824.

## COORDINATION

The Public Works Department coordinated this report with the Financial Services and Fire Department.

## FISCAL IMPACT

The cost of the new truck is $70,017. The cost of vehicle upfitting is $34,994. Funding for the advanced vehicle purchase is available in the Public Works Department, Fleet Division Vehicle

Replacement Operating Budget. At Mid-year, staff will make adjustments to the Vehicle Replacement Fund (using the $104,114 of savings associated with Units #102, #129 and #130 and an additional $897 from Fund Balance) to account for the $105,011 total cost of the truck purchase and upfitting.

**APPROVED BY:**
*Mike Witzansky, City Manager*

**ATTACHMENTS**

- Quote - Unit #102 Chevrolet Silverado from Olathe Ford Sales Inc.

OLATHE FLEET

# Purchase Order / Quote

OLATHE FORD
SANDRA GONZALEZ
GOVERNMENT FLEET SOLUTIONS TEAM
DIRECT - 505-850-5504

| | |
|---|---|
| Date | 10/13/25 |
| Valid Until | 11/13/25 |
| Contract | SOURCEWELL - 032824 - OLA |
| PO | |
| Lead Time | IN STOCK |

| Customer: | Invoice Address: | Delivery Address: |
|---|---|---|
| REDONDO BEACH | Same | |

| Description | Line Total |
|---|---|
| 2026 SILVERADO 1500 CREW RST<br>4WD<br>EXTERIOR: SUMMIT WHITE<br>INTERIOR: JET BLACK<br>ENGINE: 5.3L ECOTEC3 V8<br>TRANSMISSION, 10-SPEED AUTO | $53,885.00 |
| CREW CAB SHORT BED 4WD<br>OWNER BENEFITS<br>• 3 YEAR / 36,000 MILE*<br>BUMPER-TO-BUMPER<br>LIMITED WARRANTY<br>• 5 YEAR / 60,000 MILE*<br>POWERTRAIN LIMITED WARRANTY,<br>ROADSIDE ASSISTANCE &<br>COURTESY TRANSPORTATION<br>• FIRST MAINTENANCE VISIT<br>• WHICHEVER COMES FIRST<br>•SEE CHEVROLET.COM OR DEALER<br>FOR TERMS, DETAILS & LIMITS<br>SAFETY & SECURITY<br>• CHEVY SAFETY ASSIST<br>*AUTOMATIC EMERGENCY BRAKING<br>*FORWARD COLLISION ALERT<br>*FRONT PEDESTRIAN BRAKING<br>*LANE KEEP ASSIST W/LANE<br><br>DEPARTURE WARNING<br>*FOLLOWING DISTANCE INDICATOR<br>*INTELLIBEAM-AUTO HIGH BEAM<br>• TEEN DRIVER MODE<br>• TIRE PRESSURE MONITORING<br>WITH TIRE FILL ALERT<br>PERFORMANCE & MECHANICAL<br>• AUTO LOCKING REAR DIFF<br>• 170 AMP ALTERNATOR<br>• STABILITRAK W/ TRAILER SWAY<br>CONTROL & HILL START ASSIST<br>• TRAILERING PACKAGE WITH<br>HITCH GUIDANCE<br>• BRAKE PAD WEAR INDICATOR<br>CONNECTIVITY & TECHNOLOGY<br>CHEVROLET INFOTAINMENT 3<br>PREMIUM WITH GOOGLE BUILT-IN<br>13.4" DIAG HD COLOR TOUCHSCREEN<br>INCL AM/FM BLUETOOTH FOR MUSIC<br>& MOST PHONES W/ WIRELESS<br>ANDROID AUTO & APPLE CARPLAY<br>FOR COMPATIBLE PHONES<br><br>12.3" DIAG DIGITAL DRIVER<br>INFORMATION CENTER<br>• 8 YEARS ONSTAR BASICS<br>SEE ONSTAR.COM FOR TERMS<br>• SIRIUSXM RADIO CAPABLE,<br>TRIAL INCLUDED WITH<br>SUBSCRIPTION SOLD SEPARATELY<br>• 120V POWER OUTLET<br>IN CARGO BED & INSTRUMENT PANEL<br>• USB PORTS<br>• KEYLESS OPEN, LOCK, & START<br>• REMOTE START<br>• REAR SEAT REMINDER<br>INTERIOR<br>• DUAL ZONE CLIMATE CONTROL<br>• POWER WINDOWS<br>• 10-WAY POWER DRIVER SEAT<br>• HEATED & WRAPPED STEERING<br>WHEEL WITH AUDIO CONTROLS<br>• CARPETED FLOOR<br>EXTERIOR<br>• BODY-COLOR STYLING THEME<br><br>• CORNERSTEP REAR BUMPER<br>• LED CARGO AREA LIGHTING<br>• EZ LIFT, POWER LOCK,<br>& RELEASE TAILGATE<br>• POWER ADJUSTABLE HEATED<br>MIRRORS<br>• LED FOG LAMPS<br>• REAR-WINDOW DEFOGGER<br>• FRONT RECOVERY HOOKS<br>Z71 OFF-ROAD PACKAGE AND 1,730.00<br>PROTECTION PACKAGE<br>• TWIN TUBE SHOCKS<br>• HILL DESCENT CONTROL<br>• SKID PLATES<br>• HEAVY-DUTY AIR FILTER<br>REAR WHEELHOUSE LINERS<br>• CHEVYTEC SPRAY-ON BEDLINER<br>• Z71 ALL-WEATHER FLOOR LINERS<br>(DEALER INSTALLED)<br>• Z71 BADGING<br>• TWO-SPEED TRANSFER CASE<br>• DUAL EXHAUST<br>ENGINE: 5.3L ECOTEC3 V8 1,595.00<br>WITH DYNAMIC FUEL MANAGEMENT | |
| 20" HIGH GLOSS BLACK PAINTED 1,100.00<br>ALUMINUM WHEELS<br>CONVENIENCE PACKAGE II 1,065.00<br>• UNIVERSAL HOME REMOTE<br>• REAR SLIDING POWER WINDOW<br>• HITCH GUIDANCE W/ HITCH VIEW<br>• TRAILERING APP<br>• BOSE PREMIUM SOUND SYSTEM<br>SAFETY PACKAGE 1,065.00<br>• HD SURROUND VISION<br>• TRAILER CAMERA PROVISIONS<br>• TRAILER SIDE BLIND ZONE ALERT<br>• REAR CROSS TRAFFIC BRAKING<br>• REAR PEDESTRIAN ALERT<br>• FRONT AND REAR PARK ASSIST<br>• PERIMETER LIGHTING<br>ASSIST STEPS (DEALER INSTALLED) 850.00<br>FRONT BUCKET SEATS WITH CENTER 655.00<br>CONSOLE<br>ALL-TERRAIN TIRES 400.00<br>GVWR: 7,100 LBS. (3,221 KG) INC.<br>REAR AXLE: 3.23 RATIO INC.<br>CONVENIENCE PACKAGE INC. | MSRP = $65,155 - 4.31% OFF<br><br>FACTORY SELECTED OPTIONS $8,458.00 |

| | | |
|---|---|---|
| | Subtotal | $62,343.00 |
| Sales Tax | 9.75% | $6,078.44 |
| | Tire Tax | $0.00 |
| | Extended Warranty and Maintenance Plan | $0.00 |
| | Flooring | $0.00 |
| | Delivery | $1,200.00 |
| | Docs & Registration | $395.00 |
| | Total Per Unit less Trade-In | $70,016.44 |
| | Quantity of Units | 1 |
| | **Sale Total** | **$70,016.44** |

**Special Notes and Instructions**

Above information is not an invoice and only an estimate of services/goods described above. Quote subject to change.

Please confirm your acceptance of this quote by signing this document, and returning your PO.

Signature _____

Print Name _____

Date _____

If you have any questions concerning this quote, contact Sandra Gonzalez

**Thank you for your business!**

# Administrative Report

H.10., **File #** 25-1468 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

## TITLE

ADOPT BY TITLE ONLY RESOLUTION NO. CC-2511-082 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE FY 2025/26 SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE-25) GRANT AGREEMENT, GRANT NUMBER C25S0607 FROM THE DEPARTMENT OF PARKS AND RECREATION, DIVISION OF BOATING AND WATERWAYS, AND AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE THE AGREEMENT AND ANY RELATED DOCUMENTS

ADOPT BY 4/5THS VOTE AND BY TITLE ONLY RESOLUTION NO. CC-2511-083 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AUTHORIZING A 2025-2026 FISCAL YEAR BUDGET MODIFICATION APPROPRIATING $50,000 IN GRANT FUNDS FROM THE CALIFORNIA DEPARTMENT OF PARKS AND RECREATION DIVISION OF BOATING AND WATERWAYS, GRANT NUMBER C25S0607 TO THE CITY'S WATERFRONT & ECONOMIC DEVELOPMENT DEPARTMENT BUDGET FOR THE DISPOSAL OF ABANDONED OR SURRENDERED VESSELS IN KING HARBOR

## EXECUTIVE SUMMARY

The State of California Department of Parks and Recreation, Division of Boating and Waterways (DBW) provides a Surrendered and Abandoned Vessel Exchange (SAVE) grant program for local public agencies with jurisdiction over navigable waterways to fund the removal and prevention of abandoned recreational vessels in California waterways. Staff previously applied for the SAVE grant program in 2023 and was awarded $32,500 in SAVE-23 grant funds. This funding allowed the City to remove nine (9) abandoned or surrendered vessels from Basin III. Staff reapplied for the grant funding in 2025 and received a $50,000 SAVE-25 grant award, which will fund the removal of additional surrendered and abandoned vessels from King Harbor.

## BACKGROUND

DBW has managed the SAVE grant program since 1998 as a way to remove, reduce, and prevent abandoned recreational vessels in California waterways. DBW offers the SAVE program as a way to assist local public agencies with jurisdiction over navigable waterways in California with funding to support the removal and disposal of: (1) abandoned vessels within the Grantee's jurisdiction; and (2) recreational vessels that the verified titleholder has willingly surrendered and the vessel is in danger of being abandoned, which would cause environmental degradation or result in the vessel becoming a hazard to navigation of a California waterway.

In 2023, the City applied for a grant from the SAVE-23 award cycle to assist with removing abandoned and surrendered vessels from within Basin III, and the City was awarded $32,500. Staff worked with the Redondo Beach Marina and Harbor Patrol to identify vessels that should be prioritized for removal using the grant funding. From the SAVE-23 grant, the City was able to remove and dispose of 9 vessels (2 abandoned vessels and 7 surrendered vessels) from Basin III.

In April 2025, City staff applied for the SAVE-25 grant award cycle and, in September 2025, received a $50,000 SAVE-25 grant award from DBW. Approval of the Grant Agreement would authorize City staff to administer the grant, which would include Staff coordinating with the Harbor Patrol and marina managers in King Harbor to identify the vessels that should be prioritized for removal. The marina managers would prepare the necessary documents and organize the removal of the vessels, while staff would submit invoices and supplemental reporting to DBW. Staff collaborated with the marinas managers on the application and have determined that there is significant demand for continued funding to support the removal of unwanted vessels in King Harbor.

At this time, staff is requesting City Council adopt a resolution to accept the DBW's SAVE-25 Grant Agreement and authorize the City Manager, or designee, to administer the Agreement, and adopt, by 4/5ths vote, a FY 2025-26 budget modification resolution to allocate $50,000 in grant funding to assist the City in removing abandoned and surrendered vessels in King Harbor.

## COORDINATION

The Grant Agreement and Resolutions have been reviewed and approved as to form by the City Attorney's Office. The Waterfront and Economic Development Department Coordinated with the Harbor Patrol and Redondo Beach Marina managers to secure the grant funding.

## FISCAL IMPACT

A total of $50,000 in grant funding from the DBW's SAVE-25 Grant Program will be added to the City's FY 2025-26 Budget to assist with the removal of abandoned/surrendered vessels in King Harbor.

**APPROVED BY:**
*Mike Witzansky, City Manager*

## ATTACHMENTS

- Reso - No. CC-2511-082 Approving the SAVE-25 Grant Agreement and Authorizing the City Manager or Designee to Administer the Agreement
- Reso - No. CC-2511-083 Budget Modification Allocating DBW's SAVE-25 Grant 2025-2026

**RESOLUTION NO. CC-2511-082**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE FY 2025/26 SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE-25) GRANT AGREEMENT, GRANT NUMBER C25S0607 FROM THE DEPARTMENT OF PARKS AND RECREATION, DIVISION OF BOATING AND WATERWAYS, AND AUTHORIZING THE CITY MANAGER OR DESIGNEE TO EXECUTE THE AGREEMENT AND ANY RELATED DOCUMENTS**

WHEREAS, the City of Redondo Beach ("City") was awarded $50,000 in grant funding from the Department of Parks and Recreation, Division of Boating and Waterways ("DBW") under the FY 2025/26 Surrendered and Abandoned Vessel Exchange (SAVE-25) Grant Agreement, Grant Number C25S0607 (collectively "the Agreement");

WHEREAS, the grant funds will be made available to the City for the period of November 2025 to September 2027, to reimburse for costs associated with the disposal of surrendered and abandoned vessels in King Harbor;

WHEREAS, the City has approved the receipt of past grant funding for similar programs;

WHEREAS, the City shall use the grant monies to support the disposal of abandoned or surrendered vessels as approved by the Agreement;

WHEREAS, the DBW requires that the City approve the Agreement, and authorize an official or officer to execute the Agreement and any related documents; and

WHEREAS, the City desires to authorize the City Manager or designee to execute the Agreement on behalf of the City.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. That the City Council of the City of Redondo Beach approves the FY 2025/26 Surrendered and Abandoned Vessel Exchange (SAVE-25) Grant Agreement, Grant Number C25S0607, attached hereto as Exhibit A, and any related documents from the Department of Parks and Recreation, Division of Boating and Waterways.

SECTION 2. That the City Council hereby authorizes the City Manager or designee to execute the FY 2025/26 Surrendered and Abandoned Vessel Exchange (SAVE-25) Grant Agreement, Grant Number C25S0607, and any related documents from the Department of Parks and Recreation, Division of Boating and Waterways on behalf of the City of Redondo Beach.

SECTION 3. That the City Clerk shall certify to the passage and adoption of this resolution and shall enter the same in the Book of Original Resolutions.

PASSED, APPROVED AND ADOPTED this 4th day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

ATTEST:

_____
Eleanor Manzano, CMC, City Clerk

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) ss
CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Redondo Beach, California, do hereby certify that Resolution No. CC-2511-082 was passed and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4th day of November, 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Eleanor Manzano, CMC
City Clerk

## EXHIBIT A

## DEPARTMENT OF PARKS AND RECREATION DIVISION OF BOATING AND WATERWAYS GRANT AGREEMENT – SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE-25)

See the attached agreement.

State of California – Natural Resources Agency

DEPARTMENT OF PARKS AND RECREATION

DIVISION OF BOATING AND WATERWAYS

**GRANT AGREEMENT - CERTIFICATE OF FUNDING**

**GRANTEE:** City of Redondo Beach

**GRANT TITLE:** SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE-25)

**GRANT AMOUNT:** $50,000.00

**GRANT NUMBER:** C25S0607

**GRANT TERM:** _____ through September 30, 2027

The Grantee agrees to the terms and conditions of this agreement, hereinafter referred to as Agreement, and the State of California, acting through its Director of the Department of Parks and Recreation, and pursuant to the State of California agrees to fund the total State grant amount indicated below and in Exhibit F which is a part of the agreement consisting of: Exhibit A “Project Representatives”, Exhibit B “Grant Terms and Conditions”, Exhibit C “General Terms and Conditions”, Exhibit D “Grantee Certification Clauses”, Exhibit E “Darfur Contracting Act”, Exhibit F “Application/Scope of Work”.

| | |
|---|---|
| Grantee: City of Redondo Beach | Agency: Department of Parks and Recreation<br>Division of Boating and Waterways |
| | ATTN: Gina Disney |
| Address: 415 Diamond St<br>Redondo Beach, CA 90277 | Address: 4940 Lang Ave., Dock H,<br>Administration, Floor 12<br>McClellan, CA 95652 |
| Authorized Signature: | Authorized Signature: |
| Printed Name: | Printed Name: Keren Dill |
| Title of Authorized Representative: | Title: Staff Services Manager II |
| Date: | Date: |

**CERTIFICATE OF FUNDING**

**(FOR STATE USE ONLY)**

**GRANTEE:** City of Redondo Beach

**GRANT TITLE:** FY 2025/26 Surrendered and Abandoned Vessel Exchange (SAVE)

**GRANT AMOUNT:** $50,000.00

**GRANT NUMBER:** C25S0607

**END DATE:** September 30, 2027

| | | | | | |
|---|---|---|---|---|---|
| AGREEMENT NO<br>C25S0607 | AMENDMENT NO | SUPPLIER ID<br>0000004711 | | | PROJECT NO<br>3790OTHER |
| AMOUNT ENCUMBERED BY THIS DOCUMENT<br>$50,000.00 | FUND DESCRIPTION<br>Surrendered and Abandoned Vessel Exchange (SAVE-25) | | | AGENCY BILLING CODE NO<br>053709 | |
| REPORTING STRUCTURE<br>37900709 | Approp. Ref. Fund<br>3790-101-0577 | CHAPTER<br>04 | STATUTE<br>2025 | | FISCAL YEAR<br>2025/26 |
| BUSINESS UNIT<br>3790 | PROGRAM<br>2855023 | ACTIVITY CODE<br>69996 | | ACCOUNT<br>5432000 | ALT ACCOUNT<br>5432000000 |

**STATE OF CALIFORNIA**

Department of Parks and Recreation, Division of Boating and Waterways
P.O. Box 942896, Floor 12
Sacramento CA 94296

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**SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE)**

**FISCAL YEAR 2025/26**

**EXHIBIT A - PROJECT REPRESENTATIVES**

The services shall be performed in the jurisdiction of: City of Redondo Beach

| | |
|---|---|
| State Agency:<br>Division of Boating and Waterways | Grantee (Agency Name):<br>City of Redondo Beach |
| Name: Gina Disney | Grantee Representative*: Katherine Buck |
| Title: Grants Program Manager | Title: Manager |
| Address:<br>4940 Lang Ave., Dock H, Administration, Floor 12<br>McClellan, CA 95652 | Mailing Address:<br>415 Diamond St.<br>Redondo Beach, CA 90277 |
| | Remit to Address: |
| Phone: (916) 902-8821 | Phone: (310) 697-3043 |
| Fax: | Fax: |
| Email: gina.disney@parks.ca.gov | Email: katherine.buck@redondo.org |

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**EXHIBIT B - GRANT TERMS AND CONDITIONS**

**SURRENDERED AND ABANDONED VESSEL EXCHANGE (SAVE) GRANT PROGRAM**

**1. PURPOSE OF THE PROGRAM:**

a. Pursuant to its authority under Harbors and Navigation Code (HNC) section 525(1)(a), the Division of Boating and Waterways (DBW) wishes to contract with Grantee for the removal and disposal of:

(1) Abandoned property as described in HNC 522 (below) within Grantee's jurisdiction as listed in Exhibit A.

**HNC Section 522:** "Any hulk, derelict, wreck, or parts of any ship, vessel, or other watercraft sunk, beached, or allowed to remain in an unseaworthy or dilapidated condition upon publicly owned submerged lands, salt marsh, or tidelands within the corporate limits of any municipal corporation or other public corporation or entity having jurisdiction or control over those lands, without its consent expressed by resolution of its legislative body, for a period longer than 30 days without a watchman or other person being maintained upon or near and in charge of the property, is abandoned property."

(2) Surrendered vessels as defined in HNC 526.1

**HNC Section 526.1:** "surrendered vessel" means a recreational vessel that the verified titleholder has willingly surrendered to a willing public agency under both of the following conditions:

(a) The public agency has determined, in its sole discretion, that the vessel is in danger of being abandoned, and therefore has a likelihood of causing environmental degradation or becoming a hazard to navigation.

(b) The decision to accept a vessel is based solely on the potential of the vessel to likely be abandoned and cause environmental degradation or become a hazard to navigation."

(3) Wrecked or dismantled vessels, or parts thereof, or any other partially submerged object that pose a substantial hazard to navigation, from navigable waterways or adjacent public property, or private property with the landowner's consent.

b. The funds provided under this Agreement **shall not** be utilized for surrender, abatement, removal, storage, or disposal of commercial vessels. Commercial vessels include those vessels for which the most recent registration or documentation was commercial, even though that registration or documentation may have lapsed.

c. If Grantee is reimbursed for the costs related to the surrender, abatement, removal, storage, and/or disposal of an eligible water hazard by the registered or legal owner or other person or entity known to have an interest in the water hazard, then the water hazard shall no longer be eligible for funding under this Agreement. Grantee shall notify DBW in writing of such reimbursement and shall return all funds disbursed by DBW to Grantee with respect to such water hazard immediately.

d. Vessels listed in Exhibit F Application/Scope of Work are considered solely a demonstration of the agency's need for funding, not an approval that the individual

vessels are eligible for SAVE funding.

**2. RIGHT OF INSPECTION**

Grantee shall allow DBW and other state agency representatives, at any reasonable time, to inspect any site where Grantee or its subcontractors are performing work under this Agreement.

**3. ANNUAL MEETING**

Grantee's representative or alternate shall participate in an annual grant management and regional coordination one-day video or phone conference conducted by DBW during the term of this agreement.

**4. TIMELINESS**

Grantee agrees to complete the scope of work submitted in its application in a timely fashion.

**5. HAZARDOUS MATERIALS**

Grantee shall be responsible for securing any necessary or prudent studies, permits, or authorizations associated with treatment, removal, storage, or any other handling of hazardous substances including, but not limited to, toxic waste, petroleum waste, asbestos, and similar substances, prior to the removal of any vessel and water hazard pursuant to this Agreement.

Grantee shall be responsible for the proper and lawful handling, abatement, removal, storage, and/or disposal of any hazardous substances encountered in the execution of this Agreement.

**6. TITLES AND LIENS**

a. **Abandoned vessels**: Grantee shall comply with all relevant provisions of the Harbors and Navigation Code regarding notices, hearings and liens in the performance of this Agreement. Grantee (in conjunction with local law enforcement) shall conduct a title search for all vessels presumed to be abandoned, as provided by Harbors and Navigation Code section 526.

b. **Surrendered vessels**: Grantee shall comply with all relevant provisions of Harbors and Navigation Code section 526.1 in the performance of this Agreement, requiring that a surrendered vessel be that of the "verified titleholder."

c. Grantee shall comply with all Department of Motor Vehicles notification requirements related to the disposal of vessels and trailers.

**7. GRANTEE CITATIONS - ABANDONED VESSELS**

Grantee shall, in accordance with HNC 525(a–c), issue the last registered vessel owner a citation for abandoning a vessel and impose a fine of not less than $1,000 nor more than $3,000 for violation of this section. And shall seek every legally available method to have them pay for the removal and disposal of their abandoned vessel.

**8. MEDIA**

Grantee agrees to acknowledge DBW's financial support whenever work funded by this Agreement is publicized in any news media, brochures, or other type of promotional material.

## 9. MEDIA MATERIALS RELEASE

Grantee agrees to irrevocably grant to California State Parks, Division of Boating and Waterways, its employees, officers, agents, and assigns (hereinafter referred to as "DBW"), the non-exclusive, royalty-free, perpetual and worldwide right and permission to use, reproduce, publish, copy, distribute, alter, license, adapt, and display the photographs, motion pictures, caption information, and/or written quotes (hereinafter referred to collectively as "Photographs"), that the Grantee has submitted to DBW for art, editorial, advertising, marketing, trade, broadcast, print, educational programs, or any other lawful purpose whatsoever, in any and all media. In connection with the foregoing license, the Grantee agrees not to use, reproduce, adapt, or display the Photographs, or allow others to do so, in a manner that tends to subject DBW or its Abandoned Watercraft Abatement Fund Grants (AWAF), Vessel Turn In Program (VTIP) and/or Surrendered and Abandoned Vessel Exchange (SAVE) programs to ridicule, disparagement, mockery, satire, or that could tarnish the image of the DBW's AWAF, VTIP, and/or SAVE programs. Grantee hereby releases and discharges DBW from any and all claims and demands arising out of or in connection with the use of the Photographs, including without limitations, any and all claims for libel, defamation, invasion of privacy, and/or publicity rights. DBW assumes no responsibility for lost or damaged Photographs or for the use of same. DBW may sell, assign, license, or transfer all rights granted to it hereunder.

Grantee also grants DBW and its licensees the unrestricted right to use and disclose its name in connection with use of the Photographs. The Grantee understands that it will not be paid for any use or right granted herein.

Grantee understands and agrees that the Photographs may be used in whole or in part, at any time. The license granted herein to DBW includes the right and permission to conduct or have conducted such alterations to the Photographs as DBW deems necessary. Grantee releases and discharges DBW and agrees to indemnify and hold DBW harmless from any liability by virtue of any blurring, distortion, alteration, optical illusion or use in composite form, loss or damage, whether intentional or otherwise, that may occur in the use of the Photographs. Grantee waives any right to inspect or approve any finished product, advertising or other copy that may be used in connection therewith or the use to which it may be applied.

Grantee declares and avows that the Photographs it is submitting to DBW are its own original work in all respects. Grantee is the sole and exclusive owner of the Photographs; they are free, clear, and unencumbered. No part of them is taken from or based on any other work; no part infringes the copyright or any other right of any person; and the reproduction, publication, exhibition, or any other use by DBW of the Photographs in any form whatever will not in any way, directly or indirectly, infringe on the rights of any person. Grantee agrees to indemnify and hold DBW harmless from and against any and all loss, damage, costs, charges, legal fees, recoveries, judgments, amounts paid in settlement, penalties, and expenses that may be obtained against, imposed on, or suffered by DBW by reason of (1) any violation or infringement of any proprietary right or copyright; or (2) any libelous or unlawful matter contained in the Photographs. Grantee also agrees to indemnify and hold DBW harmless for any such amounts arising from its breach of any covenant, representation, or warranty of this agreement.

## 10. PERMITS AND DOCUMENTATION

Prior to the removal of any abandoned vessel, eligible water hazard, or surrendered vessel,

Grantee shall obtain all necessary permits, authorizations, and documentation necessitated by any applicable provision of law.

**11. SECURING OF BIDS**

Grantee shall comply with any applicable laws and regulations governing the competitive bidding process when awarding subcontracts under this Agreement. Grantee, upon request, must make available to DBW procurement documents such as requests for proposal, invitations for bid and independent cost estimates.

**12. CONTRACTS WITH SERVICE PROVIDERS**

All contracts/executed agreements with service providers for which grantee will request reimbursement must be in writing and shall be executed (signed) prior to commencement of any and all work completed. Upon request, grantee shall provide DBW copies of all executed agreements with service providers who are performing work funded by this SAVE grant.

**13. SUBCONTRACTORS**

Grantee agrees that it shall guarantee and shall be responsible for ensuring that any and all of its contractors and subcontractors hold a valid business license and carry general commercial liability insurance coverage sufficient to fully insure against any and all risks of hazardous activities associated with the work to be performed under this Agreement; and Grantee agrees that if any of Grantee's contractors or subcontractors fail to fulfill any of these requirements, that Grantee itself carries general commercial liability insurance coverage sufficient to fully insure against any and all risks of hazardous activities associated with the work to be performed under this Agreement, whether performed by the Grantee, Grantee's contractor(s), or Grantee's subcontractor(s). Upon request, grantee shall provide DBW with a certificate of insurance from any contractor(s) and subcontractor(s). Grantee's agreement number (C22SXXXX) must appear on the certificate of insurance.

**14. TRAFFIC CONTROL AND TRAFFIC SAFETY**

Grantee shall provide for adequate traffic control and safety measures at any site where Grantee and its subcontractors will perform any work under this Agreement.

**15. AIR OR WATER POLLUTION VIOLATION**

Grantee warrants that it is not (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to any cease and desist order not subject to review issued pursuant to Water Code section 13301 for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

**16. ENTIRE AGREEMENT**

This Agreement consists of the terms of this Agreement and all attachments, which are expressly incorporated herein. No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required.

**17. APPROVAL OF AGREEMENT AND AMENDMENTS**

This Agreement and any variation thereto is of no force or effect until signed by both parties and approved by the Department of General Services, if required. Commencement of performance prior to approval of this Agreement will be at the Grantee's own risk.

**18. DISABLED VETERAN BUSINESS ENTERPRISE (DVBE) PARTICIPATION REQUIREMENT**

There are no Disabled Veteran Business Enterprise participation requirements with this

agreement.

**19. AUTHORITY TO CONTRACT**

Grantee must provide DBW with evidence of its authority to enter into this Agreement. Grantee may provide a delegation of contracting authority from its local governing body that by law has authority to contract. Alternatively, Grantee shall provide DBW with a resolution, order, motion, or ordinance of its local governing body that by law has authority to contract, authorizing execution of this Agreement.

**20. COMPLIANCE WITH LAW AND REGULATIONS**

Grantee and its subcontractor(s) shall comply with all applicable laws and regulations of the State of California for all work to be performed under this Agreement. By signing this Agreement, Grantee certifies its compliance and the compliance of all subcontractors with: (a) applicable provisions of the California Environmental Quality Act; (b) Nondiscrimination Program requirements of Government Code section 12990 (a-f) and Title 2, California Code of Regulations, section 8103 (and section 8113 in contracts over $5,000) along with section 7285 et. seq. of the Fair Employment and Housing Act; (c) Drug-Free Workplace requirement of Government Code section 8350 et seq.; (d) National Labor Relations Board Certification of Public Contract Code section 10296; (e) Workers' Compensation requirement of Labor Code section 3700; and (f) Americans with Disabilities Act regulations issued pursuant to 42 U.S.C. section 12101 et seq.

**21. INDEPENDENT CONTRACTOR**

Grantee and its employees are independent contractors and shall not be considered officers or employees of DBW or agents of the State of California.

**22. INSURANCE REQUIREMENTS**

The abatement, removal, storage, and /or disposal of vessels under this Agreement is a hazardous activity. Grantee therefore must maintain commercial general liability insurance in an amount and of a type acceptable to DBW and to the Department of General Services/ Office of Risk and Insurance Management (ORIM).

**a. GENERAL PROVISIONS APPLYING TO ALL POLICIES**

(1) Coverage Term

Coverage needs to be in force for the complete term of the Agreement. Any new insurance must still comply with the original terms of the grant and be provided to DBW upon request.

(2) Policy cancellation or termination & notice of non-renewal

Insurance policies shall contain a provision stating coverage will not be cancelled without 30 days prior written notice to the DBW. In the event Grantee fails to keep in effect at all times the specified insurance coverage, the DBW may, in addition to any other remedies it may have, terminate this Agreement upon the occurrence of such event, subject to the provisions of this Agreement.

(3) Deductible

Grantee is responsible for any deductible or self-insured retention contained within their insurance program.

(4) Primary clause

Any required insurance contained in this Agreement shall be primary, and not excess or contributory, to any other insurance carried by the State.

(5) Insurance carrier required rating

All insurance companies must carry a rating acceptable to ORIM. If the Grantee is self-insured for a portion or all of its insurance, review of financial information including a letter of credit may be required by DBW or ORIM.

(6) Endorsements

Any required endorsements requested by the DBW must be physically attached to all requested certificates of insurance and not substituted by referring to such coverage on the certificate of insurance.

(7) Inadequate Insurance

Inadequate or lack of insurance does not negate the Grantee's obligations under the Agreement.

(8) Use of Subcontractors

In the case of Grantee's utilization of subcontractors to complete the contracted scope of work, Grantee shall include all subcontractors as insured's under Grantee's insurance or supply evidence of subcontractor's insurance to the State when requested equal to policies, coverages, and limits required of Grantee.

**b. INSURANCE REQUIREMENTS**

(1) Commercial General Liability

The Grantee shall maintain general liability on an occurrence form with limits of not less than $1,000,000 per occurrence for bodily injury and property damage liability combined with a $2,000,000 annual policy aggregate. The policy shall include coverage for liabilities arising out of premises, operations, independent subcontractors, products, completed operations, personal and advertising injury, and liability assumed under an insured agreement. This insurance shall apply separately to each insured against whom claim is made or suit is brought subject to the Grantee's limit of liability. The policy must include:

"The State of California, its officers, agents, employees and servants as additional insureds, but only with respect to work performed under the agreement."

This **endorsement** must be supplied under form acceptable to the Office of Risk and Insurance Management.

In the case of Grantee's utilization of subcontractors to complete the contracted scope of work, Grantee shall include all subcontractors as insured's under Grantee's insurance or supply evidence of insurance to the State equal to policies, coverages and limits required of Grantee.

(2) Automobile Liability

The Grantee shall maintain motor vehicle liability with limits not less than $1,000,000 combined single limit per accident. Such insurance shall cover

liability arising out of a motor vehicle including owned, hired and non-owned motor vehicles.

(3) Watercraft Liability

The Grantee shall maintain watercraft liability insurance with limits not less than $1,000,000 combined single limit per accident. Such insurance shall cover liability arising out of the maintenance and use of any watercraft (owned, hired or non-owned). The policy must include:

"The State of California, its officers, agents, employees and servants as additional insureds, but only with respect to work performed that is connected with or related to the activities contemplated in this Agreement."

This **endorsement** must be supplied under form acceptable to the Office of Risk and Insurance Management.

(4) Workers Compensation and Employers Liability

The Grantee shall maintain statutory worker's compensation and employer's liability coverage for all its employees who will be engaged in the performance of the Agreement. Employer's liability limits of $1,000,000 are required. The insurer waives any right of recovery the insurer may have against the State because of payments the insurer makes for injury or damage arising out of the work done under agreement with the State. A Waiver of Subrogation or Right to Recover endorsement in favor of the State must be attached to certificate.

If applicable, Grantee shall provide coverage for all its employees for any injuries or claims under the U.S. Longshoremen's and Harbor Workers' Compensation Act, the Jones Act or under laws, regulations, or statutes applicable to maritime employees. By signing this agreement, Grantee acknowledges compliance with these regulations.

c. **ENVIRONMENTAL/POLLUTION LIABILITY**

Grantee shall maintain Pollution Liability for limits not less than $1,000,000 occurrence covering the Grantee's liability for bodily injury, property damage and environmental damage resulting from pollution and related cleanup costs incurred arising out of the work or services to be performed under this agreement. The policy must include:

"The State of California, its officers, agents, employees and servants as additional insureds, but only with respect to work performed under the agreement."

This **endorsement** must be supplied under form acceptable to the Office of Risk and Insurance Management.

Coverage shall be provided for both work performed on site and during transportation as well as proper disposal of hazardous materials.

d. **SELF INSURANCE**

If the Grantee is self-insured for a portion or all of its insurance, the Grantee shall provide evidence of self-insurance when requested by DBW. Review of financial information including a letter of credit may be required. The DBW reserves the right to request financial information.

e. **STATEMENT OF INSURANCE COVERAGE:**

Grantee certifies and agrees that they have all required insurance coverages as stated in the grant agreement, which will be in effect for the entire term of the agreement.

**Approver initials :** **Date:**

**Name:**

**Title:**

**23. TERMINATION**

a. DBW may terminate this Agreement for any reason upon thirty (30) days written notice to Grantee.

b. If the Grantee fails to keep the required insurance in effect at all times during the term of this agreement, DBW may, in addition to other remedies it may have, terminate this agreement upon two days' written notice.

c. DBW may, by two-day written notice to Grantee and without any prejudice to its other remedies, terminate this agreement because of failure of Grantee to fulfill any of the requirements of this agreement.

d. Upon receipt of any notice terminating this Agreement, Grantee shall immediately discontinue all removal and disposal activities affected, unless the notice directs otherwise. In such event, DBW shall pay Grantee only for removal and disposal activities completed prior to the termination date.

**24. ASSIGNMENT**

This Agreement is not assignable by the Grantee, either in whole or in part, without the consent of the State in the form of a formal written amendment.

**25. MATCHING 10% REQUIREMENT**

a. Section 525(C) of the Harbors and Navigation Code states, “A grant awarded by the department pursuant to subparagraph (A) shall be matched by a 10% contribution from the local agency receiving the grant.”

b. The 10% contribution is in addition to funds awarded in the grant and may be made by cash and/or in-kind contributions from agency’s personnel hours (net hourly rate only with no benefits included) for work completed directly toward SAVE program objectives. Other SAVE-related expenses may be used with advance DBW approval in writing.

c. If using personnel hours for in-kind match, only net, raw hours will be accepted, and verification of in-kind contribution is required with reimbursement request(s). This in-kind contribution must be paid with local funding. State funds may not be used in any way - directly, indirectly, or as pass-through funds. The statement of in-kind hours must be on the form provided by DBW through the Online Grants Application (OLGA), or available upon request, and must include:

(1) Activity date

(2) Vessel/issue name or description

(3) Personnel name

(4) Description of SAVE program service provided

(5) Number of hours provided by each person (may not exceed more than 8 hours per person per day.)

(6) Hourly rate and total value

d. The burden of proof in complying with the 10-percent contribution requirement is the responsibility of the grantee. Funds will not be disbursed until the grantee has provided DBW with acceptable documentation that it complied with the 10-percent contribution requirement for each disbursement.

## 26 BUDGET DETAIL AND PAYMENT PROVISIONS

### a. Covered Expenses and Reimbursement Claims Processes

(1) Rates charged by the Grantee's service providers, contractors, or subcontractors shall be pre-negotiated with the Grantee and documented in writing. DBW will reimburse the following contract-negotiated rate expenditures provided by Grantee's contracted service providers, contractors and/or subcontractors, within the scope of the SAVE program for **abandoned** vessels:

(a) Raising of submerged vessels from shallow waters. Depth of water over obstruction at low water must be 15 feet or less; objects submerged more than 15 feet at low water are not eligible without prior DBW approval.

(b) Mast and/or rigging removal if vessel is in waters greater than 15 feet deep at low water.

(c) Vessel removal from accessible locations

(d) Hazardous materials (hazmat) removal and disposal

(e) Towing

(f) Storage

i. Without lien sale: 60 days maximum

ii. With lien sale: 90 days maximum with justification

iii. If stored onsite at Grantee's facility, 100% of the normal rate of charge to the public may be used to satisfy the 10% in kind match requirement, and fee schedule is required for verification.

(g) Lien sale expenses: fees charged by lien sale service companies, postage, DMV fees, and advertising costs

(h) Public notice advertising

(i) Vessel appraisal

(j) Salvage and demolition

(2) Rates charged by the Grantee's service providers, contractors, or subcontractors shall be pre-negotiated with the Grantee and documented in writing. DBW will reimburse the following contract-negotiated rate expenditures provided by Grantee's contracted service providers, contractors and/or subcontractors, within the scope of the SAVE program for **surrendered** vessels:

(a) Vessel and/or hazardous material removal and disposal

(b) One tow to destruction site

(c) Demolition

(d) Raising of submerged surrendered vessels may only be reimbursed with DBW's advanced written approval

(3) Other expenses may be considered with advance written approval from DBW.

(4) Ineligible expenses include hand tools, consumables, grantee direct staffing, time and materials from subcontractors, etc. without prior written approval from DBW.

**b. Reimbursement claim forms:**

Reimbursement claim forms are available in DBW's Online Grant Application System (OLGA) or upon request. Grantee must sign and date each reimbursement claim in blue ink and submit with the following documents to DBW:

**(1) Invoices from service providers, contractors and/or subcontractors to Grantee:**

Invoices must contain the following:

(a) Name and address of Grantee

(b) Contract or invoice number

(c) Description of service performed

(d) Date the service was performed

(e) Location of each service

(f) Vessel name, CF# or HIN# if available; otherwise, description of vessel

**(2) Proof of payment for all invoices.**

The following acceptable forms of proof are:

(a) Cancelled check (with bank's cancelled stamp on back of check copy)

(b) Copy of credit card statement charge slip

(c) Invoices from service provider showing zero balance.

(d) Proof of Accounting Clearing House (ACH) or Electronic transfer showing date, amount and transaction confirmation number.

**(3) 10% in-kind match contribution statement:**

(a) If Grantee is matching the 10% requirement with in-kind services, complete the DPR265 Itemized 10% In-kind Contribution Statement located in OLGA or available upon request.

(b) Only net hourly rates will be accepted. Grantee must include verification of net rates with first claim and each time rates change.

**(4) Photos of vessels (Required)**

(a) **One photo** showing the vessel where it was abandoned and the CF or HIN number (if available). If the CF number is not visible/available, photo must show description used on claim form. Photos of surrendered vessels need to show the CF or HIN number, if available.

**(5) For Surrendered Vessels ONLY:**

DBW Vessel Release of Interest and Ownership must be completed in its

entirety and signed by the vessel owner(s) and the SAVE agency representative This form can be downloaded from OLGA.

One proof of vessel ownership must be provided. This can be a copy of the Certification of Ownership (title/pink slip or Coast Guard document) signed by the owner, DMV registration form, or a DMV issued junk slip. Power of Attorney or DMV issued marina lien documents showing the marina has legal interest are also acceptable. Keep the originals and provide DBW with copies.

The Grantee must obtain a signed DBW Release of Interest form from all known interested parties prior to the removal, destruction, or disposal of any vessel funded under this Agreement. This includes, but is not limited to, any legal owner, registered owner, lienholder, or individual or entity with a documented financial or legal claim to the vessel, including those owing penalties or back taxes.

NOTE: Vessel ownership verification is required; however, it is not required that boat owners bring their registration up to date to surrender their vessel through the VTIP.

(6) DO NOT INCLUDE DOCUMENTATION THAT IS NOT REQUIRED such as incident reports, internal routing forms, accounting journals, etc.

c. Submit one (1) hard copy and one (1) electronic copy of each reimbursement claim form and all supporting documentation to:

**Division of Boating and Waterways**

**PO Box 942896, Floor 12**

**Sacramento, CA 94296**

**Attention: SAVE Unit**

Email: gina.disney@parks.ca.gov

d. Submission of fraudulent invoices or other claim documentation is a breach of this Agreement, which shall result in forfeiture of all funds provided under this agreement.

e. Reimbursement requests and status updates shall be submitted at least quarterly, but not more frequently than monthly. If no reimbursable work has been completed, the Grantee shall submit a status update in lieu of a reimbursement request.

f. All final requests for payment must be submitted to DBW no later than forty-five (45) days after the expiration date of the agreement. DBW will not reimburse request(s) received after November 14, 2027.

**27. BUDGET CONTINGENCY CLAUSE**

a. It is mutually agreed that if the Budget Act of the current year and/or any subsequent years covered under this Agreement does not appropriate sufficient funds for the program, this Agreement shall be of no further force and effect. In this event, DBW shall have no liability to pay any funds whatsoever to Grantee or to furnish any other considerations under this Agreement and Grantee shall not be obligated to adhere to any provisions of this Agreement.

b. If funding for any fiscal year is reduced or deleted by the Budget Act for purposes of this program, DBW shall have the option to either cancel this Agreement with no liability occurring to DBW or to offer an agreement amendment to Grantee to reflect

the reduced amount.

**28. INDEMNIFICATION**

DPR shall not be answerable or accountable in any manner for, any loss or expense by reason of any damage or injury to person or property arising out of or related in any way to activities carried out by Grantee, its agents, officers, contractors, subcontractors and/or employees.

Under this Agreement, Grantee shall protect, hold harmless, indemnify and defend DPR, its agents, officers, and/or employees against any and all actions, claims, and damages to persons or property, penalties, obligations and liabilities that may be asserted or claimed by any person, firm, association, entity, corporation, political subdivision, or other organization or person arising out of or in connection with Grantee or Grantee's contractor's or subcontractor's activities hereunder, whether or not there is concurrent passive negligence on the part of DPR, its agents, officers, and/or employees.

**29. FUNDS ASSIST**

The Funds Assist process enables grantees with unused funds to assist other participating SAVE agencies in need. For up to six (6) months prior to the expiration date of the grant, Funds Assistant is voluntary. Thereafter, at DBW's discretion, participation shall be mandatory for grantees with anticipated remaining balances. Failure to participate shall negatively affect grantee's score on future grant applications for a period of up to three (3) years.

The Funds Assist process works as follows:

a. DBW will email all grantees to identify if funding will go unused or if all funding is needed. Grantee shall respond with a confirmation: all funds will be utilized, if all funds will go unutilized and how much, or if funds are needed and how much. DBW will prepare grant amendments to reduce or add funds to grantees as appropriate. Grantee shall execute amendments in a timely manner.

b. If grant amendments are not possible, DBW may require collaboration and reimbursement between agencies. Specifics for this process will be discussed with participating agencies when needed.

**30. 90-DAY RETURN OF GRANT DOCUMENTS TO DBW**

Grant agreements issued to the awarded agency must be completed and returned within 90 days of the date of issuance according to the instructions issued by DBW with the grant agreement. If extenuating circumstances prevent the ability of the agency to meet this deadline, approval from DBW must be obtained in writing. DBW retains the right to determine approval or denial of extensions.

**31. ANTI-CORRUPTION**

Grantees are required to report to DBW any written, suggested, or verbally implied cases whereby a contractor, subcontractor or other service provider increases their fee(s) due to the existence or balance of a SAVE grant in order to increase their fee(s). Such service providers may be investigated for price gouging. If investigated, a two-year history of charges applied to work of all known SAVE grant work by that contractor will be required by DBW for review.

**32. AQUATIVE INVASIVE SPECIES**

Grantees are required to ensure that they and all their sub-contractors take all necessary precautions to prevent the spread of aquatic invasive species when removing and transporting

vessels and other marine debris. At minimum, precautions will include draining all water and ensuring that material is dry prior to transporting from the water to a land-based location. Guidelines for preventing the spread of aquatic invasive species can be found at: dbw.parks.ca.gov/mussels.

**EXHIBIT C**

**GENERAL TERMS AND CONDITIONS**

**1. APPROVAL:**

This Agreement is of no force or effect until signed by both parties and approved by the Department of General Services, if required. Grantee may not commence performance until such approval has been obtained.

**2. EFFECTIVE DATE:**

Effective date means either the start date or the approval date by the Department of General Services (DGS), whichever is later. In cases where DGS approval is not required, this Agreement is of no force or effect until the date of the last DBW signature. No work shall commence until the effective date.

**3. AMENDMENT:**

No amendment or variation of the terms of this Agreement shall be valid unless made in writing, signed by the parties and approved as required. No oral understanding or Agreement not incorporated in the Agreement is binding on any of the parties.

**4. ASSIGNMENT:**

This Agreement is not assignable by the Grantee, either in whole or in part, without the consent of the State in the form of a formal written amendment.

**5. AUDIT:**

Grantee agrees that the awarding department, the Department of General Services, the Bureau of State Audits, or their designated representative shall have the right to review and to copy any records and supporting documentation pertaining to the performance of this Agreement. **Grantee agrees to maintain such records for possible audit for a minimum of three (3) years after final payment, unless a longer period of records retention is stipulated.** Grantee agrees to allow the auditor(s) access to such records during normal business hours and to allow interviews of any employees who might reasonably have information related to such records. Further, Grantee agrees to include a similar right of the State to audit records and interview staff in any subcontract related to performance of this Agreement. (Gov. Code §8546.7, Pub. Contract Code §10115 et seq., CCR Title 2, Section 1896).

**6. INDEMNIFICATION:**

Grantee agrees to indemnify, defend and save harmless the State, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, suppliers, laborers, and any other person, firm or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by the subcontractor or Grantee in the performance of this Agreement.

**7. DISPUTES:**

Grantee shall continue with the responsibilities under this Agreement during any dispute.

**8. TERMINATION FOR CAUSE:**

The State may terminate this Agreement and be relieved of any payments should the Grantee fail to perform the requirements of this Agreement at the time and in the manner

herein provided. In the event of such termination the State may proceed with the work in any manner deemed proper by the State. All costs to the State shall be deducted from any sum due the Grantee under this Agreement and the balance, if any, shall be paid to the Grantee upon demand.

**9. RECYCLING CERTIFICATION:**

The Grantee shall certify in writing under penalty of perjury, the minimum, if not exact, percentage of post-consumer material as defined in the Public Contract Code Section 12200, in products, materials, goods, or supplies offered or sold to the State regardless of whether the product meets the requirements of Public Contract Code Section 12209. With respect to printer or duplication cartridges that comply with the requirements of Section 12156(e), the certification required by this subdivision shall specify that the cartridges so comply (Pub. Contract Code §12205).

**10. NON-DISCRIMINATION CLAUSE:**

During the performance of this Agreement, Grantee and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Grantee and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Grantee and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12900 et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 11000 et seq.), the provisions of Article 9.5, Chapter 1, Part 1, Division 3, Title 2 of the Government Code (Gov. Code §§11135-11139.5), and the regulations or standards adopted by the awarding state agency to implement such article. GRANTEE shall permit access by representatives of the Department of Fair Employment and Housing and the awarding state agency upon reasonable notice at any time during the normal business hours, but in no case less than 24 hours' notice, to such of its books, records, accounts, and all other sources of information and its facilities as said Department or Agency shall require to ascertain compliance with this clause. Grantee and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.(See Cal. Code Regs., tit. 2, §11105.)

Grantee shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Agreement.

**11. CERTIFICATION CLAUSES:**

The GRANTEE CERTIFICATION CLAUSES contained in the document CCC 04/2017 are hereby incorporated by reference and made a part of this Agreement by this reference as if attached hereto.

**12. TIMELINESS:**

Time is of the essence in this Agreement.

**13. COMPENSATION:**

The consideration to be paid Grantee, as provided herein, shall be in compensation for all of Grantee's expenses incurred in the performance hereof, as outlined in Exhibit B, item #24.

**14. GOVERNING LAW:**

This Agreement is governed by and shall be interpreted in accordance with the laws of the State of California.

**15. ANTITRUST CLAIMS:**

The Grantee by signing this agreement hereby certifies that if these services or goods are obtained by means of a competitive bid, the Grantee shall comply with the requirements of the Government Codes Sections set out below.

a. The Government Code Chapter on Antitrust claims contains the following definitions:

(1) "Public purchase" means a purchase by means of competitive bids of goods, services, or materials by the State or any of its political subdivisions or public agencies on whose behalf the Attorney General may bring an action pursuant to subdivision (c) of

Section 16750 of the Business and Professions Code.

(2) "Public purchasing body" means the State or the subdivision or agency making a public purchase. Government Code Section 4550.

b. In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder. Government Code Section 4552.

c. If an awarding body or public purchasing body receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under this chapter, the assignor shall be entitled to receive reimbursement for actual legal costs incurred and may, upon demand, recover from the public body any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the public body as part of the bid price, less the expenses incurred in obtaining that portion of the recovery. Government Code Section 4553.

d. Upon demand in writing by the assignor, the assignee shall, within one year from such demand, reassign the cause of action assigned under this part if the assignor has been or may have been injured by the violation of law for which the cause of action arose and (a) the assignee has not been injured thereby, or (b) the assignee declines to file a court action for the cause of action. See Government Code Section 4554.

**16. CHILD SUPPORT COMPLIANCE ACT:**

For any Agreement in excess of $100,000, the Grantee acknowledges in accordance with Public Contract Code 7110, that:

a. The Grantee recognizes the importance of child and family support obligations and shall fully comply with all applicable state and federal laws relating to child and family support enforcement, including, but not limited to, disclosure of information and

compliance with earnings assignment orders, as provided in Chapter 8 (commencing with section 5200) of Part 5 of Division 9 of the Family Code; and

b. The Grantee, to the best of its knowledge is fully complying with the earnings assignment orders of all employees and is providing the names of all new employees to the New Hire Registry maintained by the California Employment Development Department.

**17. UNENFORCEABLE PROVISION:**

In the event that any provision of this Agreement is unenforceable or held to be unenforceable, then the parties agree that all other provisions of this Agreement have force and effect and shall not be affected thereby.

**18. PRIORITY HIRING CONSIDERATIONS:**

If this Agreement includes services in excess of $200,000, the Grantee shall give priority consideration in filling vacancies in positions funded by the agreement to qualified recipients of aid under Welfare and Institutions Code Section 11200 in accordance with Pub. Contract Code §10353.

**19. SMALL BUSINESS PARTICIPATION AND DVBE PARTICIPATION REPORTING REQUIREMENTS:**

a. If for this Agreement Grantee made a commitment to achieve small business participation, then Grantee must within 60 days of receiving final payment under this Agreement (or within such other time period as may be specified elsewhere in this Agreement) report to the awarding department the actual percentage of small business participation that was achieved. (Govt. Code § 14841.)

b. If for this Agreement Grantee made a commitment to achieve disabled veteran business enterprise (DVBE) participation, then Grantee must within 60 days of receiving final payment under this Agreement (or within such other time period as may be specified elsewhere in this Agreement) certify in a report to the awarding department: (1) the total amount the prime Grantee received under the Agreement; (2) the name and address of the DVBE(s) that participated in the performance of the Agreement; (3) the amount each DVBE received from the prime Grantee; (4) that all payments under the Agreement have been made to the DVBE; and (5) the actual percentage of DVBE participation that was achieved. A person or entity that knowingly provides false information shall be subject to a civil penalty for each violation. (Mil. & Vets. Code § 999.5(d); Govt. Code § 14841.)

**20. LOSS LEADER:**

If this agreement involves the furnishing of equipment, materials, or supplies then the following statement is incorporated: It is unlawful for any person engaged in business within this state to sell or use any article or product as a “loss leader” as defined in Section 17030 of the Business and Professions Code. (PCC 10344(e).)

**EXHIBIT D**

**GRANTEE CERTIFICATION CLAUSES**

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that I am duly authorized to legally bind the prospective Grantee to the clause(s) listed below. This certification is made under the laws of the State of California.

| Grantee Agency Name (Printed)<br><br>City of Redondo Beach | | Federal ID Number<br><br>95-6000767 |
|---|---|---|
| By (Authorized Signature) | | |
| Printed Name and Title of Person Signing | | |
| Date Executed | Executed in the County of<br><br>Los Angeles | |

**GRANTEE CERTIFICATION CLAUSES**

**1. STATEMENT OF COMPLIANCE:**

Grantee has, unless exempted, complied with the nondiscrimination program requirements. (Gov. Code §12990 (a-f) and CCR, Title 2, Section 11102) (Not applicable to public entities.)

**2. DRUG-FREE WORKPLACE REQUIREMENTS:**

Grantee will comply with the requirements of the Drug-Free Workplace Act of 1990 and will provide a drug-free workplace by taking the following actions:

a. Publish a statement notifying employees that unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited and specifying actions to be taken against employees for violations.

b. Establish a Drug-Free Awareness Program to inform employees about:

(1) the dangers of drug abuse in the workplace;

(2) the person's or organization's policy of maintaining a drug-free workplace;

(3) any available counseling, rehabilitation and employee assistance programs; and,

(4) penalties that may be imposed upon employees for drug abuse violations.

c. Every employee who works on the proposed Agreement will:

(1) receive a copy of the company's drug-free workplace policy statement; and,

(2) agree to abide by the terms of the company's statement as a condition of employment on the Agreement.

Failure to comply with these requirements may result in suspension of payments under the Agreement or termination of the Agreement or both and Grantee may be ineligible for award of any future State agreements if the department determines that any of the following has occurred: the Grantee has made false certification, or violated the certification by failing to carry out the requirements as noted above. (Gov. Code §8350 et seq.)

**3. NATIONAL LABOR RELATIONS BOARD CERTIFICATION:**

Grantee certifies that no more than one (1) final unappealable finding of contempt of court by a Federal court has been issued against Grantee within the immediately preceding two-year period because of Grantee's failure to comply with an order of a Federal court, which orders Grantee to comply with an order of the National Labor Relations Board. (Pub. Contract Code §10296) (Not applicable to public entities.)

**4. CONTRACTS FOR LEGAL SERVICES $50,000 OR MORE- PRO BONO REQUIREMENT:**

Grantee hereby certifies that Grantee will comply with the requirements of Section 6072 of the Business and Professions Code, effective January 1, 2003.

Grantee agrees to make a good faith effort to provide a minimum number of hours of pro bono legal services during each year of the agreement equal to the lessor of 30 multiplied by the number of full time attorneys in the firm's offices in the State, with the number of hours prorated on an actual day basis for any contract period of less than a full year or 10% of its agreement with the State.

Failure to make a good faith effort may be cause for non-renewal of a state agreement for legal services, and may be taken into account when determining the award of future contracts/agreements with the State for legal services.

**5. EXPATRIATE CORPORATIONS:**

Grantee hereby declares that it is not an expatriate corporation or subsidiary of an expatriate corporation within the meaning of Public Contract Code Section 10286 and 10286.1, and is eligible to contract with the State of California.

**6. SWEATFREE CODE OF CONDUCT:**

a. All Grantees contracting for the procurement or laundering of apparel, garments or corresponding accessories, or the procurement of equipment, materials, or supplies, other than procurement related to a public works contract, declare under penalty of perjury that no apparel, garments or corresponding accessories, equipment, materials, or supplies furnished to the state pursuant to the contract have been laundered or produced in whole or in part by sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor, or with the benefit of sweatshop labor, forced labor, convict labor, indentured labor under penal sanction, abusive forms of child labor or exploitation of children in sweatshop labor. The Grantee further declares under penalty of perjury that they adhere to the Sweatfree Code of Conduct as set forth on the California Department of Industrial Relations website located at www.dir.ca.gov, and Public Contract Code Section 6108.

b. The Grantee agrees to cooperate fully in providing reasonable access to the Grantee's records, documents, agents or employees, or premises if reasonably required by authorized officials of the contracting agency, the Department of Industrial Relations, or the Department of Justice to determine the Grantee's compliance with the requirements under paragraph (a).

**7. DOMESTIC PARTNERS:**

For contracts over $100,000 executed or amended after January 1, 2007, the Grantee certifies that Grantee is in compliance with Public Contract Code section 10295.3.

**8. GENDER IDENTITY:**

For contracts of $100,000 or more, GRANTEE certifies that GRANTEE is in compliance with Public Contract Code section 10295.35.

## DOING BUSINESS WITH THE STATE OF CALIFORNIA

The following laws apply to persons or entities doing business with the State of California.

**1. CONFLICT OF INTEREST:**

Grantee needs to be aware of the following provisions regarding current or former state employees. If Grantee has any questions on the status of any person rendering services or involved with the Agreement, the awarding agency must be contacted immediately for clarification.

Current State Employees (PCC 10410):

No officer or employee shall engage in any employment, activity or enterprise from which the officer or employee receives compensation or has a financial interest and which is sponsored or funded by any state agency, unless the employment, activity or enterprise is required as a condition of regular state employment.

No officer or employee shall contract on his or her own behalf as an independent contractor with any state agency to provide goods or services.

Former State Employees (PCC 10411):

For the two-year period from the date he or she left state employment, no former state officer or employee may enter into a contract in which he or she engaged in any of the negotiations, transactions, planning, arrangements or any part of the decision-making process relevant to the contract while employed in any capacity by any state agency.

For the twelve-month period from the date he or she left state employment, no former state officer or employee may enter into a contract with any state agency if he or she was employed by that state agency in a policy-making position in the same general subject area as the proposed contract within the 12-month period prior to his or her leaving state service.

If Grantee violates any provisions of above paragraphs, such action by Grantee shall render this Agreement void. (PCC 10420)

Members of boards and commissions are exempt from this section if they do not receive payment other than payment of each meeting of the board or commission, payment for preparatory time and payment for per diem. (PCC 10430 (e))

**2. LABOR CODE/WORKERS' COMPENSATION:**

Grantee needs to be aware of the provisions which require every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions, and Grantee affirms to comply with such provisions before commencing the performance of the work of this Agreement. (Labor Code Section 3700)

**3. AMERICANS WITH DISABILITIES ACT:**

Grantee assures the State that it complies with the Americans with Disabilities Act (ADA) of 1990, which prohibits discrimination on the basis of disability, as well as all applicable regulations and guidelines issued pursuant to the ADA. (42 U.S.C. 12101 et seq.)

**4. GRANTEE NAME CHANGE:**

An amendment is required to change the Grantee's name as listed on this Agreement. Upon receipt of legal documentation of the name change the State will process the amendment. Payment of invoices presented with a new name cannot be paid prior to approval of said amendment. Any changes of the Grantee's representative shall be notified to DBW within 30 days written notice on Grantee's letterhead.

**5. CORPORATE QUALIFICATIONS TO DO BUSINESS IN CALIFORNIA:**

a. When agreements are to be performed in the state by corporations, the contracting agencies will be verifying that the Grantee is currently qualified to do business in California in order to ensure that all obligations due to the state are fulfilled.

b. "Doing business" is defined in R&TC Section 23101 as actively engaging in any transaction for the purpose of financial or pecuniary gain or profit. Although there are some statutory exceptions to taxation, rarely will a corporate Grantee performing within the state not be subject to the franchise tax.

c. Both domestic and foreign corporations (those incorporated outside of California) must be in good standing in order to be qualified to do business in California. Agencies will determine whether a corporation is in good standing by calling the Office of the Secretary of State.

**6. RESOLUTION:**

A county, city, district, or other local public body must provide the State with a copy of a resolution, order, motion, or ordinance of the local governing body which by law has authority to enter into an agreement, authorizing execution of the agreement.

**7. AIR OR WATER POLLUTION VIOLATION:**

Under the State laws, the Grantee shall not be: (1) in violation of any order or resolution not subject to review promulgated by the State Air Resources Board or an air pollution control district; (2) subject to cease and desist order not subject to review issued pursuant to Section 13301 of the Water Code for violation of waste discharge requirements or discharge prohibitions; or (3) finally determined to be in violation of provisions of federal law relating to air or water pollution.

**8. PAYEE DATA RECORD FORM STD. 204:**

This form must be completed by all Grantees that are not another state agency or other governmental entity.

**EXHIBIT E – DARFUR CONTRACTING ACT**

If your agency hires a contractor to complete work under this grant, the contractor must fill out and sign the Darfur Contracting Act form prior to execution of the contract. A Sample of The Darfur Contracting Act form is provided on the next page; this form (DGS PD 1) can also be downloaded from the California Department of General Services website.

Effective January 1, 2009, all Invitations for Bids (IFB) or Requests for Proposals (RFP) for goods or services must address the requirements of the Darfur Contracting Act of 2008 (Act). (Public Contract Code sections 10475, et seq.; Stats. 2008, Ch. 272). The Act was passed by the California Legislature and signed into law by the Governor to preclude State agencies generally from contracting with "scrutinized" companies that do business in the African nation of Sudan (of which the Darfur region is a part), for the reasons described in Public Contract Code section 10475.

A scrutinized company is a company doing business in Sudan as defined in Public Contract Code section 10476. Scrutinized companies are ineligible to, and cannot, bid on or submit a proposal for a contract with a State agency for goods or services. (Public Contract Code section 10477(a)).

Therefore, Public Contract Code section 10478 (a) requires a company that currently has (or within the previous three years has had) business activities or other operations outside of the United States to certify that it is not a "scrutinized" company when it submits a bid or proposal to a State agency. (See # 1 on the sample Attachment).

## The following sample Attachment may be included in an IFB or RFP to satisfy the Act's certification requirements of bidders and proposers.

## EXHIBIT E – DARFUR CONTRACTING ACT

SAMPLE FORM

Public Contract Code Sections 10475 -10481 applies to any company that currently or within the previous three years has had business activities or other operations outside of the United States.

For such a company to bid on or submit a proposal for a State of California contract, the company must certify that it is either a) not a scrutinized company; orb) a scrutinized company that has been granted permission by the Department of General Services to submit a proposal.

If your company has not, within the previous three years, had any business activities or other operations outside of the United States, you do **not** need to complete this form.

### OPTION #1 - CERTIFICATION

If your company, within the previous three years, has had business activities or other operations outside of the United States, in order to be eligible to submit a bid or proposal, please insert your company name and Federal ID Number and complete the certification below.

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY that a) the prospective proposer/bidder named below is not a scrutinized company per Public Contract Code 10476; and b) I am duly authorized to legally bind the prospective proposer/bidder named below. This certification is made under the laws of the State of California.

| | |
|---|---|
| Company/Vendor Name (Printed)<br>City of Redondo Beach | Federal ID Number<br>95-6000767 |
| By (Authorized Signature) | Date |
| Printed Name and Title of Person Signing<br>, | |

### OPTION #2 - WRITTEN PERMISSION FROM DGS

Pursuant to Public Contract Code Section 10477(b), the Director of the Department of General Services may permit a scrutinized company, on a case-by-case basis, to bid on or submit a proposal for a contract with a state agency for goods or services, if it is in the best interests of the state. If you are a scrutinized company that has obtained written permission from the DGS to submit a bid or proposal, complete the information below.

We are a scrutinized company as defined in Public Contract Code section 10476, but we have received written permission from the Department of General Services to submit a bid or proposal pursuant to Public Contract Code section 10477(b). A copy of the written permission from DGS is included with our bid or proposal.

| | |
|---|---|
| Company/Vendor Name (Printed)<br>City of Redondo Beach | Federal ID Number<br>95-6000767 |
| By (Authorized Signature) | Date |
| Printed Name and Title of Person Signing<br>, | |

## General

**1 Applicant Information**

| | | | |
|---|---|---|---|
| a. | Applicant Name | City of Redondo Beach | |
| b. | Organizational Unit | Waterfront and Economic Development | |
| c. | Address | 415 Diamond Street | |
| d. | Address 2 | | |
| e. | City | Redondo Beach | State CA Zip 90277 |
| f. | Federal ID Number | 95-6000767 | Unique Entity Id. |
| g. | Agency Type | | |

- (●) City
- ( ) County
- ( ) Federally or State Recognized Native American Tribe
- ( ) District

### Goals and Objectives

Based on an agency's application, DBW will prioritize funding according to agencies demonstrating the greatest need, cost effective methods, and prevention strategies. Additionally, points are awarded for agencies that work with their local private marina owners in the prevention of abandoned vessels.

**2 Project Information**

| | | | | |
|---|---|---|---|---|
| a. | Project Name | Surrendered and Abandoned Vessel Exchange (SAVE) Fiscal Year 2025/2026 | | |
| b. | Is implementing agency same as Applicant | | | (●) Yes ( ) No |
| c. | Implementing Agency Name | | | |
| d. | Project Start Date | Oct-01-2025 | End Date | Sep-30-2027 |
| e. | Amount of Funds Requested | $50,000.00 | Project Cost | $55,000.00 |

3. **Billing Address**

If billing address is different than Applicant and/or Contact, please provide

a. Billing Agency Name:

Address:

City: State: Zip:

Phone:

**3 Contacts**

a. Project Administrator

| | | | | | |
|---|---|---|---|---|---|
| Name | Katherine Buck | | | | |
| Title | | | | | |
| Mailing Address | 415 Diamond Street | | | | |
| City | Redondo Beach | State | CA | Zip | 90277 |
| Telephone | 310.697.30 | | | Fax | |
| E-mail Address | katherine.buck@redondo.org | | | | |

b. Authorized Representative

| | | | | | |
|---|---|---|---|---|---|
| Name | Greg Kapovich | | | | |
| Title | | | | | |
| Mailing Address | 415 Diamond St | | | | |
| City | Redondo Beach | State | CA | Zip | 90277 |
| Telephone | (310) 697-3042 | | | Fax | |
| E-mail Address | greg.kapovich@redondo.org | | | | |

c. Project Administrator

| | | | | | |
|---|---|---|---|---|---|
| Name | Captain Curt Mahoney | | | | |
| Title | | | | | |
| Mailing Address | 280 Marina Way | | | | |
| City | Redondo Beach | State | CA | Zip | 90277 |
| Telephone | (310) 318-0671 | | | Fax | |
| E-mail Address | curt.mahoney@redondo.org | | | | |

**1. Minimum Qualifications**

1. Does your agency have an enforcement program to address abandoned boats? (●) Yes ( ) No

   If Yes, describe: Our Harbor Patrol leads our enforcement program to address abandoned vessels, and our municipal code authorizes our Harbor Patrol and Harbor Master to have the authority to remove abandoned vessels. To support our enforcement program, the City hired a Harbor Master in September 2024 to oversee the Harbor Patrol and to manage the enforcement program to keep our harbor safe. The Harbor Master said that enforcement is a big part of what they do as Harbor Patrol, and they are not just reactive - they are proactive. They regularly patrol the harbor and surrounding areas to prevent derelict or problem vessels from entering in the first place. This includes checking for suspicious activity or vessels that may be looking to anchor without proper authorization. They also work closely with nearby harbors, law enforcement, and regional partners up and down the coast. They stay in constant communication, sharing info on vessels of concern or known issues. This collaboration helps keep everyone in the loop and makes enforcement more effective overall. Their efforts are not just about keeping the harbor clean - they also support the broader goal of qualifying for grant funding to safely remove and dispose of vessels that might otherwise become long-term problems.

2. Attach ordinance, resolution, or municipal code authorizing your agency's involvement and its jurisdiction for prevention and removal of abandoned vessels and accepting surrendered vessels. 45961_0_489_Redondo Beach Municipal Codes.pdf

3. Has your agency been out of compliance with the terms of any other Department of Parks and Recreation contract or grant agreements within the past 3 years? ( ) Yes (●) No

**1. California State Senate Districts**

Select one or more of the California State Senate Districts where the proposed project activities will occur. Copy and Paste the URL (http://www.legislature.ca.gov/legislators_and_districts/districts/districts.html) in your browser to determine the State Senate district(s).

| | | | | |
|---|---|---|---|---|
| ☐ State Senate 01 | ☐ State Senate 02 | ☐ State Senate 03 | ☐ State Senate 04 | ☐ State Senate 05 |
| ☐ State Senate 06 | ☐ State Senate 07 | ☐ State Senate 08 | ☐ State Senate 09 | ☐ State Senate 10 |
| ☐ State Senate 11 | ☐ State Senate 12 | ☐ State Senate 13 | ☐ State Senate 14 | ☐ State Senate 15 |
| ☐ State Senate 16 | ☐ State Senate 17 | ☐ State Senate 18 | ☐ State Senate 19 | ☐ State Senate 20 |
| ☐ State Senate 21 | ☐ State Senate 22 | ☐ State Senate 23 | ☑ State Senate 24 | ☐ State Senate 25 |
| ☐ State Senate 26 | ☐ State Senate 27 | ☐ State Senate 28 | ☐ State Senate 29 | ☐ State Senate 30 |
| ☐ State Senate 31 | ☐ State Senate 32 | ☐ State Senate 33 | ☐ State Senate 34 | ☐ State Senate 35 |
| ☐ State Senate 36 | ☐ State Senate 37 | ☐ State Senate 38 | ☐ State Senate 39 | ☐ State Senate 40 |

**2. California State Assembly Districts**

Select one or more of the California State Assembly Districts where the proposed project activities will occur. Copy and Paste the URL (http://www.legislature.ca.gov/legislators_and_districts/districts/districts.html) in your browser to determine the State Assembly district(s).

| | | | |
|---|---|---|---|
| ☐ State Assembly 01 | ☐ State Assembly 02 | ☐ State Assembly 03 | ☐ State Assembly 04 |
| ☐ State Assembly 05 | ☐ State Assembly 06 | ☐ State Assembly 07 | ☐ State Assembly 08 |
| ☐ State Assembly 09 | ☐ State Assembly 10 | ☐ State Assembly 11 | ☐ State Assembly 12 |
| ☐ State Assembly 13 | ☐ State Assembly 14 | ☐ State Assembly 15 | ☐ State Assembly 16 |
| ☐ State Assembly 17 | ☐ State Assembly 18 | ☐ State Assembly 19 | ☐ State Assembly 20 |
| ☐ State Assembly 21 | ☐ State Assembly 22 | ☐ State Assembly 23 | ☐ State Assembly 24 |
| ☐ State Assembly 25 | ☐ State Assembly 26 | ☐ State Assembly 27 | ☐ State Assembly 28 |
| ☐ State Assembly 29 | ☐ State Assembly 30 | ☐ State Assembly 31 | ☐ State Assembly 32 |
| ☐ State Assembly 33 | ☐ State Assembly 34 | ☐ State Assembly 35 | ☐ State Assembly 36 |
| ☐ State Assembly 37 | ☐ State Assembly 38 | ☐ State Assembly 39 | ☐ State Assembly 40 |
| ☐ State Assembly 41 | ☐ State Assembly 42 | ☐ State Assembly 43 | ☐ State Assembly 44 |
| ☐ State Assembly 45 | ☐ State Assembly 46 | ☐ State Assembly 47 | ☐ State Assembly 48 |
| ☐ State Assembly 49 | ☐ State Assembly 50 | ☐ State Assembly 51 | ☐ State Assembly 52 |
| ☐ State Assembly 53 | ☐ State Assembly 54 | ☐ State Assembly 55 | ☐ State Assembly 56 |
| ☐ State Assembly 57 | ☐ State Assembly 58 | ☐ State Assembly 59 | ☐ State Assembly 60 |
| ☐ State Assembly 61 | ☐ State Assembly 62 | ☐ State Assembly 63 | ☐ State Assembly 64 |
| ☐ State Assembly 65 | ☑ State Assembly 66 | ☐ State Assembly 67 | ☐ State Assembly 68 |
| ☐ State Assembly 69 | ☐ State Assembly 70 | ☐ State Assembly 71 | ☐ State Assembly 72 |
| ☐ State Assembly 73 | ☐ State Assembly 74 | ☐ State Assembly 75 | ☐ State Assembly 76 |
| ☐ State Assembly 77 | ☐ State Assembly 78 | ☐ State Assembly 79 | ☐ State Assembly 80 |

**3. California Congressional Districts**

Select one or more of the California Congressional Districts where the proposed project activities will occur. Copy and Paste the URL (https://www.govtrack.us/congress/members/CA) in your browser to determine the Congressional district(s).

| | | |
|---|---|---|
| ☐ Congressional District 1 | ☐ Congressional District 2 | ☐ Congressional District 3 |
| ☐ Congressional District 4 | ☐ Congressional District 5 | ☐ Congressional District 6 |

| | | |
|---|---|---|
| ☐ Congressional District 7 | ☐ Congressional District 8 | ☐ Congressional District 9 |
| ☐ Congressional District 10 | ☐ Congressional District 11 | ☐ Congressional District 12 |
| ☐ Congressional District 13 | ☐ Congressional District 14 | ☐ Congressional District 15 |
| ☐ Congressional District 16 | ☐ Congressional District 17 | ☐ Congressional District 18 |
| ☐ Congressional District 19 | ☐ Congressional District 20 | ☐ Congressional District 21 |
| ☐ Congressional District 22 | ☐ Congressional District 23 | ☐ Congressional District 24 |
| ☐ Congressional District 25 | ☐ Congressional District 26 | ☐ Congressional District 27 |
| ☐ Congressional District 28 | ☐ Congressional District 29 | ☐ Congressional District 30 |
| ☐ Congressional District 31 | ☐ Congressional District 32 | ☐ Congressional District 33 |
| ☐ Congressional District 34 | ☐ Congressional District 35 | ☑ Congressional District 36 |
| ☐ Congressional District 37 | ☐ Congressional District 38 | ☐ Congressional District 39 |
| ☐ Congressional District 40 | ☐ Congressional District 41 | ☐ Congressional District 42 |
| ☐ Congressional District 43 | ☐ Congressional District 44 | ☐ Congressional District 45 |
| ☐ Congressional District 46 | ☐ Congressional District 47 | ☐ Congressional District 48 |
| ☐ Congressional District 49 | ☐ Congressional District 50 | ☐ Congressional District 51 |
| ☐ Congressional District 52 | ☐ Congressional District 53 | |

**4. County**

Select one or more of the California Counties where the proposed project activities will occur.

| | | | | | |
|---|---|---|---|---|---|
| ☐ Alameda | ☐ Alpine | ☐ Amador | ☐ Butte | ☐ Calaveras | ☐ Colusa |
| ☐ Contra Costa | ☐ Del Norte | ☐ El Dorado | ☐ Fresno | ☐ Glenn | ☐ Humboldt |
| ☐ Imperial | ☐ Inyo | ☐ Kern | ☐ Kings | ☐ Lake | ☐ Lassen |
| ☑ Los Angeles | ☐ Madera | ☐ Marin | ☐ Mariposa | ☐ Mendocino | ☐ Merced |
| ☐ Modoc | ☐ Mono | ☐ Monterey | ☐ Napa | ☐ Nevada | ☐ Orange |
| ☐ Placer | ☐ Plumas | ☐ Riverside | ☐ Sacramento | ☐ San Benito | ☐ San Bernardino |
| ☐ San Diego | ☐ San Francisco | ☐ San Joaquin | ☐ San Luis Obispo | ☐ San Mateo | ☐ Santa Barbara |
| ☐ Santa Clara | ☐ Santa Cruz | ☐ Shasta | ☐ Sierra | ☐ Siskiyou | ☐ Solano |
| ☐ Sonoma | ☐ Stanislaus | ☐ Sutter | ☐ Tehama | ☐ Trinity | ☐ Tulare |
| ☐ Tuolumne | ☐ Ventura | ☐ Yolo | ☐ Yuba | | |

**3. Jurisdictional Control**

List all waterbodies that are in your jurisdictional control and fill in the chart for each - What are your Primary Responsibilities in your AOR - Objective 4: Existence of an Active Enforcement Program

| Waterbody Name | Acres or square miles of this waterbody in your jurisdiction | What are the corporate limits of your agency's jurisdictional control in each waterbody? | List all other agencies who share jurisdictional control of this waterbody. | Identify which agency has lead jurisdiction for removing abandoned vessels and accepting surrendered vessels in this waterbody. | How often does your agency monitor this area? | Identify your primary responsibilities in this waterbody |
|---|---|---|---|---|---|---|
| Redondo Beach King Harbor | 150 acres | The City of Redondo Beach has primary control of the waterbody. | We are the primary agency. | City of Redondo Beach | We monitor this area 24 hours a day, 7 days a week, 365 days a year. | Public Safety, Law Enforcement, Emergency Response |

**4. Staff Dedicated to Abandoned and Surrendered Vessel Activities**

Staff dedicated to Abandoned and Surrendered Vessel Activities - Objective 4: Existence of an active enforcement program

| List the names and titles of staff assigned in their job duties to the removal of abandoned vessels and receipt of surrendered vessels. | Total number of hours per week dedicated to removal of abandoned vessels | Total number of hours per week dedicated to receipt of surrendered vessels | Total hours per week |
|---|---|---|---|
| Curt Mahoney, Captain/Harbor Master | 5.00 | 5.00 | 10.00 |
| Chad Smith, Fire Rescue Boat Operator | 2.00 | 1.00 | 3.00 |
| Jason May, Fire Division Chief | 5.00 | 2.00 | 7.00 |

**Objective 1: Prevention**

5. Does your agency accept surrendered vessels? (●) Yes ( ) No

6. How does your agency advertise this program component?

**Publicity Efforts:**

- [x] Advertised on your website
- [x] Agency newsletters
- [ ] PSAs, billboards
- [ ] Social media

☐ Distributing brochures

☑ Other
[Partnership with our 4 Marina Operators to publicize the program]

Number of methods selected to actively promote self turn-in: 3

**Number of brochures distributed per year at:**

| # of Brochures | List names of Events |
|---|---|
| 0 | N/A |

| # of Brochures | List names of Marinas |
|---|---|
| 0 | N/A |

| # of Brochures | List names of Other Activities |
|---|---|
| 0 | N/A |

7. Did your agency have a plan to increase the number of surrendered vessels accepted over the last calendar year? If so, what was the plan and what were the results? Additionally, what plans does your agency have to increase the number of surrendered vessels you accept this year?

The SAVE-23 grant was the first SAVE grant that the City of Redondo Beach received and our goal over the last calendar year was to properly administer and manage the grant, and to spend all of our grant funding. Through our SAVE 23 grant, we were able to successfully remove 3 abandoned vessels and 6 surrendered vessels. We are on track to use the remaining $1,042.93 for an upcoming surrendered vessel. In addition to these 9 vessels, we removed 5 surrendered vessels (over $11,000 total), but our Marina Operator did not collect the required paperwork to submit these vessels to DBW for reimbursement. City staff has trained our four Marina Operators in the processes for an abandoned vessels and to accept a surrendered vessels, and all staff have the checklist and information for submitting reimbursement claims to the City for us to submit to DBW. The City's Waterfront Department also hired a new staff member who is helping the City to manage the SAVE grant program.

Yes, our agency plans to increase the number of surrendered vessels that we accept this year as the City of Redondo Beach has 4 marinas within our King Harbor and we have a significant demand for the SAVE program from our 4 marina operators. Through our SAVE 23 grant, we have been able to publicize the program throughout our boating community and King Harbor community and learn how to successfully manage the grant process. Our SAVE-23 grant focused on cleaning up one of our Marinas that had many non-functioning vessels, but our SAVE-25 grant would be focuses on our four of our marinas. To prepare for the next round of funding, all four Marina Operators have been trained to collect the proper documentation from vessel owners before they can accept the surrendered vessel. City Staff has created a Google Form on our website for people interested in surrendering a vessel to complete (which also reminds them to bring proof of ownership with them), so we have a consolidated list of vessels and owners to contact when we have the resources. We currently have 16 vessels from across our Marinas that are interested in being surrendered with an estimated removal cost of about $50,000 to remove these vessels.

8. How often does your agency coordinate with local boating groups or marinas to inform them of the surrendered vessel program? Describe activities and identify groups/marinas contacted in the last calendar year. (Answer only if you selected ‘Yes’ to Q 5.)

The City of Redondo Beach actively coordinates with the 4 marinas that are part of the King Harbor, including the Redondo Beach Marina, King Harbor Marina, Portofino Marina, and Port Royal Marina. City staff meets weekly with King Harbor's Harbor Master to discuss recent incidences and issues in King Harbor, including any abandoned vessels or vessels that are not functioning correctly that are creating dangerous situations for our Harbor. We also discuss issues and vessels with our Redondo Beach Marina Operator weekly and with the Portofino and Port Royal Marinas monthly. City staff has created a Google Form for the intake of vessels that are interested in being surrendered through the SAVE program and the link has been distributed to the 4 marinas and is posted on the City's website for any interested boater to complete. By coordinating with our 4 marinas and utilizing our Google Form, we currently have 16 vessels that are ready to be surrendered from across King Harbor.

9. Does your agency accept surrendered vessels from boaters outside its jurisdiction? ○ Yes ◉ No

If so, how many surrendered vessels have you received in the last calendar year?

If not, identify why? We currently have many vessels from inside are Harbor that need to be surrendered (16 on our running list) so we are focused on removing these vessels first because we want to prevent unsafe situations in our Harbor. We hope to accept surrendered vessels from outside our jurisdiction in the future, but for the time being we are constrained by resources and staffing and are prioritizing vessels within our waterways.

We do collect information from boaters outside of our jurisdiction who are interested in surrendering a vessel through our Google Form, where they can submit the details about their vessel and their contact details. This creates a spreadsheet for us so we can keep a running list to contact boaters when we have available resources.

10. Describe how your agency monitors abandoned vessel activity in your jurisdiction. Select all that apply.

- ☑ Routine patrol of jurisdiction
- ☑ Visit marinas/dockwalks
- ☑ Direct contact with boat owners
- ☑ Check vessel registration
- ☑ Check seaworthiness (listing, occupancy, trash, bilge running, operable lights)
- ☐ Abandoned vessel mapping and tracking
- ☑ Multi-agency coordination
- ☐ Utilize NASA data

Number of methods selected to monitor abandoned vessel activity 6

11. Describe additional methodologies, if any, (besides participation in SAVE) your agency uses **to prevent abandoned vessels within its jurisdiction?** Our methodologies have focused on promoting the vessel surrendering program. We actively coordinate with our 4 Marina Operators, Harbor Patrol, and our Harbor Master to identify and report any vessels that may be inoperable so that we can work with the owner to find a solution before the vessel becomes abandoned. During COVID, we learned that vessel operators could not maintain their vessels any longer and they became inoperable, and then the vessel operators would leave and leave

the vessel behind. We are trying to be proactive and to work with vessel operators before it reaches this point. We are also coordinating across the Marina stakeholders on additional prevention methodologies. The City hired a Harbor Master in September 2024 who also focuses on the prevention of abandoned vessels in our waterways.

**Objective 2: Control**

12. Describe methodologies, if any, your agency has implemented to control and **prevent abandoned vessels from entering its jurisdiction from other areas.**

Our Harbor Patrol regularly patrols the harbor and surrounding areas to prevent derelict or problem vessels from entering in the first place. This includes checking for suspicious activity or vessels that may be looking to anchor without proper authorization. They also work closely with nearby harbors, law enforcement, and regional partners up and down the coast and stay in constant communication, sharing info on vessels of concern or known issues. This collaboration helps keep everyone in the loop and makes enforcement more effective overall. Our efforts are not just about keeping the harbor clean - they also support the broader goal of qualifying for grant funding to safely remove and dispose of vessels that might otherwise become long-term problems. As soon as a vessel enters Redondo Beach Harbor, our Harbor Patrol makes it a point to immediately greet them on the water. One of our Harbor Patrol team members heads out and makes contact with the operator. We welcome them, provide friendly guidance on where they can moor, and explain how the payment process works for their stay. This personal interaction helps us prevent any vessels from arriving unnoticed or going unchecked, and it sets the tone that this is a well-managed harbor. During that first contact, we also politely go over our local harbor rules and expectations. We conduct a basic Coast Guard-style safety check to make sure the vessel is seaworthy and not discharging fuel, oil, or dirty bilge water into the harbor.

We do collect fees on our transient vessel moorings and have time limits (no more than seven (7) days in a thirty (30) day period) to prevent vessel owners from coming to our Harbor with the intention of abandoning their vessels.

13. Does your agency collaborate with neighboring SAVE grantees that manage abandoned and surrendered vessels? ○ Yes ◉ No

If yes, list agencies and describe collaboration.

**14. Does your agency have any special circumstances and/or conditions that contribute to abandoned vessels in your jurisdiction? Explain circumstances/conditions.**

We do see a number of outside vessels that come into Redondo Beach Harbor with the intention of abandonment. We believe our harbor's accessibility and convenient location play a role in that. We are an open and easy-to-navigate harbor, with direct access to nearby marine hardware stores, grocery stores, restaurants, and public facilities. Because of these amenities and the relatively low barriers to entry, it becomes an attractive spot for operators looking to quietly leave a vessel behind. We have had multiple cases where a boat was brought in and left with no follow-up from the owner. The City also has 25 transient vessel moorings that attract visitors from all over and can provide a safe haven for people and vessels. Therefore, vessels that may be near inoperable may come to Redondo Beach to be left behind by their owners. This trend makes the grant program especially important for us,

as it gives us the resources to clean up these vessels safely and responsibly.

Also, King Harbor has over 1,400 slips. Our Redondo Beach Marina has some 30+ year tenants with vessels that no longer operate or have no value to sell and some of these vessels have been abandoned in our Marina. We noticed this was especially an issue during COVID, when the owners could not pay their slip fees and could not pay to fix their vessels, and we deferred action because of the hardship caused by the pandemic, but we were left with vessels in our Marina that were inoperable.

**Objective 5: SNHAP**

Per HNC 525, when evaluating an application DBW shall give greater weight to applicants who have an existing SNHAP.

15. Does your agency have a Submerged Navigational Hazard Abatement Plan (SNHAP)? (●) Yes ( ) No

If Yes, attach copy. 45985_0_49_Redondo Beach_SNHAP.pdf

16. Summarize the detailed process in your SNHAP for the abatement of non-vessel related navigational hazards and commercial vessels.

Our Harbor Patrol actively maintains a Submerged Navigational Hazard Abatement Plan to ensure safe and efficient operations within the harbor. When a submerged navigational hazard, such as a sunken vessel, is identified, immediate action is taken to mitigate the danger. The vessel is raised and towed to the Marine Center for an emergency haul-out. In situations requiring technical expertise, we coordinate with the Los Angeles County Technical Rescue Team to support the recovery effort. While the hazard remains in the water, the area is secured with lights and buoys to mark its position. We also issue Coast Guard-approved maritime broadcasts using either "Sécurité, Sécurité, Sécurité" messages for safety alerts or "PAN-PAN" messages in urgent situations that do not involve immediate danger to life. These broadcasts help
inform the maritime community of any risks and ensure safe navigation. To expand outreach, our City utilizes RPV Alerts to notify mariners and local stakeholders via text and email about active hazards in the harbor. These alerts provide timely updates and promote situational awareness across the maritime community. Our harbor frequently experiences large floating debris such as logs, trees, and other natural or man-made obstructions that drift into the channel that pose significant threats to navigation. The Harbor Patrol uses its vessel to tow these objects to a designated hoist area, where they are removed from the water. Our Public Works Department then disposes of the debris properly to keep the channel clear and safe for navigation at all times. We recently completed a major dredging project to remove a large accumulation of sand that had built up over the years, forming a shoal within the harbor, and successfully cleared the main channel of a longstanding obstruction, restoring safe and unobstructed access for all vessels. In the event of a fuel, oil, or hazardous materials spill, our team is fully equipped with containment booms, absorbent pads, and other environmental response tools.

17. Identify the SNHAP's funding source for the control/abatement of **non-vessel related** water hazards, hazardous floating debris (such as logs), submerged objects and abandoned piers and pilings

Funding for SHNAP's control and abatement of non-vessel related hazards comes from the Harbor Patrol's budget, Public Works' Department budget, and the Waterfront and Economic Development

budget. All of these deparments collaborate on removal efforts and have dedicated funding sources for activities in the Harbor.

**Objective 3: Cost Effectiveness**

Has your agency been involved in abatement activities during the past 3 calendar years? (●) Yes ( ) No

If yes, provide the average cost to remove and destroy vessels in the chart below:

| | ABANDONED VESSELS | AVERAGE COST | |
|---|---|---|---|
| 18. | Vessels Less Than 30' | more than $3,000 | **LAST CALENDAR YEAR** |
| 18a. | Vessels Less Than 30' | $1,501 - $3,000 | **LAST 3 CALENDAR YEARS** |
| 19. | Vessels Greater Than 31' | $3,001 - $5,000 | **LAST CALENDAR YEAR** |
| 19a. | Vessels Greater Than 31' | $3,000 or less | **LAST 3 CALENDAR YEARS** |
| | **SURRENDERED VESSELS** | | |
| 20. | Vessels Less Than 30' | more than $1,000 | **LAST CALENDAR YEAR** |
| 20a. | Vessels Less Than 30' | more than $1,000 | **LAST 3 CALENDAR YEARS** |
| 21. | Vessels Greater Than 31' | more than $2,000 | **LAST CALENDAR YEAR** |
| 21a. | Vessels Greater Than 31' | more than $2,000 | **LAST 3 CALENDAR YEARS** |

22. Identify the last three CLOSED SAVE grants awarded and the percentage of unspent funding that was left in each grant.

**ONLY LIST CLOSED GRANTS**

| Closed SAVE grants year awarded | Amount Awarded | Percentage of funding left over |
|---|---|---|
| 2020 | | |
| 2021 | | |
| 2022 | | |

23. Identify the number of personnel currently working in the program with more than two years' experience managing the SAVE program. 2

24. What process/method/practice have you implemented in the last 24 months to reduce the grant program's cost of removing and destroying abandoned or surrendered vessels?

Through managing the SAVE-23 grant, we have implemented some processes to reduce to cost of removing and destroying abandoned and surrendered vessels. First, we have shopped around to find the least expensive licensed boat disposal company to contract with and are coordinating to have a few vessels removed at once to reduce costs. To reduce the towing costs, we use the Harbor Patrol and Redondo Beach Marina work skiff to tow vessels to the hoist and boatyard at no cost to the program. We also use the City-owned boat hoist for removing vessels under 27' out of the water, at no cost to the program. Also, we encourage tenants to refurbish older vessels and look to rehome any vessel that is still functioning and work with some local water focused non-profits. Also, we have conducted training for our Marina Operators and Harbor Patrol so they understand the requirements of the SAVE program so that we are effectively and efficiently managing the program.

25. Does your agency have additional funding sources (other than SAVE) for removal and disposal of abandoned vessels in the event you run out of grant funding or are not awarded the full grant request? (●) Yes ( ) No

If yes, list Public Works Budget, General Fund, partnerships

26. Does your or a partner agency have vessel storage capabilities that can be used by your agency at no cost to SAVE? ( ) Yes (●) No

27. Does your agency have access/ability to dispose of vessels at a local or neighboring landfill? (●) Yes ( ) No

28. What is the number of abandoned vessels in your jurisdiction that will be ready for disposal during this grant period, if awarded? 0

How were these vessels identified?

We currently do not have any abandoned vessels that are ready for disposal. There may be 1 or 2 abandoned vessels that emerge during the grant period based on historical trends, but as of now we are focused on the surrender vessel program to prevent abandoned vessels.

29. What is the number of surrendered vessels in your jurisdiction that will be ready for disposal during this grant period, if awarded? 16

How were these vessels identified?

We coordinated with our 4 Marina Operators and we currently have 16 vessels from across the 4 Marinas and our Google Form that are ready to be surrendered as soon as we receive

funding. We anticipate an additional 16 vessels a year participating in the program, based on the previous numbers. We have also increased our publicity efforts of the SAVE program and expect to maintain or exceed the previous number of vessels surrendered. We identify these vessels through a combination of failure to pay rent, expired registration, conditions of the vessel, etc.

30. Did you collaborate with marinas in your jurisdiction to identify the number of potential surrendered vessels listed in your budget? (●) Yes ( ) No

If yes, list marinas. King Harbor Marina (7 vessels ready to be surrendered), Port Royal Marina (4 vessels ready to be surrendered), Portofino Marina (0 vessels currently), Redondo Beach Marina (5 vessels ready to be surrendered), Redondo Beach Surrendered Vessel Google Form (1 vessel)

**Budget**

| List Identified Abandoned Vessels (CF #s) | VESSEL LENGTH | ESTIMATED COST |
|---|---|---|
| | | |
| | **Total** | |

| List Identified Surrendered Vessels (CF #s) | VESSEL LENGTH | ESTIMATED COST |
|---|---|---|
| CF-4675-SK | 30' | 3,500.00 |
| CF-8867-SK | 25' | 2,500.00 |
| CF-2893-JL | 30' | 3,500.00 |
| CF-5223-SK | 26' | 3,500.00 |
| CF-7962-RE | 28' | 3,500.00 |
| CF-5224-PG | 20' | 2,000.00 |
| CF-0271-CU | 28' | 3,500.00 |
| CF-9995-EE | 23' | 2,300.00 |
| CF-8568-SK | 28'6" | 2,850.00 |
| CF-6498-EB | 27' | 2,700.00 |
| CF-8808-PA | 27' | 3,775.00 |
| CF-7908-PT | 28' | 3,500.00 |
| CF-4601-GW | 20' | 2,500.00 |
| CF-0342-GD | 26' | 3,250.00 |
| CF-4213-FB | 27' | 3,375.00 |
| CF-3186-ER | 34' | 3,400.00 |
| | **Total** | 49,650.00 |

| Estimate Future Abandoned Vessels | Total number of vessels | APPROXIMATE VESSEL LENGTH | ESTIMATED COST |
|---|---|---|---|
| TBD | 2 | 30 | 6,000.00 |
| **Total** | 2 | | 6,000.00 |

Justification: We do not anticipate many, if any, abandoned vessels over the next 2 years. During the SAVE 23 grant timeline, we removed 3 abandoned vessels. We saw more abandoned vessels during COVID, as people did not have the resources to fix their vessels or dispose of the vessels. We have also hired a Harbor Master last year who helps to control and prevent abandoned vessels. However, we do see abandoned vessels from time to time because of our harbor's accessibility and convenient location and because it is open and easy-to-navigate. However, through our promotion of SAVE, we hope to minimize the number of abandoned vessels and encourage the surrendering of vessels.

| Estimate Future Surrendered Vessels | Total number of vessels | APPROXIMATE VESSEL LENGTH | ESTIMATED COST |
|---|---|---|---|
| TBD | 32 | 30 | 96,000.00 |
| **Total** | 32 | | 96,000.00 |

Justification:

For the SAVE 23 grant, we primarily worked with one of our Marina Operators to address derelict vessels in Basin 3 that were causing safety issues. During the SAVE 23 grant timeframe, we removed 11 surrendered vessels. We were only able to submit 6 of the vessel removals for reimbursement through SAVE because unfortunately we did not have the proof of registration from the owners to submit all of the invoices for reimbursement. We have since retrained the Marina Operators and Harbor Patrol about the required documents needed for surrendering vessels, and have created checklists for them as well. We have spent 97% of our SAVE 23 grant so far ($31,457.07 of $32,500) and we will utilize the remaining $1,042.93 of the grant before the grant term ends.

Over the last few months we have been promoting the program with all 4 of our Marina Operators to train them about the SAVE program and to help them promote the program. The 4 Marina Operators are very excited about the SAVE grant and have been actively promoting the program. For the SAVE 25 program, we are anticipating that about 16 vessels will be surrendered a year through the SAVE program. We anticipate this number for a variety of reasons. We currently have 16 vessels that are interested in being surrendered. These vessels were identified through a combination of means from our 4 marina operators and vessels submitted through the City's Google Form about the SAVE program that we advertise on our website. Since we have 16 vessels currently waiting, we feel that we would see an additional 16 vessels being interested in being surrendered over the first year of the grant program and an additional 16 vessels being surrendered over the second year of the program.

| | |
|---|---|
| **TOTAL GRANT** | 151,650 |
| **REQUEST PLUS 10%** | 15,165 |
| **AGENCY MATCH** | 15,165 |
| **TOTAL PROJECT COST** | 166,815 |

**1. Applicant Certification**

*Per Harbors and Navigation Code 525 (C) "A grant awarded by the department pursuant to subparagraph (A) shall be matched by a 10% contribution from the local agency receiving the grant." Matching fund may be rendered in cash, or through in-kind contributions which must be verified, and are at the discretion of DBW. These contributions may include (but are not limited to) the following: administrative costs, personnel hours, removal, and/or storage.*

*Grant monies WILL NOT be reimbursed by DBW unless 10% match for each reimbursement claim is met.*

a. ☑ Under penalty of perjury, I certify that I have examined this application and the document(s), proposal(s), and statement(s) submitted in conjunction herewith, and that to the best of my information and belief, the information contained herein is true, accurate, correct, and complete.

b. ☑ I certify that I am the person authorized to submit this application on behalf of the applicant.

| | | | | |
|---|---|---|---|---|
| Prepared by: | Name: | Katherine Buck | Date: | 04/29/2025 |
| Reviewed by: | Name: | Curt Mahoney | Date: | 04/29/2025 |
| Approving Officer: | Name: | Greg Kapovich | Date: | 04/29/2025 |

**RESOLUTION NO. CC -2511-084**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, AUTHORIZING A 2025-2026 FISCAL YEAR BUDGET MODIFICATION APPROPRIATING $50,000 IN GRANT FUNDS FROM THE CALIFORNIA DEPARTMENT OF PARKS AND RECREATION DIVISION OF BOATING AND WATERWAYS, GRANT NUMBER C25S0607 TO THE CITY'S WATERFRONT & ECONOMIC DEVELOPMENT DEPARTMENT BUDGET FOR THE DISPOSAL OF ABANDONED OR SURRENDERED VESSELS IN KING HARBOR**

WHEREAS, it is the intention of the City Council of the City of Redondo Beach ("City Council") to review the adopted budget from time to time;

WHEREAS, the City of Redondo Beach ("City") was awarded $50,000 in grant funding from the California Department of Parks and Recreation Division of Boating and Waterways ("DBW") under the FY 2025/26 Surrendered and Abandoned Vessel Exchange (SAVE-25) Grant Agreement, Grant No. C25S0607 to assist in the disposal of abandoned or surrendered vessels;

WHEREAS, the purpose of these grant funds is to reimburse the City for the costs of disposing surrendered and abandoned vessels within King Harbor;

WHEREAS, the City's adopted budget needs to be modified to appropriate funds from outside sources for proposed expenditures; and

WHEREAS, the City's Waterfront & Economic Development Department will manage these grant funds and oversee the projects funded through the DBW.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. That conditions have arisen during the 2025-2026 budget year that require budget modifications and, upon recommendation of the City Manager, the budget as adopted for Fiscal Year 2025-2026 is modified as follows:

> Fifty thousand dollars ($50,000) from the California Department Parks and Recreation, Division of Boating and Waterways, Grant No. C25S0607 shall be appropriated to the City's Waterfront & Economic Development Department in the Intergovernmental Grants Fund.

SECTION 2. Pursuant to Section 11(f) of the City Charter, the City Clerk is hereby directed and instructed to correct the budget records of said City for Fiscal Year 2025-2026 in accordance with the above modification.

SECTION 3. The City Clerk shall certify to the passage and adoption of this resolution, shall enter the same in the Book of Original Resolutions.

PASSED, APPROVED AND ADOPTED this 4th day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

ATTEST:

_____
Eleanor Manzano, CMC, City Clerk

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) ss
CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Redondo Beach, California, do hereby certify that Resolution No. CC-2511-084 was passed and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4th day of November, 2025, and thereafter signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Eleanor Manzano, CMC
City Clerk

# Administrative Report

H.11., **File #** 25-1490 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

## TITLE

ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-084, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPOINTING AN ADVISORY BOARD IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT AND DIRECTING THE PREPARATION OF A REPORT FOR CALENDAR YEAR 2026

ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-085, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE REPORT OF THE ADVISORY BOARD FOR CALENDAR YEAR 2025 IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT

ADOPT BY TITLE ONLY, RESOLUTION NO. CC-2511-086, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DECLARING ITS INTENTION TO LEVY AN ASSESSMENT AGAINST BUSINESSES WITHIN THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT FOR CALENDAR YEAR 2026 AND SETTING A TIME AND PLACE FOR HEARING OBJECTIONS THERETO; AND

SET NOVEMBER 18, 2025 AT 6:00 PM AS THE DATE AND TIME FOR THE PUBLIC HEARING ON THE LEVY OF THE PROPOSED ASSESSMENTS

## EXECUTIVE SUMMARY

The Riviera Village Business Improvement District (BID) was established by the City Council in 2003. The BID operates on a year-to-year basis with an annual expiration on December 31. In accordance with State law pertaining to business improvement districts, each year City Council must appoint a non-profit organization to serve as the Advisory Board to manage BID funds and implement improvements and programs. Historically, the City Council has appointed the Riviera Village Association to manage the BID. The Advisory Board appears annually before City Council to deliver a report that identifies improvements and activities proposed by the BID for the upcoming calendar year (2026) and highlights the accomplishments of the current calendar year (2025).

City Council action must be taken to consider resolutions at the November 4, 2025 City Council meeting approving the attached 2025 report, re-appointing the Advisory Board for calendar year 2026, and directing the re-appointed Advisory Board to prepare a report for calendar year 2026. A third resolution must be considered to set a time and place for a public hearing to consider a levy of assessment against businesses within the BID for calendar year 2026. Staff has set the public hearing to occur within City Council chambers at a regular meeting of the City Council on November 18, 2025 at 6:00 PM. A presentation on the BID's 2025 activities will also be provided as part of the November 18 Public Hearing.

## BACKGROUND

The Riviera Village Association has historically been appointed by the City Council to serve as the BID's Advisory Board. The Riviera Village Association has prepared its annual report for 2025, identifying improvements, activities, and associated costs proposed within the BID for upcoming calendar year 2026. The report also includes highlights and accomplishments to date for calendar year 2025. City Council action must be taken to consider two resolutions to approve the 2025 report, re-appoint the Riviera Village Association as the BIDs Advisory Board, and direct the Advisory Board to prepare a report for 2026.

The Advisory Board is also tasked with advising the City Council on the method and basis for the yearly levy of assessments against businesses to fund improvements and activities. BID funds are collected from businesses in the district by the City via the annual business license renewal process. Historically, the BID has distributed funds according to the following allocation: 50% for beautification, 40% for marketing, and 10% for administration. The Advisory Board does not recommend any changes to the existing assessment, which would remain as follows: each business license holder is assessed a base fee of $125 plus a fee of $34 per employee per year for a maximum assessment of $1,400. Those licensees who are property owner, are assessed on a per unit basis and pay a base fee of $125 plus $34 per rental unit per year for a maximum assessment of $1,400. As examples, a licensee with 10 employees would pay a total annual assessment of $465, and a licensee with no employees would pay a total annual assessment of $125. A licensed property owner with four rental units would pay an annual assessment of $261. The assessment is expected to bring in $106,000 in revenue for 2026. The levy of the assessment must be considered at a public hearing.

A third resolution is under City Council consideration to set the time and place of the public hearing to occur within City Council chambers at a regular meeting of the City Council on November 18, 2025 at 6:00 PM. A verbal presentation on the BID's attached 2025 report will also be provided as part of the November 18 Public Hearing. Staff recommends City Council adopt all three resolutions approving the 2025 report, re-appointing the Riviera Village Association as Advisory Board, directing the Advisory Board to prepare a report for calendar year 2026, and setting a time and place for a public hearing to levy an assessment to participating businesses.

The following serves as a summary to the attached 2025 activities report:

## CALENDAR YEAR 2025 ACCOMPLISHMENTS

Parklet Program

The parklet program continues to be managed by the Riviera Village Association in 2025. Though parklet utilization can wane in the cooler weather, most restaurants opted to remain in the program to

take advantage of summer and fall popularity. The parklets aesthetics refurbishment is wearing well and provides a cohesive clean look to the BID area. BID board meetings are well attended, and the parklet program has been associated with higher sales activity, per BID reports.

Beautification Funds

The BID funded the building and installation of four sidewalk planter boxes with drought tolerant plants located on the east side of South Catalina Avenue between Vista Del Mar and Avenida Del Norte, and one on the east side of S Catalina Ave. The planter boxes replaced areas that were either barren or had unsightly overgrown weeds and dying plants. The BID continues to maintain/replenish planter boxes along Catalina Ave, Avenue I, Avenida Del Norte and Elena which enhances the look of Riviera Village to foster placemaking. New “Shop, Dine, Relax” street banners are expected to be installed soon as the BID coordinates the timing of installation with Public Works receipt of new banner bracket hardware.

Joint Projects with the City

The RVA has managed several projects successfully and continues to be a reliable partner to the City. The RVA coordinates with City staff regularly, including at the monthly BID board meetings. In 2025, the City added pavers and landscaping to Avenida Del Norte. An ongoing item that both sides continue to work towards includes the installation of permanent retractable bollards in key areas of Riviera Village for ease of street closures and pedestrian safety during community events.

**MARKETING/PROMOTIONAL FUNDS**

The RVA BID has moved a project forward geared towards educating the public about the BID through a marketing campaign that will coincide with event and project fundraising. To accomplish this, the BID has hired a qualified consultant to assist with a workshop. The session focused on leadership, values, mission, goals, vision, and produced a draft mission statement, which is as follows:

*“The RVA strives to create a welcoming and vibrant community by collaborating with local businesses and the City to enhance public spaces and create economic vitality while maintaining its village charm.”*

The workshop and creation of a mission statement will be followed by a professionally produced video.

The BID also has a current digital ad plan that is focused on maintaining a steady increase in social media followers, raising overall awareness, informing the community of Village-wide events/business events, and featuring local business owners. Since 2017, the RVA’s marketing has been managed by a paid local professional whose responsibilities include social media, email marketing, website content management, project management, and other content creation. This includes advertising to promote restaurants, retailers, service businesses, the farmer’s market, and large-scale community events.

**SIGNATURE EVENTS**

Halloween Trick or Treat & Holiday Stroll

The 2025 Riviera Village Halloween Trick or Treat took place on October 31, 2025. The event included a street closure allowing visitors to walk the village in costume with their family and collect

Halloween treats in a safe environment closed to motor vehicles.

The RVA partnered with local sponsors to celebrate the Holiday Stroll which helped offset event costs. The event team organized various attractions including interactive photo studios with classic holiday characters and inflatables for kids. The event also featured a DJ with holiday music, up lighting on palm trees, and snowflakes projected on the asphalt. Santa and the Grinch appeared in a vintage fire truck led by members of the Redondo Union High School marching band. The event drew several thousand attendees.

Riviera Village Summer Festival

The Riviera Village Summer Festival returned the last week of June 2025 with a schedule enhancement and attendance was strong all three days. The 2025 festival earned the RVA $60,000 versus $39,000 in 2024.

Merchant Mixers

RVA Merchant Mixers are held twice per year in April and November at a Riviera Village restaurant. The mixers provide a networking opportunity to meet fellow business owners, talk with BID Board members, and discover the restaurants available in the BID. At the September 15, 2025 Board Meeting, it was decided to increase mixers to four times per year.

Certified Farmers Market

The BID continues to support the Certified Farmers Market located in the Triangle Parking Lot on Sunday and features family friendly entertainment and live music. The Kids Zone continues in 2025 and provides a place for parents and kids to craft and play. The manager of the Farmers Market has curated a higher caliber and diverse vendor selection, focusing on organic farmers and a quality shopping experience, and the market continues to be a source of income for the BID.

**ADMINISTRATIVE FUNDS**

The coordinator of the BID Board was hired in January 2022. The coordinator is working well and helps maintain needed consistency. She is responsible for creating board meeting agendas, inviting outside guests to board meetings, notifying board members of meetings, assisting the board secretary with meeting minutes, organizing the annual report and other projects as needed. Board members continue in their additional volunteer positions managing specific village tasks and projects. Examples are: plant maintenance, lamp post banners/holiday decor, insurance, mixers and events.

**INSURANCE POLICIES**

The BID’s City-mandated General Liability Insurance was renewed for the upcoming year, along with the policy covering Liability Insurance for the Officers and Directors. A Certificate of Insurance for Events (Outside Dining Parklets & Sidewalk Sale during COVID-19) is in place as well.

**PROJECTS/GOALS ANTICIPATED FOR CALENDAR YEAR 2026**

The BID is working, as needed, with the City of Redondo Beach and the Coastal Commission on recently proposed plans to widen sidewalks on S Catalina, incorporate parallel parking within the right-of-way, and the creation of new bike lanes. The intention of wider sidewalks is to transition to sidewalk dining and remove the temporary parklets. Another BID goal is enhanced beautification on Avenida Del Norte. Additionally, an ongoing goal is to add a unique feature to the village with a Roundabout at Catalina Ave & Avenue I to improve traffic flow. The BID's current long-term goal is to continue vetting possible solutions to the short-term and long-term parking challenges within the

Village.

## COORDINATION

The Riviera Village BID renewal is coordinated by the Waterfront and Economic Development Department, with assistance from the City Manager's Office, City Attorney's Office, and the Financial Services Department.

## FISCAL IMPACT

The BID enhances spaces in the public right-of-way and provides supplemental services in common areas that would otherwise fall to the City to maintain. BID assessments are restricted for use exclusively by the BID and must be reported to the City Council annually. It is anticipated that the BID's annual activities encourage activity and retail growth in the area and result in additional sales tax revenue for the City.

## APPROVED BY:

*Mike Witzansky, City Manager*

## ATTACHMENTS

- Reso - No. CC-2511-085 Approving the Report of the Advisory Board for Calendar Year 2025
- Reso - No. CC-2511-086 Declaring Intent to Levy Assessment for upcoming Calendar Year 2026
- Reso - No. CC-2511-084 Appointing an Advisory Board for upcoming Calendar Year 2026 and directing Advisory Board to prepare a report for 2026
- Report - Calendar Year 2025 Annual Report & Financials - Riviera Village Association

**RESOLUTION NO. CC-2511-085**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING THE REPORT OF THE ADVISORY BOARD FOR CALENDAR YEAR 2025 IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT**

WHEREAS, the Parking and Business Improvement Area Law of 1989, California Streets and Highways Code Sections 36500 et seq. (the "Law"), authorizes the City Council of the City of Redondo Beach to establish a business improvement district and to levy an assessment against businesses within such business improvement district which is in addition to any assessments, fees, charges, or taxes imposed in the City; and

WHEREAS, pursuant to the Law, by its Ordinance No. 2922-03 the City Council established the Riviera Village Business Improvement District (the "District") in the City of Redondo Beach; and

WHEREAS, the Law requires the City Council to appoint an advisory board which shall make recommendations to the City Council on the expenditure of revenues derived from the levy of assessments, on the classification of businesses, as applicable, and on the method and basis of levying the assessments against businesses within the District; and

WHEREAS, by previous resolution, pursuant to Section 36530 of the Law, the City Council appointed certain individuals to serve as the Advisory Board for the District (the "Advisory Board") and directed the Advisory Board to prepare and file with the City Clerk a report in connection with the proposed levy of an assessment against businesses in the District for Calendar Year 2025; and

WHEREAS, in accordance with Section 36533 of the Law, the Advisory Board has prepared and filed with the City Clerk, and the City Clerk has presented to the City Council, a report entitled "Riviera Village Business Improvement District Annual Report 2025" (the "Report").

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council of the City of Redondo Beach has examined and reviewed the Report, and such Report is hereby preliminarily approved as filed.

SECTION 2. The City Clerk shall certify to the passage and adoption of this resolution and shall enter the same in the Book of Original Resolutions.

PASSED, APPROVED and ADOPTED this 4th day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

ATTEST:

_____
Eleanor Manzano, City Clerk

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) ss
CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Beach, California, do hereby certify that Resolution No. CC-2511-085 was passed and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4th day of November, 2025, and there after signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Eleanor Manzano, CMC
City Clerk

**RESOLUTION NO. CC-2511-086**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DECLARING ITS INTENTION TO LEVY AN ASSESSMENT AGAINST BUSINESSES WITHIN THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT FOR CALENDAR YEAR 2026 AND SETTING A TIME AND PLACE FOR HEARING OBJECTIONS THERETO**

WHEREAS, the Parking and Business Improvement Area Law of 1989, California Streets and Highways Code Sections 36500 et seq. (the "Law"), authorizes the City Council of the City of Redondo Beach to establish a business improvement district and to levy an assessment against businesses within such business improvement district which is in addition to any assessments, fees, charges, or taxes imposed in the City; and

WHEREAS, pursuant to the Law, the City Council adopted Ordinance No. 2922-03 establishing the Riviera Village Improvement District (the "District") in the City of Redondo Beach; and

WHEREAS, by previous resolution, pursuant to Section 36530 of the Law, the City Council appointed certain individuals to serve as the Advisory Board for the District (the "Advisory Board") and directed the Advisory Board to prepare and file with the City a report in connection with the proposed levy of an assessment against businesses within the District for Calendar Year 2026; and

WHEREAS, in accordance with Section 36533 of the Law, the Advisory Board prepared and filed with the City Clerk a report entitled "Riviera Village Business Improvement District Annual Report 2025" (the "Report"), and, by previous resolution, the City Council preliminarily approved such Report as filed; and

WHEREAS, the boundaries of the District include all territory described in Exhibit "A" attached hereto and incorporated herein by reference.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. The City Council hereby declares its intention, in addition to any assessments, fees, charges, or taxes imposed by the City, to levy and collect an assessment against businesses within the District for Calendar Year 2026 (January 1, 2026 to December 31, 2026). Such assessment is not proposed to increase from the assessment levied and collected for Calendar Year 2025. The method and basis of levying the assessment is set forth in Exhibit "B" attached hereto and incorporated herein by reference.

SECTION 2. The types of improvements to be funded by the levy of an assessment against businesses within the District are the acquisition, construction, installation, or maintenance of any tangible property with an estimated useful life of five years or more. The types of activities to be funded by the levy of an assessment against businesses within the District are activities which benefit businesses located in and operating in the District.

SECTION 3. Non-profit organizations with documentation of non-profit status shall not be subject to this assessment.

SECTION 4. The City Council hereby fixes the time and place for a public hearing on the proposed levy of an assessment against businesses within the District for Calendar Year 2026 as follows:

TIME: 6:00p.m., or as soon thereafter as practical
DATE: November 18, 2025
PLACE: City Council Chambers, 415 Diamond Street, Redondo Beach, California 90277

At the public hearing, the testimony of all interested persons regarding the levy of an assessment against businesses within the District for Calendar Year 2026 shall be heard. A protest may be made orally or in writing by any interested person.

Any protest pertaining to the regularity or sufficiency of the proceedings must be in writing and shall clearly set forth the irregularity or defect to which the objection is made. Every written protest must be filed with the City Clerk at or before the time fixed for the public hearing. The City Council may waive any irregularity in the form or content of any written protest and, at the public hearing, may correct minor defects in the proceedings. A written protest may be withdrawn in writing at any time before the conclusion of the public hearing.

Each written protest must contain a description of the business in which the person subscribing the protest is interested sufficient to identify the business and, if a person subscribing is not shown on the official records of the City as the owner of the business, the protest shall contain or be accompanied by written evidence that the person subscribing is the owner of the business. A written protest which does not comply with these requirements will not be counted in determining a majority protest.

If, at the conclusion of the public hearing, written protests are received from the owners of businesses in the District which will pay 50 percent or more of the assessments proposed to be levied and protests are not withdrawn so as to reduce the protests to less than that 50 percent, there is a majority protest, and no further proceedings to levy the proposed assessment, as contained in this resolution of intention, shall be taken for a period of one year from the date of the finding of a majority protest by the City Council. If the majority protest is only against the furnishing of a specified type or types

of improvement or activity within the District, those types of improvements or activities shall be eliminated.

SECTION 5. For a full and detailed description of the improvements and activities to be provided for 2026 Calendar Year, the boundaries of the District, and the proposed assessments to be levied against the businesses within the District for Calendar Year 2026, reference is hereby made to the Riviera Village Annual Report 2025. The Report is on file with the City Clerk and open to public inspection.

SECTION 6. The City Clerk is hereby authorized and directed to provide notice of the public hearing in accordance with law.

SECTION 7. The City Council finds that this action is not a project under the California Environmental Quality Act and, therefore, no environmental impact assessment is necessary.

SECTION 8. The City Clerk shall certify to the passage and adoption of this resolution and shall enter the same in the Book of Original Resolutions.

PASSED, APPROVED and ADOPTED this 4th day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM: ATTEST:

_____ _____
Joy A. Ford, City Attorney Eleanor Manzano, City Clerk

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) ss
CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Beach, California, do hereby certify that Resolution No. CC-2511-086 was passed and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4th day of November, 2025, and there after signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Eleanor Manzano, CMC
City Clerk

## Exhibit A

District Boundaries

The exterior boundaries of the Riviera Village Business Improvement District are all operating businesses within the area generally described as follows:

Beginning at the NW corner of Catalina Avenue and Palos Verdes Blvd and proceeding north to include both sides of Catalina Avenue up to and including the north side of Avenue I, proceeding east to South Elena Avenue, north on South Elena Avenue up to but not including the MJ Building (1611 South Elena Avenue) on the west side, south on South Elena Avenue from and including the service station located at 1630 South Elena Avenue to Catalina Avenue and north on Catalina Avenue back to Palos Verdes Boulevard. Businesses located at 102 Via Valencia, 104 Via Valencia and 245 Palos Verdes Boulevard are not included within the BID boundary, and specifically described as:

A BUSINESS IMPROVEMENT DISTRICT IN THE CITY OF REDONDO BEACH, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, THE BOUNDARIES OF WHICH ARE MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEASTERLY CORNER OF LOT 7, BLOCK 17, TRACT 2546, AS RECORDED IN MAP BOOK 26, PAGES 4 AND 5, IN SAID COUNTY RECORDER'S OFFICE, THENCE; WESTERLY, 141.15 FEET, ALONG THE NORTHERLY PROPERTY LINE OF SAID LOT 7 TO THE NORTHWESTERLY CORNER OF SAID LOT 7, THENCE; NORTHERLY, ALONG THE WESTERLY PROPERTY LINE OF SAID LOT 7 AND LOT 6, SAID BLOCK 17, TO THE POINT OF INTERSECTION OF SAID WESTERLY PROPERTY LINE OF SAID LOT 6, AND THE EASTERLY PROLONGATION OF THE NORTHERLY PROPERTY LINE OF L0112, SAID BLOCK 17, THENCE; WESTERLY, ALONG SAID PROLONGATION OF THE NORTHERLY PROPERTY LINE OF SAID LOT 12, TO THE NORTHEASTERLY CORNER OF SAID LOT 12, THENCE; WESTERLY ALONG THE NORTHERLY PROPERTY LINE OF SAID LOT 12, LOTS 13 AND 14, SAID BLOCK 17, LOTS 2 AND 1, PARCEL MAP 8099, AS RECORDED IN PARCEL MAP BOOK 82, PAGE 38, IN SAID COUNTY RECORDER'S OFFICE, LOTS 17, 18, 19, 20, 21. 22, 23 AND 24, SAID BLOCK 17, TO THE NORTHWESTERLY CORNER OF SAID LOT 24, THENCE; SOUTHERLY, ALONG THE WESTERLY PROPERTY LINE OF SAID LOT 2410 THE POINT OF INTERSECTION OF SAID WESTERLY PROPERTY LINE OF SAID LOT 24 AND THE EASTERLY PROLONGATION OF THE NORTHERLY PROPERTY LINE OF LOT 25 SAID BLOCK 17, THENCE; WESTERLY, 150 FEET, ALONG SAID NORTHERLY PROPERTY LINE OF SAID LOT 25 TO THE NORTHWESTERLY CORNER OF SAID LOT 25, THENCE; NORTHWESTERLY, TO THE NORTHEASTERLY CORNER OF LOT 1, TRACT 32347, AS RECORDED IN MAP BOOK 1033, PAGES 21 THRU 24 INCLUSIVE, IN SAID COUNTY RECORDER'S OFFICE, THENCE; WESTERLY, 150.07 FEET, ALONG THE NORTHERLY PROPERTY LINE OF SAID LOT 1, SAID TRACT 32347, TO THE NORTHWESTERLY CORNER OF SAID LOT 1, SAID TRACT 32347, THENCE SOUTHERLY, 135.03 FEET, ALONG THE WESTERLY PROPERTY LINE OF SAID LOT 1, SAID TRACT 32347, TO THE SOUTHWESTERLY CORNER OF SAID LOT 1, SAID TRACT 32347, THENCE; SOUTHERLY, TO A POINT ON THE WESTERLY PROPERTY LINE OF LOT 3, BLOCK "A", TRACT 10303, AS RECORDED IN MAP BOOK 152, PAGES 34 THRU

37 INCLUSIVE, IN SAID COUNTY RECORDER'S OFFICE, SAID POINT BEING 100.08 FEET NORTHERLY, ALONG SAID WESTERLY PROPERTY LINE OF SAID LOT 3, SAID BLOCK "A", FROM THE SOUTHWESTERLY CORNER OF SAID LOT 3, SAID BLOCK "A", THENCE; SOUTHERLY, RESOLUTION NO. CC-2312-128 A RESOLUTION DECLARING ITS INTENTION TO LEVY AN ASSESSMENT FOR FISCAL YEAR 2024 PAGE NO. 6 100.08 FEET FROM SAID POINT TO THE SOUTHWESTERLY CORNER OF SAID LOT 3, SAID BLOCK "A", THENCE; EASTERLY, 11 5.60 FEET, ALONG THE PROPERTY LINE OF LOTS 3, 2 AND 1, SAID BLOCK "A", TO THE SOUTHEASTERLY CORNER OF SAID LOT 1, SAID BLOCK "A", THENCE; SOUTHERLY, 20.14 FEET, TO THE NORTHWESTERLY CORNER OF LOT 2, TRACT 11920, AS RECORDED IN MAP BOOK 256, PAGES 21 AND 22, IN SAID COUNTY RECORDER'S OFFICE, THENCE; SOUTHERLY, 637.63 FEET, ALONG THE WESTERLY PROPERTY LINE OF LOTS 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, AND 12, SAID TRACT 11920, TO THE SOUTHWESTERLY CORNER OF SAID LOT 12, SAID TRACT 11920, THENCE; SOUTHERLY, TO THE NORTHWESTERLY CORNER OF LOT 1, BLOCK “I” SAID TRACT 10303, THENCE, S 26°26’10”E, 590.00 FEET, ALONG THE WESTERLY PROPERTY LINE OF LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 AND 19, SAID BLOCK "I", TO THE POINT OF INTERSECTION OF THE SOUTHEASTERLY PROLONGATION OF THE WESTERLY PROPERTY LINE OF SAID LOT 19, SAID BLOCK “I” AND THE NORTHERLY PROPERTY LINE OF LOT 20, SAID BLOCK “I”, THENCE, S 63°33’50” W, 20 FEET FROM SAID POINT OF INTERSECTION ALONG THE NORTHERLY PROPERTY LINE OF SAID LOT 20, SAID BLOCK “I”, THENCE; S 31°22’28” W, 28.16 FEET, ALONG THE NORTHWESTERLY PROPERTY LINE OF SAID LOT 20, SAID BLOCK "I", THENCE; SOUTHEASTERLY, ALONG THE SOUTHWESTERLY PROPERTY LINE OF SAID LOT 20, SAID BLOCK "I”, TO THE POINT OF INTERSECTION OF THE SOUTHEASTERLY PROLONGATION OF SAID SOUTHWESTERLY PROPERTY LINE OF SAID LOT 20, SAID BLOCK "I", AND THE SOUTHERLY BOUNDARY LINE OF THE CITY OF REDONDO BEACH, SAID TRACT 10303, THENCE; NORTHEASTERLY ALONG SAID BOUNDARY LINE TO THE POINT OF INTERSECTION OF SAID BOUNDARY LINE AND THE SOUTHEASTERLY PROLONGATION OF SOUTHWESTERLY PROPERTY LINE OF LOT 20, BLOCK “B”, SAID TRACT 10300, THENCE; NORTHWESTERLY ALONG SAID SOUTHEASTERLY PROLONGATION OF SAID SOUTHWESTERLY PROPERTY LINE OF SAID LOT 20, SAID BLOCK “B” TO THE NORTHWESTERLY CORNER OF SAID LOT 20, SAID BLOCK "B", THENCE; S 40°18’16” W, ALONG THE NORTHWESTERLY PROPERTY LINE OF LOTS 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33, AND 36, SAID BLOCK “B” TO THE POINT OF INTERSECTION OF THE NORTHEASTERLY PROLONGATION OF SAID NORTHWESTERLY PROPERTY LINE OF SAID LOTS 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 32, 33 AND 36, SAID BLOCK “B”, AND THE SOUTHEASTERLY PROLONGATION OF THE SOUTHWESTERLY PROPERTY LINE OF LOT 2 SAID BLOCK “B”, THENCE; NORTHWESTERLY ALONG SAID SOUTHWESTERLY PROPERTY LINE OF SAID LOT 2, SAID BLOCK “B”, 65 FEET, THENCE; N 36°41’13” E, 139.65 FEET, TO A POINT ON THE SOUTHWESTERLY PROPERTY LINE OF LOT 19, BLOCK "A”, SAID TRACT 10300, THENCE; SOUTHEASTERLY ALONG SAID SOUTHWESTERLY PROPERTY LINE OF SAID LOT 19, SAID BLOCK " A” TO THE SOUTHERLY BOUNDARY LINE OF THE CITY OF REDONDO BEACH, THENCE NORTHEASTERLY ALONG SAID BOUNDARY LINE TO THE POINT OF INTERSECTION OF SAID BOUNDARY LINE AND THE WESTERLY BOUNDARY LINE OF

PACIFIC COAST HIGHWAY, SAID WESTERLY BOUNDARY LINE OF PACIFIC COAST HIGHWAY BEING A CURVE CONCAVE TO THE NORTHEAST, CONCENTRIC WITH AND HAVING A RADIUS 100 FEET LONGER THAN THE SOUTHWESTERLY BOUNDARY LINE OF BLOCK 4, TRACT 12836, AS RECORDED IN MAP BOOK 254, PAGES 25 THRU 28 INCLUSIVE, IN SAID COUNTY RECORDER'S OFFICE, THENCE; NORTHWESTERLY, ALONG SAID WESTERLY BOUNDARY LINE OF PACIFIC COAST HIGHWAY, TO THE POINT OF INTERSECTION OF SAID WESTERLY BOUNDARY LINE OF PACIFIC COAST HIGHWAY AND THE EASTERLY PROLONGATION OF THE NORTHERLY PROPERTY LINE OF SAID LOT 7, SAID BLOCK 17, THENCE; WESTERLY, ALONG SAID EASTERLY PROLONGATION OF THE NORTHERLY PROPERTY LINE OF SAID RESOLUTION NO. CC-2312-128 A RESOLUTION DECLARING ITS INTENTION TO LEVY AN ASSESSMENT FOR FISCAL YEAR 2024 PAGE NO. 7 LOT 7, SAID BLOCK 1710 THE POINT OF BEGINNING.

**Exhibit B**
Assessment of Formula
(Method and Basis of Assessment)

The proposed assessment, Ordinance No. 3284-24 was approved by Council on 11/12/2024 is as follows: The proposed method and basis of levying the assessment for funding the improvements and activities of the Riviera Village Business Improvement District shall be that all license holders (with the exception of non-profit organizations who elect not to participate in the BID) will annually be assessed a base of $125 plus a fee of $34 per employee per year to a maximum assessment of $1,400 per year. Those licensees who are property owners and are assessed on their business license fees on a per unit basis shall pay BID assessments of $125 plus $34 per rental unit per year with a maximum assessment of $1,400 per year. For purposes of this assessment the number of employees will be that reported on City Business Licenses.

**RESOLUTION NO. CC-2511-084**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPOINTING AN ADVISORY BOARD IN CONNECTION WITH THE RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT AND DIRECTING THE PREPARATION OF A REPORT FOR CALENDAR YEAR 2026**

WHEREAS, the Parking and Business Improvement Area Law of 1989, California Streets and Highways Code Sections 36500 et seq., (the "Law"), authorizes the Redondo Beach City Council to establish a business improvement district and to levy an assessment against businesses within such business improvement district which is in addition to any assessments, fees, charges, or taxes imposed in the City; and

WHEREAS, pursuant to the Law, by its Ordinance No. 2922-03 the City Council established the Riviera Village Business Improvement District (the "District") in the City of Redondo Beach; and

WHEREAS, the City Council is undertaking proceedings to levy an assessment against businesses within the District for the BID Calendar Year 2026 (commencing January 1, 2026, and ending December 31, 2026); and

WHEREAS, the Law requires the City Council to appoint an advisory board which shall make recommendations to the City Council on the expenditure of revenues derived from the levy of assessments, on the classification of businesses, as applicable, and on the method and basis of levying the assessments against businesses within the District.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. Pursuant to Section 36530 of the Law, the City Council hereby appoints the Board of Directors of the Riviera Village Association, a non-profit California corporation, to serve as the Advisory Board for the District (the "Advisory Board").

SECTION 2. The City Council hereby directs the Advisory Board to prepare and file with the City Clerk, in accordance with Section 36533 of the Law, a report for Calendar Year 2026 in connection with the proposed levy of an assessment against businesses within the District for Calendar Year 2026.

SECTION 3. That the City Clerk shall certify to the passage and adoption of this resolution and shall enter the same in the Book of Original Resolutions.

PASSED, APPROVED and ADOPTED this 4th day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM:

_____
Joy A. Ford, City Attorney

ATTEST:

_____
Eleanor Manzano, City Clerk

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) ss
CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Beach, California, do hereby certify that Resolution No. CC-2511-084 was passed and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4th day of November, 2025, and there after signed and approved by the Mayor and attested by the City Clerk, and that said resolution was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
Eleanor Manzano, CMC
City Clerk

RIVIERA VILLAGE

PO Box 3853, Redondo Beach CA 90277

info@rivieravillage.net | www.rivieravillage.net

*Annual Report 2025-2026*

## RIVIERA VILLAGE BUSINESS IMPROVEMENT DISTRICT ANNUAL REPORT 2025-2026

The Riviera Village Business Improvement District (BID) advisory Board hereby requests that the City Council of the City of Redondo Beach authorize the continuance of a Parking and Business Improvement District in the Riviera Village area of Redondo Beach in accordance with the State Law of 1989 (36500 of the Streets and Highway Code). The BID Advisory Board further requests that the Mayor and City Council generally include the following in any Resolution of Intention considered for adoption at the Redondo Beach City Council meeting on November 4, 2025.

### BYLAWS

On October 15, 2024 per Article 11 of the RVA's ByLaws ("Amendments to bylaws"), the BID Advisory Board amended the bylaws at a regular meeting by a majority of the Board members present at the meeting. The modified text is copied into the bylaws with the original, as required per Article 11. The amended bylaws document is included as "Exhibit A".

### DISTRICT NAME

The name of the BID is "Riviera Village Business Improvement District".

### DISTRICT BOUNDARIES

The district boundaries will remain unchanged.

### PROPOSED ASSESSMENT

The assessment will remain unchanged for Calendar year 2026. However, it has not been confirmed by the City of Redondo Beach that the increased assessment Ordinance No. 3284-24 approved by council on November 12, 2024 have been charged to license holders in 2025.

Each business license holder pays a base fee of $125 plus $34 per employee/unit with a cap at $1,400 per license.

## METHOD OF COLLECTION

The assessment will be billed, accounted for and collected by the City. All BID funds collected by the City will be turned over to the BID in a timely manner consistent with the Agreement for Project Services executed between the City of Redondo Beach and the Riviera Village Association. The amount of fees collected quarterly through the BID in 2025 is $69,228, of which we seek formal reporting to maintain transparency in our record keeping. Four payments have been received.
**1**) Q1: $19,403 **2**) Q2: $13,797 **3**) Q3: $18,424 **4**) Q4: $17,604.

## INCOME/FUNDS DISTRIBUTION

Traditionally, the RVA has an annual budget earmarked with the following ratio of expenses as it relates to total income, which is variable: Administration : 10%, Marketing : 40%, Beautification & Maintenance : 50%. Please see the attached reports for 2025 Actuals in addition to 2026 Projections (Exhibits B & C). The Board does not desire to change the allocation or ratio of expenses for 2026.

## PARKLET PROGRAM

The parklet program continues to be managed successfully by the Riviera Village Association in 2025. Parklets utilization has waned in the cooler weather. Regardless, most restaurants, with the exception of two, opted to remain in the program to take advantage of summer and fall popularity. The 2023 parklets aesthetics refurbishment is wearing well and provides a cohesive clean look to the Village landscape that consumers love. District 1 Council Member Brad Waller attends BID board meetings reporting the parklet program continues to increase tax revenue to the City of Redondo Beach.

The current Village-wide parklet permit expires July 1, 2026 under the 12th amendment issued December 7, 2023.

## BEAUTIFICATION

The BID funded the build and install of four sidewalk planter boxes with drought tolerant plants located on the east side of South Catalina Avenue between Vista Del Mar and Avenida Del Norte and one on the east side of S Catalina in front of 1713 S Catalina Ave. The vibrant planter boxes replace former planting areas that were either barren or had unsightly overgrown weeds and dying plants. The BID continues to work with its landscaping company to maintain/replenish planter boxes along Catalina Ave, Avenue I, Avenida del Norte and Elena which enhances the look of Riviera Village to better reflect the clientele we serve. New “Shop, Dine, Relax” lamppost banners are ready for production. The RVA BID is coordinating the timing with Public Work’s receipt of new banner brackets. The plan is to install the banners at the same time as bracket installation.

## JOINT PROJECTS WITH CITY

The BID Board continues to meet with City staff regularly. City staff and our City Council Member are invited to, and attend, the monthly BID Board meetings. Funds for the permanent paver program have been allocated for years. In 2025, the City added permanent pavers to Avenida Del Norte. The RVA has managed several projects successfully and wants to continue to be a reliable partner to the City. An ongoing item is installing permanent retractable bollards in key areas of the Riviera for ease of street closures and pedestrian safety during community events.

## MARKETING/PROMOTIONS

The general public is not aware of how much the BID accomplishes without financial assistance from the City of Redondo Beach. The community also does not know the BID’s primary function is to raise funds that directly benefit the community, BID businesses, as well as the aestheitics of Riviera Village. The RVA BID has moved a project forward geared towards educating the public about the BID through a marketing campaign that will coincide with raising funds for an event or a small project. The first steps have been accomplished. The BID hired Marcus “Goodie” Goodloe, Ph.D., a leadership development professional. He led the RVA BID Board through an exercise focused on leadership, values, mission, goals, and vision. The well-received session empowered the BID Board to refocus the BID’s impact on the community and develop a more profound sense of purpose for the BID Board’s mission. Another outcome is a new mission statement, as follows, “The RVA strives to create a welcoming and vibrant community by collaborating with local businesses and the city to enhance public spaces and create economic vitality

while maintaining its village charm." Next, is to focus on the messaging via a professionally produced video and to determine the focus of a fundraiser.

The current digital ad plan is based on maintaining the steady climb of social media followers, raising overall awareness, informing the community of Village-wide events/business events and putting faces to the names of Village businesses. Since 2017, the RVA's marketing has been managed by a paid local professional. Responsibilities are social media, email marketing, website content management, project management and content creation. Advertising promotes the farmer's market, retailers, restaurants, services and large scale community events.

**MERCHANT MIXERS**

RVA Merchant Mixers are held twice per year in April and November at a Riviera Village restaurant. Business owners and their employees are treated to complimentary appetizers and a libation of their choice. The mixers provide an environment to unwind, meet fellow business owners, talk with BID Board members, city workers, RBPD and city council members - and for some, discover a new restaurant. At the September 15, 2025 Board Meeting, it was decided to increase mixers to four times per year.

**HALLOWEEN & HOLIDAY STROLL**

The 2025 Riviera Village Halloween Trick or Treat, is 3 PM to 8 PM on October 31, 2025. In 2025, Halloween falls on a Friday. The street closure has been extended to 8 PM to encourage adults to stay longer to extend the fun, spend time and spend money at Village establishements. The RVA expects another enthusiastic turnout. The community enjoys walking the village in costume with their family and collecting treats in a safe environment closed to motor vehicles.

The 2025 Riviera Village Holiday Stroll was another achievement. The RVA partnered with more sponsors to help offset costs. Event producer, Start to Finish Events, organized attractions including interactive photo opportunities with classic holiday characters and inflatables for kids - setting the mood with a DJ, uplit palm trees and snowflakes projected on the asphalt. Santa and the Grinch made a grand entrance in a vintage fire truck led by members of the Redondo Union High School marching band. Grinch and Santa

stayed throughout for photos. The dynamic environment was attended by thousands as a reminder to support Rivia Village small businesses. .

**RIVIERA VILLAGE SUMMER FESTIVAL**

The Riviera Village Summer Festival returned the last week of June 2025 with a schedule enhacement… a full day of vendors on Friday. The perfect weather made for an excellent turnout all three days.The 2025 festival earned the RVA $60,000 versus $39,000 in 2024..

**CERTIFIED FARMERS MARKET**

The BID continues to support the Certified Farmers Market located in the Triangle Parking Lot on Sunday. New in 2025, families love “the bubble guy” and live music. Kids Zone continues in 2025, conceived by vendor Yummmm Bar in cooperation with the market where parents and kids have a place to craft and play. The manager of the Farmers Market has excelled in curating a higher caliber and diverse vendor selection, focusing on organic farmers and a quality shopping experience. The market continues to be a source of income for the BID.

**ADMINISTRATIVE**

The coordinator of the BID Board hired in January 2022 is working well and helps maintain needed consistency. She is responsible for creating board meeting agendas, inviting outside guests to board meetings, notifying board members of meetings, assisting the board secretary with meeting minutes, organizing the annual report and other projects as needed. Board members continue in their additional volunteer positions managing specific village tasks and projects. Examples are: plant maintenance, lamp post banners/holiday decor, insurance, mixers and events.

**INSURANCE POLICIES**

General Liability Insurance required by the City of Redondo Beach was renewed. Officers and Directors Liability Insurance was also renewed. Certificate of Insurance for Events (Outside Dining Parklets & Sidewalk Sale during COVID-19) is in place as well.

## PROJECTS/GOALS ANTICIPATED FOR CALENDAR YEAR 2026

Working as needed with the City of Redondo Beach and the Coastal Commission on recently proposed plans to widen sidewalks on S Catalina, change to parallel parking, and create bike lanes. The intention of wider sidewalks is to transition to sidewalk dining and remove the temporary parklets.

Another BID goal is beautification on Avenida del Norte. Additionally, an ongoing goal is improving safety while also adding a unique feature to the village with a Roundabout at Catalina Ave & Avenue I; roundabouts both improve traffic flow while separating pedestrians from vehicle traffic inside the roundabout where the vehicles travel. The BID's current long-term goal is to continue vetting possible solutions to the short-term and long-term parking challenges within the Village.

## AMENDED BYLAWS | FINANCIAL REPORTS

Exhibit A: Updated Bylaws

Exhibit B: Projected Operating Budget for Calendar Year 2026

Exhibit C: RVA BID Financial Reports

**BYLAWS OF**

**RIVIERA VILLAGE ASSOCIATION**

A California Nonprofit Mutual Benefit Corporation

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ARTICLE 1: **NAME**

The name of this corporation is RIVIERA VILLAGE ASSOCIATION.

ARTICLE 2: **PRINCIPAL OFFICE**

2.1 The principal office for the transaction of the activities, affairs, and business of the corporation is located at 1611 Catalina Avenue I, Unit 115 Redondo Beach, California 90277-5277. The board of directors (Board) may change the principal office from one location to another. Any change of location of the principal office shall be noted by the secretary on these bylaws opposite this Article, or this Article may be amended to state the new location.

2.2 The Board may at any time establish branch or subordinate offices at any place or places where the corporation is qualified to conduct its activities.

ARTICLE 3: **BOUNDARIES**

The *Riviera Village* (or "Village") is generally bounded on the north by Avenue I; on the east and south by Elena Avenue; on the west by Catalina Avenue. Specific boundaries are those as established by the Riviera Village Business Improvement District (BID) as on file with the City of Redondo Beach. The Riviera Village encompasses property only in the City of Redondo Beach.

ARTICLE 4: **DEFINITIONS**

4.1 The "RVA" or "Association" shall denote the *Riviera Village Association*.

4.2 The "Board" shall refer to the Board of Directors of the RVA.

4.3 The "Officers" shall refer to those Directors of the Board who are elected to specific operating positions in the RVA such as president, vice-president, treasurer and secretary.

4.4 The term "Business" shall mean a place of business that holds a current business license and is located within the RVA boundaries as described above in the City of Redondo Beach.

ARTICLE 5: **PURPOSES AND LIMITATIONS**

5.1 The Purpose of this corporation is to engage in any lawful act or activity for which a corporation may be organized under the Nonprofit Mutual Benefit Corporation Law.

5.2 Within the context of the general purpose stated above, this corporation is formed by the business community of the Riviera Village as a means to maintain and improve the physical surroundings of the Village as well as the business environment in the community. The RVA shall achieve these objectives by pursuing activities including, but not limited to physical improvements, beautification efforts, general maintenance, advertising and promotion, volunteer activities, staging of events and involvement in the City and community development efforts.

5.3 No part of the net earnings of the corporation may inure to the benefit of any member.

ARTICLE 6: **MEMBERSHIP**

6.1 Members: A Member is a person, corporation, partnership, trust, limited liability company, or an unincorporated association which is operating as a single entity and holds a valid Business License within the boundaries of the RVA.

ARTICLE 7: **PRIMARY FUNDING**

7.1 Funding Agreement: Funds are collected based on a contractual agreement with the City of Redondo Beach that recognizes the RVA as the advisory board of the BID for the Riviera Village. Funds may also be raised by the RVA via independently sponsored Special Events. These additional funds raised by the RVA shall be deposited and held in the same account as the funds collected from the City of Redondo Beach.

ARTICLE 8: **DIRECTORS**

8.1 Number of Directors: The Directors on the Board shall consist of a minimum of six and a maximum of eleven Members. Each director shall have one vote.

8.2 Nomination and Election of Directors: All persons wishing to serve on the Board shall be a member, owner, officer, partner or authorized representative of a member and submit their name to the currently sitting Board not less than forty-five days in advance of the upcoming election. Nomination submissions shall be sent via email to info@rivieravillage.net or mailed to the RVA, PO Box 3853, Redondo Beach CA 90277 and should more than eleven (confirmed eligible) persons submit their names to serve as Board members, elections shall be held. If an election is held, the Board will form a ballot with a slate of candidates which will be presented to the Membership in writing. Each licensed member shall have one vote and must submit their completed ballot for up to 11 candidates or write in and vote for additional eligible candidates. Election is done by simple majority of the votes cast. If elections are required pursuant to this clause, all ballots must be received by the morning of the general meeting. Completed ballots must

be sent via email to info@rivieravillage.net or mailed to the RVA, PO Box 3853, Redondo Beach CA 90277.

8.3 Powers: Subject to the provisions and limitations of the California Nonprofit Mutual Benefit Corporation Law and any other applicable laws, and subject to any limitations in the articles of incorporation and bylaws regarding actions that require the approval of the members, the corporation's activities and affairs shall be managed, and all corporate power shall be exercised, by or under the Board's direction.

8.4 Specific Powers: Without prejudice to the general powers set forth in the preceding section, but subject to the same limitations, the directors shall have the power to:

(a) Adopt and publish rules and regulations governing the Association;
(b) Suspend the voting rights of any member who is in default of the regulations of the Association;
(c) Exercise for the Association all powers, duties, and authority vested in or delegated to the Association and not reserved for the membership by other provisions in these by-laws;
(d) Declare the office of a board member vacant in his or her absence from three consecutive regularly scheduled Board meetings except with notice of absence;
(e) .

8.5 Duties of Directors: It shall be the duty of the Board of Directors to:

(a) Cause to be kept a complete record of all of its acts and affairs and to present a statement of such activities to the members during an annual meeting of the membership or by publication (including via e-mail); or by posting on its website;
(b) Keep an annual statement of income and expenses, balance sheet, and keep a budget for the succeeding year.

8.6 Terms: Directors' terms shall be two years in length and commence on July 1st and end on June 30th.

8.7 Authority to Contract: The Board shall have the authority to enter into contracts on behalf of the Association. The President shall have the authority independent of the Board to contract up to $250.00, but must report such a contract to the Board within thirty days. Contracts above $250.00 must be approved by a majority of the board and signed by a minimum of two officers.

## ARTICLE 9: **OFFICERS**

The Officers of the Association shall consist of the Directors serving as President, Vice President, Secretary, and Treasurer, plus any other offices as the Board may create.

9.1 Election of Officers: Officers shall be elected by a majority vote of board members. Election of officers shall be held at the first board meeting of the newly elected board members.

9.2 Term & Term Limits for Officers: Officers' terms shall be one year in length and commence on July 1st and end on June 30th.

9.3 Number of Officers: Any two or more Officers' positions may be combined except the President, but at no time shall there be less than three persons holding offices.

9.4 Duties of Officers:

9.4.1 President: Shall preside at all meetings of the Board; shall see that orders and resolutions of the Board are carried out; shall sign any written instruments; shall be responsible for all distributions of notices; nominate standing committee Chairs (for Board majority approval); act as ex-officio member of all committees; and conduct business as necessary for the proper function of the Association.

9.4.2 Vice President: Shall act as President in place of the President's absence, inability or refusal to act; shall be responsible for Marketing and Public Relations matters; and shall exercise and discharge other duties as required by the Board.

9.4.3 Secretary: Shall keep a record of all proceedings, maintain an accurate set of By-laws of the Association; serve notice of the meetings of the Board and membership; cause news updates to be published and sent to the members on a regular basis, and shall exercise and discharge other duties as required by the Board.

9.4.4 Treasurer: Shall receive and deposit in proper accounts all monies of the Association and disburse such funds as directed by the Board; sign all checks; keep all proper books of account prepare statements of income & expenditures; cause to be prepared all proper tax documents; and shall exercise and discharge other duties as required by the Board.

9.5 Resignation & Removal of Officers: Any Officer may be removed from office by the Board of Directors with cause by a majority vote of the Board. Any Officer may resign from office and the Board by giving written notice to the Board, which resignation takes effect on the date of receipt. The acceptance of such resignation is not required. Officers may resign a specific Office, but remain on the Board as a Director only by a majority vote of the Board.

9.6 Filling Unexpired Terms & Vacancies for Officers: Upon resignation or removal of an Officer, the Board may appoint a replacement Officer from the current Board. New Officers are elected by a majority vote of the Board. Replacement Officers shall complete the term of the former Officer and may stand for election by the membership during the election for the next term period.

9.7 Filling Vacancies on Board of Directors: Upon resignation of a member of the Board of Directors, the Board may elect a replacement Director from the current membership. In the event the Board of Directors consists of less than eleven (11) members at any time, the Board may elect additional Directors up to a maximum of eleven (11) with no restriction on the total number of Directors being an even number.

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ARTICLE 10: **MEETINGS**

10.1 Board of Directors Meetings

10.1.1 Regular Directors Meetings: Regular meetings of the Board shall be held a minimum of four times per year. Notice of regular Board meetings shall be made to all Directors not less than five days prior to the meeting. Board members agree to attend 8 out of the 11 meetings held annually. The Board may vote to remove a member of the Board for excessive absences.

10.1.2 Special Directors Meetings: Special meetings of the Board shall be called by the President or any two Directors. Notice of special meetings shall be given by email not less than two (2) days prior to the vote on any issue to be considered at the special Directors meeting. All Directors shall vote by email on the issues considered at a special meeting.

10.1.3 Board of Directors Quorum: Every act or decision made by the Directors presented at a duly held meeting at which a quorum is present shall be regarded as an act of the Board. A quorum is defined below.

| No. of Directors: | Quorum |
|---|---|
| 5 | 3 |
| 6 | 4 |
| 7 | 4 |
| 8 | 5 |
| 9 | 5 |
| 10 | 6 |
| 11 | 6 |

10.2 Meetings of Members

10.2.1 Regular Meetings of Members: General meetings of the members shall be held once a year on the third Tuesday of May unless otherwise notified.

102.2 Notice of Meetings: Written notice for each meeting of the members shall be given at the direction of the Secretary at least five days in advance of the meeting. Such notice shall specify the time, day, location, and the purpose of the meeting.

ARTICLE 11: **AMENDMENTS TO BY-LAWS**

After two weeks advance written notice, these by-laws may be amended, at a regular meeting, by a majority of the Board members present at the meeting. Whenever the by-laws are amended, the modified text shall be copied into the book of by-laws with the original. Notice of amendments shall be made available to any member of the RVA upon receipt or be posted at www.rivieravillage.net.

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ARTICLE 12: **PARLIAMENTARY PROCEDURE**

*Roberts Rules of Order*, most current edition, shall be the authority on all points not covered by these by-laws and standing rules.

ARTICLE 13: **RECORDS & INSPECTIONS**

The by-laws, books, records, and papers of the Association shall be made available during reasonable business hours, for inspection by any members in the principle office. Records of the Association must be in compliance with all applicable rule, laws and regulations for a period of not less than two years in a place designated by the Board.

ARTICLE 14: **ANNUAL REPORT**

The Board shall make an Annual Report, that is presented to the Redondo Beach City Council, available to any member, upon request, within three months of the close of the fiscal year. This Annual Report will contain a summary of activities, list of Directors, Profit & Loss statement, and Balance sheet for the past fiscal year.

ARTICLE 15: **DISSOLUTION OF ASSOCIATION**

The Association may be dissolved only upon a written three-quarter vote of the Board. The Treasurer shall, after an affirmative vote for dissolution, distribute the balance of any surplus funds, after expenses, in accordance with the disbursement procedure recommended by the Board at that time, however subject to all laws relating to non-profit mutual benefit corporations.

ARTICLE 16: **INDEMNIFICATION**

16.1 Right of Indemnity. To the fullest extent permitted by law, this corporation shall indemnify its directors, officers, employees and other persons described ion Section 7237(a) of the California Corporations Code, including persons formerly occupying any such position, against all expenses, judgments, fines, settlements, and other amounts actually and reasonably incurred by them in connection with any "proceeding", as that term is used in that Section, and including an action by or in the right of the corporation, by reason of the fact that the person is or was a person described in that Section. "Expenses", as used in this by-law, shall have the same meaning as in Section 7237(a) of the California Corporations Code.

16.2 Approval of Indemnity. On written request to the Board by any person seeking indemnification under Section 7237(b) or Section 7237(c) of the California Corporations Code, the Board shall promptly determine under Section 7237(e) of the California Corporations Code whether the applicable standard of conduct set forth in Section 7237(b) or Section 7237(c) has been met and, if so, the Board shall authorize indemnification. If the Board cannot authorize indemnification because the number of

Directors who are parties to the proceeding with respect to which indemnification is sought prevents the formation of a quorum of Directors who are not parties to that proceeding, the Board shall promptly call a meeting of members. At that meeting, the members shall determine under Section 7237(e) whether the applicable standard of conduct set forth in Section 7237(b) or Section 7237(c) has been met and, if so, members present at the meeting in person or by proxy shall authorize indemnification.

16.3 Advancement of Expenses. To the fullest extent permitted by law and except as otherwise determined by the Board in a specific instance, expenses incurred by a person seeking indemnification under Section 16 of these by-laws in defending any proceeding covered by those Sections shall be advanced by the corporation before final disposition of the proceeding, on receipt by the corporation of an undertaking by or on behalf of that person that the advance will be repaid unless it is ultimately determined that the person is not entitled to be indemnified by the corporation for those expenses.

ARTICLE 17: **INSURANCE**

The corporation shall have the right to purchase and maintain insurance to the full extent permitted by law on behalf of its officers, directors, employees, and other agents, against any liability asserted against or incurred by any officer, director, employee, or agent in such capacity or arising out of the officer's, director's, employee's, or agent's status as such.

ARTICLE 18: **MISCELLANEOUS**

The fiscal year of the Association shall be January 1 through December 31. .

ARTICLE 19: **CERTIFICATION**

I, the undersigned, do hereby certify that I am the duly elected President and a Board Member of the Board of Directors of the RIVIERA VILLAGE ASSOCIATION, and that the foregoing By-laws constitute the succeeding By-laws of said Association, as duly adopted at a meeting of the Board of Directors, held on the 7th day of September, 1995, and ratified by a majority of the membership present at a regular meeting.

These by-laws were amended on the 15th day of October 2024 and ratified by a majority of the Board present at a regular meeting.

RIVIERA VILLAGE ASSOCIATION

By: Allen Sanford
Allen Sanford, President

**BYLAWS OF**

**RIVIERA VILLAGE ASSOCIATION**

A California Nonprofit Mutual Benefit Corporation

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ARTICLE 1: **NAME**

The name of this corporation is RIVIERA VILLAGE ASSOCIATION.

ARTICLE 2: **PRINCIPAL OFFICE**

2.1 The principal office for the transaction of the activities, affairs, and business of the corporation is located at 1611 Catalina Avenue I, Unit 115 Redondo Beach, California 90277-5277. The board of directors (Board) may change the principal office from one location to another. Any change of location of the principal office shall be noted by the secretary on these bylaws opposite this Article, or this Article may be amended to state the new location.

2.2 The Board may at any time establish branch or subordinate offices at any place or places where the corporation is qualified to conduct its activities.

ARTICLE 3: **BOUNDARIES**

The *Riviera Village* (or "Village") is generally bounded on the north by Avenue I; on the east and south by Elena Avenue; on the west by Catalina Avenue. Specific boundaries are those as established by the Riviera Village Business Improvement District (BID) as on file with the City of Redondo Beach. The Riviera Village encompasses property only in the City of Redondo Beach.

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4.1 The "RVA" or "Association" shall denote the *Riviera Village Association*.

4.2 The "Board" shall refer to the Board of Directors of the RVA.

4.3 The "Officers" shall refer to those Directors of the Board who are elected to specific operating positions in the RVA such as president, vice-president, treasurer and secretary.

4.4 The term "Business" shall mean a place of business that holds a current business license and is located within the RVA boundaries as described above in the City of Redondo Beach.

ARTICLE 5: **PURPOSES AND LIMITATIONS**

5.1 The Purpose of this corporation is to engage in any lawful act or activity for which a corporation may be organized under the Nonprofit Mutual Benefit Corporation Law.

5.2 Within the context of the general purpose stated above, this corporation is formed by the business community of the Riviera Village as a means to maintain and improve the physical surroundings of the Village as well as the business environment in the community. The RVA shall achieve these objectives by pursuing activities including, but not limited to physical improvements, beautification efforts, general maintenance, advertising and promotion, volunteer activities, staging of events and involvement in the City and community development efforts.

5.3 No part of the net earnings of the corporation may inure to the benefit of any member.

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6.1 Members: A Member is a person, corporation, partnership, trust, limited liability company, or an unincorporated association which is operating as a single entity and holds a valid Business License within the boundaries of the RVA.

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7.1 Funding Agreement: Funds are collected based on a contractual agreement with the City of Redondo Beach that recognizes the RVA as the advisory board of the BID for the Riviera Village. Funds may also be raised by the RVA via independently sponsored Special Events. These additional funds raised by the RVA shall be deposited and held in the same account as the funds collected from the City of Redondo Beach.

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8.1 Number of Directors: The Directors on the Board shall consist of a minimum of six and a maximum of eleven Members. Each director shall have one vote.

8.2 Nomination and Election of Directors: All persons wishing to serve on the Board shall be a member, owner, officer, partner or authorized representative of a member and submit their name to the currently sitting Board not less than forty-five days in advance of the upcoming election. Nomination submissions shall be sent via email to info@rivieravillage.net or mailed to the RVA, PO Box 3853, Redondo Beach CA 90277 and should more than eleven (confirmed eligible) persons submit their names to serve as Board members, elections shall be held. If an election is held, the Board will form a ballot with a slate of candidates which will be presented to the Membership in writing. Each licensed member shall have one vote and must submit their completed ballot for up to 11 candidates or write in and vote for additional eligible candidates. Election is done by simple majority of the votes cast. If elections are required pursuant to this clause, all ballots must be received by the morning of the general meeting. Completed ballots must

be sent via email to info@rivieravillage.net or mailed to the RVA, PO Box 3853, Redondo Beach CA 90277.

8.3 Powers: Subject to the provisions and limitations of the California Nonprofit Mutual Benefit Corporation Law and any other applicable laws, and subject to any limitations in the articles of incorporation and bylaws regarding actions that require the approval of the members, the corporation's activities and affairs shall be managed, and all corporate power shall be exercised, by or under the Board's direction.

8.4 Specific Powers: Without prejudice to the general powers set forth in the preceding section, but subject to the same limitations, the directors shall have the power to:

(a) Adopt and publish rules and regulations governing the Association;
(b) Suspend the voting rights of any member who is in default of the regulations of the Association;
(c) Exercise for the Association all powers, duties, and authority vested in or delegated to the Association and not reserved for the membership by other provisions in these by-laws;
(d) Declare the office of a board member vacant in his or her absence from three consecutive regularly scheduled Board meetings except with notice of absence;
(e) .

8.5 Duties of Directors: It shall be the duty of the Board of Directors to:

(a) Cause to be kept a complete record of all of its acts and affairs and to present a statement of such activities to the members during an annual meeting of the membership or by publication (including via e-mail); or by posting on its website;
(b) Keep an annual statement of income and expenses, balance sheet, and keep a budget for the succeeding year.

8.6 Terms: Directors' terms shall be two years in length and commence on July 1st and end on June 30th.

8.7 Authority to Contract: The Board shall have the authority to enter into contracts on behalf of the Association. The President shall have the authority independent of the Board to contract up to $250.00, but must report such a contract to the Board within thirty days. Contracts above $250.00 must be approved by a majority of the board and signed by a minimum of two officers.

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9.4 Duties of Officers:

9.4.1 President: Shall preside at all meetings of the Board; shall see that orders and resolutions of the Board are carried out; shall sign any written instruments; shall be responsible for all distributions of notices; nominate standing committee Chairs (for Board majority approval); act as ex-officio member of all committees; and conduct business as necessary for the proper function of the Association.

9.4.2 Vice President: Shall act as President in place of the President's absence, inability or refusal to act; shall be responsible for Marketing and Public Relations matters; and shall exercise and discharge other duties as required by the Board.

9.4.3 Secretary: Shall keep a record of all proceedings, maintain an accurate set of By-laws of the Association; serve notice of the meetings of the Board and membership; cause news updates to be published and sent to the members on a regular basis, and shall exercise and discharge other duties as required by the Board.

9.4.4 Treasurer: Shall receive and deposit in proper accounts all monies of the Association and disburse such funds as directed by the Board; sign all checks; keep all proper books of account prepare statements of income & expenditures; cause to be prepared all proper tax documents; and shall exercise and discharge other duties as required by the Board.

9.5 Resignation & Removal of Officers: Any Officer may be removed from office by the Board of Directors with cause by a majority vote of the Board. Any Officer may resign from office and the Board by giving written notice to the Board, which resignation takes effect on the date of receipt. The acceptance of such resignation is not required. Officers may resign a specific Office, but remain on the Board as a Director only by a majority vote of the Board.

9.6 Filling Unexpired Terms & Vacancies for Officers: Upon resignation or removal of an Officer, the Board may appoint a replacement Officer from the current Board. New Officers are elected by a majority vote of the Board. Replacement Officers shall complete the term of the former Officer and may stand for election by the membership during the election for the next term period.

9.7 Filling Vacancies on Board of Directors: Upon resignation of a member of the Board of Directors, the Board may elect a replacement Director from the current membership. In the event the Board of Directors consists of less than eleven (11) members at any time, the Board may elect additional Directors up to a maximum of eleven (11) with no restriction on the total number of Directors being an even number.

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ARTICLE 10: **MEETINGS**

10.1 Board of Directors Meetings

10.1.1 Regular Directors Meetings: Regular meetings of the Board shall be held a minimum of four times per year. Notice of regular Board meetings shall be made to all Directors not less than five days prior to the meeting. Board members agree to attend 8 out of the 11 meetings held annually. The Board may vote to remove a member of the Board for excessive absences.

10.1.2 Special Directors Meetings: Special meetings of the Board shall be called by the President or any two Directors. Notice of special meetings shall be given by email not less than two (2) days prior to the vote on any issue to be considered at the special Directors meeting. All Directors shall vote by email on the issues considered at a special meeting.

10.1.3 Board of Directors Quorum: Every act or decision made by the Directors presented at a duly held meeting at which a quorum is present shall be regarded as an act of the Board. A quorum is defined below.

| No. of Directors: | Quorum |
|---|---|
| 5 | 3 |
| 6 | 4 |
| 7 | 4 |
| 8 | 5 |
| 9 | 5 |
| 10 | 6 |
| 11 | 6 |

10.2 Meetings of Members

10.2.1 Regular Meetings of Members: General meetings of the members shall be held once a year on the third Tuesday of May unless otherwise notified.

102.2 Notice of Meetings: Written notice for each meeting of the members shall be given at the direction of the Secretary at least five days in advance of the meeting. Such notice shall specify the time, day, location, and the purpose of the meeting.

ARTICLE 11: **AMENDMENTS TO BY-LAWS**

After two weeks advance written notice, these by-laws may be amended, at a regular meeting, by a majority of the Board members present at the meeting. Whenever the by-laws are amended, the modified text shall be copied into the book of by-laws with the original. Notice of amendments shall be made available to any member of the RVA upon receipt or be posted at www.rivieravillage.net.

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ARTICLE 12: **PARLIAMENTARY PROCEDURE**

*Roberts Rules of Order*, most current edition, shall be the authority on all points not covered by these by-laws and standing rules.

ARTICLE 13: **RECORDS & INSPECTIONS**

The by-laws, books, records, and papers of the Association shall be made available during reasonable business hours, for inspection by any members in the principle office. Records of the Association must be in compliance with all applicable rule, laws and regulations for a period of not less than two years in a place designated by the Board.

ARTICLE 14: **ANNUAL REPORT**

The Board shall make an Annual Report, that is presented to the Redondo Beach City Council, available to any member, upon request, within three months of the close of the fiscal year. This Annual Report will contain a summary of activities, list of Directors, Profit & Loss statement, and Balance sheet for the past fiscal year.

ARTICLE 15: **DISSOLUTION OF ASSOCIATION**

The Association may be dissolved only upon a written three-quarter vote of the Board. The Treasurer shall, after an affirmative vote for dissolution, distribute the balance of any surplus funds, after expenses, in accordance with the disbursement procedure recommended by the Board at that time, however subject to all laws relating to non-profit mutual benefit corporations.

ARTICLE 16: **INDEMNIFICATION**

16.1 Right of Indemnity. To the fullest extent permitted by law, this corporation shall indemnify its directors, officers, employees and other persons described ion Section 7237(a) of the California Corporations Code, including persons formerly occupying any such position, against all expenses, judgments, fines, settlements, and other amounts actually and reasonably incurred by them in connection with any "proceeding", as that term is used in that Section, and including an action by or in the right of the corporation, by reason of the fact that the person is or was a person described in that Section. "Expenses", as used in this by-law, shall have the same meaning as in Section 7237(a) of the California Corporations Code.

16.2 Approval of Indemnity. On written request to the Board by any person seeking indemnification under Section 7237(b) or Section 7237(c) of the California Corporations Code, the Board shall promptly determine under Section 7237(e) of the California Corporations Code whether the applicable standard of conduct set forth in Section 7237(b) or Section 7237(c) has been met and, if so, the Board shall authorize indemnification. If the Board cannot authorize indemnification because the number of

Directors who are parties to the proceeding with respect to which indemnification is sought prevents the formation of a quorum of Directors who are not parties to that proceeding, the Board shall promptly call a meeting of members. At that meeting, the members shall determine under Section 7237(e) whether the applicable standard of conduct set forth in Section 7237(b) or Section 7237(c) has been met and, if so, members present at the meeting in person or by proxy shall authorize indemnification.

16.3 Advancement of Expenses. To the fullest extent permitted by law and except as otherwise determined by the Board in a specific instance, expenses incurred by a person seeking indemnification under Section 16 of these by-laws in defending any proceeding covered by those Sections shall be advanced by the corporation before final disposition of the proceeding, on receipt by the corporation of an undertaking by or on behalf of that person that the advance will be repaid unless it is ultimately determined that the person is not entitled to be indemnified by the corporation for those expenses.

## ARTICLE 17: **INSURANCE**

The corporation shall have the right to purchase and maintain insurance to the full extent permitted by law on behalf of its officers, directors, employees, and other agents, against any liability asserted against or incurred by any officer, director, employee, or agent in such capacity or arising out of the officer's, director's, employee's, or agent's status as such.

## ARTICLE 18: **MISCELLANEOUS**

The fiscal year of the Association shall be January 1 through December 31. ~~July1st through June 30th~~.

## ARTICLE 19: **CERTIFICATION**

I, the undersigned, do hereby certify that I am the duly elected President and a Board Member of the Board of Directors of the RIVIERA VILLAGE ASSOCIATION, and that the foregoing By-laws constitute the succeeding By-laws of said Association, as duly adopted at a meeting of the Board of Directors, held on the 7th day of September, 1995, and ratified by a majority of the membership present at a regular meeting.

These by-laws were amended on the 15th day of October ~~June~~ 2024 and ratified by a majority of the Board present at a regular meeting.

RIVIERA VILLAGE ASSOCIATION

By: _____
Allen Sanford, President

**EXHIBIT B**

Riviera Village Association BID
Projected Operating Budget for Calendar Year 2026

| | | |
|---|---|---|
| REVENUE | | |
| BID Income | $90,000 | |
| Event Income | $55,000 (addition of Halloween concert) | |
| Farmers Market | $18,000 | |
| Surplus from 2024 | $40,000 | |
| RVA Parklette Income | $45,000 | |
| Total | **$248,000** | |
| Parklets Reimbursements | $228,000 | |
| **Total** | **$476,000** | |
| | | |
| EXPENSES | | |
| Administrative | $24,800 | (10%) |
| Advertising & Marketing | $99,200 | (40%) |
| Beautification & Maintenance | $124,000 | (50%) |
| Total | **$248,000** | |
| Parklet Permit Fee paid to City | $228,000 | |
| | | |
| **Total** | $476,000 | |

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# Profit and Loss

## Riviera Village Association

January 1-September 14, 2025

| DISTRIBUTION ACCOUNT | TOTAL |
|---|---|
| Income | |
| 4000 Income | 0 |
| 4300 Other Income | 1,105.32 |
| 4600 Parklet Income | |
| 4610 Late Parklet Fees Assessed | 446.98 |
| **Total for 4000 Income** | **$1,552.30** |
| 4250 BID Income | 49,825.00 |
| 4450 Event Income | 3,361.58 |
| 4500 Farmers Market | 7,500.00 |
| 4650 Parklet Income - RVA Fee | 27,700.77 |
| 4675 Parklet Reimbursement Income | 162,077.15 |
| **Total for Income** | **$252,016.80** |
| Cost of Goods Sold | |
| **Gross Profit** | **$252,016.80** |
| Expenses | |
| 6000 Administrative Expenses | **$18,594.94** |
| 7000 Beautification and Maintenance | **$170,928.36** |
| 8200 Marketing | **$21,799.56** |
| **Total for Expenses** | **$211,322.86** |
| **Net Operating Income** | **$40,693.94** |
| Other Income | |
| Other Expenses | |
| **Net Other Income** | **0** |
| **Net Income** | **$40,693.94** |

EXHIBIT C

# Balance Sheet

## Riviera Village Association

### As of September 14, 2025

| Distribution account | Total |
|---|---|
| Assets | |
| Current Assets | |
| Bank Accounts | |
| 1010 Opus Bank - RVA BID - 2990 | 151,664.62 |
| 1072 Bill.com Money Out Clearing | |
| Journal Entries | |
| Manage RVA BID Funds | |
| Opus Bank - RVA - 6543 | |
| Petty Cash | |
| Wells Fargo - 0288-864036 | |
| **Total for Bank Accounts** | **$151,664.62** |
| Accounts Receivable | |
| 1200 Accounts Receivable | 19,840.22 |
| **Total for Accounts Receivable** | **$19,840.22** |
| Other Current Assets | |
| 1310 Undeposited Funds | |
| **Total for Other Current Assets** | **0.00** |
| **Total for Current Assets** | **$171,504.84** |
| Fixed Assets | |
| Other Assets | |
| 2100 Prepaid Expenses | -1,125.00 |
| **Total for Other Assets** | **-$1,125.00** |
| **Total for Assets** | **$170,379.84** |
| Liabilities and Equity | |
| Liabilities | |
| Current Liabilities | |
| Accounts Payable | |
| 2000 Accounts Payable | 24,800.18 |
| **Total for Accounts Payable** | **$24,800.18** |
| Credit Cards | |
| 2200 Pacific Premier - FBNO Credit Card | |
| **Total for Credit Cards** | **0.00** |
| Other Current Liabilities | |
| 2300 Other Liabilities | |
| 2500 Sales Tax Payable | |
| 2600 State Board of Equalization Payable | 0.00 |
| 2550 Sales Tax Payable | |
| **Total for 2600 State Board of Equalization Payable** | **0.00** |
| **Total for Other Current Liabilities** | **0.00** |
| **Total for Current Liabilities** | **$24,800.18** |
| Long-term Liabilities | |

| | |
|---|---|
| **Total for Liabilities** | **$24,800.18** |
| Equity | |
| 3200 Retained Earnings | 104,885.72 |
| Net Income | 40,693.94 |
| **Total for Equity** | **$145,579.66** |
| **Total for Liabilities and Equity** | **$170,379.84** |
| | |
| | |
| | |

Accrual Basis Saturday, September 27, 2025 12:28 AM GMTZ

# Check Detail Report

## Riviera Village Association

January 1-September 14, 2025

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 1072 Bill.com Money Out Clearing | | | | | | |
| 7603 | | | | | | |
| 01/10/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Multiple invoices | Uncleared | -423.07 |
| 01/10/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -423.07 |
| 7606 | | | | | | |
| 01/10/2025 | Bill Payment (Check) | | So Cal Lighting Pros | Inv INV-000619 | Uncleared | -2,035.95 |
| 01/10/2025 | Bill Payment (Check) | | So Cal Lighting Pros | | | -2,035.95 |
| 7604 | | | | | | |
| 01/21/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv 2485 | Uncleared | -1,500.00 |
| 01/21/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7605 | | | | | | |
| 01/21/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv 202765 | Uncleared | -2,081.04 |
| 01/21/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 7651 | | | | | | |
| 01/21/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # M2WM3HLCS2 | Uncleared | -660.28 |
| 01/21/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -660.28 |
| 7652 | | | | | | |
| 01/21/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 12-24-RivV-katisme | Uncleared | -1,150.00 |
| 01/21/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,150.00 |
| 7713 | | | | | | |
| 02/19/2025 | Bill Payment (Check) | | Path To Clean LLC | Multiple invoices | Uncleared | -2,456.04 |
| 02/19/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,456.04 |
| 7714 | | | | | | |
| 02/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Multiple invoices | Uncleared | -485.89 |
| 02/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -485.89 |
| 7715 | | | | | | |
| 02/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv 2582 | Uncleared | -1,500.00 |
| 02/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7716 | | | | | | |
| 02/19/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv 1-25-RivV-katisme | Uncleared | -1,150.00 |
| 02/19/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,150.00 |
| 7721 | | | | | | |
| 02/21/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 01-2025-Coordinator-k | Uncleared | -285.00 |
| 02/21/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -285.00 |
| 7784 | | | | | | |
| 03/18/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv # 202833 | Uncleared | -2,081.04 |
| 03/18/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 7809 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 583605 | Uncleared | -18,708.00 |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 7810 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 2-25-RivV-katisme | Uncleared | -1,150.00 |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,150.00 |
| 7811 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 25030606915 | Uncleared | -110.45 |
| 03/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -110.45 |
| 7812 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 02-2025-Coordinator-k | Uncleared | -360.00 |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -360.00 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 7813 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 2025-RVA-02 | Uncleared | -341.25 |
| 03/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -341.25 |
| 7814 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # LHCWTM8CS2 | Uncleared | -23.68 |
| 03/19/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -23.68 |
| 7815 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 582461 | Uncleared | -2,577.00 |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -2,577.00 |
| 7816 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 582458 | Uncleared | -18,708.00 |
| 03/19/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 7817 | | | | | | |
| 03/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv # 2679 | Uncleared | -1,500.00 |
| 03/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7825 | | | | | | |
| 03/26/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 583532 | Uncleared | -18,708.00 |
| 03/26/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 7879 | | | | | | |
| 03/26/2025 | Bill Payment (Check) | | Salon Riviera inc. | Inv # Salon- Nov 20, 2024 | Uncleared | -1,500.00 |
| 03/26/2025 | Bill Payment (Check) | | Salon Riviera inc. | | | -1,500.00 |
| 7838 | | | | | | |
| 04/03/2025 | Bill Payment (Check) | | City of Redondo Beach - Waterfront | Inv July 4 | Uncleared | -2,500.00 |
| 04/03/2025 | Bill Payment (Check) | | City of Redondo Beach - Waterfront | | | -2,500.00 |
| 7824 | | | | | | |
| 04/15/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv # 202868 | Uncleared | -2,081.04 |
| 04/15/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 7893 | | | | | | |
| 04/16/2025 | Bill Payment (Check) | | Kathleen Fisher | Multiple invoices | Uncleared | -1,555.16 |
| 04/16/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,555.16 |
| 7894 | | | | | | |
| 04/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Multiple invoices | Uncleared | -589.12 |
| 04/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -589.12 |
| 7895 | | | | | | |
| 04/16/2025 | Bill Payment (Check) | | Enthusiast Inc | Inv 707553 | Uncleared | -192.50 |
| 04/16/2025 | Bill Payment (Check) | | Enthusiast Inc | | | -192.50 |
| 7839 | | | | | | |
| 04/18/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv 2741 | Uncleared | -1,500.00 |
| 04/18/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7911 | | | | | | |
| 05/06/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 990-End 6.30.2024 | Uncleared | -975.00 |
| 05/06/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -975.00 |
| 7912 | | | | | | |
| 05/06/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 583914 | Uncleared | -18,708.00 |
| 05/06/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 7926 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv # 202903 | Uncleared | -2,081.04 |
| 05/14/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 7927 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv # 2819 | Uncleared | -1,500.00 |
| 05/14/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7928 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 5.1.2025 RVA SHORT 24 | Uncleared | -975.00 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -975.00 |
| 7929 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 04-2025-Coordinator-k | Uncleared | -180.00 |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -180.00 |
| 7930 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 14019416 | Uncleared | -128.65 |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -128.65 |
| 7931 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 99822 May 12, 2025 | Uncleared | -52.13 |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -52.13 |
| 7932 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 99822 | Uncleared | -54.94 |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -54.94 |
| 7933 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 25051337036 | Uncleared | -110.45 |
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -110.45 |
| 7934 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 4-25-RivV-katisme | Uncleared | -1,150.00 |
| 05/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,150.00 |
| 7935 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Redondo Beach Chamber of Commerce | Inv # 53796 | Uncleared | -385.00 |
| 05/14/2025 | Bill Payment (Check) | | Redondo Beach Chamber of Commerce | | | -385.00 |
| 7936 | | | | | | |
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 2025-RVA-03 April | Uncleared | -468.75 |
| 05/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -468.75 |
| 7990 | | | | | | |
| 05/27/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv # 583995 | Uncleared | -18,708.00 |
| 05/27/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 8025 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 05-2025-Coordinator-k | Uncleared | -225.00 |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -225.00 |
| 8026 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 122159 | Uncleared | -175.68 |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -175.68 |
| 8027 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | Inv # 5-25-RivV-katisme | Uncleared | -1,150.00 |
| 06/16/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,150.00 |
| 8028 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 25061705237 | Uncleared | -108.47 |
| 06/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -108.47 |
| 8029 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv # 2025-RVA-05-May | Uncleared | -337.50 |
| 06/16/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -337.50 |
| 8030 | | | | | | |
| 06/16/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv # 2902 | Uncleared | -1,500.00 |
| 06/16/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 7989 | | | | | | |
| 06/17/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv # 202931 | Uncleared | -2,081.04 |
| 06/17/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 8117 | | | | | | |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 07/14/2025 | Bill Payment (Check) | | Kathleen Fisher | Multiple invoices | Uncleared | -1,769.74 |
| 07/14/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,769.74 |
| 8118 | | | | | | |
| 07/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv 2025-RVA-06-June | Uncleared | -337.50 |
| 07/14/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -337.50 |
| 8120 | | | | | | |
| 07/14/2025 | Bill Payment (Check) | | Path To Clean LLC | Inv 202965 | Uncleared | -2,081.04 |
| 07/14/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -2,081.04 |
| 8119 | | | | | | |
| 07/18/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv 2983 | Uncleared | -1,500.00 |
| 07/18/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 8165 | | | | | | |
| 08/07/2025 | Bill Payment (Check) | | A Chessmore Design | Inv RIVIER-0032 | Uncleared | -425.00 |
| 08/07/2025 | Bill Payment (Check) | | A Chessmore Design | | | -425.00 |
| 8166 | | | | | | |
| 08/07/2025 | Bill Payment (Check) | | Enthusiast Inc | Inv 194638 | Uncleared | -714.89 |
| 08/07/2025 | Bill Payment (Check) | | Enthusiast Inc | | | -714.89 |
| 8167 | | | | | | |
| 08/07/2025 | Bill Payment (Check) | | City of Redondo Beach | Inv 584167 | Uncleared | -18,708.00 |
| 08/07/2025 | Bill Payment (Check) | | City of Redondo Beach | | | -18,708.00 |
| 8192 | | | | | | |
| 08/15/2025 | Bill Payment (Check) | | Path To Clean LLC | Multiple invoices | Uncleared | -4,162.08 |
| 08/15/2025 | Bill Payment (Check) | | Path To Clean LLC | | | -4,162.08 |
| 8198 | | | | | | |
| 08/19/2025 | Bill Payment (Check) | | Kathleen Fisher | Multiple invoices | Uncleared | -1,375.91 |
| 08/19/2025 | Bill Payment (Check) | | Kathleen Fisher | | | -1,375.91 |
| 8199 | | | | | | |
| 08/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | Inv 2025-RVA-07-July | Uncleared | -318.75 |
| 08/19/2025 | Bill Payment (Check) | | Three Trees Consulting, Financial and Accounting Solutions | | | -318.75 |
| 8200 | | | | | | |
| 08/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | Inv 3051 | Uncleared | -1,500.00 |
| 08/19/2025 | Bill Payment (Check) | | Lisa's Garden Therapy | | | -1,500.00 |
| 1010 Opus Bank - RVA BID - 2990 | | | | | | |
| 7579 | | | | | | |
| 01/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -48.68 |
| 01/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 48.68 |
| 7585 | | | | | | |
| 01/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -127.13 |
| 01/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 127.13 |
| 7589 | | | | | | |
| 01/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -37.76 |
| 01/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 37.76 |
| 7592 | | | | | | |
| 01/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee- | Reconciled | -44.95 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| | | | | name: DiscountRateFee, fee-type: Daily. | | |
| 01/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 7600 | | | | | | |
| 01/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -41.49 |
| 01/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 41.49 |
| 7609 | | | | | | |
| 01/09/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -20.00 |
| 01/09/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 20.00 |
| 7613 | | | | | | |
| 01/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -39.09 |
| 01/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.09 |
| 7616 | | | | | | |
| 01/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -31.75 |
| 01/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 31.75 |
| 7619 | | | | | | |
| 01/15/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -41.07 |
| 01/15/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 41.07 |
| 7648 | | | | | | |
| 01/17/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -88.21 |
| 01/17/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 88.21 |
| 7657 | | | | | | |
| 01/27/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -9.20 |
| 01/27/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 9.20 |
| 7696 | | | | | | |
| 01/27/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -99.00 |
| 01/27/2025 | Expense | | Intuit | Intuit Software Fees | | 99.00 |
| 7698 | | | | | | |
| 01/31/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 01/31/2025 | Expense | | Google | Google Apps | | 100.80 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 7677 | | | | | | |
| 02/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -52.92 |
| 02/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 52.92 |
| 7682 | | | | | | |
| 02/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -47.69 |
| 02/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 47.69 |
| 7685 | | | | | | |
| 02/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -86.45 |
| 02/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 86.45 |
| 7768 | | | | | | |
| 02/05/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 02/05/2025 | Expense | | Google | Google Apps | | 100.80 |
| 7690 | | | | | | |
| 02/12/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -39.09 |
| 02/12/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.09 |
| 7707 | | | | | | |
| 02/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -9.79 |
| 02/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 9.79 |
| 7712 | | | | | | |
| 02/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -127.93 |
| 02/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 127.93 |
| 7720 | | | | | | |
| 02/20/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -44.95 |
| 02/20/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 7785 | | | | | | |
| 02/24/2025 | Expense | 1039 | Jeff Mac Construction | Parklette Refurb | Reconciled | -1,550.00 |
| 02/24/2025 | Expense | 1039 | Jeff Mac Construction | Parklette Repair | | 1,550.00 |
| 7744 | | | | | | |
| 03/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -24.34 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 03/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 24.34 |
| 7745 | | | | | | |
| 03/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -27.38 |
| 03/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 27.38 |
| 7749 | | | | | | |
| 03/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -63.11 |
| 03/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 63.11 |
| 7887 | | | | | | |
| 03/03/2025 | Expense | | Constant Contact | Constant Contact Services | Reconciled | -82.00 |
| 03/03/2025 | Expense | | Constant Contact | Constant Contact Services | | 82.00 |
| 7752 | | | | | | |
| 03/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -9.79 |
| 03/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 9.79 |
| 7757 | | | | | | |
| 03/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -37.76 |
| 03/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 37.76 |
| 7886 | | | | | | |
| 03/05/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 03/05/2025 | Expense | | Google | Google Apps | | 100.80 |
| 7759 | | | | | | |
| 03/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -13.69 |
| 03/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 13.69 |
| 7762 | | | | | | |
| 03/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -39.09 |
| 03/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.09 |
| 7766 | | | | | | |
| 03/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -18.40 |
| 03/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 18.40 |
| 7794 | | | | | | |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 03/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -74.23 |
| 03/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 74.23 |
| 7796 | | | | | | |
| 03/16/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -20.00 |
| 03/16/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 20.00 |
| 7821 | | | | | | |
| 03/19/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -44.95 |
| 03/19/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 7834 | | | | | | |
| 03/27/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -146.04 |
| 03/27/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 146.04 |
| 7939 | | | | | | |
| 03/27/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -99.00 |
| 03/27/2025 | Expense | | Intuit | Intuit Software Fees | | 99.00 |
| 7697 | | | | | | |
| 03/31/2025 | Expense | | Constant Contact | Constant Contact  Services | Reconciled | -82.00 |
| 03/31/2025 | Expense | | Constant Contact | Constant Contact  Services | | 82.00 |
| 7859 | | | | | | |
| 04/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -26.07 |
| 04/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 26.07 |
| 7865 | | | | | | |
| 04/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -43.11 |
| 04/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 43.11 |
| 7867 | | | | | | |
| 04/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -51.45 |
| 04/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 51.45 |
| 7940 | | | | | | |
| 04/07/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 04/07/2025 | Expense | | Google | Google Apps | | 100.80 |
| 7871 | | | | | | |
| 04/08/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee- | Reconciled | -48.29 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| | | | | name: DiscountRateFee, fee-type: Daily. | | |
| 04/08/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 48.29 |
| 7875 | | | | | | |
| 04/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -20.77 |
| 04/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 20.77 |
| 7892 | | | | | | |
| 04/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -52.92 |
| 04/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 52.92 |
| 7905 | | | | | | |
| 04/25/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -95.25 |
| 04/25/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 95.25 |
| 7769 | | | | | | |
| 04/28/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -99.00 |
| 04/28/2025 | Expense | | Intuit | Intuit Software Fees | | 99.00 |
| 7908 | | | | | | |
| 04/29/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -24.34 |
| 04/29/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 24.34 |
| 7993 | | | | | | |
| 05/01/2025 | Expense | | Constant Contact | Constant Contact  Services | Reconciled | -82.00 |
| 05/01/2025 | Expense | | Constant Contact | Constant Contact  Services | | 82.00 |
| 8018 | | | | | | |
| 05/03/2025 | Check | 1043 | JM Landscaping Maintenance LLC | | Reconciled | -5,016.00 |
| 05/03/2025 | Check | 1043 | JM Landscaping Maintenance LLC | Landscape boxes, material and plants/trees/flowers | | 5,016.00 |
| 7994 | | | | | | |
| 05/05/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 05/05/2025 | Expense | | Google | Google Apps | | 100.80 |
| 8067 | | | | | | |
| 05/14/2025 | Check | 1041 | Department of Justice | | Reconciled | -100.00 |
| 05/14/2025 | Check | 1041 | Department of Justice | Dept of Justice - Annual reporting Fee | | 100.00 |
| 8179 | | | | | | |
| 05/14/2025 | Check | 1042 | Department of Justice | | Reconciled | -75.00 |
| 05/14/2025 | Check | 1042 | Department of Justice | Dept of Justice - Annual reporting Fee | | 75.00 |
| 8043 | | | | | | |
| 06/02/2025 | Expense | | Constant Contact | Constant Contact  Services | Reconciled | -82.00 |
| 06/02/2025 | Expense | | Constant Contact | Constant Contact  Services | | 82.00 |
| 8044 | | | | | | |
| 06/05/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 06/05/2025 | Expense | | Google | Google Apps | | 100.80 |
| 8045 | | | | | | |
| 06/09/2025 | Expense | | United States Liability Insurance | | Reconciled | -3,394.00 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| | | | Co. | | | |
| 06/09/2025 | Expense | | United States Liability Insurance Co. | Liability Insurance - Paid on line | | 2,494.00 |
| 06/09/2025 | Expense | | United States Liability Insurance Co. | D&O Insurance | | 900.00 |
| 8046 | | | | | | |
| 06/10/2025 | Expense | | 1st Bank Card Services | | Reconciled | -39.09 |
| 06/10/2025 | Expense | | 1st Bank Card Services | Postage | | 39.09 |
| 8024 | | | | | | |
| 06/12/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -27.38 |
| 06/12/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 27.38 |
| 8035 | | | | | | |
| 06/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -57.29 |
| 06/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 57.29 |
| 8042 | | | | | | |
| 06/17/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -43.94 |
| 06/17/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 43.94 |
| 8059 | | | | | | |
| 06/26/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -9.79 |
| 06/26/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 9.79 |
| 8065 | | | | | | |
| 06/27/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -99.00 |
| 06/27/2025 | Expense | | Intuit | Intuit Software Fees | | 99.00 |
| 8066 | | | | | | |
| 06/27/2025 | Expense | | United States Liability Insurance Co. | | Reconciled | -530.00 |
| 06/27/2025 | Expense | | United States Liability Insurance Co. | Liability Insurance - Paid on line | | 530.00 |
| 8088 | | | | | | |
| 07/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -38.11 |
| 07/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 38.11 |
| 8178 | | | | | | |
| 07/01/2025 | Expense | | Constant Contact | Constant Contact Services | Reconciled | -91.00 |
| 07/01/2025 | Expense | | Constant Contact | Constant Contact Services | | 91.00 |
| 8094 | | | | | | |
| 07/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -90.07 |
| 07/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 90.07 |
| 8097 | | | | | | |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 07/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -44.95 |
| 07/04/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 8100 | | | | | | |
| 07/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -39.09 |
| 07/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.09 |
| 8103 | | | | | | |
| 07/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -9.79 |
| 07/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 9.79 |
| 8174 | | | | | | |
| 07/07/2025 | Expense | | Google | Google Apps | Reconciled | -100.80 |
| 07/07/2025 | Expense | | Google | Google Apps | | 100.80 |
| 8106 | | | | | | |
| 07/08/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -48.69 |
| 07/08/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 48.69 |
| 8116 | | | | | | |
| 07/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -27.38 |
| 07/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 27.38 |
| 8126 | | | | | | |
| 07/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -46.31 |
| 07/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 46.31 |
| 8129 | | | | | | |
| 07/15/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -44.95 |
| 07/15/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 8177 | | | | | | |
| 07/15/2025 | Check | 1044 | Dream Life Loud | | Reconciled | -3,000.00 |
| 07/15/2025 | Check | 1044 | Dream Life Loud | Seminar | | 3,000.00 |
| 8136 | | | | | | |
| 07/28/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -24.34 |
| 07/28/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee- | | 24.34 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| | | | | name: DiscountRateFee, fee-type: Daily. | | |
| 8175 | | | | | | |
| 07/28/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -115.00 |
| 07/28/2025 | Expense | | Intuit | Intuit Software Fees | | 115.00 |
| 8176 | | | | | | |
| 07/31/2025 | Expense | | Constant Contact | Constant Contact  Services | Reconciled | -91.00 |
| 07/31/2025 | Expense | | Constant Contact | Constant Contact  Services | | 91.00 |
| 8232 | | | | | | |
| 08/05/2025 | Expense | | Google | Google Apps | Reconciled | -113.26 |
| 08/05/2025 | Expense | | Google | Google Apps | | 113.26 |
| 8233 | | | | | | |
| 08/05/2025 | Expense | | Intuit | Intuit Software Fee | Reconciled | -115.00 |
| 08/05/2025 | Expense | | Intuit | Intuit Software Fees | | 115.00 |
| 8164 | | | | | | |
| 08/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -195.04 |
| 08/06/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 195.04 |
| 8170 | | | | | | |
| 08/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -31.75 |
| 08/07/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 31.75 |
| 8173 | | | | | | |
| 08/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -39.09 |
| 08/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.09 |
| 8190 | | | | | | |
| 08/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -34.93 |
| 08/13/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 34.93 |
| 8196 | | | | | | |
| 08/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -25.54 |
| 08/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 25.54 |
| 8203 | | | | | | |
| 08/18/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -44.95 |
| 08/18/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 44.95 |
| 8209 | | | | | | |
| 08/19/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Reconciled | -29.28 |

| TRANSACTION DATE | TRANSACTION TYPE | NUM | NAME | MEMO/DESCRIPTION | CLEARED | AMOUNT |
|---|---|---|---|---|---|---|
| 08/19/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 29.28 |
| 8214 | | | | | | |
| 08/31/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -24.34 |
| 08/31/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 24.34 |
| 8241 | | | | | | |
| 09/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -39.40 |
| 09/01/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 39.40 |
| 8244 | | | | | | |
| 09/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -74.86 |
| 09/02/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 74.86 |
| 8247 | | | | | | |
| 09/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -12.70 |
| 09/03/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 12.70 |
| 8253 | | | | | | |
| 09/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -66.51 |
| 09/05/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 66.51 |
| 8257 | | | | | | |
| 09/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -84.04 |
| 09/10/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 84.04 |
| 8286 | | | | | | |
| 09/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -103.73 |
| 09/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 103.73 |
| 8287 | | | | | | |
| 09/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | Uncleared | -25.54 |
| 09/14/2025 | Expense | | QuickBooks Payments | System-recorded fee for QuickBooks Payments. Fee-name: DiscountRateFee, fee-type: Daily. | | 25.54 |

# Administrative Report

H.12., **File #** 25-1485 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

## TITLE

ADOPT BY TITLE ONLY ORDINANCE NO. 3307-25, AN ORDINANCE OF THE CITY OF REDONDO BEACH, CALIFORNIA, ADOPTING BY REFERENCE THE 2025 EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE, CALIFORNIA HISTORICAL BUILDING CODE, THE CALIFORNIA REFERENCE STANDARDS CODE, 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2006 UNIFORM SWIMMING POOL, SPA, AND HOT TUB CODE, 1997 UNIFORM HOUSING CODE, AND 1997 UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS TOGETHER WITH CERTAIN DELETIONS, ADDITIONS AND AMENDMENTS TO TITLES 3, 5, AND 9 OF THE REDONDO BEACH MUNICIPAL CODE. FOR SECOND READING AND ADOPTION

## EXECUTIVE SUMMARY

Ordinance No. 3307-25 was approved for introduction and first reading on October 21, 2025, and is now ready for second reading and adoption.

## BACKGROUND

The California Building Standards Commission published the most recent edition of Title 24 of the California Code of Regulations, known as the California Building Standards Code, on July 1, 2025, with an effective date of January 1, 2026. The Triennial Code Adoption Cycle is a routine rule-making process that occurs every three years in which various agencies adopt building standards based on model codes. State law requires local governments to enforce the California Building Standards Code. Most cities adopt the published Title 24 by reference and must adopt these codes with any local amendments prior to January 1, 2026. The California Building Standards Codes includes the 2025 California Building, Residential, Electrical, Mechanical, Plumbing, Energy, Existing, and Green Building Codes and was approved by the City Council for introduction and first reading on October 21, 2025.

## COORDINATION

This report was prepared by the Community Development Department in coordination with the City Attorney's Office. The Ordinance has been reviewed and approved as to form by the City Attorney's Office.

## FISCAL IMPACT

Funding for the preparation of this report and the proposed Ordinance is available in the annual operating budgets of the Community Development Department and the City Attorney's Office.

**APPROVED BY:**

*Mike Witzansky, City Manager*

## ATTACHMENTS

- Ord - No. 3307-25 Amending Title 9 Building Code and Title 3 Chapter 4 Fire Prevention Code
- Administrative Report - City Council, October 21, 2025

ORDINANCE NO 3307-25

AN ORDINANCE OF THE CITY OF REDONDO BEACH ADOPTING BY REFERENCE THE 2025 EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE, CALIFORNIA HISTORICAL BUILDING CODE, THE CALIFORNIA REFERENCED STANDARDS CODE, 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE, UNIFORM SWIMMING POOL, SPA, AND HOT TUB CODE 2006, 1997 UNIFORM HOUSING CODE, AND 1997 UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS TOGETHER WITH CERTAIN DELETIONS, ADDITIONS AND AMENDMENTS TO TITLES 3, 5 AND 9 OF THE REDONDO BEACH MUNICIPAL CODE.

WHEREAS, in accordance with state law, local jurisdictions can incorporate additional regulations that address special circumstances in the community or area provided that they are at least as restrictive as the statewide codes; and

WHEREAS, to ensure compliance with AB 130 the existing 2022 Edition of the California Building Standards Codes amendments associated with Group R occupancies, as listed in Section 310 of the California Building Code, as well as the detached on- and two- family dwellings and townhouses, as listed in the California Residential Code are being carried forward into the 2025 Edition of the California Building Standards Codes; and

WHEREAS, the California Health and Safety Code Sections 17958, 17958.5, and 17958.7 require the governing body of a city, before making any modifications or changes to the California Building Standards Code, to make express findings that such modifications or changes are reasonably necessary because of local climatic, geological or topographical conditions, as documented in Exhibit A; and

WHEREAS, based on the foregoing, the City Council of the City of Redondo Beach does hereby find that the proposed amendments to the 2025 Edition of the California Building Standards Codes are reasonably necessary for reasons of local climatic, geologic, and topographic conditions as set forth in “Exhibit A” of this ordinance; and

WHEREAS, The City Council desires to repeal specified chapters of Title 9 of the Redondo Beach Municipal Code and amended herein with local amendments.

THE CITY COUNCIL OF THE CITY OF REDONDO BEACH DOES ORDAIN AS FOLLOWS:

**SECTION 1**. The City Council hereby finds that it can be seen with certainty that there is no possibility that the adoption of this Ordinance may have a significant effect on the environment. It is therefore exempt from review under the California Environmental Quality Act pursuant to Title 14, Section 15061(b)(3) of the California Code of Regulations (CEQA Guidelines).

**SECTION 2**. Title 9, Chapter 1, Section 9-1.00 of the Redondo Beach Municipal Code is hereby repealed.

**SECTION 3**. Title 9, Chapter 1, Section 9-1.101 and Section 9-1.101.1 of the Redondo Beach Municipal Code is amended to read as follows:

**"Chapter 1 BUILDING CODE.**

**9-1.01 Adoption of the 2025 California Building Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled the "2025 California Building Code," including Chapter 33, and **Appendices B, F, G, H, I, J, P & Q** (including Chapter/Section 1, Division 2) therein contained, promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed in the construction, alteration, improvements, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal, demolition, conversion, area and height, of buildings or structures or any appurtenances connected or attached to such buildings or structures in the city; and subject to the additions, deletions and amendments set forth in this chapter, said Code with its Appendices B, F, G, H, I, J, P & Q and the said Standards containing said rules, regulations, standards, provisions and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Building Code" of and for the City.

**9-1.01.1 Administration.**

All administrative sections of the California Administrative Code, California Residential Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Historical Building Code, California Existing Building Code, California Referenced Standards, 2021 International Swimming Pool and Spa and Hot Tub Code and 2021 International Solar Energy Provisions Code are hereby deleted and replaced by Chapter 1, Division ll of the California Building Code 2025 Edition."

**SECTION 4**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.02 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"9-1.02 Permit required.**

Section [A], 105.1, Chapter 1 Division II of the California Building Code is hereby amended and shall read as follows:

**[A] 105.1 Permits Required.** Except as specified in Section [A] 105.2 of this Section, no building or structure regulated by this code shall be erected, constructed, enlarged, altered, repaired, moved, improved, removed, converted, demolished, or change of occupancy of a building or structure, unless a separate permit for each building or structure has first been obtained from the Building Official.

**Section [A] 105.2 Work Exempt From Permit**, Items 1, 2, 9, of the California Building Code are hereby amended to read as follows.

1. One-story detached accessory buildings used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet (11m$^2$), when the surface of adjacent grade does not exceed one unit vertical in 10 units horizontal (10-percent slope); the building does not contain electrical, mechanical or plumbing work and the building conforms to the applicable zoning regulations of Title 10 Planning and Zoning of the Municipal Code.

2. Wood fences not exceeding 6 feet (1829mm) in height including concrete or masonry pilasters unless fence is built on slope and retains earth, and masonry and concrete fences that are not over 5 feet (1524mm) in height unless built on a slope or retaining earth.

9. Prefabricated swimming pools accessory to a Group R-3, Occupancy that are less than 18 inches (457.5 mm) deep, do not exceed 5,000 gallons (18927 L) and are installed entirely above ground."

**SECTION 5**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.03 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"9-1.03 Fees.**

Section [A] 109.2, 109.3, 109.4, and 109.6 of the California Building Code are hereby amended to read as follows:

**[A] 109.2 Schedule of permit fees.**
Plan review fees, permit fees, investigation fees, penalty and violation fees, and other charges required under this Title shall be as prescribed in the City's Master Fee Schedule, as established and amended by ordinance of the City Council.

**[A] 109.3 Building Permit Valuations.** The applicant for a permit shall provide an estimated permit value at the time of application. Permit valuations shall include the total value of work, including materials and labor, for which the permit is being issued, such as electrical, gas, mechanical, plumbing equipment, fire extinguishing, and permanent systems. If in the opinion of the Building Official, the valuation is underestimated on the application, the permit shall be denied, unless the applicant can show detailed estimates to meet the approval of the Building Official. Final building permit valuation shall be set by the Building Official. The determination of value or valuation for residential remodels shall be 65 percent of the new cost of construction.

**[A] 109.4 Work Commencing Before Permit Issuance.** Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to double the total permit fees and all enforcement costs."

**[A] 109.6 Refunds.** The refund of fees shall be 80% of the permit fees that government resources have not been expended to complete."

**SECTION 6**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.04 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-1.04 Violations and penalties.**

Section [A] 114.4 of the California Building Code is hereby amended as follows:

**[A] 114.4 Violation penalties.** It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish, equip, use, occupy or maintain any

building or structure or cause or permit the same to be done in violation of this code. The penalty for any violation, upon the conviction of any violation, shall be a fine of not more than one thousand dollars ($1000.00), or imprisonment in a County Jail for a period not exceeding six (6) months, or both such fine and imprisonment. Each such person shall be guilty of a separate offense for each and every day during any portion of which any violation of any provision of the ordinances of Redondo Beach is committed, continued, or permitted by any such person, and shall be punished accordingly."

**SECTION 7**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.05 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"9-1.05 Fire Sprinkler Systems.**

Section 903 of Chapter 9 of the California Building Code is hereby amended as follows:

Section [F] 903.2.1.1.1 is added to read as follows:

**[F] 903.2.1.1.1 Group A-1.** An automatic sprinkler system shall be provided for group A-1 undergoing remodel/tenant improvements under the following conditions:

1. Additions exceeding 1000 square feet.

2. Addition of a second floor above ground level.

3. Additions where combined area on all floors and mezzanines exceed 1000 square feet.

4. Change of occupancy classification to an assembly use or classification change of any other occupancy exceeding 1000 square feet.

Section [F] 903.2.1.2.1 is added to read as follows:

**[F] 903.2.1.2.1 Group A-2**. An automatic sprinkler system shall be provided for group A-2 undergoing remodel/tenant improvements under the following conditions:

1. Additions exceeding 1000 square feet.

2. Addition of a second floor above ground level.

3. Additions where combined area on all floors and mezzanines exceed 1000 square feet.

4. Change of occupancy classification to an assembly use or classification change of any other occupancy exceeding 1000 square feet.

Section [F] 903.2.1.3.1 is added to read as follows:

**[F] 903.2.1.3.1 Group A-3.** An automatic sprinkler system shall be provided for group A-3 undergoing remodel/tenant improvements under the following conditions:

1. Additions exceeding 1000 square feet.

2. Addition of a second floor above ground level.

3. Additions where combined area on all floors and mezzanines exceed 1000 square feet.

4. Change of occupancy classification to an assembly use or classification change of any other occupancy exceeding 1000 square feet.

Section [F] 903.2.1.4.1 Group A-4 is added to read as follows:

**[F] 903.2.1.4.1 Group A-4.** An automatic sprinkler system shall be provided for group A-4 undergoing remodel/tenant improvements under the following conditions:

1. Additions exceeding 1000 square feet.

2. Addition of a second floor above ground level.

3. Additions where combined area on all floors and mezzanines exceed 1000 square feet.

4. Change of occupancy classification to an assembly use or classification change of any other occupancy exceeding 1000 square feet.

Section [F] 903.2.1.5.2 is added to read as follows:

**[F] 903.2.1.5.2 Group A-5.** An automatic sprinkler system shall be provided for group A-5 undergoing remodel/tenant improvements under the following conditions:

1. Additions exceeding 1000 square feet.

2. Addition of a second floor above ground level.

3. Additions where combined area on all floors and mezzanines exceed 1000 square feet.

4. Change of occupancy classification to an assembly use or classification change of any other occupancy exceeding 1000 square feet.

Section [F] 903.2.1.8 is added to read as follows:

**[F] 903.2.1.8 Group B.** An automatic sprinkler system shall be provided throughout buildings containing a Group B occupancy where one of the following conditions exists:

4. Where a Group B fire area exceeds 1000 square feet;

5. Where a Group B fire area is located more than one story above grade plane; or

6. Where the combined area of all fire areas on all floors, including any mezzanines, exceeds 1000 square feet.

Section [F] 903.2.3 is amended to read as follows:

**[F] 903.2.3 Group E.** Except as provided for in Sections 903.2.3.19 and 903.2.3.20 for publics school campus and 907.2.3.7 (fire alarm and detection) for modernization of an existing public school campus building(s), an automatic sprinkler system shall be provided for Group E occupancies as follows:

1. Throughout all Group E fire areas when greater than 1000 square feet in area, or located more than one story above grade plane, or where the combined area of all fire areas on all floors, including any mezzanines, exceed 1000 square feet.

2. Throughout every portion of educational buildings below the level of exit discharge.

3. In rooms or areas with special hazards such as laboratories, vocational shops and other such areas where hazardous materials in exempt amounts are used or stored.

Section [F] 903.2.4 is amended to read as follows:

**[F] 903.2.4 Group F-1.** An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exists:

1. Where a Group F-1 fire area exceeds 1000 square feet.

2. Where a Group F-1 fire area is located more than one story above grade plane; or

3. Where the combined area of all fire areas on all floors, including any mezzanines, exceeds 1000 square feet.

Section [F] 903.2.4.1 is amended to read as follows:

**[F] 903.2.4.1 Woodworking operations.** An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain woodworking operations in excess of 1000 square feet in area which generate finely divided combustible waste or use finely divided combustible materials.

Section [F] 903.2.6 is amended to read as follows:

**[F] 903.2.6 Group I.** An automatic sprinkler system shall be provided throughout buildings with a Group I fire area.

An automatic sprinkler system designed in accordance with Section 903.3.1.3 shall not be utilized in Group I-1.

Section [F] 903.2.7 is amended to read as follows:

**[F] 903.2.7 Group M.** An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. Where a Group M fire area exceeds 1000 square feet;

2. Where a Group M fire area is located more than one story above grade plane; or

3. Where the combined area of all fire areas on all floors, including any mezzanines, exceeds 1000 square feet.

Section [F] 903.2.9 is amended to read as follows:

**[F] 903.2.9 Group S-1.** An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exists:

4. A Group S-1 fire area exceeds 1000 square feet.

5. A Group S-1 fire area is located more than one story above grade plane; or

6. The combined area of all S-1 fire areas on all floors, including any mezzanines, exceeds 1000

square feet.

Section [F] 903.2.9.1 is amended to read as follows:

**[F] 903.2.9.1 Repair garages.** An automatic sprinkler system shall be provided throughout all buildings used as repair garages in accordance with Section 406, as shown:

1. Buildings with a fire area containing a repair garage exceeding 1000 square feet.

2. Buildings with a repair garage servicing vehicles parked in the basement.

Section [F] 903.2.9.2 is amended to read as follows:

**[F] 903.2.9.2 Bulk storage of tires.** Buildings and structures for the storage of tires shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

Section [F] 903.2.10 is amended to read as follows:

**[F] 903.2.10 Group S-2.** An automatic sprinkler system shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.4 or where located beneath other groups.

Section [F] 903.2.8 is amended to read as follows:

**[F] 903.2.8 Group R3 and U.** An automatic sprinkler system installed in accordance with Section 903.3 shall be provided throughout all buildings with a Group R and/or Group U fire area.

Exceptions:

1. Detached ADU where the main dwelling unit is not protected by fire sprinklers

2. Detached Group U accessory buildings not exceeding 1000 square feet.

Section [F] 903.2.8.3 is amended to read as follows:

**[F] 903.2.8.3 Group R-4, Condition 1.** An automatic sprinkler system designed in accordance with Section 903.3.1.3 shall not be utilized in Group R-4.

Section [F] 903.2.22 is added to read as follows:

**[F] 903.2.22 Existing buildings of all occupancies.** In existing buildings, an automatic sprinkler system shall be required throughout the entire building whenever more than a 1200 square feet addition and/or an additional story is added to the existing building.

Section [F] 903.3.1.3 is amended to read as follows:

**Section 903.3.1.3 NFPA 13D sprinkler systems.** Where allowed, automatic sprinkler systems in one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories above grade plane in height with a separate means of egress shall be installed throughout in accordance with NFPA 13D."

**SECTION 8**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.06 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**“9-1.06 Permit expiration.**

Section [A] 105.5 is hereby amended to read as follows:

**[A] 105.5 Expiration.** Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 12 months after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 12 months after the time the work is commenced. The Building Official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each and not exceeding two (2) calendar years. The extension shall be requested in writing and justifiable cause demonstrated.

Before such work can be recommenced, a new permit, or a renewed permit as specified below, shall be first obtained.

For permits where work has not commenced within 12 months from the date of such permit, a renewed permit may be obtained provided that: (1) no changes have been made or will be required in the original plans and specifications for such work; and (2) the expiration has not exceeded two (2) calendar years from the original issuance date.

For permits where work had commenced and was subsequently suspended or abandoned for a period exceeding 12 months (365 days), a renewed permit may be obtained provided that: (1) No changes have been made or will be required in the original plans and specifications for such work; and (2) the expiration has not exceeded two (2) calendar years from the issuance date, and/or (3) where construction has progressed and has been approved, to the point whereby only a final inspection(s) is required, a fee shall be determined based on the number of estimated inspections, estimated staff time, and required meetings as determined by the Building Official.

For permits that have exceeded two years beyond the issuance date, a new permit is required. The applicant shall pay the fee based on the valuation of the uncompleted work required for a plan check and a new permit and plans will be reviewed under the current codes and ordinances at the time of the new applications. The Building Official may determine that the applicable Building Codes issued under the original permit may be utilized based on the remaining scope of work to be completed on a case-by-case basis.

If the owner or applicant fails to complete the construction work within the time required, the Building Official is authorized to obtain the abatement of any unsafe condition or nuisance created by such incomplete work. The City Attorney is authorized to file an action for the abatement of any such unsafe condition or nuisance if required to do so by the Building Official.”

**SECTION 9**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.06.1 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**“9-1.06.1 Construction Documents.**

Section [A] 107.1 is hereby amended, and [A] 107.1.1 is added to read as follows:

**[A] 107.1 General.** Submittal documents consisting of construction documents, statements of special inspections, geotechnical reports, and other data shall be submitted in two or more sets or in digital format where allowed by the Building Official, with each permit application. The construction documents for all new commercial buildings. commercial tenant improvements, and residential group R-2 shall be prepared by a registered design professional. Where special conditions exist, the Building Official is authorized to require additional construction documents to be prepared by a registered design

professional.

**[A] 107.1.1 Plan Review Fees.** When submittal documents are required by the Building Official, a plan review fee shall be paid at the time of submitting the submittal documents for plan review. Said plan review fee shall be determined by the most current city Master Fee Schedule.

The plan review fees specified in this section are separate and in addition to any permit fees required by Section 109.1.

When submittal documents are incomplete or changed so as to require additional plan review or when the project involves deferred submittal items as defined in Section [A] 107.3.4.1, an additional plan review fee shall be charged as determined by the most current city Master Fee Schedule."

**SECTION 10**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.06.1.1 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"9-1.06.1.1 Expiration of Plan Review.**

Section [A] 105.3.2 is hereby amended to read as follows:

**[A] 105.3.2 Time limitation of application.** Applications for which no permit is issued within 12 months following the date of application shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the Building Official. Upon written request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken, the Building Official may provide a one-time extension not to exceed 180 days, at which time a permit shall be issued. An application may only be extended once unless otherwise determined by the Building Official on a case-by-case basis. Should the permit not be issued after a one-time extension has been granted, the applicant shall submit a new application, pay new plan review fees, and plans shall be reviewed under current codes and ordinances at the time of the new application."

**SECTION 11**. AMENDMENT OF CODE. Title 9, Chapter 1, Section 9-1.06.2 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-1.06.2 Certificate of Occupancy**

Section [A] 111.1 is hereby amended to read as follows:

**[A] 111.1 Use and occupancy.** No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the Building Official has issued a certificate of occupancy thereof as provided herein. The final of a building permit shall act as the certificate of occupancy for change of use in existing buildings or structures and new single-family dwellings and new condominiums. A certificate of occupancy shall only be issued for new commercial construction. Issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction."

**SECTION 12**. AMENDMENT OF CODE. Title 9, chapter 1, Section 9-1.08 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**9-1.08 Roofing and re-roofing.**

"Section 1505.1 is hereby amended as follows:

The entire roof covering Class “C” of every existing structure where more than twenty-five (25%) percent of the total roof area is replaced within any one-year period, the entire roof covering of every new structure, and any roof covering applied in the alteration, repair or replacement of the roof of every existing structure, shall be a fire-retardant roof covering that is at least Class A or B roofs as defined in the California Building Code.

Table 1505.1 is hereby amended as follows:

All roof classifications of “C” shall be deleted from Table 1505.1 and replaced by class “B” roof classifications.”

**SECTION 13**. AMENDMENT OF CODE. Title 9, chapter 1, Section 9-1.09 of the Redondo Beach Municipal Code is hereby amended to read as follows:

“**9-1.09 Grading permits and fees.**

(a) **General.** Fees shall be assessed in accordance with the provisions of this section.

(b) **Plan Review Fees.** When a plan or other data are required to be submitted, a plan review fee shall be paid at the time of submitting plans and specifications for review. Said plan review fee shall be set as in the current Master Fee Schedule. Separate plan review fees shall apply to retaining walls or major drainage structures as required elsewhere in this Code. For excavation and fill on the same site, the fee shall be based on the volume of excavation and fill.

(c) **Grading Permit Fees.** The fee for each grading permit shall be set as in the current Master Fee Schedule. Separate permits and fees shall apply to retaining walls or major drainage structures as required elsewhere in this Code. There shall be no separate charge for standard terrace drains and similar facilities.”

**SECTION 14**. AMENDMENT OF CODE. Title 9, Chapter 28, Section 9-1.28 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**“9-1.28 Construction notification.**

**Demolition permits.** The contractor or owner is required to send by certified mail a notification letter to all the apartment units, condominiums, or house addresses located on the ten (10) adjacent properties to the construction site. Proof of paid certified mail notification letters are required to be submitted to the Building and Safety Division (14) days prior to commencing demolition.

**Building permits.** The contractor or owner is required to send by certified mail a notification letter to all the apartment units, condominiums, or house addresses located on the ten (10) adjacent properties to the construction site. Proof of paid certified mail notification letters are required to be submitted to the Building and Safety Division (14) days prior to commencing construction.

This notification letter would apply only to building permits with a valuation listed at One Hundred Fifty Thousand ($150,000.00) Dollars or more, and to all demolition permits. The Building and Safety Division will provide a list of all the apartment units, condominiums, or house addresses located on the ten (10) adjacent properties the contractor/owner is required to notify. The contractor/owner is required to notify the five (5) adjacent properties surrounding the construction site, as well as the three (3) properties directly across the street, and two (2) further properties, notified from an optional four (4) properties, with frontage on the same street as the permitted construction. In the case of a property located on a street corner, the contractor/owner is required to notify the three (3) adjacent properties

surrounding the construction site, as well as the five (5) properties located across the two (2) intersecting streets, and the two (2) remaining properties (notified from an optional four (4) properties) with frontage on the same street as the permitted construction. For construction sites not meeting either condition listed above, the Building and Safety Division will assign the ten (10) required properties to be notified.

**Exception:**

1. Where the valuation is less than 150,000 Dollars and an addition greater than 50 square feet is being constructed construction notification shall be required.

2. Remodels that include removal of exterior siding/ stucco where framing is exposed, or roof pitch modification and is less than 150,000 Dollars construction notification shall be required.

The notification letter shall include the following information: the name and address of contractor and owner, the contact telephone number for contractor and owner, the job address, a description of work, and the approximate construction start date."

**SECTION 15**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.01 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"Chapter 22 RESIDENTIAL CODE**

**9-22.01 Adoption of the 2025 California Residential Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled "2025 California Residential Code," including Chapter 1, Division 2 and **Appendices BB, BF, BH, BM, CI, and CJ** therein contained, promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as set forth herein at length, are hereby established and adopted as the rules, regulations, and provisions and conditions to be observed and followed in the construction, enlargement, alteration, movement, replacement, repair, equipment, use and occupancy, location, removal and demolition, conversion, use, height, area and maintenance of buildings, structures and improvements of every detached one-and two-family dwelling, townhouse not more than three stories above grade plane in height with a separate means of egress and structures accessory thereto in the city and related subjects, items and matters as set forth in said Code, within the City. Subject to the additions, deletions and amendments set forth in this chapter, said Code, with its said Chapter 1, Division 2 and Appendices BB, BF, BM, CI, and CJ, is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Residential Code" of and for the City."

**SECTION 16**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.03 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.03 Permit required.**

Section R105.1, Chapter 1 Division II is hereby amended and shall read as follows:

**R105.1 Permits Required.** Refer to RBMC 9-1.02 Section [A] 105.1 Permits Required.

**Section R105.2 Work Exempt From Permit.** Refer to RBMC 9-1.02 Section [A] 105.2 Work Exempt From Permit."

**SECTION 17**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.05 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.05 Fees.**

Section R108.2 is amended as follows:

**R108.2 Schedule of Permit Fees.** Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of Permit Fees

Section R108.3 is amended as follows:

**R108.3 Building Permit Valuations.** Refer to RBMC 9-1.03 Section [A] 109.3 Building Permit Valuations.

Section R108.5 is amended as follows:

**R108.5 Refunds.** Refer to RBMC 9-1.03 Section [A] 109.6 Refunds.

Section R108.6 is amended as follows:

**R108.6 Work Commencing Before Permit Issuance.** Refer to RBMC 9-1.03 Section [A] 109.4 Work Commencing Before Permit Issuance."

**SECTION 18**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.05.1 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.05.1 Permit Expiration.**

Section R105.5 is hereby amended to read as follows:

**R105.5 Expiration.** Refer to RBMC 9-1.06 Section [A] 105.5 Expiration."

**SECTION 19**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.05.2 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.05.2 Construction Documents**

Section R106.1 is amended to read as follows:

**R106.1 General.** Refer to RBMC 9-1.06.1 Section [A] 107.1 General.

Section R106.1.1.1 is added to read as follows:

**R106.1.1.1 Plan Review Fees.** Refer to RBMC 9-1.06.1 Section [A] 107.1.1 Plan Review Fees."

**SECTION 20**. AMENDEMENT OF CODE. Title 9, Chapter 22, Section 9-22.05.3 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.05.3 Expiration of Plan Review.**

Section R105.3.2 is hereby amended to read as follows:

**R105.3.2 Time limitation of application.** Refer to RBMC 9-1.06.1.1 Section [A] 105.3.2 Time limitation of application."

**SECTION 21**. Title 9, Chapter 2, Section 9-22.06 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.06 Certificate of Occupancy.**

Section R110.3 is hereby amended to read as follows:

**R110.3 Certificate Issued.** Refer to RBMC 9-1.06.2 Section [A] Use and Occupancy."

**SECTION 22**. Title 9, Chapter 2, Section 9-22.07 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.07 Violations and penalties.**

Section R113.4 is hereby amended to read as follows:

**R113.4 Violation Penalties.** Refer to RBM 9-1.04 Section [A] 114.4 Violation Penalties."

**SECTION 23**. Title 9, Chapter 2, Section 9-22.08 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-22.08 Fire extinguishing systems.**

Section R309 is hereby amended to read as follows:

**R309.1 Townhouse automatic fire sprinkler systems.** An automatic residential fire sprinkler shall be installed in townhouses.

**Exception:** An automatic residential fire sprinkler system shall be required when additions of more than 1200 square feet or an additional story is added to the existing townhouses that do not have an automatic residential fire sprinkler system installed.

**R309.2 One- and two-family dwellings automatic fire sprinkler systems.** An automatic residential fire sprinkler shall be installed in one- and two-family dwellings.

**Exception:** An automatic sprinkler system must be provided throughout every existing R-3 occupancy when a 1,200 square foot or greater addition occurs established by the Building Code Official. Reference RBMC 3-4.108 Section 903.2.8.1.1."

**SECTION 24**. AMENDEMENT OF CODE. Title 9, Chapter 25 of the Redondo Beach Municipal Code is hereby amended and shall read as follows:

"**Chapter 25 HISTORICAL BUILDING CODE**

**9-25.01 Adoption of the 2025 California Historical Building Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the

rules, regulations, provisions and conditions set forth in that certain Code entitled "2025 California Historical Building Code," including the **Appendix A** therein contained, promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed in the repair, alteration and additions necessary for the preservation, restoration, reconstruction, rehabilitation, relocation, or continued use of a qualified historical building or property when so elected by the private property owner in the city; and subject to the additions, deletions and amendments set forth in this chapter, said Code with its Appendix A and the said Standards containing said rules, regulations, standards, provisions and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Historical Building Code" of and for the City."

**SECTION 25**. AMENDEMENT OF CODE. Title 9, Chapter 3, Section 9-3.01 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Chapter 3 ELECTRICAL CODE.**

**9-3.01 Adoption of 2025 California Electrical Code and Chapter 1, Division II of the California Building Code for Administrative Code Provisions for the Electrical Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive of the Government Code of the State and subject to the particular additions, amendments, and deletions set forth in this chapter, the rules, regulations, provisions, and conditions set forth in those certain Codes entitled "2025 California Electrical Code",("CEC"), **including the Annexes and Tables** therein contained, promulgated and published by the National Fire Protection Association of Quincy, Massachusetts and the California Building Standards Commission, including the Annexes and Tables therein contained, one (1) full printed copy of which, printed as a Code in book form, was by the Council ordered filed and which has been actually filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the rules, regulations, standards, provisions, and conditions to be observed and followed in the installation, arrangement, alteration, repair, use, and operation of electrical wire connections, fixtures, and other electrical appliances, and subject to the additions, amendments, and deletions set forth in this chapter, said Code with its Annexes and Tables, containing said rules, regulations, standards, provisions, and conditions, is hereby established and adopted by reference, and the same shall be designated, known, and referred to as the "Electrical Code" of and for the City."

**SECTION 26**. AMENDEMENT OF CODE. Title 9, Chapter 3, Section 9-3.02 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.02 Violations and penalties.**

Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, alters or repairs a building or structure in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be subject to the penalties as prescribed by law. Every person who willfully resists, delays, obstructs or interferes in any way with the Building Official or his or her authorized representative in the discharge or attempt to discharge any duty of his or her office or employment shall be guilty of a violation of this Chapter.

Any person, firm, or corporation violating any of the provisions or failing to comply with any of the mandatory requirements of the ordinances of Redondo Beach shall be guilty of a misdemeanor. Any

person convicted of a misdemeanor under the ordinances of Redondo Beach shall be punished by a fine of not more than one thousand dollars ($1,000), or by imprisonment not to exceed six (6) months, or by both such fine and imprisonment. Each such person shall be guilty of a separate offense for each and every day during any portion of which any violation of any provision of the ordinances of Redondo Beach is committed, continued, or permitted by any such person, and shall be punished accordingly."

**SECTION 27**. AMENDEMENT OF CODE. Title 9, Chapter 3, Section 9-3.03 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.03 Fees.**

Section 89.108.4.2 is amended as follows:

**89.108.4.2 Fees.** The fees shall be determined by the most current City Resolution of Fees.

**Plan Review Fees**. Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of permit fees.

**Work commencing before permit issuance**. Refer to RBMC 9-1.03 Section [A] 109.4 Work Commencing Before Permit Issuance.

**Investigation**. Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation may be required before a permit may be issued for such work.

**Investigation Fee**. Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of permit fees."

**SECTION 28**. AMENDEMENT OF CODE. Title 9, Chapter 3, Section 9-3.04 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.04 Plans and specifications.**

Section 89.108.4.3 is amended to read as follows:

**89.108.4.3 Plan review and Time limitation.**

**Electrical Plans and Specifications**. When required by the Building Official, electrical plans, specifications, and applications shall be filed and approved by the Building Official prior to any electrical wiring or installations.

Electrical plans and specifications for all occupancies listed in the current adopted California Building Code shall be prepared by an Electrical Engineer who possesses a valid Professional Electrical Engineering Registration issued pursuant to and in accordance with the laws of the State of California. All electrical sheets shall be stamped and signed by the licensed Professional Electrical Engineer.

Electrical plans shall include but are not limited to load schedule, wiring diagrams, homeruns, wire sizes, location and size of service panels and subpanels, method of grounding of service. Electrical plans for the following types of projects must be submitted for electrical plan check:

1. All Commercial and Industrial projects, tenant improvements, additions, and service changes.

2. The mixed Occupancy of R-2 and U Occupancy where U Occupancy is between 1000 and 3000 square feet or when service is over 400 amps.

3. R-3 Occupancy and U Occupancy when service is over 400 amps.

Electrical Load Calculations shall be prepared and submitted by a licensed electrical contractor and/or owner/builder under the following conditions:

1. R-3 Occupancy including new construction, additions, and service changes.

2. U Occupancy (which is part of the R -3 Occupancy), which does not exceed 1000 square feet in area.

**Exception:** The Building Official may waive the submission of electrical plans, calculations, etc., if it is found that the nature of the work applied for is such that reviewing of electrical plans is not necessary to obtain compliance with this Code."

**SECTION 29**. AMENDMENT OF CODE. Title 9, Chapter 3, Section 9-3.05 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.05 Expiration of plan review.**

Section 9-1.06.1.1 Expiration of Plan Review of the Redondo Beach Municipal Code shall apply."

**SECTION 30.** AMENDMENT OF CODE. Title 9, Chapter 3, Section 9-3.06 of the Redondo Beach Municipal Code is hereby added and shall read as follows:

"**9-3.06 Permit limitation.**

Section 105.5 of said Chapter 1, Division II of the California Building Code for Administrative Code Provisions for the California Electrical Code 2025 is hereby amended to read:

**Section 105.5 Expiration.** Refer to RBMC 9-1.06 Section [A] 105.5 Expiration."

**SECTION 31**. AMENDMENT OF CODE. Title 9, Chapter 3, Section 9-3.07 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.07 Expiration of Plan Review.**

Section 9-1.06.1.1 of the Redondo Beach Municipal Code shall apply."

**SECTION 32**. AMENDMENT OF CODE. Title 9, Chapter 3, Section 9-3.08 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.08 Undergrounding services.**

Section 9-3.08 is amended to read as follows:

**Section 230.30 (A) Installation** is amended by the addition of subsection (5) to read as follows:

(5) Underground Utilities Required. All new buildings and structures in the City of Redondo Beach shall provide underground electrical and communication service laterals on the premises to be served, as hereinafter required.

(a) New Construction. All electrical, telephone, cable television system, and similar service wires and cables which provide direct service to new main buildings, new accessory buildings, and structures, shall be installed underground in compliance with

all applicable building and electrical codes, safety regulations, and orders, rules of the Public Utilities Commission of the State of California, and specifications or standards of the Engineering Department.

(b) Existing Buildings. Such service wires and cables shall also be placed underground when existing buildings, existing accessory buildings, and structures are repaired, remodeled, altered, expanded, or requiring the relocation or replacement of service panel.

(c) Wiring. Between the accessory buildings and the main buildings shall be in an underground system and shall be in a separate conduit so that replacement may be made without disturbing other groups of service wires, unless otherwise approved by the Building Official.

(d) Responsibility for Compliance. The Contractor and Owner shall be and are jointly and severally responsible for complying with the requirements of this section and shall make the necessary arrangements with the utility companies servicing the structure for the installation of such facilities.

If a proposed building or structure would create a situation which would make unreasonable, impractical, or physically impossible the continuance of overhead utility service to an existing adjacent property (or properties), then the Contractor and owner of the proposed building or structure shall be responsible for relocating such utilities per utility company specifications, and shall be installed underground in compliance with all applicable codes, safety regulations, and orders, rules of the Public Utilities Commission of the State of California, and specifications or standards of the Public Works Department.

(e) Appurtenances. For the purpose of this section, appurtenances and associated equipment such as, but not limited to, service mounted transformers, pedestal mounted terminal boxes and meter cabinets may be placed above ground if permitted by and in accordance with the rules of the State Public Utilities Commission.

(f) Waiver of Underground Requirements. In new construction or in additions to and or remodeling of existing buildings, if topographical, soil, or any other conditions make such underground installations unreasonable or impractical, a waiver of some, or all of the requirements of this section may be granted by the Building Official, provided that a special electrical panel with connectors that are capable of accepting either the overhead or the underground power supply cables, and a four (4″) inch pipe leading from the panel to the outer side of the foundation system (sweep) installed inside the exterior wall of the building, shall be installed at the time of construction, as a minimum for future underground utility cables connection. A written approval from Southern California Edison is required, when necessary, subject to the installation of all necessary electrical conduits, terminal boxes and other appurtenances as may be required to provide underground service in the future.

Exceptions: This section shall not apply to:

(i) Utility lines which do not provide service to the area being developed.

(ii) Properties which are served by the rear from utilities not located within public rights of way."

**SECTION 33**. AMENDEMENT OF CODE. Title 9, Chapter 3, Sections 9-3.09 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-3.09 Service equipment.**

Section 230.70 (A) (1) is amended to read as follows:

> (A) The service disconnecting means shall be installed at a readily accessible location outside of the building. The service disconnecting means may be located inside nearest the point of entrance of the service conductors where approved by the Building Official.

Section 230.79 is amended to add subsection (E) to read as follows:

> **(E) Multi-Family Dwellings.** For each multi-family dwelling, the service disconnecting means shall have a rating of net less than 100amperes, 3-wire."

**SECTION 34**. AMENDEMENT OF CODE. Title 9, Chapter 26, Sections 9-26.01 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"Chapter 26 CALIFORNIA ADMINISTRATIVE CODE**

**9-26.01 Adoption of the 2025 California Administrative Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled "2025 California Administrative Code," promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the administrative regulations regarding the adoption of building standards; and subject to the additions, deletions and amendments set forth in this chapter, said Code and the said Standards containing said rules, regulations, standards, provisions and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Administrative Code" of and for the City."

**SECTION 35**. AMENDEMENT OF CODE. Title 9, Chapter 5, Section 9-5.01 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Chapter 5 PLUMBING CODE**

**9-5.01 Adoption of the 2025 California Plumbing Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled "2025 California Plumbing Code" including the Appendices A, B, C, D, G, H, I, J, K, L, and M therein contained, promulgated and published by the International Association of Plumbing and Mechanical Officials of Ontario, California and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as set forth herein at length, are hereby established and adopted as the rules, regulations, and provisions and conditions to be observed and followed in the moving, removal, demolition,

condemnation, maintenance and use of plumbing, house drainage, house sewers, sanitary sewers, cesspools, septic tanks, gas piping, gas water heater vents, swimming pools, and gas outlets for swimming pool heaters and related subjects, items and matters as set forth in said Code, within the City. Subject to the additions, deletions and amendments set forth in this chapter, said Code, with its said specified sections of Chapter 1, Division II, Chapters 2 through 17, and Appendices A, B, C, D, G, H, I, J, K, L, and M is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Plumbing Code" of and for the City."

**SECTION 36**. AMENDEMENT OF CODE. Title 9, Chapter 5, Chapter 9-5.02 of the Redondo Beach Municipal Code is amended to read as follows:

**"9-5.02 Fees.**

Section 104.5 is amended as follows:

**104.5 Fees.** Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of permit fees.

Section 104.5.1 is amended to read as follows:

**104.5.1 Work commencing before permit issuance**. Refer to RBMC 9-1.03 Section [A] 109.4 Work Commencing Before Permit Issuance.

**104.5.2 Investigation Fees**. Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of permit fees."

**SECTION 37**. AMENDMENT OF CODE. Title 9, Chapter 5, Section 9-5.02.3 of the Redondo Beach Municipal Code is amended to read as follows:

Section 104.3.2 is amended as to read as follows:

**104.3.2 Plan Review Fees.** Refer to RBMC 9-1.03 Section [A] 109.2 Schedule of permit fees."

**SECTION 38**. AMENDEMENT OF CODE. Title 9, Chapter 5, Section 9-5.02.4 of the Redondo Beach Municipal Code is amended to read as follows:

"Section 104.3.3 is amended to read as follows:

**104.3.3 Expiration of plan review.** Refer to RBMC 9-1.06.1.1 Expiration of Plan Review Section [A] 105.3.2 Time limitation of application."

**SECTION 39**. AMENDEMENT OF CODE. Title 9, Chapter 5, Section 9-5.03 of the Redondo Beach Municipal Code is amended to read as follows:

**"9-5.03 Violations and penalties.**

Section 106.3 is hereby amended to read as follows:

**106.3 Violation penalties**. Refer to RBMC 9-1.04 Violations and penalties Section [A] 114.4 Violation penalties."

**SECTION 40**. AMENDEMENT OF CODE. Title 9, Chapter 27, Section 9-27.01 of the Redondo Beach Municipal Code is amended to read as follows:

**“Chapter 27 ENERGY CODE**

**9-27.01 Adoption of the 2025 California Energy Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled “2025 California Energy Code,” including the Appendices therein contained, promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed for the building envelope, space-conditioning systems, pool and spas, solar ready buildings, indoor lighting systems of buildings, outdoor lighting systems, electrical power distribution systems, and signs located either indoors or outdoors; and subject to the additions, deletions and amendments set forth in this chapter, said Code with its Appendices and the said Standards containing said rules, regulations, standards, provisions and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the “Energy Code” of and for the City.”

**SECTION 41**. AMENDEMENT OF CODE. Title 9, Chapter 23, Section 9-23.01of the Redondo Beach Municipal Code is amended to read as follows:

**“Chapter 23 GREEN BUILDING STANDARDS CODE**

**9-23.01 Adoption of the 2025 California Green Building Standards Code.**

Pursuant to the provisions of section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled “2025 California Green Building Standards Code” including the Appendices therein contained, promulgated and published by the promulgated and published by the International Code Council and the California Building Standards Commission, one (1) full printed copy of each, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as set forth herein at length, are hereby established and adopted as the rules, regulations, and provisions and conditions to be observed and followed in the planning, design, operation, construction, demolitions, use and occupancy, operations and maintenance regarding the planning and design, energy efficiency, water efficiency and conservation, material conservation and resource efficiency, and environmental quality enhancement in the City and related subjects, items and matters as set forth in said Code, within the City. Subject to the additions, deletions and amendments set forth in this chapter, said Codes, with said Appendices, are hereby established and adopted by reference.

Nothing in this chapter shall require the applicant to use covered products, as defined in the federal Energy Policy and Conservation Act (42 U.S.C. S6201 et seq.), that exceed any applicable federal energy conservation standards for such products.”

**SECTION 42**. AMENDEMENT OF CODE. Title 9. Chapter 13, Section 9-13.01 of the Redondo Beach Municipal Code is hereby amended to read as follows:

“**Chapter 13 – SWIMMING POOL, SPA, AND HOT TUB CODE**

**9-13.01 Adoption of Uniform Swimming Pool, Spa, and Hot Tub Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled "Uniform Swimming Pool, Spa, and Hot Tub Code 2006 Edition," including all Appendices therein contained, promulgated and published by the International Association of Plumbing and Mechanical Officials. One (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed in the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating ventilating, comfort cooling, refrigerator systems, incinerators, or other miscellaneous heat producing appliances in the city; and subject to the additions, deletions, and amendments set forth in this chapter, said Code with its Appendices, containing said rules, regulations, standards, provisions, and conditions is hereby established and adopted, and the same shall be designated, known and referred to as the "Swimming Pool, Spa, and Hot Tub Code" of and for the City."

**SECTION 43**. AMENDEMENT OF CODE. Title 9, Chapter 13, Section 9-13.02 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**9-13.02 Swimming pool, spa, and hot tub permit fees.**

Section 103.4 of the Uniform Swimming Pool, Spa, and Hot Tube Code is hereby amended for administrative requirements as follows:

Table 1-1 Swimming Pool, Spa, Hot Tub Permit Fees per administrative requirements is hereby deleted.

**103.4.1 Permit Fees.** Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees.

**103.4.2 Plan Review Fees.** Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees.

**103.4.3.1 Work commencing before permit issuance**. Refer to RBMC 9-1.03 Fees Section [A] 109.4 Work Commencing Before Permit Issuance.

**Investigation**. Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation may be required before a permit may be issued for such work.

**103.4.3.2 Investigation Fee**. Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees."

**SECTION 44**. AMENDEMENT OF CODE. Title 9, Chapter 13, Section 9-13.03 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"9-13.03 – Violations and penalties.**

Section 102.3.1 and 102.3.2 of the Uniform Swimming Pool, Spa, and Hot Tub Code are hereby amended for administrative requirements as follows:

**102.3.1 Violations.** Refer to RBMC 9-1.04 Violations and Penalties Section [A] 114.4 Violation Penalties.

**102.3.2 Penalties.** Refer to RBMC 9-1.04 Violations and Penalties Section [A] 114.4 Violation Penalties."

**SECTION 45**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.01 of the Redondo Beach Municipal Code is amended to read as follows:

"**Chapter 6 MECHANICAL CODE**

**9-6.01 Adoption of the 2025 California Mechanical Code.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled "2025 California Mechanical Code including Appendices A, B, C, F, and G therein contained, promulgated and published by the International Association of Plumbing and Mechanical Officials of Ontario, California and the California Building Standards Commission. One (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which has been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed in the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating ventilating, comfort cooling, refrigerator systems, incinerators, or other miscellaneous heat producing appliances in the city; and subject to the additions, deletions, and amendments set forth in this chapter, said Code with Appendices A, B, C, F and G, containing said rules, regulations, standards, provisions, and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Mechanical Code" of and for the City."

**SECTION 46**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.02 of the Redondo Beach Municipal Code is amended to read as follows:

**"9-6.02 Heating, ventilating, and comfort cooling.**

Section 304.5 is hereby added to read as follows:

**304.5 Roof mounted appliances.** Any appliance located on the roof of a building shall be located, if possible, over a wall or beam or other structural member so that, in the event of fire, the roof alone will not be the only means of structural support. Such equipment shall be anchored or attached in place in such a manner as to resist overturning or shifting by wind or earthquake."

**SECTION 47**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.03 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.03 Permit Fees.**

Section 104.5 is amended as follows:

Table 104.5 Mechanical Permit Fees is hereby deleted.

**104.5 Fees.** Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees.

**104.5.1 Work commencing before permit issuance**. Refer to RBMC 9-1.03 Fees Section [A] 109.4 Work Commencing Before Permit Issuance.

**104.5.2 Investigation Fees**. Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work. An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees."

**SECTION 48**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.03.1 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.03.1 Permit Expiration.**

Section 104.4.3 is hereby amended to read as follows:

**104.4.3 Permit expiration.** Refer to RBMC 9-1.06 Permit Expiration Section [A] 105.5 Expiration."

**SECTION 49**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.03.2 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.03.2 Plan submittal.**

Section 104.3.1 is hereby amended to read as follows:

**104.3.1 Construction documents.** Construction documents, engineering calculations, diagrams, and other data shall be submitted in two or more sets or digitally where authorized by the Building Official with each application for a permit. The construction documents, computations, and specifications shall be prepared by, and the mechanical system designed by, a registered design professional. Construction documents shall be drawn to scale with clarity to identify that the intended work to be performed is in accordance with the code.

**Exception:** The Authority Having Jurisdiction shall be permitted to waive the submission of construction documents, calculations, or other data where the Authority Having Jurisdiction finds that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with the code."

**SECTION 50**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.03.3 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.03.3 Plan review fees.**

Section 104.3.2 is hereby amended to read as follows:

Table 104.5 is hereby deleted.

**104.3.2 Plan Review Fees.** Refer to RBMC 9-1.03 Fees Section [A] 109.2 Schedule of Permit Fees.

**SECTION 51**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.03.4 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.03.4 Expiration of plan review.**

Section 104.3.3 is hereby amended to read as follows:

**104.3.3 Time limitation of application.** Refer to RBMC 9-1.06.1.1 Expiration of Plan Review Section

[A] 105.3.2 Time Limitation of Application."

**SECTION 52**. AMENDMENT OF CODE. Title 9 Chapter 6, Section 9-6.04 of the Redondo Beach Municipal Code is amended to read as follows:

"**9-6.04 Violations and penalties.**

Section 106.1 is hereby amended to read as follows:

**106.1. General**. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or who erects, constructs, enlarges, alters, repairs, moves, improves, removes, converts, demolishes, equips, uses, or maintains a mechanical system in violation of the approved construction documents or directive of the Building Official, or of a permit or certificate issued under the provisions of this code, shall be subject to the penalties as prescribed by law. Every person who willfully resists, delays, obstructs or interferes in any way with the Building Official or his or her authorized representative in the discharge or attempt to discharge any duty of his or her office or employment shall be guilty of a violation of this Chapter.

Section 106.3 is hereby amended to read as follows

**106.3 Penalties.** Refer to RBMC 9-1.04 Violations and Penalties Section [A] 114.4 Violation Penalties."

**SECTION 53**. AMENDMENT OF CODE. Title 9, Chapter 11, Sections 9-11.01 and 9-11.02 of the Redondo Beach Municipal Code are hereby amended to read as follows:

"**Chapter 11 UNIFORM CODE FOR THE ABATEMENT OF DANGEROUS BUILDINGS.**

**9-11.01 - Adoption of Code for the Abatement of Dangerous Buildings.**

Pursuant to the provisions of Section 50022.1 to 50022.10, inclusive, of the Government Code of the State and subject to the particular additions, deletions and amendments set forth in this chapter, the rules, regulations, provisions and conditions set forth in that certain Code entitled the "1997 Uniform Code for the Abatement of Dangerous Buildings" promulgated and published by the International Conference of Building Officials, one (1) full printed copy of which, printed as a Code in book form were by the Council ordered filed and which have been filed in the office of the City Clerk, expressly incorporated herein and made a part hereof as fully and for all intents and purposes as though set forth herein at length, are hereby established and adopted as the rules, regulations, provisions and conditions to be observed and followed for the purpose of providing a just, equitable and practicable method to be cumulative with and in addition to any other remedy provided by the Building Code, Housing Code or otherwise available by law, where buildings or structures which from any cause endanger life, limb, health, morals, property, safety or welfare of the general public or their occupants may be required to be repaired, vacated or demolished, and related subjects, items and matters as set forth in said Code, within the City. Subject to the additions, deletions and amendments set forth in this chapter, said Code and the said Standards containing said rules, regulations, standards, provisions and conditions is hereby established and adopted by reference, and the same shall be designated, known and referred to as the "Uniform Code for the Abatement of Dangerous Buildings" of and for the City.

**9-11.02 – Violations and penalties.**

Section 203 is hereby amended to read:

**Section 203. Violations.** Refer to RBMC 9-1.04 Violations and Penalties Section [A] 114.4 Violation Penalties."

**SECTION 54**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.101 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**CHAPTER 4 FIRE CODE**

Article 1. Fire Prevention Code

**3-4.101 California Fire Code adoption.**

That portion of the State Building Standards Code, known as the California Fire Code, 2025 Edition, published by the International Code Council and the California Building Standards Commission with errata, including Appendices A, B, BB, C, CC, D, E and F, the table of contents and the index, as modified and amended, is adopted and hereby collectively declared to be the Redondo Beach Fire Code for the purpose of regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the City of Redondo Beach, providing for the issuance of permits and collection of fees. To ensure compliance with AB 130 the existing 2022 Redondo Beach Fire Code ordinances (Ordinance 3-4) associated with Group R occupancies shall be maintained and not modified or changed and carried over. Not less than one (1) copy of said code and standards as modified, deleted or amended shall be filed in the office of the City Clerk."

**SECTION 55**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.101.1 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**3-4.101.1 Scope and Administration**

Section [A] 103.1 is amended to read as follows:

**103.1 Creation of agency.** The Redondo Beach Fire Department is hereby created and the official in charge thereof shall be known as the fire code official. The function of the agency shall be the implementation, administration, and enforcement of the provisions of this code.

Section [A] 104.1.1 is added to read as follows:

**104.1.1 Fire Prevention Standard Operating Guidelines.** The Redondo Beach Fire Department Fire Prevention Standard Operating Guidelines has been created and adopted to serve as instructions and interpretations of the adopted Fire Code. The Redondo Beach Fire Department Fire Prevention Standard Operating Guidelines shall be a published document, amended from time to time to provide current instruction and interpretation.

Section [A] 104.1.2 is added to read as follows:

**104.1.2 Authority of Peace Officers**. In enforcing the provisions of the California Fire Code, California Building Code, California Health & Safety Code, California Penal Code, California Vehicle Code and the Redondo Beach Municipal Code and such laws, orders, rules and regulations, variances, and standards in connection therewith, the Fire Marshal, Deputy Fire Marshal, Fire Prevention Manager, Senior Fire Prevention Specialist and the Fire Prevention Specialist are hereby given the powers of peace officers.

Section 104.11 is amended to read as follows:

**104.11 Authority at fires and other emergencies.** The Fire Chief or Officer of the Fire Department in charge at the scene of a fire or other emergency, including such fires and emergencies at industrial facilities where a private fire brigade or a private fire department is established, involving the protection of life or property or any part thereof, shall have the authority to direct such operations as necessary to extinguish or control any fire, perform any rescue operations, investigate the existence of suspected or reported fires, gas leaks or other hazardous conditions or situations or of taking any action necessary in the reasonable performance of duty. Command and control of the emergency shall be the responsibility of the Redondo Beach Fire Department, with cooperation and technical or professional input provided by appropriate private sector employees and/or management. In the exercise of such power, the Fire Chief is authorized to prohibit any person, vehicle, vessel, or thing from approaching the scene and is authorized to remove or cause to be removed or kept away from the scene any vehicle, vessel or thing which could impede or interfere with the operations of the fire department and, in the judgment of the Fire Chief, any person not actually and usefully employed in the extinguishing of such fire or in the preservation of property in the vicinity thereof.

Section 104.11.4 is added to read as follows:

**104.11.4 Financial Responsibility.** Any person who personally, or through another, willfully, negligently, or in violation of law, possesses, sells and/or sets off illegal or "State approved" fireworks, sets a fire, allows a fire to be set, or allows a fire kindled or attended by him/her to escape from his/her control, allows any hazardous material to be handled, stored, disposed of, or transported in a manner not in accordance with this Code, State law or nationally recognized Standards, allows any hazardous materials to escape from his/her control, allows continuation of a violation of this Code is liable for the expense of fighting the fire including fire investigation or for the expenses incurred during a hazardous materials incident, and such expense will be charged against that person."

**SECTION 56**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.102 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"3-4.102 CFC Duties & Powers of the Fire Code Official**

Section 104.10 is **amended** to read as follows:

**104.10 Fire Investigations.** The Fire Department is authorized to promptly investigate the cause, origin and circumstances of each and every fire, explosion, unauthorized release of hazardous materials, or any other hazardous condition within the City. If it appears to the bureau of investigation that such fire is suspicious in origin, it is authorized to take immediate charge of all physical evidence relating to the cause of fire and to pursue investigation to its conclusion.

Section 104.10.2 is **added** to read as follows:

**104.10.2 Financial Responsibility.** Any person who personally, or through another, willfully, negligently, or in violation of law, sets a fire, allows a fire to be set, or allows a fire kindled or attended by him/her to escape from his/her control, allows any hazardous material to be handled, stored, disposed of or transported in a manner not in accordance with this Code, State law or nationally recognized Standards, allows any hazardous material to escape from his/her control, allows continuation of a violation of this Code is liable for the expense of fighting the fire or for the expenses incurred during a hazardous materials incident, and such expense will be a charge against that person.

Section 202 is amended to add or modify the following definitions:

**Fire Chief.** The Chief Officer of the Fire Department serving the jurisdiction.

**Fire Code Official.** The fire chief or other member of the fire department appointed by the fire chief charged with the administration and enforcement of this code.

**Operational Fire Permit.** An official document or certificate issued by the Redondo Beach Fire Department which authorizes performance of a specific activity."

**SECTION 57**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.103 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"3-4.103 Permits**

Section 105.5.10 is amended to read as follows:

**105.5.10 Covered and open mall buildings.** An operational permit is required to use a covered mall in the following manner:

1. Placing or constructing temporary kiosks, displays booths, concession equipment or the like in the mall.

2. To use a mall as a place of assembly.

3. To use open-flame or flame-producing devices.

4. To display any liquid- or gas-fueled powered equipment.

Sections 105.6.26 through 105.6.37 are hereby added to read as follows:

**105.6.26 Christmas Tree Lots.** A permit is required to operate a Christmas tree lot.

**105.6.27 Daycare, Commercial.** A permit is required to operate any nonresidential building used for day care purposes for more than six children/persons or any residential building used for day care for more than 14 persons.

**105.6.28 Daycare, Large family.** A permit is required to operate a homeowner operated residence as a large family day care home for nine to 14 persons, for periods less than 24 hours per day.

**105.6.29 Fireworks.** A permit is required for fireworks.

**105.6.30 General Use.** When in the opinion of the Fire Chief a permit is required for an activity, use or process that is not covered by any other permit.

**105.6.31 Group R-2.1.** This occupancy shall include buildings, structures or parts thereof housing clients, on a 24-hour basis, who because of age, mental disability or other reasons, live in a supervised residential environment that provides personal care services.

This occupancy may contain more than six non-ambulatory and/or bedridden clients This group shall include, but not be limited to, the following:

Assisted living facilities such as: Residential Care Facilities, Residential Care Facilities for the Elderly (RCFE's), Adult Residential Facilities, Congregate Living Health Facilities, Group homes, Residential Care Facilities for the Chronically Ill, and Congregate Living Health Facilities for the Terminally Ill,

Halfway houses, Community Correctional Center, Community Correction Reentry Center, Community Treatment Programs, Work Furlough Programs, and Alcoholism or drug abuse recovery or treatment facilities.

**105.6.32 Group I-2.** This occupancy shall include buildings and structures used for medical, surgical, psychiatric, nursing, or custodial care on a 24-hour basis for more than five persons who are incapable of self-preservation or classified as non-ambulatory or bedridden.

This group shall include, but not limited to, the following: Hospitals, Nursing homes (both intermediate care facilities and skilled nursing facilities), Mental hospitals and Detoxification facilities.

**105.6.33 Group I-2.1.** Ambulatory Care Facility. A healthcare facility that receives persons for outpatient medical care that may render the patient incapable of self-preservation and where each tenant space accommodates more than five such patients.

**105.6.34 Group I-3.** This occupancy shall include building or portions of buildings and structures that are inhabited by one or more persons who are under restraint. An I-3 facility is occupied by persons who are restrained.

This group shall include, but not limited to, the following: Prisons, Jails, Reformatories, Detention centers, Correctional centers, and Juvenile Halls.

**105.6.35 Group I-4, Day Care Facilities.** This occupancy shall include buildings and structures occupied by persons of any age who receive custodial care for less than 24 hours by individuals other than parents or guardians, relatives by blood, marriage or adoption and in a place other than the home of the person cared for. Places of worship during religious functions are not included.

**105.6.36 Radioactive Materials.** To store or handle at any installation more than 1 micro curie (37,000 Becquerel) of radioactive material not contained in a sealed source or more than 1 mill curie (37,000,000 Becquerel) of radioactive material in a sealed source or sources, or any amount of radioactive material for which a specific license from the Nuclear Regulatory Commission is required.

**105.6.37 Residential Care Facility.** To operate a Residential Care Facility where no medical care is provided."

**SECTION 58**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.103.1 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**3-4.103.1 Violation Penalties**

Section [A] 113.4 is amended to read as follows:

**[A] 113.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of a misdemeanor, punishable by a fine of not more than $1000.00 dollars or by imprisonment not exceeding six (6) months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate offense."

**SECTION 59**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.103.2 of the Redondo Beach Municipal Code is amended to read as follows:

"**3-4.103.2 General Requirements**

Section 401.10 is hereby added to read as follows:

**401.10 Immediate Reporting of a Release or a Threatened Release.** Any person who stores, transports, dispenses, uses, or handles hazardous materials, or any facility required by Occupational Safety and Health Administration (OSHA) regulations to prepare or maintain a Material Safety Data Sheet (MSDS)/Safety Data Sheets (SDS), including those who store extremely hazardous substances shall provide an immediate, verbal report of any release or threatened release of a hazardous material to the City of Redondo Beach Fire Department accessing the 911 emergency reporting system without delay as soon as:

- a person has knowledge of the release or threatened release.
- notification can be provided without impeding immediate control of the release or threatened release.
- notification can be provided without impeding immediate emergency medical measures.
- The immediate reporting pursuant to subsection (a) of this section shall include, as a minimum:
- the exact location of the release or threatened release.
- the name of the person reporting the release or threatened release.
- the hazardous materials involved in the release or threatened release.
- an estimate of the quantity of hazardous materials involved; and
- if known, the potential hazards presented by the hazardous material involved in the release or threatened release."

**SECTION 60**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.104 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Section 3-4.104 Buildings and Facilities**

Chapter 5, Fire Service Features, of the California Fire Code is adopted and/or amended to read as follows:

Sections 503.2.1 and 503.2.1.1 Table 503.2.1-A are added to read as follows:

**503.2.1 Private Roads Used for Fire Apparatus Access.** The minimum width of private roads which are also used for fire apparatus access shall be in accordance with Table 503.2.1-A. The minimum required width for fire apparatus access should not be used to determine the minimum width of private roads. When approved by the Fire Chief this requirement may be modified or waived.

**Table 503.2.1-A. Minimum Width of Private Roads Also Used for Fire Apparatus Access**

| Location of Parking | Minimum Road Width |
|---|---|
| Fire access only | 20′* |
| Public access road | 25′* |
| Aerial ladder truck access | 30′ |

* Measured from clear unobstructed pathway.

**503.3 Fire Lane Marking/Signage.** In accordance with California Vehicle Code the designation shall be indicated (1) by a sign posted immediately adjacent to, and visible from, the designated place clearly

stating in letters not less than one inch in height that the place is a fire lane (2) by outlining or painting the place in red and, in contrasting color, marking the place with the words "NO PARKING FIRE LANE," which are clearly visible from the vehicle, or (3) by a red curb or red paint on the edge of the roadway upon which are clearly marked the words "NO PARKING FIRE LANE." The Chief shall have the authority to designate fire apparatus access roads on private property.

**507.1 Required Water Supply.** The location number and type of fire hydrants connected to a water supply capable of delivering the required fire flow shall be provided on the public street or on the site of the premises or both.

**507.2.1 Private Fire Hydrants.** When required, private on-site fire hydrants shall be in accordance with the location and spacing specified for public streets and hydrants for similar occupancies. All private hydrants shall be installed in accordance with NFPA 24, Installation of Private Fire Service Mains and their Appurtenances, unless required to meet public standards. Private hydrants shall be painted yellow. When alternate materials or methods of protection, as approved by the chief are provided, these requirements may be modified or waived.

**507.5 Fire hydrant systems.** Fire hydrants shall be accessible to the fire department apparatus by roads meeting the requirements of Section 503.

**507.5.1 Public Fire Hydrants.** When required by the chief, there shall be one or more public fire hydrants installed at each street intersection in all developed areas of the city. The necessity for more than one hydrant located at each intersection on both sides of the street will depend upon required fire flows, street widths, center dividers or other physical barriers and existing or anticipated vehicular traffic volume.

1. In industrial, commercial, high density and multi-unit residential areas, hydrant spacing shall be approximately every 300 feet along public ways.

2. In areas where construction is limited to single family, duplex and triplex residential, hydrant spacing shall be approximately every 500 feet along public ways.

3. In all areas where street width exceeds 80 feet, appropriately spaced fire hydrants shall be required on both sides of the street."

**SECTION 61**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.105 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Section 3-4.105 Address Numbers**

Section 505.1 is amended to read as follows:

**505.1 Address Numbers.** Approved address numbers and letters must be placed on all new and existing buildings and units in such a location as to be plainly visible and legible from the street or road fronting such buildings and units. Numbers and letters must be at least four (4) inches in height for residential, six (6) inches in height for commercial, and twelve (12) inches in height for industrial buildings and units and may not be located on doors or other areas that can be obstructed from view. The numbers and letters will be in a color that contrasts with their background and must be in the City's approved numbering sequence. Residential, commercial, and industrial buildings and units that are served by an alley or a fire apparatus access roadway to the rear of the building must also have approved address numbers and letters posted in a visible location near the primary door to the alley or a fire apparatus access roadway."

**SECTION 62**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.106 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Section 3-4.106 Flammable and Combustible Liquids**

Chapter 23, Sections 2306.2.3.1 and 2306.2.3.2, are added to read as follows:

**2306.2.3.1 Protected Aboveground Tanks.** The storage and dispensing of motor fuels into the fuel tank of a motor vehicle from protected aboveground tanks located outside buildings shall be limited to private, fleet, or governmental motor vehicle fuel-dispensing stations not open to the public and shall not be permitted except as approved by the chief on a site-specific basis and shall be in accordance with this section and section 2206.2.3.2

**2306.2.3.2** Protected aboveground tanks shall have fire-resistive protection rating of not less than 2 hours.

**Section 3-4.107 Fire Alarm Systems**

Subchapter 907.8.5 of Chapter 9 of Part IX of the California Fire Code as adopted by this article is hereby amended to add subsection 907.8.5.1 as follows:

**907.8.5 Annual Fire Alarm Maintenance, Inspection and Testing.** Fire alarm systems must be certified by a fire alarm contractor holding a C-10 (electrical) and C-16 (low voltage) state contractor licenses and have service personnel that meet the qualification requirements of NFPA 72. Every owner of a fire alarm system subject to this subsection must provide the City Fire Department with certification issued by said licensed fire alarm testing agency verifying that all components of the fire alarm systems are operative and have been tested according to National Fire Protection Association standards. Fire alarm systems shall be serviced whenever:

1. A false alarm occurs for an unknown reason or reasons;

2. The fire alarm is activated by fire;

3. The system is in "trouble" condition.

Section 3-4.107.1 NFPA 13D alarm notification

Add section to Chapter 9 of the California Fire Code to read as follow:

907.2.11.2.7 Occupancy alarm notification with NFPA 13D sprinkler systems:

1. The Fire Sprinkler System shall be equipped with a weather proof Horn/Strobe located at the front of the structure and/or as near as possible to the front, viewable from the addressed street. Its power shall be connected on a kitchen refrigerator circuit or a dedicated tamper proof circuit breaker of sufficient amperage capacity.

2. If this circuit is not accessible from outside the structure, an additional tamper and weather proof disconnect switch shall be provided and located near the fire sprinkler riser.

3. Automatic fire sprinkler system flow alarm shall be required in-house meeting the same requirement of notification. No inside notification appliances required when flow alarm is interconnected to a multiple station smoke detection system**."**

**SECTION 63**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.108 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"Section 3-4.108 Fire extinguishing systems**

Sections 901 and 903 shall be added or amended to read in its entirety as follows:

**901.11 Problematic Systems.** In the event of a failure of a fire-protection system with 2 or more alarms in a 2-week period of accidental activations where there is no evidence of a situation requiring a response, the Chief is authorized to require the building owner or occupant to provide fire watch personnel until the system is repaired.

**901.12 Firewatch.** Per Section 901.11 the Fire Chief is authorized to require the building owner or occupant to provide a fire watch with personnel acceptable to the Fire Chief until documentation is provided that the system is repaired and is operational. Such individuals shall be provided with at least one approved means for notification of the fire department and their only duty shall be to perform constant patrols of the protected premises, keep and maintain a log and keep watch for fires.

**903.2 Where Required.** An approved automatic sprinkler system in new buildings and structures shall be required for all occupancies.

**Exception:** New detached buildings under 1,000 square feet in size subject to approval of the Building Official.

**903.2.8.1.1 Existing R-3 Occupancies.** An automatic sprinkler system must be provided throughout every existing R-3 occupancy when a 1,200 square foot or greater addition occurs established by the Building Code Official.

**903.2.1** Group A**.** Is deleted

**903.2.1.1** Group A-1**.** Is deleted

**903.2.1.2** Group A-2**.** Is deleted

**903.2.1.3** Group A-3**.** Is deleted

**903.2.1.4** Group A-4**.** Is deleted

**903.2.1.5** Group A-5**.** Is deleted

**903.2.1.6** Assembly Occupancies on Roofs**.** Is deleted

**903.2.1.7** Multiple Fire Areas**.** Is deleted

**903.2.2** Ambulatory Care Facilities**.** Is deleted

**903.2.3** Group E**.** Is deleted

**903.2.4** Group F-1**.** Is deleted

**903.2.4.1** Woodworking Operations**.** Is deleted

**903.2.4.3 Group F-1** Upholstered Furniture or Mattresses. Is deleted

**903.2.5** Group H**.** Is deleted

**903.2.5.1** General**.** Is deleted

**903.2.5.2** Group H-5 Occupancies**.** Is deleted

**903.2.5.3** Pyroxylin Plastics**.** Is deleted

**903.2.5.4** Group H Occupancies Located Above the 10th Story**.** Is deleted

**903.2.6** Group I**.** Is deleted

**903.2.6.1** Group I-2**.** Is deleted

**903.2.6.2** Group I-3**.** Is deleted

**903.2.7** Group M**.** Is deleted

**903.2.7.1** High-Piles Storage**.** Is deleted

**903.2.8** Group R**.** Is deleted

**903.2.8.1** Group R-3**.** Is deleted

**903.2.8.3** Group R-4**.** Is deleted

**903.2.8.4** Group R3.1**.** Is deleted

**903.2.9** Group S-1**.** Is deleted

**903.2.9.1** Repair Garages**.** Is deleted

**903.2.9.2** Bulk Storage of Tires**.** Is deleted

**903.2.9.4** Group S-1 upholstered furniture and mattresses. Is deleted

**903.2.10** Group S-2 Enclosed Parking Garages**.** Is deleted

**903.2.10.1** Commercial Parking Garages**.** Is deleted

**903.2.11** Specific building Areas and Hazards**.** Is deleted

**9.03.2.11.1** Stories without openings. Is deleted

**903.2.11.3** Buildings 55 feet or More in Height**.** Is deleted

**903.3.1.3.1 Protection of Attached Garages.** Residential occupancies protected by an automatic sprinkler system in accordance with NFPA 13R or 13D must have automatic sprinklers installed in attached garages and in other areas as required by the Redondo Beach Fire Department.

**903.3.5.3 Hydraulically Calculated Systems.** The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

**903.3.8 Limited Area Sprinkler Systems.** When a fire sprinkler system is required, it shall be provided throughout the building.

**Exception:** Protection for specific appliances and/or hazards.

**903.3.8.1 through 903.3.8.5 is deleted.**

**903.3.9 Floor Control valves.** Floor control valves and waterflow detection assemblies shall be installed at each floor where any of the following occur:

1. Buildings where the floor level of the highest story is located more than 30 feet above the lowest level of fire department vehicle access.

2. Buildings that are three or more stories in height.

3. Buildings that are two or more stories below the highest level of fire department access.

**903.4.3 Alarms.** One exterior approved audible and visible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm device shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. Exterior audible and visible alarm notification shall be provided on NFPA 13, NFPA 13R and NFPA 13D systems.

**Exception:** Group R-3 and R3.1 occupancies floor control valves and waterflow detection assemblies shall not be required.

Sections 907.6.6 and 909.11 of the California Fire Code shall be amended to read in their entirety as follows:

**907.6.6 Monitoring.** Fire alarm, supervisory and trouble signals shall be reported to an approved central, proprietary, or remote supervising station or the protected premise at a constantly attended location in accordance with the requirements of NFPA 72 for recording and disposition of signals. The supervising station shall be listed as either UUFX (Central Station) or UUJS (remote & proprietary) by the Underwriters Laboratory Inc. (UL) or shall comply with the requirements of standard FM 3011."

**SECTION 64**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.110 of the Redondo Beach Municipal Code is hereby amended to read as follows:

**"Section 3-4.110 Solar panel regulations**

Chapter 12, Energy System, of the California Fire Code shall be amended to read in its entirety as follows:

**1205.2.1 Solar photovoltaic (PV) systems for group R-3 buildings.** Solar photovoltaic (PV) systems for group R-3 buildings shall comply with sections 1205.2.1.1 thorough 1205.2.1.2, sections 1205.2.1.3, 1207.11.3 through 1207.11.4 and 1207.11.6.

**1205.2.1.1 Set Backs for Ridge for Smoke and Heat Ventilation.** Panels/modules installed on the roofs of residential buildings shall be located only on one side of any ridge to allow for Fire Department

smoke and heat ventilation operations. The panel/modules(s) shall be located no less than 3 feet from the ridge.

**Exceptions:** Where solar panels/modules are placed on both sides of any ridge they shall be spaced a minimum of 5 feet on one side and 3 feet on the other side of the ridge.

**1205.2.1.2 Flat and Alternate Roofs.** Panels and modules shall be located in a manner that provides a minimum 3-foot-side (968mm) clear perimeter around the edges of the roof. The panels and modules shall be installed in a way that Smoke Ventilation areas are created over common hallways and corridors to the approval of the AHJ.

**1205.2.1.3 Alternative setbacks at ridge.** Is deleted.

**1207.11.3 Location.** ESS shall be installed only in the following locations:

1. Detached garages and detached accessory structures.

2. Attached garages, with 1 hour fire resistive rating between the garage (U occupancy) and residential (R occupancies) spaces, with a maximum energy capacity not exceeding the values shown in 1207.1.3.

3. Any ESS exceeding the values shown in table 1207.1.3 shall be installed outdoors or on the exterior side of the exterior walls located not less than 3 feet (914 mm) from doors and windows directly entering the dwelling unit.

4. Deleted.

**1207.11.4 Energy Ratings.** Individual ESS units shall have a maximum rating of 20kWh. The aggregate rating structure shall not exceed:

1. Delete.

2. 80 kWh in detached garages and detached accessory structures not associated with dwelling units.

3. 80 kWh on exterior walls.
4. 80 kWh outdoors on the ground.

ESS Installations exceeding the permitted individual or aggregate ratings shall be installed in accordance with Sections 1207.1 through 1207.9 of the California Fire Code.

**1207.11.6 Fire Detection.** Is deleted.

Figure 1207.11.7.1 is amended as follows:

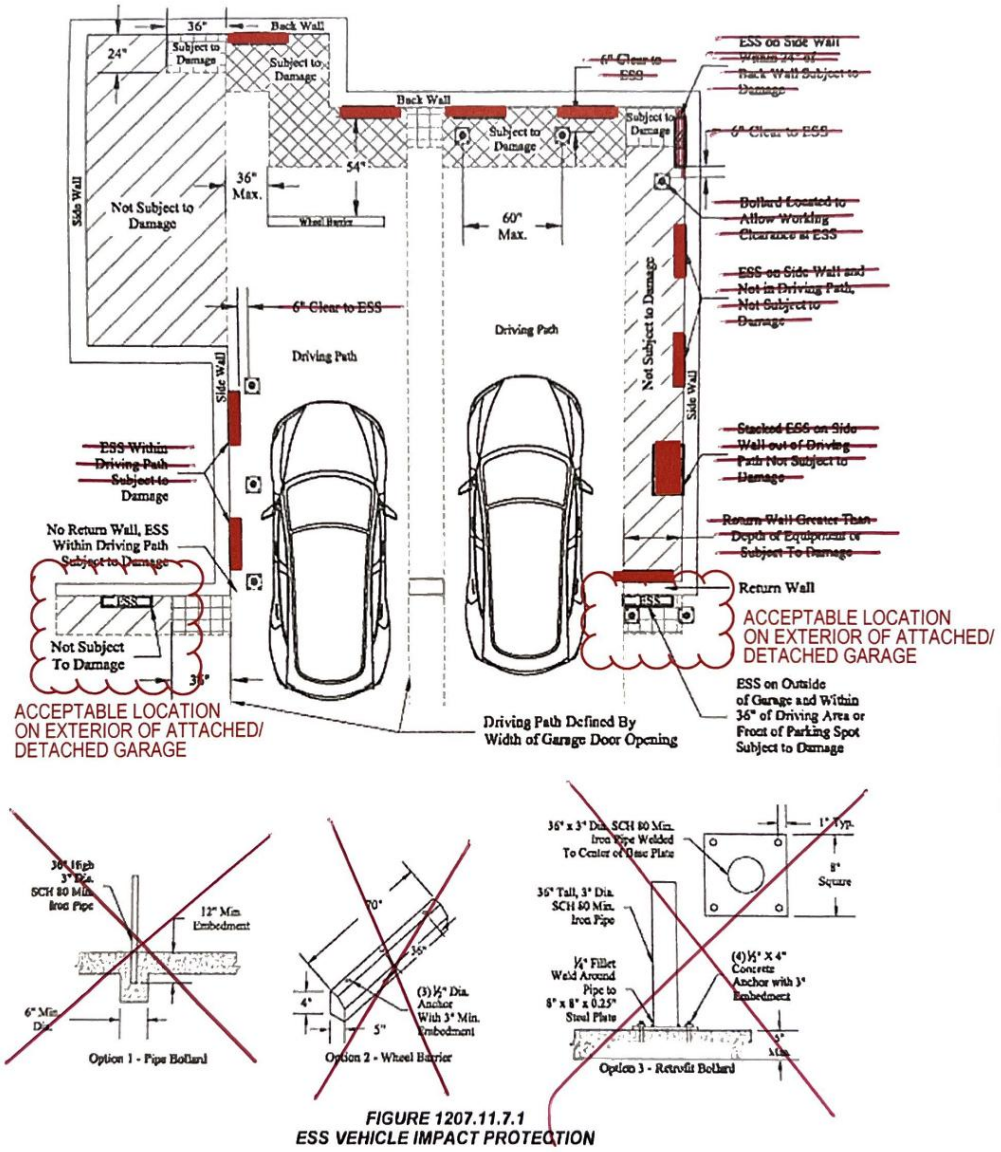



*FIGURE 1207.11.7.1*
*ESS VEHICLE IMPACT PROTECTION*



"

**SECTION 65**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Section 3-4.111 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**3-4.111 Christmas Tree Lots**

Section 806 shall be amended to read as follows:

**Christmas Trees**

**806.1.1.1 Natural Cut Trees B Occupancies.** Cut, natural Christmas trees shall be treated with a flame-retardant material that has been approved by the California State Fire Marshal when such tree is in Group B occupancies.

Each Christmas tree, that is required to be treated with a flame-retardant material by this section, shall at all times bear a tag which shows the date treated, name of the applicator, and the registration number of the flame-retardant material.

**Permit and Plan**

**806.5** A permit is required to establish, maintain, or operate a Christmas tree lot. Application for permit shall be submitted to the chief for approval. For Permits for Christmas Tree Lots and Tents, Canopies and Temporary Membrane Structures, see Chapter 31.

**806.6** No person, including a holder of an unrevoked general merchandise license shall operate a Christmas tree lot without a permit issued pursuant to this section. A permit shall not be granted if the chief reasonably determines that the location or method of operation endangers life or constitutes a fire hazard. A permit may be revoked if the provisions of these sections are not met or maintained.

**806.7** A permit granted pursuant to this section shall be valid from November 15th to December 25th of the calendar year in which the permit is issued.

**806.8** An applicant for a permit shall submit a dimensional plot plan of the proposed location with the application. The plot plan shall show the location of the Christmas trees, buildings, trailers, tents, temporary structures, aisle widths, fenced areas, emergency exits and portable fire extinguishers.

**Location**

**806.9** No person shall use any location for a Christmas tree lot where dry grass, weeds, paper, combustible waste, or other combustible materials exist.

**806.10** Christmas trees shall not be located within 15 feet of any building, trailer, structure, or temporary building which is not necessary to the operation of the Christmas tree lot.

**806.11** Christmas trees shall not be located within 25 feet of any facility where flammable or combustible liquids are produced, stored, handled, or dispensed.

**Fire Protection**

**806.12** Portable Fire Extinguisher. A minimum of (2) two 2-A rated fire extinguishers shall be provided. Travel distance to fire extinguishers shall not exceed 50 feet.

**Sources of Ignition**

**806.13** Smoking or open flames shall not be permitted upon any Christmas tree lot. Approved "NO SMOKING" signs shall be posted as required.

**Closure of the Christmas Tree Lot.**

**806.14** On January 5th, following the permit period, all cut, natural Christmas trees, combustible materials, tents, trailers, temporary buildings, and structures associated with the Christmas tree lot shall be removed and the location shall be cleaned to the reasonable satisfaction of the chief."

**SECTION 66**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 1, Sections 3-4.112 and 3-4.113 of the Redondo Beach Municipal Code are hereby amended to read as follows:

"**3-4.112 Means of Egress**

Section 1011.12 is hereby deleted, and a new Section 1011.12 is added to read in its entirety as follows:

**1011.12 Exit Door to Roof.** In every building four or more stories in height all required stairways shall extend to the roof surface unless the roof has a slope greater than four in twelve. The exit doors at the roof shall be always locked and shall not comply to Section 1010.1.9.3. Locking mechanisms shall have the capacity of being unlocked simultaneously without unlatching upon a signal from the central control station or the fire and sprinkler alarm system if a central control system is not required. Upon failure of electrical power, the locking mechanisms shall be retracted to the unlocked position."

**3-4.113 Temporary Haunted Houses, Ghost Walks and Similar Amusement Uses**

**Adopt Appendix P Temporary Haunted Houses, Ghost Walks and Similar Amusement Uses in its entirety.**

Delete Appendix K in its entirety.

Delete ~~**§ 3-4.114. Roofs.** in its entirety.~~

**SECTION 67**. AMENDMENT OF CODE. Section 3-4.115 is added to Title 3, Chapter 4, Article 1, of the Redondo Beach Municipal Code and shall read as follows:

**3-4.115 APPENDIX**

Appendix A, Board of Appeals of the California Fire Code, is replaced with Appendix A, Life Safety Requirements for Existing Buildings. Sections A115.1, A115.3, A115.4, A115.5 and A115.6 of Appendix A of the California Fire Code are hereby added to read as follows:

**A115.1 Date for Compliance.** Six (6) months after notification by the Redondo Beach Fire Department or Building & Safety Department that the structure is in violation of this chapter, every building falling within its scope shall be vacated until made to conform to the requirements of this section. The Fire Chief may grant necessary extensions of time when it can be shown that the specific time periods are not physically practical or pose an undue hardship. The granting of an extension of time for compliance shall be based upon the showing of good cause and subject to the filing of an acceptable systematic progressive plan of correction with the Building Official.

**A115.3 Corridors.** Corridors of Groups A, B, E, F, H, I, M and R, Division 1, and S Occupancies serving an occupancy load of 30 or more, shall have walls and ceilings of not less than one hour fire resistive construction as required by the code. Existing walls surfaced with wood lath and plaster in good condition or 1/2-inch gypsum wallboard or openings with fixed wired glass set in steel frames are permitted for corridor walls and ceilings and occupancy separations when approved. Where lath and plaster is found to be deteriorating in exit corridors, it shall be replaced or covered with 5/8 inch Type X gypsum wallboard throughout. Doors opening into such corridors shall be protected by 20-minute fire assemblies or solid wood doors not less than 1 3/4 inch thick door, a 1 3/8-inch-thick solid bonded wood-core door or equivalent insulated steel door shall be permitted. Doors shall be self-closing or

automatic closing by smoke detection. Transoms and openings other than doors from corridors to rooms shall comply with the California Building Code or shall be covered with a minimum of 3/4 inch plywood or 1/2-inch gypsum wallboard or equivalent material on the room side.

**Exception:** Existing corridor walls, ceilings and opening protection not in compliance with the above may be continued when such buildings are protected with an approved automatic sprinkler system throughout.

**A115.4 General.** Dwelling units and hotel or lodging house guest rooms that are used for sleeping purposes shall be provided with smoke detectors. Detectors shall be installed in accordance with the approved manufacturer's instructions.

**A115.5 Separation of Occupancies.** Occupancy separations shall be provided as specified in the California Building Code. When approved by the Building Official, existing wood lath and plaster in good condition or 1/2 inch gypsum wallboard may be acceptable where one-hour occupancy separations are required.

Upon inspection, where it is found that the original construction or due to deterioration, a condition exists where fire could spread unchecked vertically or horizontally, provide a one-hour fire separation or repair the penetration to the satisfaction of the Fire Department and the Building and Safety Department.

**A115.6 Compliance Data.** After notification by the Redondo Beach Fire Department or Building and Safety Department, the owner shall, subject to the following time limits, take necessary actions to comply with the provisions of this chapter.

Plans and specifications for the necessary alterations shall be filed with the Building Official within 18 months after the date of owner notification. Work on the required alterations to the building shall commence within 30 months of the date of owner notification and such work shall be completed within five years from the date of owner notification.

The Fire Chief may grant necessary extensions of time when it can be shown that the specified time periods are not physically practical or pose an undue hardship. The granting of an extension of time for compliance shall be based upon the showing of good cause and subject to the filing of an acceptable systematic progressive plan of correction with the Building Official.

Section B105.2 of Appendix B of the California Fire Code shall be amended to read in its entirety as follows:

**B105.2 Buildings other than One- and Two-Family Dwellings.** The minimum fire flow and flow duration for buildings other than one and two-family dwellings shall be as specified in Table B105.1.

**Exception:** A reduction in required fire flow of up to 50 percent, as approved is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3. The resulting fire flow shall not be less than 1,500 gallons per minute (5,677.5 L/min.) for the duration as specified in Table B105.1.

Section BB105.2 of Appendix BB of the California Fire Code shall be amended to read in its entirety as follows:

**BB105.1 Buildings other than One- and Two-Family Dwellings.** The minimum fire flow and flow duration for buildings other than one and two-family dwellings shall be as specified in Table BB105.1.

**Exception:** A reduction in required fire flow of up to 50 percent, as approved is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.1.3. The resulting fire flow shall not be less than 1,500 gallons per minute (5,677.5 L/min.) for the duration as specified in Table BB105.1.

Appendix C, Fire Hydrant Locations and Distribution, of the California Fire Code is replaced with Appendix C, Life Safety Requirements for Existing High-Rise Buildings. Section 1 of Appendix C of the California Fire Code is added as follows:

**C101 COMPLIANCE DATA.**

After notification by the Redondo Beach Fire Department or Building and Safety Department, the owner shall, subject to the following time limits, take necessary actions to comply with the provisions of this chapter. Plans and specifications for the necessary alterations shall be filed with the chief within 18 months after the date of owner notification. Work on the required alterations to the building shall commence within 30 months of the date of owner notification and such work shall be completed within five years from the date of owner notification.

The Fire Chief may grant necessary extensions of time when it can be shown that the specific time periods are not physically practical or pose an undue hardship. The granting of an extension of time for compliance shall be based upon the showing of good cause and subject to the filing of an acceptable systematic progressive plan of correction with the chief.

Appendix D of the California Fire Code is amended to read in its entirety as follows:

**Appendix D Fire Apparatus Access Roads**

**D101 – GENERAL**

**D101.1 Scope.** The provisions of Chapter 5, Section 503, apply unless specially modified by this appendix. This appendix is intended to provide guidelines to be considered by the chief when determining fire department access for commercial and residential developments when onsite access is required. Approved alternatives for fire department access include the needs of the local fire department and the following sections.

**Section D10 – Minimum Specifications**

**D102.1 Access and Loading.** Access roadways or streets shall comply with the provisions of Chapter 5, Section 503.2.1. Fire department access shall have an unobstructed width of not less than 25 feet. Road widths shall be as approved by the chief, or as follows:

- 20' feet wide for fire access only,
- 25' feet wide when public access,
- 30’ feet wide for Aerial Ladder Truck Access

*(Measured curb to curb)*

**D102.2 Surface.** Fire apparatus access roads shall be designed and maintained to ensure that all-weather driving capabilities are maintained in accordance with CFC Section 503.2.3. When required by the chief, proposed alternate design criteria for an "all-weather-surface" fire department access road or street, bearing the stamp of a professional engineer shall be provided.

**D103.2 Grades.** Fire apparatus roads shall not exceed 8 percent in grade.

**Exceptions:**

1. The Fire Chief is authorized to allow increased steepness of grade, depending on the apparatus requirements of the fire department, when every building in the residential development is provided with an approved automatic fire sprinkler system.

2. The Fire Chief may allow an increase of the maximum grade when other approved fire protection measures are provided.

**D103.4 Dead Ends.** Dead end fire department access road shall be in accordance with Redondo Beach Fire Department Operations Manual "Fire Lanes." For the purpose of the apparatus maneuvering, the use of bulb or cul-de-sacs, hammerheads, "Y"-heads, or other methods shall be subject to the capabilities of the fire apparatus, as required by the chief.

**D103.4.1 Cul-de-sacs.** Cul-de-sacs shall maintain clear and unobstructed, allowing a turning radius that is consistent with the capabilities of the fire apparatus of the fire department, subject to the approval by the chief.

**Exception:** When alternate methods and means relating turning around of fire apparatus are provided, the provisions of this section may be modified by the chief.

**D103.5.1 Access-control Devices.** When required fire department access is restricted by the installation of access-control devices, such devices shall be approved by the chief, provide adequate clear width for fire department apparatus and be maintained operable at all times.

**D103.6 Signs.** When motor vehicle parking is allowed on access roadways, such parking shall not encroach into the fire department access roadway. When this provision is compromised or restricted, the chief is authorized to require signage to indicate parking restriction in accordance with Section 503.3.

**D103.6.4 Drainage.** When subject to run-off damage, the Chief is authorized to require approved drainage.

**D104.3.4 Multiple Access Provisions.** The Fire Chief is authorized to require two or more means of access in accordance with Section 503.1.2.

**D105 Aerial Ladder Access.** When the height of a structure at the roof eaves exceeds 27 feet or the capability of the fire department to access the roof safely utilizing ground ladders, the location and width of access roadways shall be such that truck mounted aerial ladders may be utilized. Aerial ladder access shall include the ability to maneuver apparatus, deploy outriggers and provide proper climbing angles. The minimum road width shall not be less than 30 feet, or as approved by the chief.

Appendix E, Hazard Categories, of the California Fire Code is replaced with Appendix E, Suppression and Control of Hazardous Fire Areas. Section 1 of Appendix E of the California Fire Code is added to read as follows:

**E101** Maintain additional fire protection or firebreak by removing brush, flammable vegetation and combustible growth located from 30 feet to 100 feet (9,144 mm to 30,480 mm) from such buildings or structures, when required by the chief because of extra-hazardous conditions.

**E102** When required by the Fire Chief, a fire break may be increased up to 200 feet (60,960 mm) on hillside properties to mitigate convective and radiant heat transfer resulting from the slope of the property.

**E103** Grass and other vegetation located more than 30 feet (9,144 mm) from such buildings or structures and less than 18 inches (457 mm) in height above the ground, may be maintained where necessary to stabilize the soil and prevent erosion.

Appendix N of the California Fire Code is adopted and reassigned as Appendix F."

**SECTION 68**. AMENDMENT OF CODE. Title 3, Chapter 4, Article 3, Section 3-4.301 of the Redondo Beach Municipal Code is hereby amended to read as follows:

"**Section 3-4.301 Use and discharge of fireworks.**

Chapter 56, Sections 5601.1.3, 5601.1.3.1 and 5601.7 are added to read as follows:

**5601.1.3 Fireworks.** The possession, manufacture storage, sale, handling, and use of fireworks are prohibited. The possession, sale, use, and/or discharge of "Safe and Sane" fireworks is prohibited.

**Exceptions:**

1. Storage and handling of fireworks as allowed by Section 5604.

2. Manufacture, assembly and testing of fireworks as allowed in Section 5606 and health and Safety Code Division 11.

3. The use of fireworks for fireworks displays, pyrotechnic before a proximate audience and pyrotechnic special effects in motion pictures, television, theatrical or group entertainment productions are allowed in Title 19, Division 1, Chapter 6 Fireworks reprinted in Section 5608 and Health and Safety Code Division 11.

**5601.1.3.1 Fireworks.** The manufacturing, possession, storage sale, use and handling of fireworks, including without limitation, "Safe and Sane" fireworks, is prohibited.

**Exceptions:**

1. Storage of fireworks in accordance with the requirements for low order explosives in Title 19, California Code of Regulations, Chapter 10.

2. Storage of fireworks, 1.4G in accordance with the Building Code.

3. Use and handling of fireworks for professional display in accordance with Title 19, California Code of Regulations, Chapter 6.

**5601.7 Seizure of Fireworks.** All fireworks including "State approved" shall be illegal in the City of Redondo Beach. The fire code official and police officers shall have the authority to seize, take and remove fireworks and/or safe and sane fireworks stored, sold, offered for sale, used or handled in violation of the provisions of Title 19 CCR, Division 1, Chapter 6 and Health and Safety Code, Chapter 9.

**Exception:** When permits are issued for such use.

**5601.7.1 Financial Responsibility.** See section 104.11 Financial Responsibility for cost recovery of enforcement of section 5601.7. Fireworks maybe identified as hazardous waste by the State of California; violators may be responsible for any disposal fees."

**SECTION 69**. Any provisions of the Redondo Beach Municipal Code, or appendices thereto, or any other ordinances of the City, to the extent that they are inconsistent with this ordinance, and no further, are hereby repealed.

**SECTION 70**. If any section, subsection, sentence, clause, or phrase of this ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of the ordinance. The City Council hereby declares that it would have passed this ordinance and each section, subsection, sentence, clause, and phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, or phrases be declared invalid or unconstitutional.

**SECTION 71**. This notice shall be published by one insertion in, the official newspaper of the City or published in conformance with the alternative publication requirements pursuant to Redondo Beach City Charter §9.15 and this ordinance shall take effect and be in full force and operation thirty (30) days after its final passage and adoption.

**SECTION 72**. The City Clerk shall certify to the adoption of this ordinance; shall cause the same to be entered in the book of original ordinances of said City; shall make a minute of the passage and adoption thereof in the records of the meeting at which the same is passed and adopted; and shall within fifteen (15) days after the passage and adoption thereof cause the same to be published by one insertion in *The Easy Reader*, the official newspaper of the City and a weekly newspaper of general circulation, published and circulated within the City of Redondo Beach hereby designated for that purpose.

**SECTION 73**. This Ordinance will become effective at 12:01 a.m. on January 1, 2026.

**SECTION 74**. The City Clerk shall cause a summary of this Ordinance to be published as provided by law. The summary shall be published and a certified copy of the full text of this Ordinance shall be posted in the Office of the City Clerk at least five (5) days prior to the City Council meeting at which this Ordinance is to be adopted. Within fifteen (15) days after the adoption of this Ordinance, the City Clerk shall cause a summary to be published with the names of those City Council members voting for and against this Ordinance and shall post in the Office of the City Clerk a certified copy of the full text of this Ordinance along with the names of those City Council members voting for and against the Ordinance.

PASSED, APPROVED AND ADOPTED this 4 day of November, 2025.

_____
James A. Light, Mayor

APPROVED AS TO FORM:

ATTEST:

_____
Joy A. Ford, City Attorney

_____
Eleanor Manzano, CMC, City Clerk

STATE OF CALIFORNIA )

COUNTY OF LOS ANGELES ) ss

CITY OF REDONDO BEACH )

I, Eleanor Manzano, City Clerk of the City of Redondo Beach, California, do hereby certify that Ordinance No. 3307-25 was introduced at a regular meeting of the City Council held on the 21 day of October, 2025, and approved and adopted by the City Council of the City of Redondo Beach, California, at a regular meeting of said City Council held on the 4 day of November, 2025, and there after signed and approved by the Mayor and attested by the City Clerk, and that said Ordinance was adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____

Eleanor Manzano, CMC
City Clerk

## “EXHIBIT A”

Findings to Support Local Amendments to the 2025 Edition of the California Building Standards Code

The City Council hereby finds and declares that, based on prevailing local climatic, geological, and topographical conditions, specific amendments, additions, and deletions to the 2025 California Building Standards Code are reasonably necessary to ensure adequate and effective safeguards for the protection of life, health, and property within the jurisdiction.

Furthermore, in accordance with Assembly Bill 130, the City shall continue to adopt and enforce the amendments previously established under the 2022 Edition of the California Building Standards Code as they pertain to residential occupancies. These provisions shall be incorporated into the 2025 Edition to maintain regulatory consistency and uphold public safety standards.

The following amendments are justified by the local conditions outlined in the accompanying justification matrix and are hereby adopted as part of this ordinance:

| 2025 California Building Code Section | Title / Subject | Findings (see key below) |
|---|---|---|
| [A] 105.1 | Permits required | Administrative |
| [A] 105.2 | Work exempt from permit | B-B1 |
| [A] 105.3.2 | Time limitation of application | Administrative |
| [A] 105.5 | Permit expiration | Administrative |
| [A] 107.1 | General | Administrative |
| [A] 107.1.1 | Plan review fees [added] | Administrative |
| [A] 109.2 | Schedule of permit fees | Administrative |
| [A] 109.3 | Permit valuations | Administrative |
| [A] 109.4 | Work commencing before permit issuance | Administrative |
| [A] 109.6 | Refunds | Administrative |
| [A] 111.1 | Use and occupancy | Administrative |
| [A] 114.4 | Violation penalties | Administrative |
| [F] 903.2.1.1.1 | Group A-1 | B-A1 Climatic |
| [F] 903.2.1.2.1 | Group A-2 | B-A1 Climatic |
| [F] 903.2.1.3.1 | Group A-3 | B-A1 Climatic |
| [F] 903.2.1.4.1 | Group A-4 | B-A1 Climatic |
| [F] 903.2.1.5.2 | Group A-5 | B-A1 Climatic |
| [F] 903.2.1.8 | Group B [added] | B-A1 Climatic |
| [F] 903.2.3 | Group E | B-A1 Climatic |
| [F] 903.2.4 | Group F-1 | B-A1 Climatic |
| [F] 903.2.4.1 | Woodworking operations | B-A1 Climatic |
| [F] 903.2.6 | Group I | B-A1 Climatic |
| [F] 903.2.7 | Group M | B-A1 Climatic |
| [F] 903.2.9 | Group S-1 | B-A1 Climatic |
| [F] 903.2.9.1 | Repair garages | B-A1 Climatic |

| | | |
|---|---|---|
| [F] 903.2.9.2 | Bulk storage of tires | B-A1 Climatic |
| [F] 903.2.10 | Group S-2 | B-A1 Climatic |
| [F] 903.2.8 | Group R3 | B-A1 Climatic |
| [F] 903.2.8.3 | Group R-4, Condition 1 | B-A1 Climatic |
| [F] 903.2.22 | Existing building of all occupancies [added] | B-A1 Climatic |
| [F] 903.3.1.3 | NFPA 13D | B-A1, B-E1 |
| 1505.1 & Table 1505.1 | General roofing and re-roofing | B-A1 Climatic |
| Appendix B | Appendix B | Administrative, B-G1 |
| Appendix F | Appendix F | B-G1, Administrative |
| Appendix G | Appendix G | B-F1 |
| Appendix H | Appendix H | B-A1, B-B1, B-E1, B-F1 |
| Appendix I | Appendix I | B-A1, B-B1, B-E1 |
| Appendix J | Appendix J | B-F1 |
| Appendix P | Appendix P | B-A1, B-B1, B-E1, B-F1 |
| Appendix Q | Appendix Q | B-A1, B-B1, B-E1 |

| 2025 California Residential Code Section | Title / Subject | Findings (see key below) |
|---|---|---|
| R105.1 | Permits required | Administrative |
| R105.2 | Work exempt from permit | B-B1 |
| R105.3.2 | Time limitation of application | Administrative |
| R105.5 | Permit expiration | Administrative |
| R108.2 | Schedule of permit fees | Administrative |
| R108.3 | Building Permit Valuations | Administrative |
| R108.5 | Refunds | Administrative |
| R108.6 | Work commencing before permit issuance | Administrative |
| R106.1 | Plan submittal | Administrative |
| R106.1.1.1 | Plan Review Fees | Administrative |
| R110.3 | Certificate issued | Administrative |
| R113.4 | Violation penalties | Administrative |
| R309.1 & Exception | Townhouse automatic fire sprinkler systems | B-A1 |
| R309.2 & Exception | One and two family dwellings automatic fire sprinkler systems | B-A1 |
| Appendix BB | Appendix BB | B-A1, B-E1, B-F1 |
| Appendix BF | Appendix BF | B-A1, B-E1, B-F1 |
| Appendix BH | Appendix BH | B-A1, B-B1, B-E1, B-F1 |
| Appendix BM | Appendix BM | B-A1, B-D1, B-E1, B-F1 |
| Appendix CI | Appendix CI | B-A1, B-E1, B-F1 |
| Appendix CJ | Appendix CJ | B-A1, B-B1, B-E1, B-F1 |

| 2025 California Electrical Code Section | Title / Subject | Findings (see key below) |
|---|---|---|

| | | |
|---|---|---|
| 89.108.4.2 | Fees | Administrative |
| 89.108.4.3 | Plan review and time limitations | Administrative |
| 230-30 (A) | Underground services | B-E1 |
| 230.70 (A) (1) | Service equipment - readily accessible location | B-E1 |
| 230.79 (E) | Multi-family dwellings | B-D1, B-G1 |

| 2025 California Plumbing Code Section | Title / Subject | Findings (see key below) |
|---|---|---|
| 104.3.2 | Plan review fees | Administrative |
| 104.3.3 | Expiration of plan review | Administrative |
| Table 104.5 | Plumbing permit fees | Administrative |
| 104.5.1 | Work commencing before permit issuance | Administrative |
| 104.5.2 | Investigation fee | Administrative |
| 106.3 | Violation penalties | Administrative |
| Appendix A | Appendix A | B-A1, B-E1, B-F1 |
| Appendix B | Appendix B | B-A1, B-E1, B-F1 |
| Appendix C | Appendix C | B-A1, B-E1, B-F1 |
| Appendix D | Appendix D | B-A1, B-E1, B-F1 |
| Appendix G | Appendix G | B-A1, B-E1, B-F1 |
| Appendix H | Appendix H | B-A1, B-E1, B-F1 |
| Appendix I | Appendix I | B-A1, B-E1, B-F1 |
| Appendix J | Appendix J | B-A1, B-E1, B-F1 |
| Appendix K | Appendix K | B-A1, B-E1, B-F1 |
| Appendix L | Appendix L | B-A1, B-E1, B-F1 |
| Appendix M | Appendix M | B-A1, B-E1, B-F1 |

| 2025 California Mechanical Code Section | Title / Subject | Findings (see key below) |
|---|---|---|
| 304.5 | Roof mounted appliances | B-B1 |
| 104.5 & Table 104.5 | Fees | Administrative |
| 104.5.1 | Work commencing before permit issuance | Administrative |
| 104.5.2 | Investigation fee | Administrative |
| 104.4.3 | Permit expiration | Administrative |
| 104.3.1 | Construction documents | Administrative |
| 104.3.2 | Plan review fees | Administrative |
| 104.3.3 | Time limitation of application | Administrative |
| 106.1 | General | Administrative |
| 106.3 | Penalties | Administrative |
| Appendix A | Appendix A | B-A1, B-E1, B-F1 |
| Appendix B | Appendix B | B-A1, B-E1, B-F1 |
| Appendix C | Appendix C | B-A1, B-E1, B-F1 |

| | | |
|---|---|---|
| Appendix F | Appendix F | B-D1, B-F1, B-G1 |
| Appendix G | Appendix G | B-F1, B-G1 |

| 2025 California Fire Code Section | Title / Subject | Findings (see key below) |
|---|---|---|
| [A] 103.1 | Creation of agency | Administrative |
| [A] 104.1.1 | Fire prevention standard operating guidelines | Administrative |
| [A] 104.1.2 | Authority of peace officers | Administrative |
| [A] 104.10 | Fire Investigations | Administrative |
| [A] 104.10.2 | Financial Responsibility | Administrative |
| [A] 104.11 | Authority at fires and other emergencies | Administrative |
| [A] 104.11.4 | Financial responsibility | Administrative |
| [A] 113.4 | Violation Penalties | Administrative |
| 105.5.10 | Covered and Open Mall Buildings | B1, G1 |
| 105.6.26 | Christmas tree lots | A1, E1 |
| 105.6.27 | Daycare commercial | A1, B1 |
| 105.6.28 | Daycare large family | A1, B1 |
| 105.6.29 | Fireworks | A1, E1 |
| 105.6.30 | General use | A1, B1, D1 |
| 105.5.31 | Group R-2.1 | A1, B1 |
| 105.6.32 | Group I-2 | A1, B1 |
| 105.6.33 | Group I-2.1 | A1, B1 |
| 105.6.34 | Group I-3 | A1, B1 |
| 105.6.35 | Group I-4, day care facilities | A1, B1 |
| 105.6.36 | Radioactive materials | D1 |
| 105.6.37 | Residential care facility | A1, B1 |
| 401.10 | Immediate Reporting of a Release or a Threatened Release | A1, B1 |
| 503.2.1 | Private Roads Used for Fire Apparatus Access | E1, G1, A1 |
| Table 503.2.1-A | Minimum width of private roads for fire apparatus | E1, G1, A1 |
| 503.3 | Fire lane marking/signage | A1, B1, D1 |
| 505.1 | Address numbers | B1, G1 |
| 507.1 | Required water supply | E1, G1, B1, A1 |
| 507.2.1 | Private fire hydrants | E1, G1, B1, A1 |
| 507.5 | Fire hydrant systems | E1, G1, B1, A1 |
| 507.5.1 | Public fire hydrants | E1, G1, B1, A1 |
| 806.1.1.1 | Natural cut trees B Occupancies | A1, E1 |
| 806.5-806.14 | Permit and Plan | Administrative |
| 901.11 | Problematic systems | A1, E1, B1 |
| 901.12 | Firewatch | A1, E1, B1 |
| 903.2 | Where Required | A1, E1, B1 |
| 903.2.1-903.2.11.3 | Occupancy Groups | A1, E1, B1 |
| 903.2.8.1.1 | Existing R-3 Occupancies | A1, E1, B1 |
| 903.3.1.3.1 | Protection of Attached Garages | A1, E1, B1 |
| 903.3.5.3 | Hydraulically Calculated Systems | A1, E1, B1 |
| 903.3.8 | Limited Area Sprinkler System | A1, E1, B1 |
| 903.3.8.1-903.3.8.5 | deleted/omitted | A1, E1, B1 |

| | | |
|---|---|---|
| 903.3.9 | Floor Control Valves | A1, E1, B1 |
| 903.4.3 | Alarms | A1, E1, B1 |
| 907.6.6 | Monitoring | A1, E1, B1 |
| 907.2.11.2.7 | Occupancy Alarm Notification with NFPA 13D Sprinkler Systems | E1, G1, B1, A1 |
| 907.8.5 | Annual Fire Alarm Maintenance, Inspection and Testing | E1, G1, B1, A1 |
| 1011.12 | Exit Door to Roof | A1, E1, B1 |
| 1205.2.1 | Solar photovoltaic for group R-3 | A1, E1, G1 |
| 1205.2.1.1 | Set backs for ridge for smoke and heat venting | A1, E1, G1 |
| 1205.2.1.2 | Flat and alternate roofs | A1, E1, G1 |
| 1205.2.1.3 | Alternate setbacks at ridge | A1, E1, G1 |
| 1207.11.3 | Location of ESS | A1, E1, G1 |
| 1207.11.4 | Energy ratings | A1, E1, G1, D1 |
| 1207.11.6 | Fire detection | A1, E1, G1 |
| 1207.11.7.1 Figure | ESS Vehicle Impact Protection | A1, E1, G1 |
| 2306.2.3.1 | Protected aboveground tanks | B1, E1 |
| 2306.2.3.2 | Above ground tanks | B1, E1 |
| Appendix A | Appendix A | A1, D1, E1, G1 |
| Appendix B | Appendix B | A1, D1, E1, G1, B1 |
| Appendix BB | Appendix BB | A1, D1, E1, G1, B1 |
| Appendix C | Appendix C | A1, D1, E1, G1, B1 |
| Appendix CC | Appendix CC | A1, D1, E1, G1, B1 |
| Appendix D | Appendix D | E1, G1, A1 |
| Appendix E | Appendix E | A1, E1 |
| Appendix P | Temporary Haunted Houses, Ghost Walks and Similar Amusement Uses | B1, E1 |

**Justification KEY:**

**A -** Administrative amendment, which does not modify a building standard as defined in California Health & Safety Code section 18909. The amendment establishes administrative procedures for the effective enforcement of the building standards in the City of Redondo Beach.

**B -** This amendment is reasonably necessary because of the following local climatic, geological, or topographical conditions:

"A1. Climatic. The city experiences periods of extremely high temperatures accompanied by low humidity and high winds each year. Homes and other structures are often six feet or less from one another making fire spread more likely. These conditions create an environment in which there is an increased risk of fire. "

"B1. Geological. Redondo Beach is prone to seismic activity due to the existence of active earthquake faults in the Southern California area. Due to the high geologic activities in the Southern California area, amendments are required to address and clarify special needs for buildings constructed in a seismically active area. “

"C1. Climatic. Precautionary steps are necessary to reduce or eliminate potential problems that may result from using timber footings in Redondo Beach, as timber footings experience relatively rapid

decay due to the fact that the region does not experience temperatures cold enough to destroy or retard the growth and proliferation of wood-destroying organisms. “

"D1. Climatic and Topographical. Environmental resources in the city of Redondo Beach are scarce due to varying, and occasionally immoderate, temperatures and weather conditions. Expanding the scope of the mandatory requirements of this Code will achieve a greater reduction in greenhouse gases, higher efficiencies of energy, water, and material usage and improved environmental air quality."

"E1. Topographical. The city is located in a densely populated coastal area in Los Angeles County that is more prone to high winds, earthquakes and fire, making it more difficult for Fire personnel to access than many other areas in California."

"F1. Climatic. The city experiences periods of moist salt air which create an environment in which there is an increased rate of corrosion. “

"G1. Topographical. The City is located in a densely populated coastal area in Los Angeles County with small lot dimensions, amendments are necessary to maintain the integrity of public or private property."

# Administrative Report

L.1., **File #** 25-1434 **Meeting Date:** 10/21/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

## TITLE

PUBLIC HEARING TO CONSIDER AN ORDINANCE AMENDING TITLES 9 AND 3 OF THE REDONDO BEACH MUNICIPAL CODE, AND ADOPTING TITLE 24, PARTS 1 THROUGH 12, OF THE CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS

INTRODUCE BY TITLE ONLY ORDIANCE NO. 3307-25, AN ORDINANCE OF THE CITY OF REDONDO BEACH, CALIFORNIA, ADOPTING BY REFERENCE THE 2025 EDITIONS OF THE CALIFORNIA BUILDING CODE, CALIFORNIA RESIDENTIAL CODE, CALIFORNIA ELECTRICAL CODE, CALIFORNIA PLUMBING CODE, CALIFORNIA MECHANICAL CODE, CALIFORNIA FIRE CODE, CALIFORNIA EXISTING BUILDING CODE, CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA ENERGY CODE, CALIFORNIA ADMINISTRATIVE CODE, CALIFORNIA HISTORICAL BUILDING CODE, THE CALIFORNIA REFERENCE STANDARDS CODE, 2024 INTERNATIONAL PROPERTY MAINTENANCE CODE, 2006 UNIFORM SWIMMING POOL, SPA, AND HOT TUB CODE, 1997 UNIFORM HOUSING CODE, AND 1997 UNIFORM CODE FOR ABATEMENT OF DANGEROUS BUILDINGS TOGETHER WITH CERTAIN DELETIONS, ADDITIONS AND AMENDMENTS TO TITLES 3, 5, AND 9 OF THE REDONDO BEACH MUNICIPAL CODE

PROCEDURES:

a. Open the public hearing and take testimony;
b. Close the public hearing; and
c. Introduce Ordinance No. 3307-25 by title only

## EXECUTIVE SUMMARY

The California Government Code mandates the City conduct a Public Hearing prior to the adoption of any State Codes. This public hearing initiates the process of adopting the most recent California Building Standards Code of Regulations to update and bring into compliance the City of Redondo Beach's building regulations.

The California Building Standards Commission published the most recent edition of Title 24 of the California Code of Regulations, known as the California Building Standards Code, on July 1, 2025, with an effective date of January 1, 2026. The Triennial Code Adoption Cycle is a routine rule-making process that occurs every three years in which various State agencies adopt building standards based on model codes. State law requires local governments to enforce the California Building Standards Code. Most cities adopt the published Title 24 by reference and must adopt these codes

with any local amendments prior to January 1, 2026.

The California Building Standards Codes includes the 2025 California Building, Residential, Electrical, Mechanical, Plumbing, Energy, Existing and Green Building Codes.

There are amendments to the City of Redondo Beach Municipal Code (RBMC) required in adopting these regulations, including corrections of code section references, administrative codes, fees, and violations. Previous amendments from the 2022 California Building Standards Codes were removed and replaced with references to the 2025 California Building Standards Codes. Residential amendments from the 2022 California Building Standards Codes that remain unchanged have been carried forward into the 2025 California Building Standards Codes and will continue to be carried forward to the 2028 California Building Standards Codes pursuant to Assembly Bill (AB) 130 Housing.

Additionally, changes are required to the RBMC to align with modifications made as part of the 2025 California Fire Code update. It should be noted that the City would retain local fire codes approved in previous adoptions that exceed state restrictions, such as increased requirements for fire sprinklers, restrictions on fireworks in the City, and additional safety features for photovoltaic systems.

## BACKGROUND

The State of California adopted the 2025 California Building Standards Codes which now must, in turn, be adopted by reference for each city or county in the state. Significant code changes contained within the California Code of Regulations Title 24 with regard to the regulation of building construction include increasing energy standards and enhanced structural requirements. Local amendments to Titles 3, 5, and 9 of the RBMC correct prior code section references, remove various past amendments, and continue the existing amendments that are identified in Title 9 of the RBMC. Staff has also updated the RBMC to remove provisions that are duplicative of the California Building Codes.

Cities are able to amend certain building and fire standards due to unique climatic, geological, and topographical conditions unique to the jurisdiction if findings of necessity can be made consistent with California Health and Safety Code Sections 17958.5 and 18941.5. Historically, the City of Redondo Beach has adopted the most recently published edition of the California Code of Regulations Title 24 and has amended certain code sections that apply to the unique characteristics and special hazards within the community. Some of the characteristics include, but are not limited to, steep terrain that poses geotechnical challenges, lateral and uplift forces from seismic events, and location of structures, often six feet or less from adjacent structures, making fire spread more likely with local climatic conditions. These local requirements have been carried forward in this Ordinance.

In order to have the new California Code of Regulations Title 24 with amendments recognized as law, the City Council must officially adopt these Codes by Ordinance. Additionally, as required by law, the proposed California Code of Regulations Title 24 with amendments and the proposed adoption of the 2024 International Property Maintenance Code (IPMC), 2006 Uniform Swimming Pool and Hot Tub Code, 1997 Uniform Housing Code, and the 1997 Uniform Code for Abatement of Dangerous Buildings must be considered at a public hearing.

Amendments to the 2025 California Fire Code update the RBMC to have the current references to

the sections in the newest code for all of the existing local restrictions. All existing code amendments would remain in place and are carried forward in Title 3, Chapter 4 of the RBMC. These existing amendments cover topics such as fire alarm systems, fire sprinklers, fireworks, and enhanced lettering on addresses. The amendments maintain the width of roads on private property that allow for Fire Apparatus access and require additional safety features for photovoltaic arrays on roofs. These restrictions allow firefighters access to private roads and build safety features into solar energy systems.

The Building and Fire Code amendments are part of the joint effort by 89 jurisdictions within Los Angeles County to meet local conditions and present similar requirements for vendors who work in the area.

All previous amendments would remain in force, and are identified in Title 9, of the RBMC. The recommended action is consistent with actions taken by other cities which adopt State codes by reference. This agenda item allows for the statutorily mandated public hearing to take place and for the code amendments to be introduced for Council consideration.

## COORDINATION

The California Code of Regulations Title 24 code amendments have been developed in collaboration between the Community Development Department and the Fire Department. Regional municipal agencies have been consulted in the process to develop reasonable continuity between other local cities. The draft Ordinance has been reviewed and approved as to form by the City Attorney's Office.

## FISCAL IMPACT

The cost for preparing the Building Code adoption is included in the Fiscal Year 2025-26 Annual Budget for the City and is part of each Department's regular work program.

**APPROVED BY:**
*Mike Witzansky, City Manager*

## ATTACHMENTS

- Ord - No. 3307-25 Amending Title 9 Building Code and Title 3 Chapter 4 Fire Prevention Code
- Notice of Public Hearing - October 10, 2025

# Administrative Report

H.13., **File #** 25-1486 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: MARC WIENER, COMMUNITY DEVELOPMENT DIRECTOR

**TITLE**

APPROVE HISTORIC PROPERTY PRESERVATION AGREEMENTS FOR THE PROPERTIES LOCATED AT 217 AVENUE F AND 102 N BROADWAY FOR A TERM OF TEN YEARS WITH AUTOMATIC ONE-YEAR RENEWALS

The Mills Act is a State law that enables cities to enter into preservation agreements with the owners of officially designated historic buildings. In exchange for assuring continued preservation, property owners qualify for a property tax reduction. At this time, Historic Property Preservation Agreements (aka Mills Act Agreements) are being sought for the properties at 217 Avenue F and 102 N Broadway, both of which were voluntarily designated as Historic City Landmarks.

**BACKGROUND**

Since October 1992, the City Council has supported the approval of Mills Act Agreements with owners of properties designated as Local Historic Landmarks. This program has become an incentive for property owners to apply for Local Historic Landmark designation under the City's Preservation Ordinance. The number of Redondo Beach property owners interested in the Mills Act Program has increased each year as more property owners have become aware of its availability and benefits. This item provides the opportunity for the City Council to consider Historic Property Preservation Agreements for the following properties:

217 Avenue F

The property at 217 Avenue F is a 2,031 square foot, R-1 zoned, Single-Family Residential parcel. The existing two-story residence was built in 1937. This dwelling is a well-designed example of early architecture in the area, featuring characteristics such as smooth stucco, terra cotta roof tiles, and an ornamental wrought iron balcony. This home is identified in the City's Historic Resources Survey as a “B” rated Spanish Colonial Revival structure and was voluntarily presented for consideration as a Local Historic Landmark by the owner. The property was designated by the Preservation Commission as a City Landmark on December 11, 2024.

102 N Broadway

The property at 102, 104, 106 North Broadway, and 401, 403, 405 Emerald Street (APN 7505-007-023) was built in 1925 and is a well-preserved, classic example of a bungalow court in the Spanish Colonial Revival style, a residential typology that is increasingly rare in the City. The property consists of seven buildings, with nine residential units, and is situated on a block with several adjacent, designated landmarks, suggesting its potential contribution to a future historic district. The

property had been previously identified in the City's 1986 Historic Survey as an “A” structure, indicating its high potential for historic significance and possible National Register eligibility. The property was voluntarily presented for consideration as a Local Historic Landmark by the owner and designated by the Public Amenities Commission as a City Landmark on April 9, 2025.

Historic Property Preservation Agreement

The proposed Historic Property Preservation Agreements are identical to agreements previously approved by the City Council. The following is a description of the most pertinent provisions of the Mills Act Agreements.

The Mills Act requires that the initial term of the Agreement be ten years. On the anniversary date of the Agreement, it is automatically renewed for an additional year so that it has a continual ten-year time horizon. The City, or the owner, may call for the Agreement to not be renewed prior to the established anniversary date. If this happens, the Agreement continues in effect until its current term expires, but the property will gradually be assessed more each year, incrementally raising the assessed value to match the market value until the Agreement expires.

The Agreement requires that the subject building be maintained and preserved in keeping with its historic character for the life of the Agreement. As a designated landmark, exterior alterations will be subject to review and approval by the Public Amenities Commission. The Mills Act requires the Agreement to "run with the property," and is binding for all subsequent property owners. The City may cancel the Agreement immediately (different from non-renewal) if it is found that the owner has failed to comply with the Agreement's terms, or if the structure has been allowed to deteriorate to the point where it is no longer a qualified historical structure. Cancellation carries with it a penalty equivalent to 12.5% of the property's full market value.

The primary benefit of the Agreement to the owner is the reassessment of the historic property by the County Assessor's Office based on a special formula within the Mills Act. The County Assessor, however, will not determine the actual reduction in assessed value until after the Agreement is recorded.

Since the City's Historic Preservation Program is completely voluntary, it is dependent on providing tangible incentives to property owners. The Mills Act is proving to be the primary incentive to encourage owners to list their homes as landmarks and fulfill the program's objective of preserving Redondo Beach's historic character and identity. Since older homes are often in need of more upkeep, the tax benefits of the Mills Act provide owners with additional resources to complete this work.

## COORDINATION

The Agreements were produced in coordination with the City Attorney’s Office as well as the property owners.

## FISCAL IMPACT

Based on reassessments, which have been made for other properties in Redondo Beach seeking Mills Act agreements, a typical residence would be reassessed at approximately 60% of its current market value. This would reduce the owners' annual property taxes by approximately 40%. The actual amount of the tax reduction is dependent upon the property's current assessed value. For

example, if the property is currently valued at $1,000,000, the reduced property assessment would be in the range of $600,000.

The City currently receives 16.6% of the total property taxes collected on a given property. Based on the above calculation, the annual loss in property tax revenue to the City would be approximately $400 for a $1,000,000 property reassessed at $600,000.

**APPROVED BY:**
*Mike Witzansky, City Manager*

**ATTACHMENTS**

- Agmt - Historic Property Preservation Agreement, 217 Avenue F
- Application for Landmark Designation, 217 Avenue F
- Site Photos of Properties, 217 Avenue F
- Reso - No. 2024-12-PA-04 Historic Landmark Designation, 217 Avenue F
- Agmt - Historic Property Preservation Agreements with Landmark Resolutions, 102 N Broadway, and 401, 403, 405 Emerald Street
- Application for Landmark Designation, 102 N Broadway, and 401, 403, 405 Emerald Street
- Site Photos of Properties, 102 N Broadway , and 401, 403, 405 Emerald Street
- Resolution No. 2025-04-PA-02 Historic Landmark Designation, 102, 104, 106 North Broadway, and 401, 403, 405 Emerald Street

Recording requested by and when recorded mail to:

City Clerk
City of Redondo Beach
P.O. Box 270
Redondo Beach, CA 90277

**HISTORIC PROPERTY PRESERVATION AGREEMENT BETWEEN THE CITY OF REDONDO BEACH AND CHRIS YOUNG & JENNIFER MORRA**

THIS HISTORIC PROPERTY PRESERVATION AGREEMENT (this "Agreement") is made by and between the CITY OF REDONDO BEACH, a municipal corporation ("City"), CHRIS YOUNG & JENNIFER MORRA ("Owner") with reference to the following:

## R E C I T A L S

A. California Government Code Section 50280, et seq. authorizes cities to enter into contracts with the owners of qualified historical property to provide for the use, maintenance and restoration of such historical property so to retain its characteristics as property of historical significance;

B. Owner holds fee title in and to that certain real property, together with associated structures and improvements thereon, commonly known as 217 Avenue F, Redondo Beach, California, (the "Historic Property"). A legal description of the Historic Property is attached hereto, marked as Exhibit "A" and is incorporated herein by this reference;

C. On December 11, 2024, the Preservation Commission of the City of Redondo Beach adopted Resolution No. 2024-12-PA-04 (Exhibit “C”) thereby declaring and designating the Historic Property as a landmark pursuant to the terms and provisions of Chapter 4, Title 10 of the Redondo Beach Municipal Code, and subject to the execution and recordation of this Agreement;

D. City desires to enter into this Agreement for the purpose of protecting and preserving the characteristics of historical significance of the Historic Property;

E. Owner, in consideration for abiding by the terms of this Agreement, shall be entitled to qualify for a reassessment of valuation of the Historic Property, pursuant to the provisions of Chapter 3, Part 2, of Division 1 of the California Revenue and Taxation Code, and any corresponding adjustment in property taxes resulting therefrom.

NOW, THEREFORE, in consideration of the mutual covenants and conditions set forth herein, the parties do hereby agree as follows:

1. Effective Date and Term of Agreement. This Agreement shall be effective and commence on November 4, 2025 ("Effective Date"), and shall remain in effect for a term of ten (10) years thereafter. Each year upon the anniversary of the effective date, such initial term will automatically be extended as provided in paragraph 2, below.

2. Renewal. On each yearly anniversary of the Effective Date of this Agreement (hereinafter referred to as the "renewal date"), an additional one-year term shall automatically be added to the initial term of this Agreement unless a notice of nonrenewal ("Notice of Nonrenewal") is mailed as provided herein. If either Owner or City desires in any year not to renew this Agreement, Owner or City shall serve a written Notice of Nonrenewal upon the other party in advance of the annual renewal date of this Agreement. Such Notice of Nonrenewal shall be effective if served by Owner upon City at least ninety (90) days prior to the annual renewal date, or if served by City upon Owner, such Notice of Nonrenewal shall be effective if served upon Owner at least sixty (60) days prior to the annual renewal date.

3. Owner Protest of City Nonrenewal. Within fifteen (15) days of receipt by Owner of a Notice of Nonrenewal from City, Owner may make and file a written protest of the Notice of Nonrenewal. Upon receipt of such protest, the City Council shall set a hearing prior to the expiration of the renewal date of this Agreement. Owner may furnish the City Council with any information which the Owner deems relevant, and shall furnish the City Council with any information it may require. The City Council may, at any time prior to the annual renewal date of this Agreement, withdraw its Notice of Nonrenewal. If either City or Owner serves a Notice of Nonrenewal in any year, this Agreement shall remain in effect for the balance of the term then remaining, either from its original execution or from the last renewal of this Agreement, whichever may apply.

4. Assessment of Valuation. Tax relief afforded to the Owner pursuant to Chapter 3, Part 2, of Division 1 of the California Revenue and Taxation Code will require negotiation with the Los Angeles County Assessor's Office.

5. Standards for Historical Property. Owner shall preserve and maintain the Historic Property and its Character Defining Features according to the rules and regulations of the Office of Historic Preservation of the California Department of Parks and Recreation, the U.S. Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings, and the City of Redondo Beach Preservation Commission Design Guidelines. Character Defining Features include, but are not necessarily limited to, the general architectural form, style, materials, design, scale, details, mass, roof line, porch, and other aspects of the appearance of the exterior. The Secretary of Interior's Standards for Rehabilitation (attached hereto and marked as Exhibit "B") shall be incorporated herein by reference and constitute the minimum

standards and conditions for maintenance, use, and preservation of the Historic Property. Such Standards shall apply to the property throughout the term of this Agreement.

6. Periodic Examinations. Owner shall allow reasonable periodic examinations, by prior appointment, of the exterior of the Historic Property by representatives of the County Assessor, State Department of Parks and Recreation, State Board of Equalization, and/or the City, as may be necessary to determine owner's compliance with the terms and provisions of this Agreement.

7. Provision of Information of Compliance. Owner hereby agrees to furnish City with any and all information requested by the City which may be necessary or advisable to determine compliance with the terms and provisions of this Agreement.

8. Cancellation. City, following a duly noticed public hearing, as set forth in California Government Code Sections 50285, et seq., may cancel this Agreement if it determines that Owner breached any of the conditions of this Agreement or has allowed the property to deteriorate to the point that it no longer meets the standards for a qualified historic property. City may also cancel this Agreement if it determines that the Owner has failed to maintain and preserve the Historic Property in accordance with the terms of this Agreement. If this Agreement is cancelled because of failure of the Owner to preserve, maintain, and rehabilitate the Historic Property as specified above, the Owner shall pay a cancellation fee to the state Controller as set forth by the provisions of Government Code Section 50286.

9. Destruction. Notwithstanding any provision of this Agreement to the contrary, the Owner may cancel this Agreement without payment of the cancellation fee set forth in Paragraph 8, if the existing single-family residence [the "Structure"] on the Historic Property is damaged by fire, earthquake, or other Act of God or accidental cause to the extent (1) the then fair market value of said Structure is reduced by 51 percent or more; or (2) 51 percent or more of said Structure's floor area is destroyed or irreparably damaged; or (3) 51 percent or more of the Structure's Character Defining Features are destroyed or irreparably damaged; or (4) that the cost to the Owner (exclusive of insurance proceeds) to restore the Structure to its prior condition would exceed $10,000.00. If the Owner desires to cancel this Agreement under this Paragraph 9, written notice shall be given to the City within 90 days after such damage or destruction occurs.

In the event the Owner desires to cancel this Agreement due to the circumstances outlined in this Paragraph 9, either party may request a hearing before the City Council to determine (a) the extent of diminution of value, (b) the extent of the damage or destruction to the floor area of said Structure, and/or (c) extent of damage or destruction to the Character Defining Features of the said Structure. The City Council may refer any matter relating to (c) to the Preservation Commission for its findings and recommendations.

10. Enforcement of Agreement. City may specifically enforce, or enjoin the breach of, the terms of this Agreement. In the event of a default under the provisions of this Agreement by Owner, City shall give written notice to Owner by registered or certified mail addressed to the address stated in this Agreement of violations of this Agreement. If such a violation is not corrected to the reasonable satisfaction of the City within thirty (30) days after the date of the notice of violation, or within such a reasonable time as may be required to cure the breach or default (provided that acts to cure the breach or default are commenced within thirty (30) days and thereafter diligently pursued to completion), then City may, without further notice, declare a default under the terms of this Agreement and bring any action necessary to specifically enforce the obligations of Owner growing out of the terms of this Agreement, including, but not limited to, bringing an action for injunctive relief against the Owner or for such other relief as may be appropriate.

City does not waive any claim of default by Owner if City does not enforce or cancel this Agreement. All other remedies at law or in equity which are not otherwise provided for in this Agreement or in City's regulations governing historic properties are available to the City to pursue in the event that there is a breach of this Agreement. No waiver by City or any breach or default under this Agreement shall be deemed to be a waiver of any other subsequent breach thereof or default hereunder.

11. Binding Effect of Agreement. The Owner hereby subjects the Historic Property described in Exhibit "A" hereto to the covenants, reservations and restrictions as set forth in this Agreement. City and Owner hereby declare their specific intent that the covenants, reservations and restrictions as set forth herein shall be deemed covenants running with the land and shall pass to and be binding upon the Owner's successors and assigns in title or interest to the Historic Property. Each and every contract, deed or other instrument hereinafter executed, covering or conveying the Historic Property, or any portion thereof, shall conclusively be held to have been executed, delivered and accepted subject to the covenants, reservations and restrictions expressed in this Agreement regardless of whether such covenants, reservations and restrictions are set forth in such contract, deed or other instrument.

12. Covenants Run With the Land. City and Owner hereby declare their understanding and intent that the burden of the covenants, reservations and restrictions set forth herein touch and concern the land in that the value of the Owner's legal interest in the Historic Property may be affected thereby. City and Owner hereby further declare their understanding and intent that the benefit of such covenants, reservations and restrictions touch and concern the land by enhancing and maintaining the historic characteristics and significance of the Historic Property for the benefit of the public and Owner.

13. Notices. Any notice required to be given by the terms of this Agreement shall be provided at the address of the respective parties as specified below or at any other address as may be later specified by the parties hereto.

To City: City of Redondo Beach
415 Diamond Street

Redondo Beach, Ca. 90277
Attention: City Planner

To Owner: Chris Young & Jennifer Morra,
217 Avenue F
Redondo Beach, CA 90277

14. Effect of Agreement. None of the terms, provisions or conditions of this Agreement shall be deemed to create a partnership between the parties hereto and any of their heirs, successors or assigns, nor shall such terms, provisions or conditions cause the parties to be considered joint venturers or members of any joint enterprise.

15. Indemnity of City. Owner agrees to protect, defend, indemnify, and shall hold City and its elected officials, officers, agents and employees harmless from liability for claims, loss, proceedings, damages, causes of action, liability, costs or expense, including reasonable attorney's fees in connection with damage for personal injuries, including death, and claims for property damage which may arise from the direct or indirect use or operations of Owner or those of his contractor, subcontractor, agent, employee or other person acting on his behalf which relate to the use, operation and maintenance of the Historic Property. Owner hereby agrees to and shall defend the City and its elected officials, officers, agents and employees with respect to any and all actions for damages caused by, or alleged to have been caused by, reason of Owner's activities in connection with the Historic Property. This hold harmless provision applies to all damages and claims for damages suffered, or alleged to have been suffered, by reason of the operations referred to in this Agreement regardless of whether or not the City prepared, supplied or approved the plans, specifications or other documents for the Historic Property.

16. Binding Upon Successors. All of the agreements, rights, covenants, reservations and restrictions contained in this Agreement shall be binding upon and shall inure to the benefit of the parties herein, their heirs, successors, legal representatives, assigns and all persons acquiring any part or portion of the Historic Property, whether by operation of law or in any manner whatsoever.

17. Legal Costs. In the event legal proceedings are brought by any party or parties to enforce or restrain a violation of any of the covenants, reservations or restrictions contained herein, or to determine the rights and duties of any party hereunder, the prevailing party in such proceeding may recover all reasonable attorney's fees to be fixed by the court, in addition to court costs and other relief ordered by the court.

18. Severability. In the event that any of the provisions of this Agreement are held to be unenforceable or invalid by any court of competent jurisdiction, or by subsequent preemptive legislation, the validity and enforceability of the remaining provisions, or portions thereof, shall not be affected thereby.

19. Governing Law. This Agreement shall be construed and governed in accordance with the laws of the State of California.

20. Recordation. No later than twenty (20) days after the parties execute and enter into this Agreement, City shall cause this Agreement to be recorded in the office of the County Recorder of the County of Los Angeles.

21. Amendments. This Agreement may be amended, in whole or in part, only by a written and recorded instrument executed by the parties hereto.

CITY OF REDONDO BEACH

By_____
James A. Light Mayor

OWNER

By_____
Chris Young & Jennifer Morra

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

ATTEST:

_____
Eleanor Manzano, City Clerk

APPROVED AS TO FORM:

_____
Joy Ford, City Attorney

EXHIBIT "A"

LEGAL DESCRIPTION

TRACT # 2546 LOT 29 BLK 12.

EXHIBIT "B"

SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces and spatial relationships.

2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.

3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.

4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.

5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.

6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.

7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.

8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.

9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the historic integrity of the property and its environment.

10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

EXHIBIT “C”

HISTORIC DESIGNATION RESOLUTION

CITY OF REDONDO BEACH
PLANNING DEPARTMENT

# APPLICATION FOR REDONDO BEACH LANDMARK DESIGNATION

**(PLEASE READ CAREFULLY)**

**1. PURPOSE:**

Having your property designated as a local landmark represents a special distinction. It will allow your property to qualify for some special benefits; however, it also involves some additional regulations. This sheet provides a summary of the main things you should know about landmark designation. The remaining details regarding landmark designation can be found by referencing the City's Preservation Ordinance contained in Chapter 4 of Title 10 of the Municipal Code. If you would like further information, please call the Redondo Beach Planning Division at (310) 318-0637.

**2. INSTRUCTIONS FOR FILING:**

**a.** Eligibility Requirements

Generally, a landmark consists of a historical resource located on an individual parcel of land. In most cases, the historic resource will be a main building taken together with the other accessory buildings and structural and landscaping improvements that contribute to the historical character of the main building on the property. A landmark, however, can also be comprised of a specific improvement such as a tree or an ancillary building that has its own historical significance.

**b.** Designation Procedure

The **only** way in which a landmark can be nominated is upon the submission of an application by the owner(s) of the property and buildings that constitute the proposed landmark. If you submit an application for landmark designation, **you retain the ability to withdraw the application at any time before a final decision is made by the City.**

Decisions regarding proposed landmarks are made by the City Preservation Commission (a seven-member body appointed by the Mayor and City Council). Following a noticed public hearing, the Commission may either approve the application as submitted, approve it in a modified manner, or deny it. The Commission's decision may be appealed to the City Council, which would then make the final decision.

**c.** No Building Permits Issued Pending Hearing

No building permits (except those needed for safety) are allowed to be issued relating to a proposed landmark between the time that an application has been submitted and the time that a final decision is made. This regulation is intended to assure that, if a designation is made, new construction relative to the proposed landmark will conform to the special regulations set out for it.

**d.** Status of Designation

Once the designation of a landmark has been made, it may only be removed in the event of its substantial destruction. In this case, the removal of landmark designation may be initiated by the City or by the owner(s) of the landmark.

It is also important to note that, like a zoning designation, a landmark designation runs with the property. The designation continues to remain in effect even if the property is sold or transferred.

**e.** Demolitions, Alterations, and New Construction

After a landmark has been designated, special approval is thereafter required in order to construct, demolish, or make most exterior alterations to improvements that constitute the landmark. Specifically, application must be made to the Preservation Commission for a Certificate of Appropriateness. For alterations or new construction, the Commission reviews the project to determine that it is in keeping with the architectural style and character of the landmark. The Commission may approve, conditionally approve, or deny projects based on its determination. No special approval is required for ordinary maintenance or repairs.

The Commission may not deny an application to demolish a landmark, but may delay the demolition for up to 90 days (which can be extended up to an additional 90 days by the City Council) for purposes such as to compile photographic records or arrange for moving the building to another site.

**f.** Incentives

There are several types of regulatory and/or financial incentives available for buildings in historic districts and individually designated landmarks:

The City, through use of a state law called the Mills Act, may enter into agreements with the owners of designated historical buildings to qualify owners for a reduced property tax rate in exchange for assuring the continued preservation of the buildings.

Designated historical buildings may also be permitted to utilize the State Historic Building Code, which applied somewhat less stringent building code standards to renovating or remodeling historic buildings, often resulting in lower construction costs.

Properties that are part of a designated historic district or that are a designated landmark are also eligible to apply for special zoning provisions which may provide relief from various land use requirements or development standards if such relief is deemed appropriate to help preserve a historic building.

**3. REPRESENTATION:**

THE APPLICANT OR HIS REPRESENTATIVE MUST BE PRESENT AT THE PUBLIC HEARING TO ANSWER ANY QUESTIONS THE PRESERVATION COMMISSION MAY WISH TO ASK PERTAINING TO THIS REQUEST. FAILURE TO APPEAR AT THE PUBLIC HEARING, UNLESS THE PRESERVATION COMMISSION RECEIVES WRITTEN NOTIFICATION FROM THE APPLICANT PRIOR TO SAID HEARING, MAY CONSTITUTE GROUNDS FOR DENIAL OF THE REQUEST.

**4. PROCEDURE:**

**a.** Applications for Landmark Designation shall be filed with the Planning Department approximately 30 days prior to the date of the public hearing (verify the exact filing deadline with the Planning Department). Additional time will be required between the filing date and the date of public hearing where review under the California Environmental Quality Act (CEQA) is required.

**b.** Owner notification stating the time, place and nature of the application is sent to the property owner 10 days prior to the public hearing. Newspaper advertisements of the pending landmark application are also published.

**c.** The Preservation Commission's decision on this application shall be final and conclusive unless, within 10 days of the date of said decision, a written appeal requesting a public hearing before the City Council is filed with the City Clerk and all required fees for said appeal are paid in full.

Planning Department
415 Diamond Street
Redondo Beach, CA. 90277-0270
Telephone: (310) 318-0637

**CITY OF REDONDO BEACH**

**PLANNING DEPARTMENT**

| RECEIVED BY: |
|---|
| DATE RECEIVED: |

# APPLICATION FOR LANDMARK DESIGNATION

***Application is hereby made to the Preservation Commission of the City of Redondo Beach for designation of the herein described historic resource as a landmark pursuant to Chapter 4, Title 10 of the Redondo Beach Municipal Code.***

## PART I - GENERAL INFORMATION

### A APPLICANT INFORMATION

**STREET ADDRESS OF PROPERTY:**
217 Avenue F Redondo Beach, CA 90277

**EXACT LEGAL DESCRIPTION OF THE PROPERTY:**

LOT: 29 BLOCK: 12 TRACT: 2546

ASSESSOR'S PARCEL NUMBER: 7511 004 029

**ZONING:**
Residential

| **RECORDED OWNER'S NAME:** | **AUTHORIZED AGENT'S NAME:** |
|---|---|
| Christopher Young and Jennifer Morra | |
| **MAILING ADDRESS:** 217 Avenue F Redondo Beach, CA 90277 | **MAILING ADDRESS:** |
| **TELEPHONE:** 310-923-5579 626-808-5627 | **TELEPHONE:** |
| **FAX #:** | **FAX #:** |

### B DESCRIPTION OF PROPOSED LANDMARK: Give full and complete answers:

**1.** Indicate the type and use of building (residential, commercial, etc.):
Residential

**2.** Indicate type of construction (wood frame, masonry, etc.)
stucco/plaster exterior, Spanish tile roof

**3.** Indicate architectural style:

Spanish colonial

**4.** Indicate the year main structure was built (indicate factual or estimated):

1937

**5.** Indicated if is listed in the Redondo Beach Historic Resources Survey : Yes ☒ No ☐

If yes, indicate rating: Local rating: B
NRHP rating: 3

**6.** Other information (provide any useful additional detail regarding the proposed landmark's architectural style, history, etc):

The property was owned by Sidney Welch in the 1950s. Welch was the President of American Savings and Loan and he pushed for the creation of the Harbor Commission in order to create "inner-harbor plan".

The property was then owned by Patricia Driezler starting in or around 1956. Driezler began volunteering for the city of Redondo Beach which eventually led to her position as Director of Community Resources making her the city's first female department head.

She ended her 30+ year career with the city, retiring in 1989. Her volunteerism and generosity continued throughout her life with hundreds of committees and organizations that she chaired, facilitated, supported, coordinated and/or created. To name them all would fill pages of this publication as would the extensive list of individuals who call her their mentor.

Preserving Redondo Beach history was paramount to her and The Redondo Beach Historical Museum was dedicated to Patricia in 1996.

Driezler's legacy also includes the Redondo Beach Unified School District's Board of Education renaming Redondo Shores Continuation School to Patricia Dreizler High School in November 2018.Twenty five years ago Driezler started the Dreizler Family Scholarship at Redondo Union High School.

# OWNER'S AFFIDAVIT

**Project address:** 217 Avenue F Redondo Beach, CA 90277

**Project description:** Restore/improve historical home

I (We) Christopher Young and Jennifer Morra, being duly sworn, depose and say I am (we are) the owner(s) of all or part of the property involved and that this application has been prepared in compliance with the requirements printed herein. I (we) further certify, under penalty of perjury that the foregoing statements and information presented herein are in all respects true and correct to the best of my (our) knowledge and belief.

Signature(s): _____

Address: 217 Avenue F Redondo Beach, CA 90277

Phone No. (Res.) 310-923-5579
626-808-5627

(Bus.) _____

**Subscribed and sworn to (or affirmed) before me this ____ day of _____, 20_____**

**by _____, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.**

_____
FILING CLERK OR NOTARY PUBLIC

State of California )
County of Los Angeles ) ss Seal

PROTECTED
SimpliSafe
HOME SECURITY

Athens Services
65Y 000453
65Y 000463
F5119991

**RESOLUTION NO. 2024-12-PA-04**

**A RESOLUTION OF THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH ADOPTING AN EXEMPTION DECLARATION, APPROVING A HISTORIC LANDMARK DESIGNATION, AND A CERTIFICATE OF APPROPRIATENESS FOR ARESTORATION, REHABILITATION, AND CONSTRUCTION OF ADDITIONS TO A POTENTIAL HISTORIC RESOURCE PURSUANT TO TITLE 10, CHAPTER 4 OF THE REDONDO BEACH MUNICIAL CODE ON PROPERTY LOCATED AT 217 AVENUE F**

WHEREAS, an application was filed on August 1, 2024, by Jennifer Morra and Chris Young (property owners) to request Landmark Designation and a Certificate of Appropriateness for additions and a remodel to an existing potential historic resource pursuant to Chapter 4, Title 10 of the Municipal Code for the property located at 217 Avenue F; and

WHEREAS, notice of the time and place of the public hearing was given according to the requirements of law; and

WHEREAS, on December 11 the Public Amenities Commission of the City of Redondo Beach considered the applications for Landmark Designation and a Certificate of Appropriateness, at which time all interested parties were given an opportunity to be heard and to present evidence.

NOW, THEREFORE, THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH DOES HEREBY FIND AS FOLLOWS:

SECTION 1. The building meets the minimum eligibility requirement for landmark designation by being at least 50 years old in that evidence indicates that the building was constructed in 1937 and is currently approximately 87 years old.

SECTION 2. The building embodies distinctive characteristics of a style, type, period, or method of construction, and is a valuable example of the use of indigenous materials or craftsmanship in that the building is a representative example of the Craftsman style of architecture that was popular in California in the 1930's.

SECTION 3. This property reflects special elements of the City's cultural, social, and economic history. The residential structure was constructed on the property in 1937 during a time when Redondo Beach was a thriving resort with a growing residential community for working men and their families. property is associated with Patricia Dreizler, who owned the property from 1956 until her death in 2022. She was a

prominent member of the Redondo Beach community and known as the "Matriarch of Redondo Beach" and profiled for her early work with the Redondo Beach Dianas. Driezler began volunteering for the city of Redondo Beach which eventually led to her position as Director of Community Resources making her the city's first female department head. She ended her 30+ year career with the city, retiring in 1989. Her volunteerism and generosity continued throughout her life with hundreds of committees and organizations that she chaired, facilitated, supported, coordinated or created. She advocated for the preservation of Redondo Beach history and the Redondo Beach Historical Museum was dedicated to her in 1996. Driezler's legacy also includes the Redondo Beach Unified School District's Board of Education renaming Redondo Shores Continuation School to Patricia Dreizler High School in November 2018. This property is representative of the early period of growth and development in Redondo Beach.

SECTION 4. Pursuant to Article 2, Chapter 3, Title 10, of the Redondo Beach Municipal Code, the proposed project has been determined to be categorically exempt from the requirements of the California Environmental Quality Act (CEQA), and an exemption declaration to this effect has been prepared and filed.

SECTION 5. As conditioned below, the proposed project conforms to the prescriptive standards adopted by the Public Amenities Commission and will not detrimentally alter, destroy or adversely affect any exterior improvement or exterior architectural feature.

NOW, THEREFORE, THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. Based upon the findings contained herein, the Public Amenities Commission hereby approves the designation of the building and property at 217 Avenue F as a historic landmark.

SECTION 2. Based upon the findings contained herein, a Certificate of Appropriateness is hereby approved for a remodel and additions at the existing residence in accordance with the submitted applications and plans to the extent specified and represented therein, except as such work may be amended or modified by conditions set forth below.

SECTION 3. This Certificate is approved on the basis of, and shall only be operative with, the applicant's compliance with the conditions listed below. Failure by the applicant or his/her successors in interest to comply with these conditions shall provide a basis for initiating enforcement proceedings pursuant to Article 7, Chapter 4, Title 10 of the Redondo Beach Municipal Code.

1. The approval granted herein is for one and two-story additions on the rear of the existing potential historic resource, as reflected on the application and plans

reviewed and approved by the Public Amenities Commission at its meeting on December 11, 2024.

2. No other work is authorized herein. The precise design and architectural treatment of all structures, walks, walls, fences, landscaping and driveways shall not be altered without prior approval of the Public Amenities Commission or Planning Staff, as appropriate, and issuance of a Certificate of Appropriateness and other necessary permits. If additional work outside of the scope of work identified on the plans is necessary, the applicant shall immediately contact Planning Staff prior to starting any work.

3. The Planning Division shall be authorized to approve minor changes, and shall inform the Commission of any such changes.

4. The applicant shall comply with all applicable requirements and obtain all necessary permits from the Building Division, Engineering Division, Fire Department, and any other agency with jurisdiction over the project.

5. In the event of a disagreement in the interpretation and/or application of these conditions, the issue shall be referred back to the Public Amenities Commission for a decision. The decision of the Commission shall be final.

6. The Public Amenities Commission shall retain jurisdiction over the matter for the purpose of enforcing these conditions and for the purpose of modification thereof as circumstances may subsequently indicate.

7. Work performed shall be verified against plans submitted. If modifications to plans are necessary, amended plans shall be submitted prior to a change occurring, and subject to the approval of the Building and Planning Divisions as minor alterations, and the Public Amenities Commission, if deemed necessary for major changes.

8. Periodic inspections shall be scheduled with Planning Division staff to verify compliance with approved plans.

9. Prior to final inspection from the Building Division, the applicant shall schedule an inspection with Planning Division staff to review the completed work for conformance to the Certificate of Appropriateness. Any non-compliance or unauthorized deviations will be grounds for revocation of the Certificate of Appropriateness and/or subsequent cancellation of the Mills Act Contract.

10. Consistent with the Secretary of the Interior's Standards, the proposed improvements shall be differentiated from the historic structure, but compatible in size, scale, design, material, color, and texture.

11. Any project related maintenance, repair, stabilization, rehabilitation, preservation, conservation, or reconstruction of the historic building, including identified historic landscaping, shall be conducted in a manner consistent with the *Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines for Preserving, Rehabilitation, Restoring, and Reconstructing Historic Buildings* and the *Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings*. Detailed design plans shall be submitted to the City's Planning Division, Planning Commission, and Preservation Commission for their review and approval prior to actual physical rehabilitation work.

FINALLY BE IT RESOLVED, that the Public Amenities Commission forward a copy of this resolution to the Planning Commission, City Council, all appropriate City departments, and any other interested governmental and civic agencies.

PASSED, APPROVED AND ADOPTED this 11th day of December, 2024.

Public Amenities Commission Chair
City of Redondo Beach

The foregoing resolution was adopted on December 11, 2024 by the following vote:

AYES: Galassi, Lang, Maroko, McCauley, Rowe, Yousufzai

NOES: None

ABSENT: Caldwell

APPROVED AS TO FORM:

City Attorney's Office

Recording requested by and when recorded mail to:

City Clerk
City of Redondo Beach
P.O. Box 270
Redondo Beach, CA 90277

**HISTORIC PROPERTY PRESERVATION AGREEMENT BETWEEN THE CITY OF REDONDO BEACH AND MINA LLC**

THIS HISTORIC PROPERTY PRESERVATION AGREEMENT (this "Agreement") is made by and between the CITY OF REDONDO BEACH, a municipal corporation ("City"), MINA LLC ("Owner") with reference to the following:

**R E C I T A L S**

A. California Government Code Section 50280, et seq. authorizes cities to enter into contracts with the owners of qualified historical property to provide for the use, maintenance and restoration of such historical property so to retain its characteristics as property of historical significance;

B. Owner holds fee title in and to that certain real property, together with associated structures and improvements thereon, commonly known as 102,102 1/2,104,106 N Broadway and 401,403,405,405 ½ & 405 ¾ Emerald St , Redondo Beach, California, (the "Historic Property"). A legal description of the Historic Property is attached hereto, marked as Exhibit "A" and is incorporated herein by this reference;

C. On April 9, 2025, the Preservation Commission of the City of Redondo Beach adopted Resolution No. 2025-04-PA-02 (Exhibit “C”) thereby declaring and designating the Historic Property as a landmark pursuant to the terms and provisions of Chapter 4, Title 10 of the Redondo Beach Municipal Code, and subject to the execution and recordation of this Agreement;

D. City desires to enter into this Agreement for the purpose of protecting and preserving the characteristics of historical significance of the Historic Property;

E. Owner, in consideration for abiding by the terms of this Agreement, shall be entitled to qualify for a reassessment of valuation of the Historic Property, pursuant to the

provisions of Chapter 3, Part 2, of Division 1 of the California Revenue and Taxation Code, and any corresponding adjustment in property taxes resulting therefrom.

NOW, THEREFORE, in consideration of the mutual covenants and conditions set forth herein, the parties do hereby agree as follows:

1. Effective Date and Term of Agreement. This Agreement shall be effective and commence on November 5, 2025 ("Effective Date"), and shall remain in effect for a term of ten (10) years thereafter. Each year upon the anniversary of the effective date, such initial term will automatically be extended as provided in paragraph 2, below.

2. Renewal. On each yearly anniversary of the Effective Date of this Agreement (hereinafter referred to as the "renewal date"), an additional one-year term shall automatically be added to the initial term of this Agreement unless a notice of nonrenewal ("Notice of Nonrenewal") is mailed as provided herein. If either Owner or City desires in any year not to renew this Agreement, Owner or City shall serve a written Notice of Nonrenewal upon the other party in advance of the annual renewal date of this Agreement. Such Notice of Nonrenewal shall be effective if served by Owner upon City at least ninety (90) days prior to the annual renewal date, or if served by City upon Owner, such Notice of Nonrenewal shall be effective if served upon Owner at least sixty (60) days prior to the annual renewal date.

3. Owner Protest of City Nonrenewal. Within fifteen (15) days of receipt by Owner of a Notice of Nonrenewal from City, Owner may make and file a written protest of the Notice of Nonrenewal. Upon receipt of such protest, the City Council shall set a hearing prior to the expiration of the renewal date of this Agreement. Owner may furnish the City Council with any information which the Owner deems relevant, and shall furnish the City Council with any information it may require. The City Council may, at any time prior to the annual renewal date of this Agreement, withdraw its Notice of Nonrenewal. If either City or Owner serves a Notice of Nonrenewal in any year, this Agreement shall remain in effect for the balance of the term then remaining, either from its original execution or from the last renewal of this Agreement, whichever may apply.

4. Assessment of Valuation. Tax relief afforded to the Owner pursuant to Chapter 3, Part 2, of Division 1 of the California Revenue and Taxation Code will require negotiation with the Los Angeles County Assessor's Office.

5. Standards for Historical Property. Owner shall preserve and maintain the Historic Property and its Character Defining Features according to the rules and regulations of the Office of Historic Preservation of the California Department of Parks and Recreation, the U.S. Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings, and the City of Redondo Beach Preservation Commission Design Guidelines. Character Defining Features include, but are not necessarily limited to, the general architectural form, style, materials, design, scale, details, mass, roof line, porch, and other aspects of the appearance of the exterior. The Secretary of Interior's Standards for Rehabilitation (attached hereto and marked as

Exhibit "B") shall be incorporated herein by reference and constitute the minimum standards and conditions for maintenance, use, and preservation of the Historic Property. Such Standards shall apply to the property throughout the term of this Agreement.

6. Periodic Examinations. Owner shall allow reasonable periodic examinations, by prior appointment, of the exterior of the Historic Property by representatives of the County Assessor, State Department of Parks and Recreation, State Board of Equalization, and/or the City, as may be necessary to determine owner's compliance with the terms and provisions of this Agreement.

7. Provision of Information of Compliance. Owner hereby agrees to furnish City with any and all information requested by the City which may be necessary or advisable to determine compliance with the terms and provisions of this Agreement.

8. Cancellation. City, following a duly noticed public hearing, as set forth in California Government Code Sections 50285, et seq., may cancel this Agreement if it determines that Owner breached any of the conditions of this Agreement or has allowed the property to deteriorate to the point that it no longer meets the standards for a qualified historic property. City may also cancel this Agreement if it determines that the Owner has failed to maintain and preserve the Historic Property in accordance with the terms of this Agreement. If this Agreement is cancelled because of failure of the Owner to preserve, maintain, and rehabilitate the Historic Property as specified above, the Owner shall pay a cancellation fee to the state Controller as set forth by the provisions of Government Code Section 50286.

9. Destruction. Notwithstanding any provision of this Agreement to the contrary, the Owner may cancel this Agreement without payment of the cancellation fee set forth in Paragraph 8, if the existing single-family residence [the "Structure"] on the Historic Property is damaged by fire, earthquake, or other Act of God or accidental cause to the extent (1) the then fair market value of said Structure is reduced by 51 percent or more; or (2) 51 percent or more of said Structure's floor area is destroyed or irreparably damaged; or (3) 51 percent or more of the Structure's Character Defining Features are destroyed or irreparably damaged; or (4) that the cost to the Owner (exclusive of insurance proceeds) to restore the Structure to its prior condition would exceed $10,000.00. If the Owner desires to cancel this Agreement under this Paragraph 9, written notice shall be given to the City within 90 days after such damage or destruction occurs.

In the event the Owner desires to cancel this Agreement due to the circumstances outlined in this Paragraph 9, either party may request a hearing before the City Council to determine (a) the extent of diminution of value, (b) the extent of the damage or destruction to the floor area of said Structure, and/or (c) extent of damage or destruction to the Character Defining Features of the said Structure. The City Council may refer any matter relating to (c) to the Preservation Commission for its findings and recommendations.

10. Enforcement of Agreement. City may specifically enforce, or enjoin the breach of, the terms of this Agreement. In the event of a default under the provisions of this Agreement by Owner, City shall give written notice to Owner by registered or certified mail addressed to the address stated in this Agreement of violations of this Agreement. If such a violation is not corrected to the reasonable satisfaction of the City within thirty (30) days after the date of the notice of violation, or within such a reasonable time as may be required to cure the breach or default (provided that acts to cure the breach or default are commenced within thirty (30) days and thereafter diligently pursued to completion), then City may, without further notice, declare a default under the terms of this Agreement and bring any action necessary to specifically enforce the obligations of Owner growing out of the terms of this Agreement, including, but not limited to, bringing an action for injunctive relief against the Owner or for such other relief as may be appropriate.

City does not waive any claim of default by Owner if City does not enforce or cancel this Agreement. All other remedies at law or in equity which are not otherwise provided for in this Agreement or in City's regulations governing historic properties are available to the City to pursue in the event that there is a breach of this Agreement. No waiver by City or any breach or default under this Agreement shall be deemed to be a waiver of any other subsequent breach thereof or default hereunder.

11. Binding Effect of Agreement. The Owner hereby subjects the Historic Property described in Exhibit "A" hereto to the covenants, reservations and restrictions as set forth in this Agreement. City and Owner hereby declare their specific intent that the covenants, reservations and restrictions as set forth herein shall be deemed covenants running with the land and shall pass to and be binding upon the Owner's successors and assigns in title or interest to the Historic Property. Each and every contract, deed or other instrument hereinafter executed, covering or conveying the Historic Property, or any portion thereof, shall conclusively be held to have been executed, delivered and accepted subject to the covenants, reservations and restrictions expressed in this Agreement regardless of whether such covenants, reservations and restrictions are set forth in such contract, deed or other instrument.

12. Covenants Run With the Land. City and Owner hereby declare their understanding and intent that the burden of the covenants, reservations and restrictions set forth herein touch and concern the land in that the value of the Owner's legal interest in the Historic Property may be affected thereby. City and Owner hereby further declare their understanding and intent that the benefit of such covenants, reservations and restrictions touch and concern the land by enhancing and maintaining the historic characteristics and significance of the Historic Property for the benefit of the public and Owner.

13. Notices. Any notice required to be given by the terms of this Agreement shall be provided at the address of the respective parties as specified below or at any other address as may be later specified by the parties hereto.

To City: City of Redondo Beach
415 Diamond Street

Redondo Beach, Ca. 90277
Attention: City Planner

To Owner: MINA LLC
102,102 1/2,104,106 N Broadway and
401,403,405,405 ½ & 405 ¾ Emerald St,
Redondo Beach, CA 90277

14. Effect of Agreement. None of the terms, provisions or conditions of this Agreement shall be deemed to create a partnership between the parties hereto and any of their heirs, successors or assigns, nor shall such terms, provisions or conditions cause the parties to be considered joint venturers or members of any joint enterprise.

15. Indemnity of City. Owner agrees to protect, defend, indemnify, and shall hold City and its elected officials, officers, agents and employees harmless from liability for claims, loss, proceedings, damages, causes of action, liability, costs or expense, including reasonable attorney's fees in connection with damage for personal injuries, including death, and claims for property damage which may arise from the direct or indirect use or operations of Owner or those of his contractor, subcontractor, agent, employee or other person acting on his behalf which relate to the use, operation and maintenance of the Historic Property. Owner hereby agrees to and shall defend the City and its elected officials, officers, agents and employees with respect to any and all actions for damages caused by, or alleged to have been caused by, reason of Owner's activities in connection with the Historic Property. This hold harmless provision applies to all damages and claims for damages suffered, or alleged to have been suffered, by reason of the operations referred to in this Agreement regardless of whether or not the City prepared, supplied or approved the plans, specifications or other documents for the Historic Property.

16. Binding Upon Successors. All of the agreements, rights, covenants, reservations and restrictions contained in this Agreement shall be binding upon and shall inure to the benefit of the parties herein, their heirs, successors, legal representatives, assigns and all persons acquiring any part or portion of the Historic Property, whether by operation of law or in any manner whatsoever.

17. Legal Costs. In the event legal proceedings are brought by any party or parties to enforce or restrain a violation of any of the covenants, reservations or restrictions contained herein, or to determine the rights and duties of any party hereunder, the prevailing party in such proceeding may recover all reasonable attorney's fees to be fixed by the court, in addition to court costs and other relief ordered by the court.

18. Severability. In the event that any of the provisions of this Agreement are held to be unenforceable or invalid by any court of competent jurisdiction, or by subsequent preemptive legislation, the validity and enforceability of the remaining provisions, or portions thereof, shall not be affected thereby.

19. Governing Law. This Agreement shall be construed and governed in accordance with the laws of the State of California.

20. Recordation. No later than twenty (20) days after the parties execute and enter into this Agreement, City shall cause this Agreement to be recorded in the office of the County Recorder of the County of Los Angeles.

21. Amendments. This Agreement may be amended, in whole or in part, only by a written and recorded instrument executed by the parties hereto.

CITY OF REDONDO BEACH

By_____
James A. Light Mayor

OWNER

By_____
MINA LLC /
EHAB MORCOS

STATE OF CALIFORNIA
COUNTY OF LOS ANGELES

ATTEST:

_____
Eleanor Manzano, City Clerk

APPROVED AS TO FORM:

_____
Joy Ford, City Attorney

EXHIBIT "A"

LEGAL DESCRIPTION

REDONDO BEACH LOT COM AT INTERSECTION OF NE LINE OF NORTH BROADWAY WITH N LINE OF EMERALD ST TH E ON SD N LINE 102.6 FT TH NW TO A PT IN N LINE OF LOT 31 BLK 170 DIST 45 FT FROM NE COR OF SD LOT TH W ON N LINE OF SD LOT 99.4 FT TO NE LINE OF NORTH BROADWAY TH SE THEREON 100 FT TO BEG PART OF LOTS 31,32,33 AND LOT 34 BLK 170.

EXHIBIT "B"

SECRETARY OF THE INTERIOR'S STANDARDS FOR REHABILITATION

1. A property will be used as it was historically or be given a new use that requires minimal change to its distinctive materials, features, spaces and spatial relationships.

2. The historic character of a property will be retained and preserved. The removal of distinctive materials or alteration of features, spaces, and spatial relationships that characterize a property will be avoided.

3. Each property will be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or elements from other historic properties, will not be undertaken.

4. Changes to a property that have acquired historic significance in their own right will be retained and preserved.

5. Distinctive materials, features, finishes, and construction techniques or examples of craftsmanship that characterize a property will be preserved.

6. Deteriorated historic features will be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature will match the old in design, color, texture, and, where possible, materials. Replacement of missing features will be substantiated by documentary and physical evidence.

7. Chemical or physical treatments, if appropriate, will be undertaken using the gentlest means possible. Treatments that cause damage to historic materials will not be used.

8. Archeological resources will be protected and preserved in place. If such resources must be disturbed, mitigation measures will be undertaken.

9. New additions, exterior alterations, or related new construction will not destroy historic materials, features, and spatial relationships that characterize the property. The new work shall be differentiated from the old and will be compatible with the historic materials, features, size, scale and proportion, and massing to protect the historic integrity of the property and its environment.

10. New additions and adjacent or related new construction will be undertaken in such a manner that, if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

EXHIBIT “C”

HISTORIC DESIGNATION RESOLUTION

**CITY OF REDONDO BEACH**

**PLANNING DEPARTMENT**

| RECEIVED BY: |
|---|
| DATE RECEIVED: |

# APPLICATION FOR LANDMARK DESIGNATION

***Application is hereby made to the Preservation Commission of the City of Redondo Beach for designation of the herein described historic resource as a landmark pursuant to Chapter 4, Title 10 of the Redondo Beach Municipal Code.***

## PART I - GENERAL INFORMATION

**A APPLICANT INFORMATION**

**STREET ADDRESS OF PROPERTY:** 102 N Broadway Ave, Redondo Beach CA 90277

**EXACT LEGAL DESCRIPTION OF THE PROPERTY:**

LOT: 31-34 BLOCK: 170 TRACT:

ASSESSOR'S PARCEL NUMBER: 7505-007-023

**ZONING:** R3

| | |
|---|---|
| **RECORDED OWNER'S NAME:** MINA LLC | **AUTHORIZED AGENT'S NAME:** |
| **MAILING ADDRESS:** 5409 Fieldstream Dr Export, PA, 15632 | **MAILING ADDRESS:** ∅ |
| **TELEPHONE:** (412) 728-1616 | **TELEPHONE:** |
| **FAX #:** | **FAX #:** |

**B DESCRIPTION OF PROPOSED LANDMARK:** Give full and complete answers:

**1.** Indicate the type and use of building (residential, commercial, etc.):

Multifamily Residential.

**2.** Indicate type of construction (wood frame, masonry, etc.)

Stucco.

**3.** Indicate architectural style:

seven separate structures on a lot including 9 units

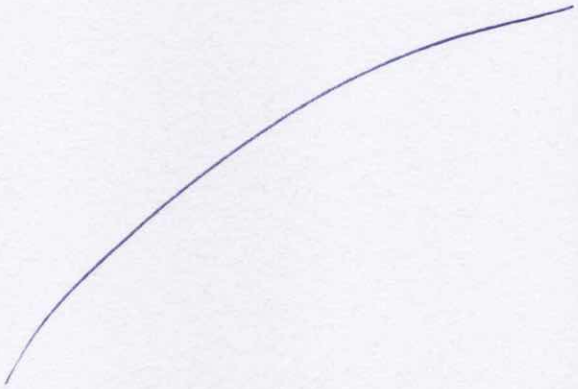
**4.** Indicate the year main structure was built (indicate factual or estimated):

1925.

**5.** Indicated if is listed in the Redondo Beach Historic Resources Survey : Yes ☑ No ☐

If yes, indicate rating: A rating.

**6.** Other information (provide any useful additional detail regarding the proposed landmark's architectural style, history, etc):



## OWNER'S AFFIDAVIT

**Project address:** 102 N Broadway, Redondo Beach, CA. 90277

**Project description:** Declaring the property Historic Landmark Designation

I (We) EHAB Morcos, being duly sworn, depose and say I am (we are) the owner(s) of all or part of the property involved and that this application has been prepared in compliance with the requirements printed herein. I (we) further certify, under penalty of perjury that the foregoing statements and information presented herein are in all respects true and correct to the best of my (our) knowledge and belief.

Signature(s): Ehab Morcos

Address: 1919 Grant Ave
Redondo Beach, CA
90278

Phone No. (Res.) (412) 728-1616

(Bus.) _____

**Subscribed and sworn to (or affirmed) before me this** 29 **day of** October, **20** 24

**by** Ehab Morcos, **proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.**

**Commonwealth of Pennsylvania**
**County of** Somerset } **ss:** Mandy K Mostoller
FILING CLERK OR NOTARY PUBLIC

~~State of California~~ )
~~County of Los Angeles~~ ) SS

Seal

Commonwealth of Pennsylvania - Notary Seal
MANDY K MOSTOLLER - Notary Public
Somerset County
My Commission Expires November 13, 2028
Commission Number 1375780

473

BROADWAY

475

BROADWAY
EMERALD ST
400

477

STOP
STOP

19TH ST
Caring for Your Coast

480

481

482

484

485

486

487

# RESOLUTION NO. 2025-04-PA-02

**A RESOLUTION OF THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH, CALIFORNIA, APPROVING A HISTORIC LANDMARK DESIGNATION FOR THE PROPERTY LOCATED AT 102, 104, 106 NORTH BROADWAY, AND 401, 403, 405 EMERALD STREET (APN 7505-007-023) PURSUANT TO THE REQUIREMENTS OF CHAPTER 4, TITLE 10 OF THE REDONDO BEACH MUNICIPAL CODE**

WHEREAS, an application has been filed to designate a historic landmark pursuant to Chapter 4, Title 10 of the Municipal Code for property located at 102, 104, 106 North Broadway, and 401, 403, 405 Emerald Street (APN 7505-007-023); and

WHEREAS, notice of the time and place of the public hearing was given according to the requirements of law; and

WHEREAS, on April 9, 2025, the Public Amenities Commission of the City of Redondo Beach held a public hearing to consider this application, at which time all interested parties were given an opportunity to be heard and to present evidence.

NOW, THEREFORE, THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH DOES HEREBY FIND AS FOLLOWS:

SECTION 1. The property meets the minimum eligibility requirement for landmark designation by being at least 50 years old in that factual evidence from the Los Angeles County Assessor records indicates that the original house was constructed in 1925 and is currently 100 years old.

SECTION 2. The property embodies distinctive characteristics of a style, type, period, or method of construction, and is a valuable example of the use of indigenous materials or craftsmanship in that the building is a representative example of the bungalow court architectural typology and the Spanish Colonial Revival style of architecture, a prominent architectural style in the City during the 1920's.

SECTION 3. The property is identified with persons or events significant in local, state or national history. The property is identified with Charles H. Wortham, who was a political figure in Redondo Beach from 1932 through the 1950's, serving as a Councilmember from 1941 to 1947 and as Mayor of Redondo Beach from 1947 to 1952, and was instrumental in the building the City's water and sewage systems. Mr. Wortham maintained an office in the unit at 405 Emerald Street during the 1940s, two blocks from the original city hall, during the time he served as mayor. He also resided in the unit at 106 N. Broadway around the same time.

The property is also identified with Floyd Ingram, who served as the City's first paid fire captain, and was with the Redondo Beach Fire Department from 1924 to 1934. He resided in the unit at 102 N. Broadway around the same time.

SECTION 4. The property reflects special elements of the City's cultural, social, and economic history. When the bungalow court was built in 1925 the city was a thriving resort city and was building higher quality permanent housing for families and employees of nearby industries. This property provided a mid-range type of housing that was more desirable than small apartments or long-term hotel units in the area for mostly individuals or couples that provided an environment closer to a house than an apartment. It provided a small community to its residents and had residents of all ages throughout its history. While the property was the home of Floyd Ingram, the City's first paid fire captain (around 1930), and Charles H. Wortham, a former mayor of the city (and a resident around 1940), it has predominately been the home to mostly working and middle-class individuals and couples. This property is representative of the early period of growth and development in Redondo Beach.

SECTION 5. In accordance with Chapter 3, Title 10, Section 10-3.301(a) of the Redondo Beach Municipal Code, the above-referenced project is Categorically Exempt from the preparation of environmental review documents pursuant to Section 15331 of the Guidelines for Implementation of the California Environmental Quality Act (CEQA), which states, in part, that projects involving the maintenance, rehabilitation, restoration, preservation, or reconstruction of historical resources are Categorically Exempt, provided that the activity is consistent with the Secretary of Interior's Standards for the Historic Treatment of Historic Properties.

NOW, THEREFORE, THE PUBLIC AMENITIES COMMISSION OF THE CITY OF REDONDO BEACH DOES HEREBY RESOLVE AS FOLLOWS:

SECTION 1. Based on the findings contained herein, the Public Amenities Commission hereby approves the designation of the property at 102, 104, 106 North Broadway, and 401, 403, 405 Emerald Street (APN 7505-007-023) as a local historic landmark.

SECTION 2. As a local historic landmark, the property is subject to the Secretary of Interior's Standards for Rehabilitation and is now considered a cultural resource per the California Environmental Quality Act.

SECTION 3. This historic landmark designation makes the property eligible for a Mills Act Contract which will be subsequently prepared and forwarded to the City Council for review and approval.

FINALLY RESOLVED, that the Public Amenities Commission forward a copy of this resolution to the City Council and all appropriate City departments and any other interested governmental and civic agencies.

PASSED, APPROVED AND ADOPTED this 9TH day of April, 2025

Public Amenities Commission Chair
City of Redondo Beach

The foregoing resolution was duly passed, approved and adopted by the Public Amenities Commission of the City of Redondo Beach at a regular meeting held on April 9, 2025 by the following vote:

AYES: Galassi, Lang, Maroko, Rowe, Yousufzai

NOES: None

ABSENT: Caldwell, McCauley

APPROVED AS TO FORM:

City Attorney's Office

# Administrative Report

H.14., **File #** 25-1484 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: JOY A. FORD, CITY ATTORNEY

## TITLE
RECEIVE AND FILE THE CITY ATTORNEY AUTHORIZATION REPORT FOR SETTLEMENTS IN AN AMOUNT UP TO $25,000

## EXECUTIVE SUMMARY
Pursuant to Redondo Beach Municipal Code Section 2-11.05, the City Attorney or a representative shall be authorized, pursuant to Section 935.4 of the Government Code of the State, with the power and authority to adjust, compromise, or settle any type of claim against the City in an amount up to, but not to exceed, $25,000.

## BACKGROUND
The City Attorney's office authorized the following settlements:

Liability claim case for Kelloir Smith in the amount of $5,658.

## COORDINATION
The City Attorney's Office coordinated with the Department of Human Resources in connection with the preparation of this report.

## FISCAL IMPACT
Settlements are paid out of the City's self-insurance fund.

Submitted by:

*Joy A. Ford, City Attorney*

# Administrative Report

H.15., **File #** 25-1371 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: JOY A. FORD, CITY ATTORNEY
STEPHANIE JOHNSON, QUALITY OF LIFE PROSECUTOR

**TITLE**

APPROVE A LETTER OF AGREEMENT FOR FUNDING AND OPERATION OF THE REDONDO BEACH EMERGENCY HOMELESS SHELTER (PALLET SHELTER) FOR AN AMOUNT NOT TO EXCEED $145,927.74 TO BE FUNDED BY STATE PERMANENT LOCAL HOUSING ALLOCATION FUNDS FOR THE TERM OCTOBER 1, 2025 TO MARCH 31, 2026

**EXECUTIVE SUMMARY**

The Redondo Beach Pallet Shelter has been in operation since 2020. The attached Letter of Agreement is being presented to the Mayor and Council for approval to continue the Pallet Shelter for another six months. Redondo's Permanent Local Housing Allocation (PLHA) and possibly other grant sources will continue to supplement the City's monthly contribution to the County for the operational costs of the pallet shelters.

Supervisor Holly Mitchell and Health Net granted the City funding for capital costs to expand the pallet shelter. A new amendment for the operations of the expansion will be presented to Council for approval prior to the completion of the expansion.

**BACKGROUND**

On December 31, 2020, the City Council approved an LOA with Los Angeles County for the shared operational and human services costs of the Redondo Beach Pallet Shelter to provide emergency transitional housing for people experiencing homelessness in Redondo Beach. On June 8, 2021, the City Council approved a first amendment to the LOA to extend the term of the Pallet Shelter for thirteen (13) months. On June 7, 2022, City Council approved a second amendment to the LOA to extend the term to September 30, 2022 to give staff time to explore grant funding to continue the operations of the Pallet Shelter. On August 9, 2022, the City Council extended the agreement to September 30, 2023. On September 19, 2023, the City Council extended the agreement another twelve months. The Fifth Amendment was approved by City Council on October 1, 2024 and extended the term an additional twelve months and lowered the City's monthly contribution to $24,321.29. This new LOA extends the term of the agreement for an additional six months on the same terms and conditions.

Upon approval of this LOA and the work order extension by Los Angeles County to continue pallet shelter operations, the City will seek a fifth Request for Funds through PLHA amounting to

$82,187.85, as well as submit PLHA application(s) seeking additional funds for CY22 and CY23. The estimated allocation for calendar year 2022 is $112,160. The estimated allocation for calendar year 2023 is $85,966. The allocations for CY22 and CY23 will cover operations at the pallet shelter for at least the next six (6) months. Allocations for CY24 and CY 25 have not yet been released by the state.

During the Fiscal Year 2023-2024 Budget Adoption Process, the City Council approved the expansion of the Pallet Shelter estimated to cost $1,568,750 on the condition of identifying grant funding. Los Angeles County Supervisor Holly J. Mitchell granted the City $800,000 of District Two Homelessness funding and Health Net granted the City the remaining $768,750 for the expansion of the Redondo Beach Pallet Shelter.

The City Attorney's Office is currently discussing the new operational budget for the expansion of the pallet shelter with the Los Angeles County Department of Health Services and Los Angeles Chief Executive Office, Homelessness Initiative. A new amendment to the LOA will be presented to Council for approval prior to the completion of the pallet shelter expansion.

Staff recommends that the Mayor and Council approve the new LOA to continue the current pallet shelter operations while the City Attorney's Office works with the County on the operational budget for the proposed expansion and to secure additional funding sources.

## COORDINATION

The City Attorney's Office coordinated with the Los Angeles County Department of Health Services and Los Angeles Chief Executive Office, Homelessness Initiative.

## FISCAL IMPACT

Operational costs will be funded by the PLHA grant.

Submitted by:

*Joy A. Ford, City Attorney*

## ATTACHMENTS

- LOA with Los Angeles County

**LETTER OF AGREEMENT**
**FOR**
**FUNDING AND OPERATION OF REDONDO BEACH EMERGENCY HOMELESS SHELTER**

WHEREAS, this Letter of Agreement (hereinafter "Agreement") is entered into on the October 1, 2025 ("Effective Date") by and between the County of Los Angeles, a body politic and corporate, organized and existing under the laws of the State of California (hereinafter "County"), and the City of Redondo Beach, a chartered municipal corporation (hereinafter "City"). The County and City are each individually a "Party" and collectively the "Parties" to this Agreement;

WHEREAS, many cities and counties are using pallet units to address the homeless crisis which can quickly be set up to provide shelter to persons experiencing homelessness ("PEH") in an expeditious manner;

WHEREAS, the City has developed an emergency shelter project located at 1521 Kingsdale Ave, Redondo Beach ("City Shelter") with twenty pallets units to house PEH;

WHEREAS, the Parties desire to cooperate to fund the operation of the City Shelter, including provision of Intensive Case Management Services ("ICMS") and related supportive services to PEH placed at the City Shelter, including mental health, drug and substance abuse programming, and other services to find permanent housing;

WHEREAS, the County through its Department of Health Services ("DHS"), may procure services under its Supportive and/or Housing Services Master Agreement ("SHSMA") or County contractor(s) to deliver ICMS at the City Shelter; and

WHEREAS, the City and DHS desire to set forth the terms and conditions of the City and County's respective funding and operational responsibilities for the City shelter.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Term of Agreement: The term of this Agreement begins on the Effective Date and continues for a period of six (6) months ("Term"), with the option of extending the term as may be agreed to by the Parties ("Extension Term(s)") subject to the mutual consent of the Parties in writing.

2. Amount Not to Exceed and Payment of Funds: City will provide the sum of **$145,927.74** ("Funding") for the Term, which shall be payable to County in the amount of $24,321.29 per month. County shall submit the invoice(s) to the City for review and approval. City will pay the County within forty-five days of its receipt of the invoice. Additional Funding for any Extension Term(s) shall be as determined by the Parties' mutual consent and written amendment hereto.

3. Purpose of Funds: The County shall use the funds provided by the City pursuant to this Agreement solely for Supportive and/or Housing Services Master Agreement ("SHSMA") work order(s) with County contractor(s) who will provide Intensive Case Management Services ("ICMS") to PEH placed into the City Shelter.

4. County Responsibilities: The County, through DHS, will manage the contractor(s) providing ICMS services at the City Shelter pursuant to a SHSMA issued work order and shall

provide ICMS service for the PEH referred by City to County for placement in the City Shelter during the Term.

County shall ensure the delivery of services, monitor the work order(s) and diligently enforce the terms of SHSMA and promptly inform the City of any non-compliance by any SHSMA contractor providing work pursuant to this Agreement.

The County shall maintain all records in accordance with generally acceptable accounting principles as further set forth in the terms and conditions of the Master Agreement by and between the County of Los Angeles Department of Health Services and its contractor, as in effect during the term of this Agreement and is incorporated herein by reference. The City shall have the right to review all records and to perform audits of such records during the Term of this Agreement and for a period of five years thereafter in order to verify compliance with the terms of this Agreement.

For the avoidance of doubt, nothing in this Agreement shall require the County to disclose, or permit the City to access, any Protected Health Information ("PHI"), Personally Identifiable Information ("PII"), or other client-level confidential information protected under federal or state law. The City's audit and review rights shall extend only to financial, contractual, and programmatic records necessary to confirm compliance with this Agreement.

5. City Responsibilities: The City will provide the pallets and access to the shelter space at no cost to the County or its subcontractor(s).

6. Early Termination: City retains the right in its sole discretion to cease operation of the City Shelter. Notwithstanding the foregoing, City shall provide County with 10 days advance written notice of its intent to close the City Shelter.

7. Fixtures and Personal Property: County and its contractor may remove, at its own expense, during or at the expiration of the term or other termination of this Agreement, all fixtures, equipment, furniture, and all other personal property (collectively "County Equipment") placed or installed in or upon the City Shelter by County or its contractor.

8. Indemnity Clause: Each party shall indemnify, defend, and hold harmless the other, its Special Districts, elected and appointed officers, employees, agents, and volunteers from and against any and all liability, including but not limited to, demands,
claims, actions, fees, costs, and expenses (including attorney and expert witness fees), arising from and/or relating to this Agreement, except for such loss or damage arising from the negligence or willful misconduct of the indemnitees.

9. Insurance: County shall comply with the insurance requirements set forth in Attachment A.

10. Recital and Attachments: The recitals set forth above and the attachment listed below is incorporated as a term and condition of this Agreement:

Attachment A: Insurance Requirements for the County

11. Survival: The obligations set forth in Section 46 (County Responsibilities) pertaining to recordkeeping, audit, and confidentiality and privacy provisions, Section 7 (Fixtures and Personal Property), Section 8 (Indemnity Clause), and Section 9 (Insurance) shall survive the expiration or earlier termination of this Agreement.

IN WITNESS WHEREOF, the Board of Supervisors of the County of Los Angeles has caused this Agreement to be executed by the County's Director of Health Services and City has caused this Agreement to be executed in its behalf by its duly authorized officer, the day, month, and year first above written.

By: _____
James A. Light, Mayor

Date _____

By: Signed by: Christina R. Ghaly 029181E30DD2416...
Christina R. Ghaly, M.D., Director
Los Angeles County Department of Health Services

Date 10/16/2025 | 11:52 AM PDT

**Approved as to form:**

By: _____
Joy A. Ford
City Attorney

**Approved as to form:**

By: Signed by: Lynette Clyde 2E7D623784264B9...
Lynette Clyde
Deputy County Counsel

Attest:

_____
Eleanor Manzano, CMC
City Clerk

## ATTACHMENT A

## INSURANCE REQUIREMENTS FOR THE COUNTY

Without limiting County's indemnification obligations under this Agreement, County shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the County, its agents, representatives, or employees.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001).

Insurance Services Office form number CA 0001 (Ed. 1/87) covering Automobile Liability, code 1 (any auto).

Workers' Compensation insurance as required by the State of California.

Employer's Liability Insurance.

Minimum Limits of Insurance

County shall maintain limits no less than:

General Liability: $2,000,000 per occurrence for bodily injury, personal injury and property damage. The general aggregate limit shall apply separately to this project.

Automobile Liability: $1,000,000 per accident for bodily injury and property damage.

Employer's Liability: $1,000,000 per accident for bodily injury or disease.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: (1) the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers or (2) the County shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies shall contain, or be endorsed to contain, the following provisions:

Additional Insured Endorsement:

General Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of work performed by or on behalf of the County. General liability coverage can be provided in the form of an endorsement to the County's insurance, or as a separate owner's policy.

Automobile Liability: The City, its officers, elected and appointed officials, employees, and volunteers shall be covered as insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the County.

For any claims related to this project, the County's insurance coverage shall be primary insurance as respects the City, its officers, elected and appointed officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the County's insurance and shall not contribute with it.

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the City.

Each insurance policy shall be endorsed to state that the inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverages afforded shall apply as though separate policies had been issued to each insured.

Each insurance policy shall be in effect prior to awarding the contract and each insurance policy or a successor policy shall be in effect for the duration of the project. The maintenance of proper insurance coverage is a material element of the contract and failure to maintain or renew coverage or to provide evidence of renewal may be treated by the City as a material breach of contract on the County's part.

Acceptability of Insurers

Insurance shall be placed with insurers with a current A.M. Best's rating of no less than A:VII and which are authorized to transact insurance business in the State of California by the Department of Insurance.

Verification of Coverage

County shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on the City authorized forms provided with the contract specifications. Standard ISO forms which shall be subject to City approval and amended to conform to the City's requirements may be acceptable in lieu of City authorized forms. All certificates and endorsements shall be received and approved by the City before the contract is awarded. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements effecting the coverage required by these specifications at any time.

Subcontractors

County shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

Risk Management

County acknowledges that insurance underwriting standards and practices are subject to change, and the City reserves the right to make changes to these provisions in the reasonable discretion of its Risk Manager.

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 4/10/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**PRODUCER**
Arthur J. Gallagher Risk Management Services, LLC
500 N Brand Boulevard, Suite 100
Glendale CA 91203

License#: 0D69293

**CONTACT NAME:** Rachael Orman
**PHONE (A/C, No, Ext):** 818 539 9422 **FAX (A/C, No):** 818 539 1510
**E-MAIL ADDRESS:** Rachael_Orman@ajg.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : National Casualty Company | 11991 |
| INSURER B : Hudson Excess Insurance Company | 14484 |
| INSURER C : Philadelphia Indemnity Insurance Company | 18058 |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED**
Harbor Interfaith Services, Inc.
South Bay Auxiliary of Harbor Interfaith Services
670 W. 9th St.
San Pedro CA 90731

HARBINT-01

**COVERAGES** **CERTIFICATE NUMBER:** 248712262 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| C | X COMMERCIAL GENERAL LIABILITY | Y | | PHPK2709876-000 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE | $ 1,000,000 |
| | CLAIMS-MADE X OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | MED EXP (Any one person) | $ 5,000 |
| | POLICY PRO-JECT X LOC | | | | | | PERSONAL & ADV INJURY | $ 1,000,000 |
| | OTHER: | | | | | | GENERAL AGGREGATE | $ 3,000,000 |
| | | | | | | | PRODUCTS - COMP/OP AGG | $ 3,000,000 |
| | | | | | | | | $ |
| C | AUTOMOBILE LIABILITY | | | PHPK2709876-000 | 4/1/2025 | 4/1/2026 | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | X ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| C | X UMBRELLA LIAB X OCCUR | | | PHUB918948-000 | 4/1/2025 | 4/1/2026 | EACH OCCURRENCE | $ 5,000,000 |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | $ 5,000,000 |
| | DED X RETENTION $ 10,000 | | | | | | | $ |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | N / A | | WCC335155A-25 | 4/1/2025 | 4/1/2026 | X PER STATUTE OTH-ER | |
| | ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) | | | | | | E.L. EACH ACCIDENT | $ 1,000,000 |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - EA EMPLOYEE | $ 1,000,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ 1,000,000 |
| B | Directors & Officers | | | HFP-HE-NPP-9742-040125 | 4/1/2025 | 4/1/2026 | Per Claim<br>Aggregate<br>Retention | $1,000,000<br>$2,000,000<br>$10,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
Policy: Abuse and Molestation Liability
Policy#: PHPK2709876-000
Carrier: Philadelphia Indemnity Insurance Company
Policy Term: 4/1/2025 To 4/1/2026
Per Claim: $1,000,000 / Aggregate: $3,000,000

See Attached...

**CERTIFICATE HOLDER**

City of Redondo Beach
415 Diamond Street
Redondo Beach CA 90277

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE
Melissa Cruz

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AGENCY CUSTOMER ID: HARBINT-01

LOC #:

# ADDITIONAL REMARKS SCHEDULE



| AGENCY | NAMED INSURED |
|---|---|
| Arthur J. Gallagher Risk Management Services, LLC | Harbor Interfaith Services, Inc.<br>South Bay Auxiliary of Harbor Interfaith Services<br>670 W. 9th St.<br>San Pedro CA 90731 |
| POLICY NUMBER | |
| CARRIER / NAIC CODE | EFFECTIVE DATE: |

**ADDITIONAL REMARKS**

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**

**FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

Policy: Professional Liability
Policy#: PHPK2709876-000
Carrier:Philadelphia Indemnity Insurance Company
Policy Term: 4/1/2025 To 4/1/2026
Per Claim: $1,000,000 / Aggregate: $3,000,000

Policy: CRIME
Policy#: MML-003833-0425
Carrier: Atlantic Specialty Insurance Company
Policy Term: 4/1/2025 To 4/1/2026
Employee Theft: Limit: $1,000,000/ Deductible: $10,000
Forgery or alteration: Limit: $1,000,000/ Deductible: $10,000
Theft of money and securities : $1,000,000/ Deductible: $10,000
Robbery or burglary of other property : $1,000,000/ Deductible: $10,000
Money and Security : $1,000,000/ Deductible: $10,000
Computer Fraud and Funds Transfer Fraud:$1,000,000/ Deductible: $10,000

Certificate holder is named additional insured with respect to the operations of the named insured. Workers Compensation coverage is evidence only.



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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

**SCHEDULE**

| Name Of Additional Insured Person(s) Or Organization(s) | Location(s) Of Covered Operations |
|---|---|
| City of Redondo Beach<br>415 Diamond Street<br>Redondo Beach CA 90277 | All Insured Premises and Operations |
| Information required to complete this Schedule, if not shown above, will be shown in the Declarations. | |

**A. Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

**B.** With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.


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**C.** With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

**1.** Required by the contract or agreement; or

**2.** Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.


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# Administrative Report

H.16., **File #** 25-1528 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: ELEANOR MANZANO, CITY CLERK

## TITLE
APPROVE CANCELLATION OF THE NOVEMBER 11, 2025 REGULAR CITY COUNCIL MEETING

## EXECUTIVE SUMMARY
Staff recommends that the City Council consider the cancellation of the Regular City Council, due to it falling on Veterans Day (November 11). The next Regular City Council meeting will be held on November 18, 2025 in which Warrants may be approved or Ordinances adopted.

The Adjourned Regular meeting will be held on November 18, 2025, at 4:30 p.m., primarily for Closed Session.

## BACKGROUND
The second regularly scheduled City Council meetings in November 2025 fall on Veterans Day (November 11), a national holiday. If Council wished to choose an alternate date, it would be considered a Special Meeting in which Warrants may not be approved or Ordinances adopted.

## FISCAL IMPACT
There is no fiscal impact associated with this item.

**APPROVED BY:**
*Eleanor Manzano, City Clerk*

# Administrative Report

J.1., **File #** 25-1507 **Meeting Date:** 11/4/2025

**TITLE**

*For eComments and Emails Received from the Public*

# Administrative Report

N.1., **File #** 25-1464 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: GREG KAPOVICH, WATERFRONT AND ECONOMIC DEVELOPMENT DIRECTOR

**TITLE**

DISCUSSION AND POSSIBLE ACTION REGARDING THE INSTALLATION OF A PUBLIC BOAT LAUNCH ON MOLE D IN KING HARBOR

APPROVE OPTION E AS THE PREFERRED LOCATION FOR THE BOAT LAUNCH AND DIRECT STAFF TO PREPARE A RESOLUTION TO APPLY FOR A GRANT FROM THE CALIFORNIA DIVISION OF BOATING & WATERWAYS TO FUND THE RAMP'S FINAL DESIGN AND CONSTRUCTION

**EXECUTIVE SUMMARY**

Staff is seeking authorization from the City Council to apply for a grant from the State of California's Division of Boating and Waterways (DBW) to cover the costs of designing and constructing a public boat launch on Mole D. The application is due to DBW by February 2, 2026 and requires an identified preferred location as part of the submittal package.

In 2024, the City entered into a contract with Moffatt & Nichol, an Engineering firm with experience in designing boat launches nationwide. The first phase of the contract required the consultant to conduct necessary technical studies such as traffic, parking, wave attenuation, and overall demand, along with the identification of location options along Mole D. The firm was also charged with identifying potential boat launch locations that conform to the completed studies and are large enough to conceptually accommodate a boat launch that adheres to the State's minimum design standards, and to assist with the preparation and submittal of a grant application to DBW. If the City is awarded funding for the boat launch project, the consultant would conduct additional community outreach and further refine the design within the preferred location to accommodate exact sizing and placement of other elements of the boat launch, such as a boat wash-down area, pay station, open space, relocated commercial structures, etc.

The consultants identified several locations on Mole D for the placement of the boat launch for City consideration. On September 23, 2025, the City hosted a public workshop to review the locations and to gather public feedback. On October 13, 2025 the Harbor Commission reviewed the location options and unanimously recommended that the City Council select Option E as the preferred location for the boat launch. Staff members from the WED and Fire Departments concur with the Commission and recommend the City Council approve Option E as the preferred location and authorize the submission of a grant application to DBW to fund the design and construction of the

boat launch.

## BACKGROUND

Unlike many regional harbors, King Harbor has historically been without a public boat launch, instead relying on boat hoists. Since 1959 the City has examined over 20 potential locations across Moles A, B, C, and D to build a public boat launch in accordance with direction from the Coastal Commission and to satisfy the requirements of Measure C. Measure C was a voter initiative that places emphasis on improvements to the King Harbor Marina that are recreational in nature, inclusive of a public boat launch. Measure C not only requires that a boat launch be constructed, but it stipulates that the ramp must include two lanes, 60 trailer parking spaces, be located a safe distance from the hand launch, not reduce the number of boat slips in the marina, operate in normal surge conditions, avoid locations where waves overtop the break wall, and is designed to meet minimum DBW design standards for boat launch ramps.

The most recent locations considered were along Mole C in 2015 and on Mole B in 2017. The Mole C location was not of sufficient size to meet minimum Measure C parking requirements. In addition, the general public cited concerns with ingress/egress to the site. There were two options considered for Mole B. Neither option could accommodate the parking requirements outlined by Measure C. In addition, option 1 along Mole B resulted in a net loss of slips, which Measure C prohibits, as well as a design that resulted in a narrow channel width between the end of the boat ramp and existing slips to the north. Option 2 on Mole B required the proposed boat launch to extend west into the main channel, which was not supported by the public.

In 2022, the City Council approved the King Harbor Public Amenities Plan which identified Mole D as the location for the public boat launch ramp within King Harbor. Mole D was favored by the general public, Harbor Commission, and City Council citing its proximity to the open water, as well as its size, which can accommodate the necessary parking and circulation.

The next step in the boat launch project schedule is to apply for a Boat Launching Facilities grant from DBW, which would fund the final design, permitting and construction of the public boat launch. The grant will not fund “pre-planning” phases, which includes preparation of a grant application, entitlement approval, or CEQA review. The City Council appropriated approximately $650,000 in the FY 2025-26 budget to cover the pre-planning phases. City staff and the consultant are currently working on the grant application. Should the City receive a grant funding award from DBW, staff would advance the City funded portion of the project to the entitlement phase, which includes additional community outreach to design the specific preferred location, CEQA environmental analysis, and efforts to obtain City and Coastal Commission approvals. Once complete, the awarded grant funding from DBW would cover preparation of plans and specifications for building permit submittal and construction.

To qualify for the 2026/2027 application cycle for this grant, City Council must choose a preferred location and prepare a resolution to be included with the application package, which is due by February 2, 2026. The City’s work to date, including the demand study, conceptual layouts, environmental and coastal hazard reconnaissance, traffic and parking analysis, and public outreach aligns with submittal expectations. DBW emphasizes equitable access, limited impact on the environment, and year-round ramp functionality as desirable criteria in selecting which boat launch applications to fund.

The consultant created six location alternatives along Mole D that could be designed to accommodate the results of the technical studies, meet minimum DBW design standards, and minimum Measure C requirements. Staff and the consultant initially narrowed the alternatives down to three, referred to as Options A, B, and C. The three other designs that were eliminated from consideration were variations of Option C, whereby the boat ramp faced west and had similar advantages/disadvantages; including the need for a 10-15-foot-tall sheet pile wall to eliminate wave uprush into the Mole D parking lot (more details to follow).

Prior to identifying location options for the boat launch on Mole D, the consultant was required to perform the following studies:

**Demand Study:** The Boat Launch Demand Study is a required study for the DBW grant. It assists in identifying the number of boaters expected to utilize the new boat launch, which in turn helps designers determine the appropriate number of lanes to accommodate demand. Through this study, the consultants calculated that approximately 54 new vehicle trips would occur on Mole D with the construction of a boat launch. The study determined that a two-lane ramp would cover the demand. Each of the location alternatives under consideration by the City Council include two-lanes.

**Transportation Study:** The Transportation Impact Study evaluated whether or not the proposed boat launch would have adverse impacts to traffic on Mole D. As concluded in the demand study, the boat launch ramp on Mole D is anticipated to add 54 vehicle trips to Mole D. The Transportation Study evaluated the level of service at the existing intersections along Harbor Drive at Herondo Street, Yacht Club Way, and Beryl Street. It also evaluated the intersections at Herondo Street & Francisca and Catalina Avenue & Beryl Street. The study concluded that the addition of 54 vehicle trips per day does not reduce the levels of service at any of the aforementioned intersections.

As part of the boat launch installation, the City Traffic Engineer (in consideration of the study) recommends slight modifications to the existing ingress/egress driveway accessed off of Harbor Drive. Currently, the driveway is wide enough to accommodate three lanes of vehicles (one inbound and two outbound). The City Traffic Engineer recommends a slight reduction in driveway width to eliminate the third lane while maintaining adequate width for the turning radius of large vehicles with trailers. Existing medians within the driveway would be removed and the sidewalk would be reconfigured to the adequate width. The new design could also accommodate additional pedestrian/bicycle alert signals or ground material changes to further reduce conflict between pedestrians and users of the bike lane. Design criteria would be considered, after the City is awarded grant money, during the entitlement process, and would include additional community input. In addition to the physical driveway improvements, the City Traffic Engineer also recommends prohibiting vehicles with trailers from turning right (south) onto Harbor Drive when leaving the Mole D surface parking lot. The intersection at Pacific Avenue and Catalina Avenue does not accommodate the necessary turning radius of a vehicle with a trailer. All vehicles with trailers would be required to turn left (north) onto Harbor Drive and could utilize either Beryl Street or Herondo Street to leave the area. Should the City receive a grant funding award from DBW, the grant funding would cover the costs associated with the driveway improvements and the City Traffic Engineer recommendations.

**Parking Study:** The existing surface parking lot on Mole D provides 719 spaces in total; 382 in the north lot (Seaside Lagoon and California Surf Club side) and 337 in the south lot (Cantina, R10 side). The placement of a new boat launch on Mole D would result in a net loss of existing parking stalls to

accommodate circulation, the boat launch itself, and the inclusion of trailer parking as required by Measure C.

With the boat launch, each of the location alternatives under consideration by City Council would reconfigure the existing marina parking lot to a combined 525 spaces: 465 regular (including ADA), 54 vehicle-plus-trailer (including ADA), and 6 RV-plus-trailer. This would result in a net reduction of 194 regular spaces but an increase of 6 trailer spaces plus 6 new RV-plus-trailer spaces. It should be noted that the 525 total parking spaces would be sufficient to meet the parking requirements for all existing buildings and uses on Mole D, inclusive of the new proposed boat launch.

**Coastal Criteria and Hazards Analysis:** The Coastal Criteria and Hazards Analysis is a required report to apply for a Coastal Development Permit from the California Coastal Commission. The study demonstrates that the City is addressing future sea level rise to explore the impact on the locations. Modeling and short-term wave measurements inside the harbor show that operational wave heights at the proposed sites are generally low under typical conditions, with storm periods generating more significant swells. The studies also looked at a worst-case-scenario in the form of the impact of a once-in-100-year storm surge. Sea-level rise should be accommodated over the service life of the boat launch and can be planned for via freeboard, grading, and adaptable features in design. The technical data indicated that the wave attenuation would have the most impact on Option C, thus requiring a 10-15-foot-tall sheet pile wall situated 50 feet from the toe of the boat launch to mitigate wave attenuation run-up and parking lot flooding. The study identified the least amount of sea level rise impact on Option A with more of an impact on Option B, but not enough to require a sheet pile wall.

***Initial Location Options***

Attachment 1 includes the three proposed location options presented to the community during the public workshop held on September 23rd.

**Option A:** Option A locates the ramp near the southern tip of Mole D and provides the most efficient land side design for queuing and circulation of vehicles. It provides minimal disruption of the pedestrian promenade and does not present a scenario in which vehicles with trailers are reversing across a pedestrian walkway. The ramp itself is the shortest of the three options due to the existing grade of this particular area of Mole D and it has the lowest expected wave run-up due to its protected proximity closest to the Basin III marina. For these reasons it is also one of the least expensive options. A portion of the existing dock infrastructure would need to be removed to accommodate the ramp opening but this option (like all the other options) includes construction of new dock area to the west of the ramp to accommodate a vessel queuing area on the water.

The drawback of option A is that this location provides the least amount of launching space and would create conflicts with adjacent Basin III boating activities. The channel width in this location is only 130 feet and is shared by a variety of boating types and users. Pursuant to DBW requirements, at least 50 feet of channel width measured from the toe of the ramp is required to accommodate boats utilizing the ramp. In addition to boats utilizing the new boat launch, there are existing commercial and recreational boats located within 58 slips and 4 dock areas in Basin III. Therefore, additional channel width must be accommodated for two-way vessel traffic. According to DBW standards, the required width for each vessel lane is 30 feet, or 60 feet for two-way traffic. In total, DBW requirements stipulate a channel width of 110 feet is required (at minimum) to accommodate boat launch users and Basin III vessel traffic where Option A provides 130 feet. It is also important to

note that Basin III contains commercial vessel operators that rent stand up paddleboards, pedal boats, and Duffy boats for use by the general public. All three examples are small, slow-moving, and are often utilized by inexperienced operators. DBW standards base channel lane width requirements on the slip that can accommodate the largest vessel operating within Basin III. A stand-up paddleboard, pedal boat, and Duffy boat are all smaller than this vessel type and as such the DBW requirement that 30-foot-wide vessel lanes be provided to accommodate those users. However, there is concern that the inexperienced user of pedal boats/paddleboards/Duffy boats would attempt to traverse the narrow channel width while two larger vessels already occupy the travel lanes or alternatively, commercial vessels would grow impatient of the slow-moving human-powered vessels that are in the channel and potentially enter prematurely.

**Option B:** Option B is similar to Option A in that the ramp faces south. However, the ramp has been moved further west, within the footprint of the existing Cantina restaurant. Vehicle circulation and queuing on the landside would also shift west reducing the landside vehicle efficiency and causing vehicles with trailers to make sharper turns when approaching or leaving the launch ramp. The overall grade at the top of the ramp would increase two feet in height when compared to Option A to accommodate slightly higher grade elevations at this point on Mole D as well as slightly higher wave uprush. Wave uprush is expected to be higher in Option B due to its location closer west where wave attenuation is higher. That said, a sheet pile wall to protect against wave uprush is not needed. Due to the higher overall grade at the top of ramp, the ramp itself has a greater overall length than Option A and is therefore projected to be more expensive. While landside vehicle circulation efficiency is reduced with this option as compared to A, waterside navigability is gained. By shifting the south facing ramp further west the design takes advantage of the angle of the existing south breakwater wall, which results in a widened channel. Option B results in a channel width of approximately 170 feet, or 40 feet wider than Option A and moves the ramp away from the ingress/egress point of Basin III.

**Option C:** Option C completely changes the angle of the proposed boat ramp to face west. It is in close proximity to the hand launch and is located adjacent to the primary parking lot drive aisle connecting to Harbor Drive. It would result in the most waterside navigability clearance and is not limited in width by the south breakwater wall.

The drawbacks of option C include a major wave uprush concern. As shown in Attachment 2, there were several other west facing ramps explored for Mole D and all west facing options resulted in significant wave uprush issues in which the marina parking lot would be subject to periodic flooding. To mitigate against wave uprush risk, any west facing option would require the construction of a 10-15-foot-tall sheet pile wall. In addition to the sheet pile wall, the overall grade at the top of the ramp would need to be four feet higher than the Option B grade and six feet higher than Option A, resulting in the lengthiest ramp of all the options. Due to the overall length, the fact that the ramp projects further west (further into the ocean floor) and the need for a sheet pile wall, Option C represents the largest footprint, highest cost, and largest environmental impact to the ocean floor. It is important to note that when Coastal Commission reviews the final entitlement plans, options with minimal environmental impact are favored. For this reason, staff and the consultant have identified Option C as the most difficult to receive permits. Other drawbacks include a severed pedestrian promenade, in which vehicles with trailers would be required to reverse across a pedestrian heavy environment, and minimal vehicle queuing on the landside.

**Public Feedback**

On September 23, 2025, the consultant team (SWA and Moffatt & Nichol) and staff moderated an in-person community workshop to present the technical studies, location options, answer questions, and gather public input. The workshop was held at the Redondo Beach Public Library from 5:30 PM to 7:00 PM, with nearly 40 community members in attendance. The meeting was live-streamed on YouTube via the City's official channel for remote participants. During the meeting, the City and project consultant team introduced the project goals and reviewed past studies and planning efforts related to the boat launch. The project team discussed the analysis of existing conditions at the Mole D site, followed by a presentation of the boat launch location options currently under consideration. An in-depth analysis was provided for each option outlining the benefits and drawbacks. A live interactive survey was incorporated into the presentation to encourage public participation. The workshop concluded with a Q&A session, during which participants submitted written comments and questions on cards for the project team to address.

SWA moderated and conducted an interactive live survey during the meeting to collect community input and feedback. Seven survey questions were developed in collaboration with the project consultant team and the City. The first three questions focused on getting to know who was in the audience, attendee demographics, frequency of visits to King Harbor, and primary reasons for those visits. When asked about which group best described you, nearly 33% of the audience identified as local residents, 27% were boat owners with slips, 15% were yacht club members, and 12% were business owners. Approximately 34% of respondents reported visiting the harbor daily, while 36% visit multiple times per week. Of the seven response categories, the primary reasons for visiting King Harbor were identified as: boating (27%), dining (19%), walking the pier/biking (15%), visiting a yacht club (13%), attending harbor/pier events (11%), paddle boarding/kayaking (11%), and going to work (4%).

The remaining questions addressed the importance of various elements of the boat launch, the likelihood of participants using the facility, and their preferred option among those presented. Boater traffic safety was considered the most important factor by the majority of respondents. The second and third most important factors were wave protection and minimizing conflicts between pedestrians/bikes and vehicles. Nearly half of the respondents indicated they are either "likely" or "very likely" to use the boat launch. About 31% reported that the question was not applicable because they do not launch boats, while 25% indicated they are unlikely to use the facility. Among the boat launch locations, Option C was the most favored by respondents (42%), followed by Option A (35%). Option B was the least favored (23%).

A question and answer (Q&A) session was held after the presentation. Participants wrote their questions and comments on cards for the project team and the City to address. A total of 14 comment cards were collected, covering a range of questions. Several addressed operational aspects of the boat launch, such as hours of operation and regulated parking times. On-the-water boat traffic considerations were raised multiple times, and questions related to the sheet pile wall in Option C were also highlighted and discussed. One card provided a different location option for the boat launch, an "Option D," which located the launch near the existing boat hoist and R10. Option D has been included as Attachment 3 and the consultant team evaluated this location option prior to the Harbor Commission meeting on October 13, 2025. The option would require removing existing Basin III slips, which is prohibited by Measure C, so this site was not looked at in any further detail. At the conclusion of the Q&A, the consultant team again surveyed the participants on a preferred location option. Option C remained the most popular choice (46%), while Options A and B received similar levels of support, each at 27%.

**Option E:** Overall, the community expressed concerns with each of the original three options. As a result, staff and the consultant explored a hybrid option that would address the boating navigational concerns associated with Option A and the landside vehicle concerns of Option B. The consultant began by taking a south facing ramp as shown in Option A and B as a starting point and rotated the angle of the ramp to the west (clockwise). The proposal (Option E) has been included as Attachment 4. The idea is to rotate the ramp as far west as possible before wave uprush becomes a concern. By rotating the ramp west, the new ramp location can maximize a wider channel width by taking advantage of the south breakwater wall angle, but stop the rotation when a sheet pile wall would be necessary to avoid wave uprush. In this case, the channel width in Option E is approximately 160 feet, or 30 feet wider than Option A, but ten feet narrower than Option B. In addition, if the ramp is rotated west, then the vehicle turn-around circle located atop the boat ramp would rotate east, thus improving upon the vehicle circulation challenges in Option B by utilizing the same north/south drive-aisles within the parking lot as Option A and eliminating the sharp turns as vehicles traverse the surface parking lot and approach the turn-around circle. Option E also allows for the preservation of Mole D's existing commercial space.

**Staff and Harbor Commission Recommendation**

Preserving navigable waters and ensuring clearances and predictable traffic patterns for Basin III tenants, visiting boaters, and human-powered craft is an important consideration. Moffatt & Nichol took the minimum clearances required from the DBW boat launch guidelines and ensured that locations A, B, C, and E all meet and exceed the minimum requirements for safety. They accounted for the size and quantity of the vessels that have slips in Basin 3 and measured for the largest-sized boats, so two of the large boats could pass next to each other and someone could be launching a boat simultaneously.

Option A has the least on-water clearance space with 130 feet, while Option E provides more navigable width at 160 feet, and Option B has an even greater width at 170 feet. The sheet pile wall for Option C would extend the required 50 feet beyond the bottom of the ramp to give the minimum clearance for ramp ingress/egress. Beyond the 50-foot requirement, Option C provides the most navigable waters beyond the sheet pile wall with no other limitations.

While Option C provides the most navigable water, locations that avoid the construction of new offshore wave protection structures, including sheet pile walls, are generally less complex to permit. The additional sheet pile breakwater, rock mound, and length of ramp would impact more soft-bottom habitat as opposed to Option A, B, or E, where most of the ramp is being constructed on land side and only the bottom of the ramp is protruding into the existing coastline. Options A, B, and E would therefore be viewed as more favorable by the CCC because they are less impactful.

Staff and the consultant appeared before the Harbor Commission on October 13, 2025 to obtain a recommended location option for City Council consideration. Commissioners discussed wind, safety, and circulation tradeoffs: several comments criticized Option A's upwind, narrow fairway and wind-shadow turbulence that would force unpowered sailboats to tack in confined space. Poor landside circulation issues were identified with Option B, while Option C received unfavorable comments due to its need of a 15-foot tall sheet-pile wall. Commissioners commented that the sheet pile wall would likely create visibility issues as well as environmental impacts. By contrast, Option E's forty-five degree rotation toward the southwest was praised for yielding a safer, more controllable exit relative to prevailing winds, while preserving longer queuing docks and better land-side circulation.

As a result, the Harbor Commission (unanimously), and City staff, recommend Option E which maintains the benefits of Options A and B and improves upon their deficiencies. The channel width of Option E is approximately 30 feet wider than Option A and is significantly removed from the entrance to Basin III, thus providing more runway to engage boating traffic and more channel width to accommodate human powered vessels and other slow-moving boats. Option E also results in a vehicle turn around circle further east that is more in-line with the existing parking lot drive-aisles, thus eliminating the need for sharp turns before vehicles with trailers approach the turn-around circle. The channel width of Option B remains approximately 10 feet wider than Option E, however the landside circulation for both vehicles and pedestrians is significantly improved over Option B. The Harbor Commission acknowledged that picking a location was a difficult decision as there is no perfect option, but that Option E offered the best compromise between permitting, environmental impact, cost, and maximizing the channel navigation space, while both protecting against storm surges and ensuring optimal landside circulation. In addition to unanimously recommending that City Council direct staff to apply for the grant with Option E as the preferred location, the Harbor Commission carried a second motion recognizing the importance of future design phases to mitigate any pedestrian, vehicle, or boater conflicts.

Once a preferred location for the public boat launch is selected, staff would return to Council with a resolution formally authorizing the submission of a City funding application under the Boat Launching Facilities grant administered by DBW.

## COORDINATION

The Waterfront & Economic Development Department coordinated this report with input from the Harbor Commission and the public.

## FISCAL IMPACT

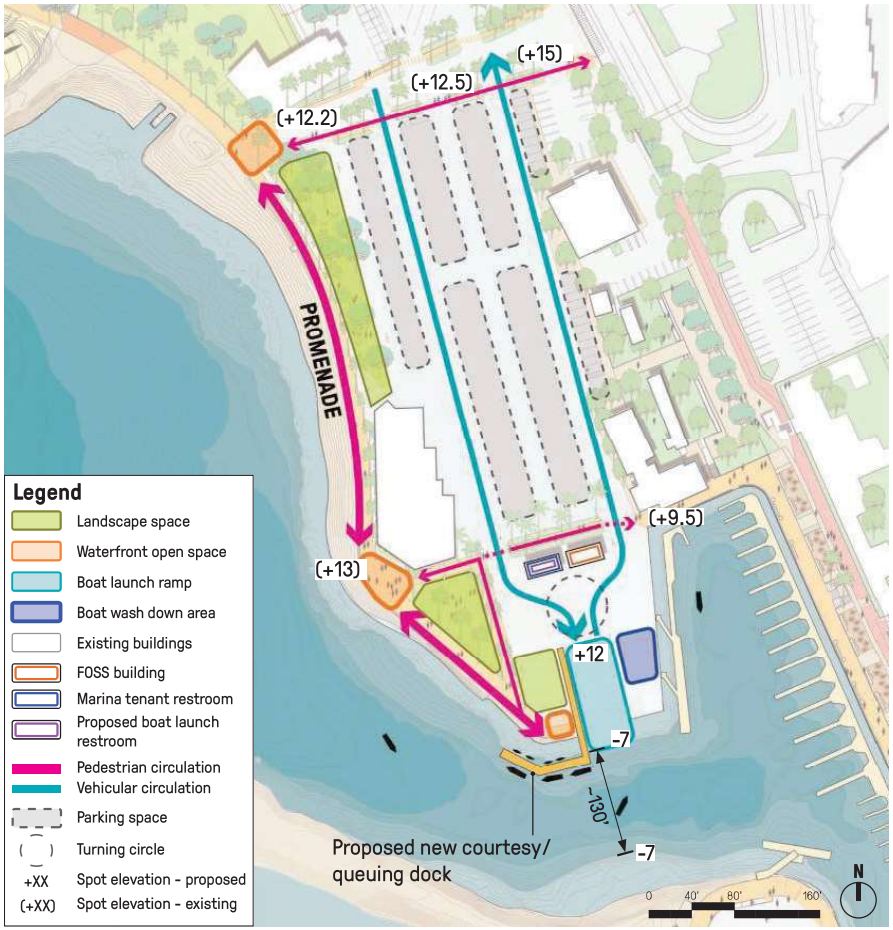
The pre-planning and conceptual design work for the new boat launch facility performed by Moffat and Nichol was funded as part of the City's Capital Improvement Program. Funding for the final design and construction costs associated with installation of the new ramp would be provided by DBW, if the City is selected for a Boat Launching Facilities Grant award.

**APPROVED BY:**
*Mike Witzansky, City Manager*

## ATTACHMENTS

- Attachment 1 - Location Options A, B & C
- Attachment 2 - Additional location options
- Attachment 3 - Community Member Option D
- Attachment 4 - Option E
- Study - Boat Launch Demand Study, May 5, 2025
- Memo - Coastal Criteria and Hazards Analysis
- Study - Transportation Impact and Parking Study, September 12, 2025

# BOAT LAUNCH RAMP CONCEPTUAL PLACEMENT - OPTION A




## Key Facts

- Two lane launch ramp
- Total trailer parking spaces:
  - *60 on-site*
  - *20 overflow*
- Total pedestrian parking spaces:
  - *40-60 on-site*

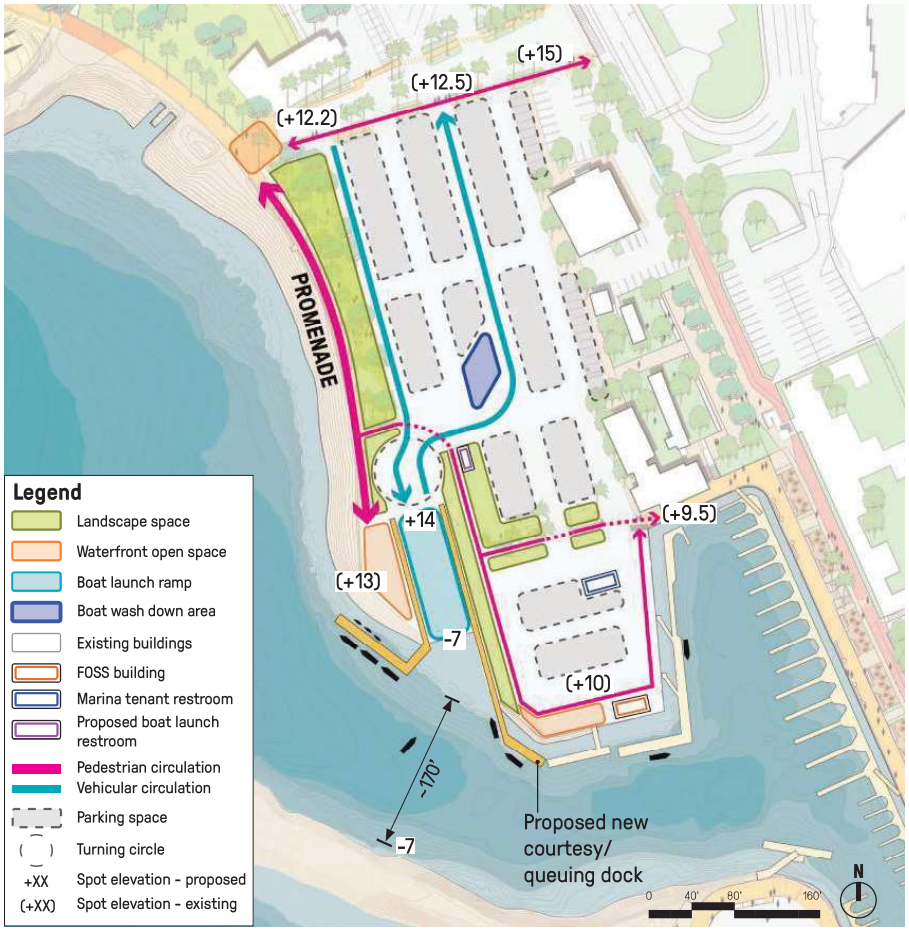
## Benefits

- Best option in terms of circulation due to space for turning and ample space for queuing lanes
- Minimal disruption to waterfront pedestrian promenade
- Lowest expected wave run-up, most protected area from waves
- Smallest ramp footprint
- Cost effective
- Ability to protect existing Mole D restaurant tenant building in place

## Drawbacks

- Ramp is further away from access of Harbor Dr
- Demolition and/or relocation of existing Basin 3 tenant restroom and FOSS buildings and parking
- Reduced channel width for vessel navigation, but still meeting, and exceeding, minimum requirements

# BOAT LAUNCH RAMP CONCEPTUAL PLACEMENT - OPTION B




## Key Facts

- Two lane launch ramp
- Total trailer parking spaces:
  - *60 on-site*
  - *20 overflow*
- Total pedestrian parking spaces:
  - *40-60 on-site*

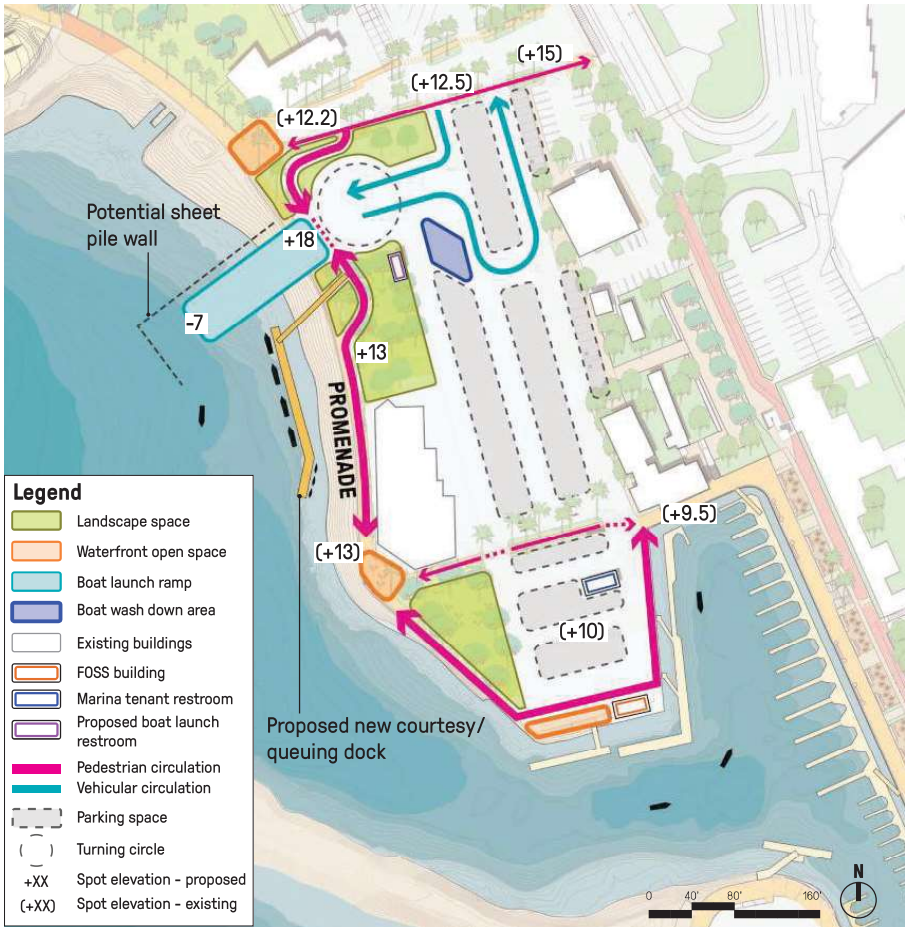
## Benefits

- Allow existing basin 3 tenant restroom and FOSS building to be protected in place
- Vehicle queuing can begin in the parking lot
- Maintains channel width for vessel navigation

## Drawbacks

- Location of ramp requires separation from parking and boat wash down areas
- Shorter vehicle queuing in parking lot
- Increased conflicts between pedestrian circulation & boat launch activity
- Limited green space and reduced waterfront promenade
- Demolition of existing Mole D restaurant tenant building

# BOAT LAUNCH RAMP CONCEPTUAL PLACEMENT - OPTION C




## Key Facts

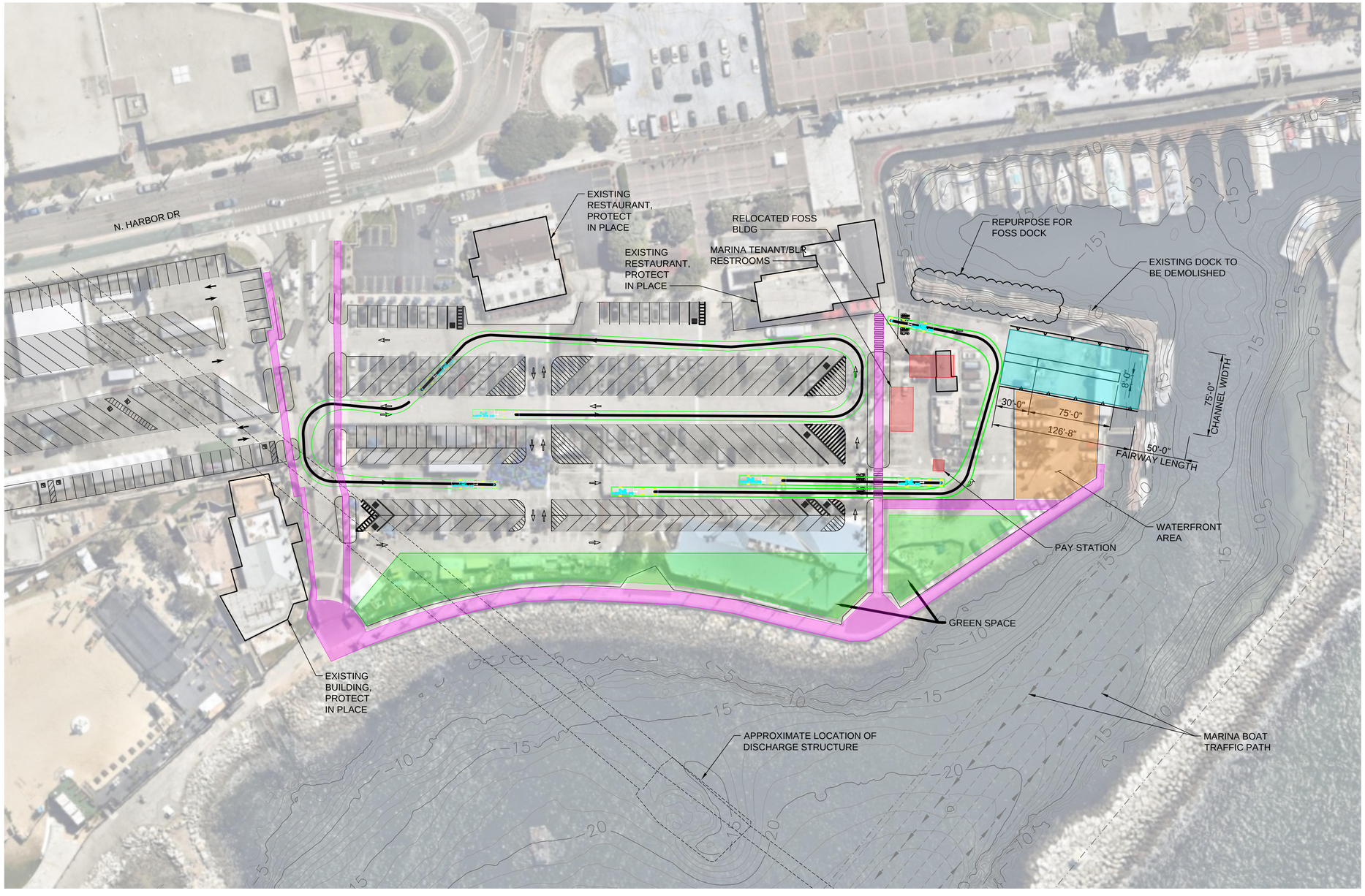
- Two lane launch ramp
- Total trailer parking spaces:
  - *60 on-site*
  - *20 overflow*
- Total pedestrian parking spaces:
  - *40-60 on-site*

## Benefits

- Closest to Harbor Dr. Access
- Widest navigational clearance
- Ability to protect existing Mole D restaurant tenant building and FOSS building in place

## Drawbacks

- Severed pedestrian promenade
- Potential conflict with kayak drop off area
- Minimum queue/stacking length
- Turning circle difficult to navigate from main entrance off Harbor Dr
- High potential wave run-up, least protected from waves and requires significant grading and/ or sheet pile protection
- Significant regulatory permitting hurdle
- Largest ramp footprint
- Highest cost




## LEGEND

- VEHICULAR TRAFFIC
- PEDESTRIAN CIRCULATION
- GREEN SPACE
- WATERFRONT OPEN SPACE
- PARKING
- BOAT LAUNCH RAMP
- BUILDING/STRUCTURE

A G-102 ALTERNATIVE 1 PLAN
SCALE: 1"=50'

N

50' 0' 50' 100'

SCALE: 1"=50'

CITY OF REDONDO BEACH
REDONDO BEACH, CA

| Mark | Description | Date | App'r |
|---|---|---|---|

REDONDO BEACH MOLE D BOAT LAUNCH RAMP
REDONDO BEACH, CA

ALTERNATIVE 1 PLAN

4225 EAST CONANT STREET
LONG BEACH, CA 90808
562-426-9551
moffatt & nichol

| | | | |
|---|---|---|---|
| Designed by: ##### | Dwn by: ##### | Chd by: ##### | Rev: ###### |
| Reviewed by: ##### | Submitted by: MOFFATT & NICHOL | Drawing Scale: AS NOTED | Plot scale: 1:1 (D SHEET) |
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PROFESSIONAL SEAL:

DATE

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MOFFATT & NICHOL

Sheet Reference No.
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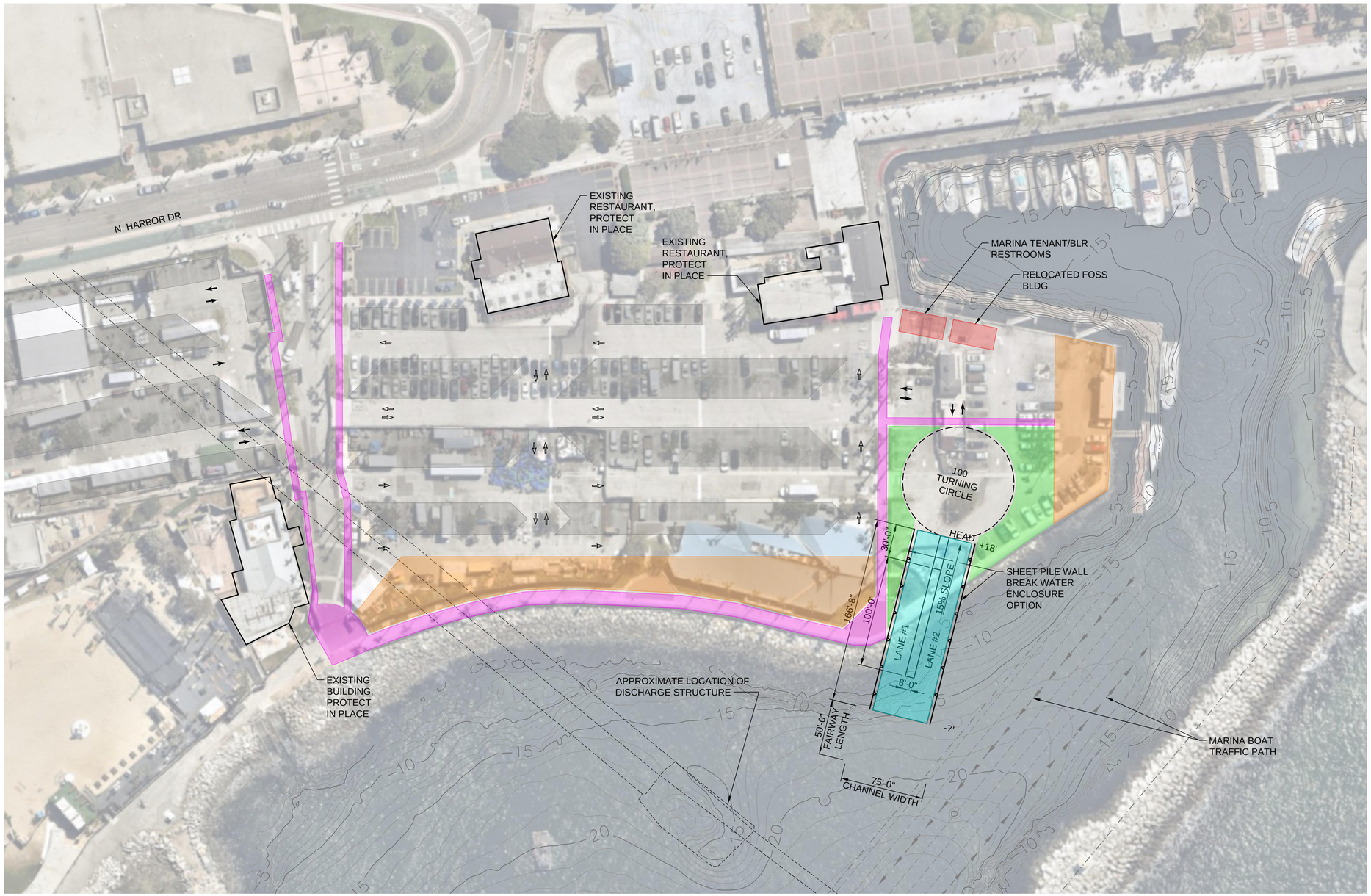


## LEGEND

- VEHICULAR TRAFFIC
- PEDESTRIAN CIRCULATION
- GREEN SPACE
- WATERFRONT OPEN SPACE
- PARKING
- BOAT LAUNCH RAMP
- BUILDING/STRUCTURE

A G-103 ALTERNATIVE 2 PLAN
SCALE: 1"=50'

N

50' 0' 50' 100'

SCALE: 1"=50'

CITY OF REDONDO BEACH
REDONDO BEACH, CA

| Mark | Description | Date | App'd |
|---|---|---|---|
| | | | |

REDONDO BEACH MOLE D
BOAT LAUNCH RAMP
REDONDO BEACH, CA

ALTERNATIVE 2 PLAN

| | | | |
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| Reviewed by: #### | Submitted by: MOFFATT & NICHOL | GPA Project No.: | M&N Project No: |
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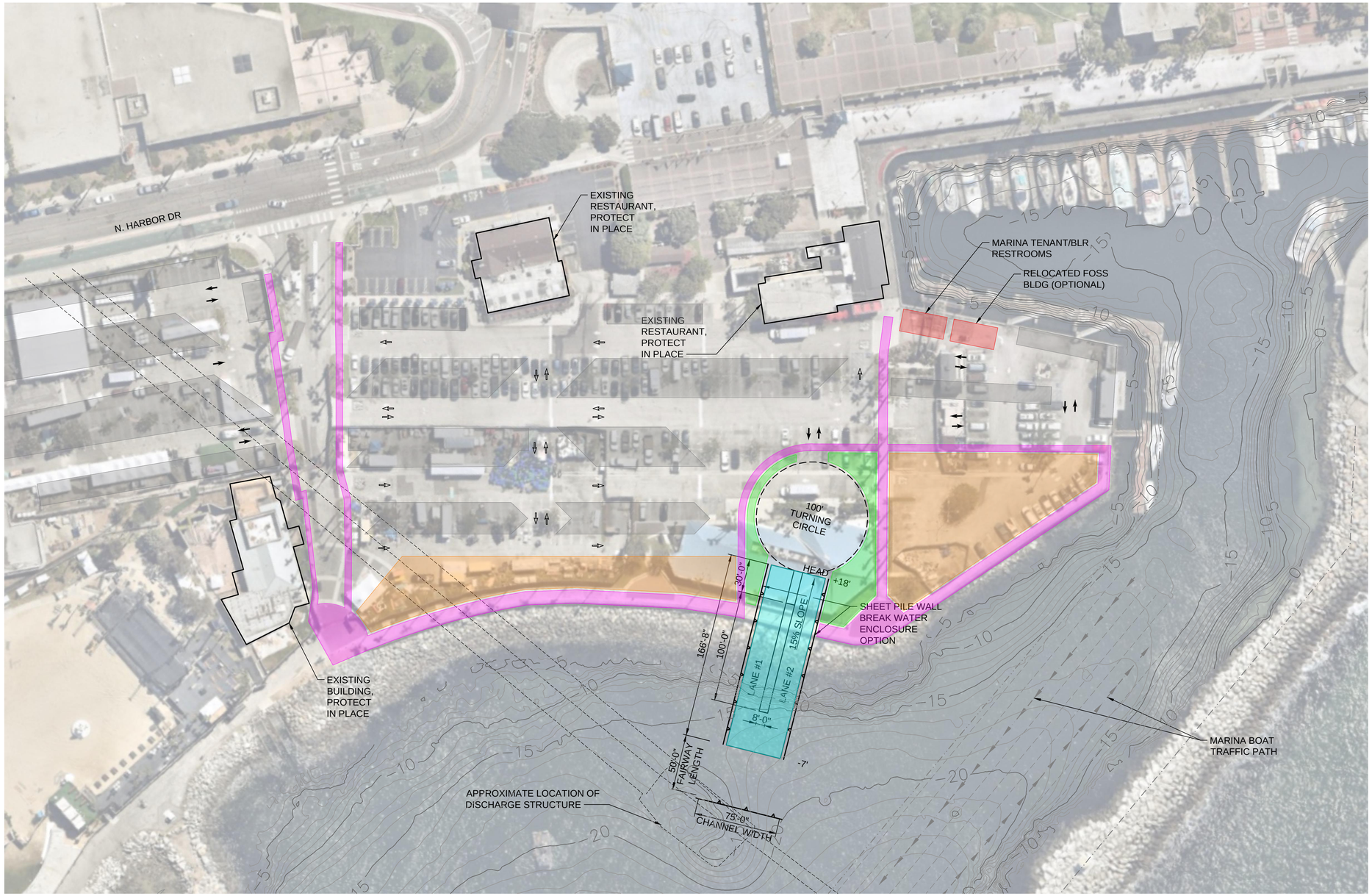


## LEGEND

- VEHICULAR TRAFFIC
- PEDESTRIAN CIRCULATION
- GREEN SPACE
- WATERFRONT OPEN SPACE
- PARKING
- BOAT LAUNCH RAMP
- BUILDING/STRUCTURE

A G-104 ALTERNATIVE 3 PLAN
SCALE: 1"=50'

N

50' 0' 50' 100'

SCALE: 1"=50'

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

CITY OF REDONDO BEACH
REDONDO BEACH, CA

| Mark | Description | Date | App'd |
|---|---|---|---|

REDONDO BEACH MOLE D
BOAT LAUNCH RAMP
REDONDO BEACH, CA

ALTERNATIVE 3 PLAN

Designed by: #####
Drawn by: #####
Cad by: #####
Reviewed by: #####
Submitted by: MOFFATT & NICHOL

Date: #####
Rev: #####
M&N Project No.
GPA Project No.:
Drawing Scale: AS NOTED
Plot scale: 1:1 (D SHEET)

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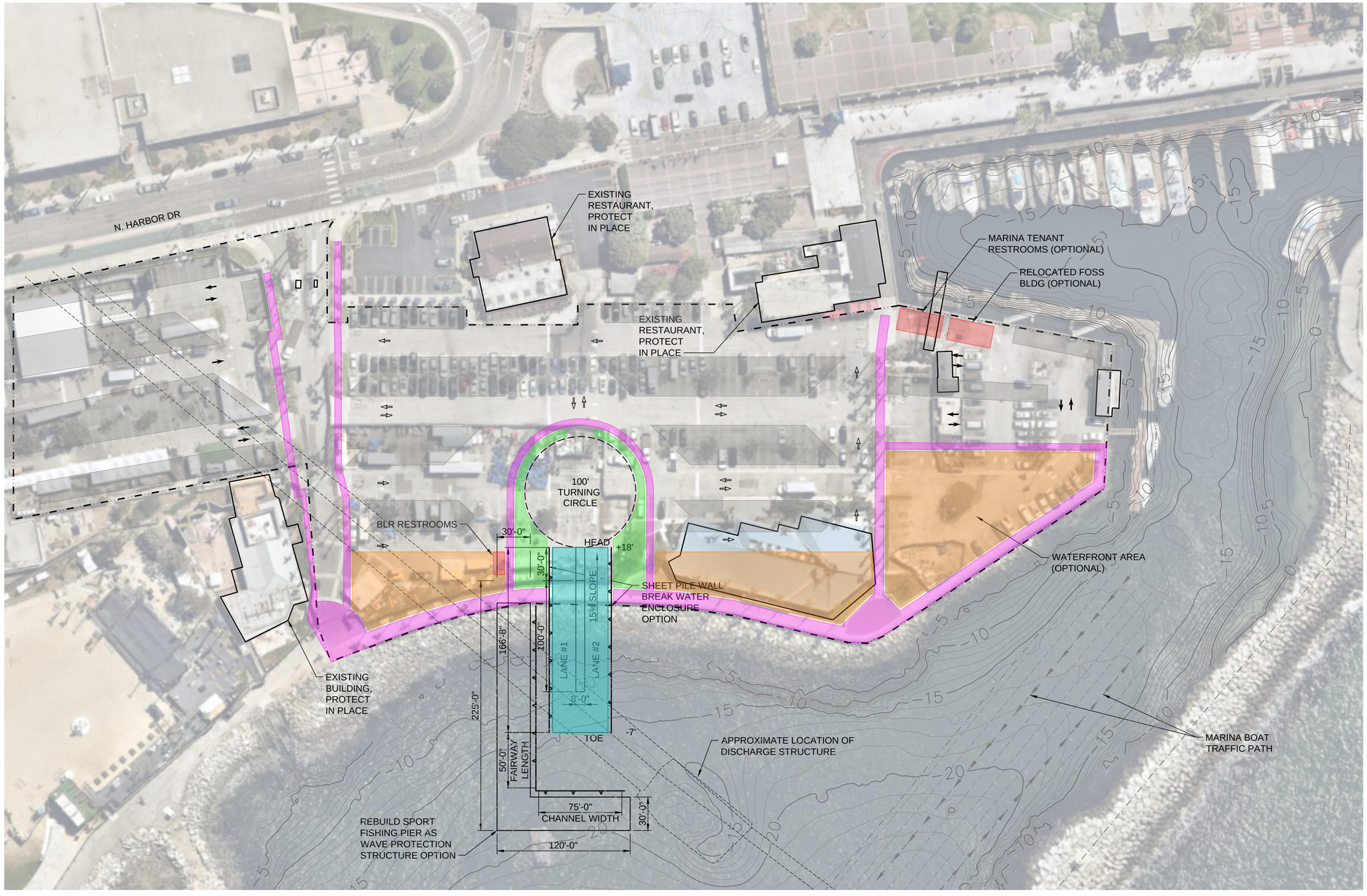


A G-105 ALTERNATIVE 4 PLAN
SCALE: 1"=50'

## LEGEND

- VEHICULAR TRAFFIC
- PEDESTRIAN CIRCULATION
- GREEN SPACE
- WATERFRONT OPEN SPACE
- PARKING
- BOAT LAUNCH RAMP
- BUILDING/STRUCTURE

N

50' 0' 50' 100'

SCALE: 1"=50'

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

CITY OF REDONDO BEACH
REDONDO BEACH, CA

| Mark | Description | Date | App'r |
|---|---|---|---|

REDONDO BEACH MOLE D
BOAT LAUNCH RAMP
REDONDO BEACH, CA

ALTERNATIVE 4 PLAN

Designed by: #####
Dwn by: #####
Ckd by: #####
Reviewed by: #####
Submitted by: MOFFATT & NICHOL
Date: #####
Rev. #####
M&N Project No.
GPA Project No.:
Drawing Scale: AS NOTED
Plot scale: 1:1 (D SHEET)

4225 EAST CONANT STREET
LONG BEACH, CA 90808
562-426-9551
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PROFESSIONAL SEAL:
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DATE

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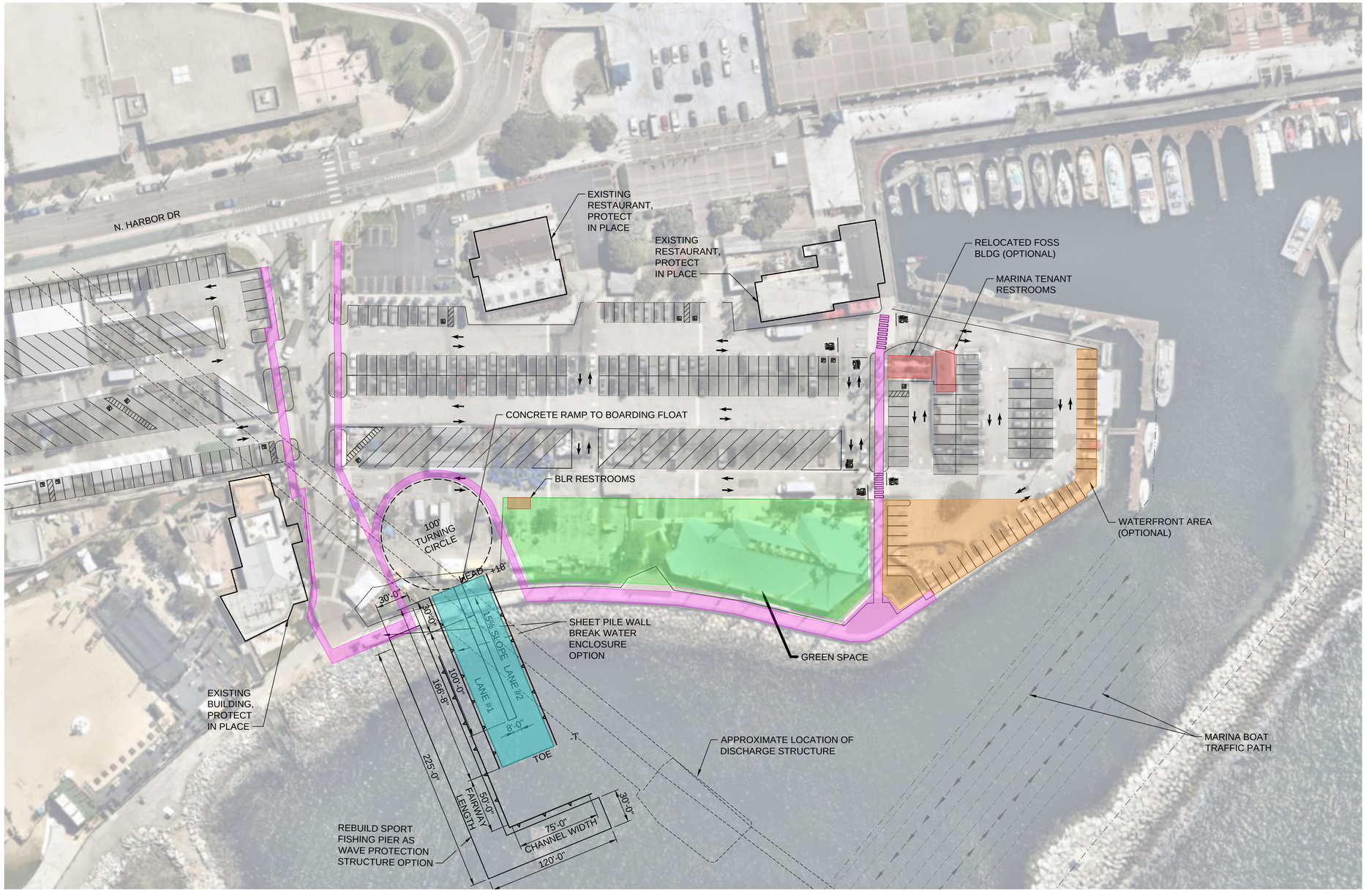


## LEGEND

- VEHICULAR TRAFFIC
- PEDESTRIAN CIRCULATION
- GREEN SPACE
- WATERFRONT OPEN SPACE
- PARKING
- BOAT LAUNCH RAMP
- BUILDING/STRUCTURE

A G-106 ALTERNATIVE 5 PLAN
SCALE: 1"=50'

N

50' 0' 50' 100'

SCALE: 1"=50'

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

CITY OF REDONDO BEACH
REDONDO BEACH, CA

| Mark | Description | Date | App'r |
|---|---|---|---|

REDONDO BEACH MOLE D
BOAT LAUNCH RAMP
REDONDO BEACH, CA

ALTERNATIVE 5 PLAN


4225 EAST CONANT STREET
LONG BEACH, CA 90808
562-426-9551
moffatt & nichol


| | | | |
|---|---|---|---|
| Designed by: ##### | Ckd by: ##### | Rev. ##### | |
| Dwn by: ##### | Reviewed by: ##### | Date: ##### | M&N Project No. |
| Submitted by: MOFFATT & NICHOL | | GPA Project No.: | Drawing Scale: AS NOTED |
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MOFFATT & NICHOL
DATE

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# M&N OPTION D REVIEW & ASSESEMENT

**FINAL Submittal**

Prepared For:
City of Redondo Beach
Waterfront & Economic Development Department
May 5, 2025

moffatt & nichol

# REDONDO BEACH BOAT LAUNCH RAMP DEMAND STUDY

## M&N PROJECT #: 232677

# Redondo Beach Boat Launch Ramp Demand Study

May 5, 2025

Prepared by:

moffatt & nichol

4225 E Conant St
Long Beach, CA 90808

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# 1. Existing Regional Boat Launch Market

Cataloguing the existing regional boat launch market provides an insight into market capacity and local boating trends. The existing market analysis is used to evaluate the current demand for boat launches and to project future demand in the market region by identifying the types of existing boat launches in the market.

## 1.1 Market Area

The proposed Redondo Beach Boat Launch Ramp resides in King Harbor. Regionally, King Harbor lies on the California coast, 20 miles from downtown Los Angeles, in Los Angeles County. The harbor is south of Marina del Rey, Los Angeles International Airport and Manhattan Beach and north of the Palos Verdes Peninsula, and within the limits of the City of Redondo Beach and Los Angeles County. The Redondo Beach regional market consists of five counties: Ventura, Los Angeles, San Bernardino, Riverside and Orange.

Market area geographic boundaries are generally defined by the distance that local boaters are willing to travel to use a facility. The geographic area helps identify the competing and comparable boat launches within that area.

Studies suggest typical day boaters are willing to travel by car for up to one hour (~30 miles) from home to use their boat. Weekend boaters will travel much farther – up to 5 or 6 hours – spending the night on their boat. Surveys support these limits, confirming the geographic market region centered on Redondo Beach encompasses boaters within Ventura, Los Angeles, San Bernardino, Riverside and Orange County. Boat launches within this geographic area compete for the regional boating population.

*Figure 1-1: Redondo Beach Market Area*

## 1.2 Market Characteristics

Boating season in the Redondo Beach Boat Launch Ramp market is year-round but peaks in the summer months – June, July, and August. Redondo Beach is a prime geographic location in Southern California, with some of the best weather and water conditions in the country and is in close proximity to fishing grounds.

Sailing/cruising and recreational fishing are among the most popular activities in California marine markets. The region also attracts transient boaters from outside the market for sailing races, sportfishing, and general tourism. To better identify boater demographics within the regional market and subsequently define the drivers that generate demand, the market is divided into boat classes defined by length; vessels under 40 ft. are trailerable vessels and generally stored on land, resulting in the need for a boat launch or hoist to get into the water. Vessels above 40 ft. are generally stored in water.

## 1.3 Market Size

There is currently a Redondo Beach Small Boat Launch Facility with a boat hoist that provides access to the water for the local market, however, this is proposed to be demolished and replaced with the proposed Redondo Beach Boat Launch Ramp. Additionally, the regional market is comprised of 16 other boat launch facilities (BLF) for coastal water access, as shown in Table 1-1. Of these 16 boat launch facilities, 9 are located within 30 miles of the proposed boat launch site.

*Table 1-1: Redondo Beach Market Boat Launch Facilities*

| Facility | Distance from Redondo Beach | City | County |
|---|---|---|---|
| Marina Del Rey Boat Launch Facility | 9.3 | Marina Del Rey | Los Angeles |
| Cabrillo Beach Launch Ramp | 11.5 | Los Angeles | Los Angeles |
| South Shore Boat Ramp | 13 | Long Beach | Los Angeles |
| Claremont Boat Launch Ramp | 18 | Long Beach | Los Angeles |
| Davies Boat Ramp | 18 | Long Beach | Los Angeles |
| Granada Boat Launch Ramp | 18 | Long Beach | Los Angeles |
| Marine Stadium Ramp | 18 | Long Beach | Los Angeles |
| Sunset Aquatic Marina | 20.2 | Huntington Beach | Orange |
| Huntington Harbor Yacht Club | 21 | Huntington Beach | Orange |
| Newport Dunes Waterfront Resort & Marina | 33.7 | Newport Beach | Orange |
| Dana Point Boat Launch Ramp / Embarcadero Marina | 49 | Dana Point | Orange |
| Channel Islands Harbor | 51 | Oxnard | Santa Barbara |
| Ventura Harbor | 58 | Ventura Beach | Ventura |
| Santa Barbara Launch Ramp | 83 | Santa Barbara | Santa Barbara |
| Goleta Beach County Park | 91 | Goleta | Santa Barbara |
| Gaviota State Park | 112 | Goleta | Santa Barbara |

## 1.4 Facility Type & Size

A summary of the BLFs in the market broken down by facility name, type, and number of lanes is shown in Table 1-2. Of the 16 facilities in the market area, 12 are boat launch ramps, with number of launch lanes ranging from 1 to 8.

*Table 1-2: Market Area Boat Launch Facility Type & Size*

| Facility | Number of Launch Lanes |
|---|---|
| Marina Del Rey Boat Launch Facility | 8 |
| Cabrillo Beach Launch Ramp | 4 |
| South Shore Boat Ramp | 2 |
| Claremont Boat Launch Ramp | Sand |
| Davies Boat Ramp | 7 |
| Granada Boat Launch Ramp | Sand |
| Marine Stadium Ramp | 4 |
| Sunset Aquatic Marina | 4 |
| Huntington Harbor Yacht Club | 1 |
| Newport Dunes Waterfront Resort & Marina | 6 |
| Dana Point Boat Launch Ramp / Embarcadero Marina | 6 |
| Channel Islands Harbor | 3 |
| Ventura Harbor | 6 |
| Santa Barbara Launch Ramp | 8 |
| Goleta Beach County Park | |
| Gaviota State Park | Hoist |

## 1.5 Pricing

Usage rates for boat launch facilities in the regional market vary and are influenced somewhat by location and amenities provided. Table 1-3 shows information on published rates for the different facilities in the market. Most facilities do not charge for the use of the boat launch itself, but rather charge a “per day” parking fee for vehicle and/or trailers. The per day rate for facilities in the market area varies from $7 to $20, with the average being $14 for the market area and $13 for facilities within 30 miles of the proposed project site.

*Table 1-3: Market Area Boat Launch Facility Pricing*

| Facility | Fee to Launch |
|---|---|
| Marina Del Rey Boat Launch Facility | $15 with trailer, $10 vehicles only |
| Cabrillo Beach Launch Ramp | $15/day |
| South Shore Boat Ramp | $12/day |
| Claremont Boat Launch Ramp | $12/day |
| Davies Boat Ramp | $12/day |
| Granada Boat Launch Ramp | $12/day |
| Marine Stadium Ramp | $12/day |
| Sunset Aquatic Marina | $20/day |
| Huntington Harbor Yacht Club | $7/day |
| Newport Dunes Waterfront Resort & Marina | $15/winter, $20/summer |
| Dana Point Boat Launch Ramp / Embarcadero Marina | $15/day |
| Channel Islands Harbor | $13 day use, $19 8pm-4am, $60 overnight occupied |
| Ventura Harbor | $10/day |
| Santa Barbara Launch Ramp | $20 vehicle per day, $8 trailer per day |
| Goleta Beach County Park | $15/day |
| Gaviota State Park | Annual Hoist Fee $150 |

## 2. Boating Market and Industry Trends

Trends in the U.S. boating market as well as correlations between boat ownership and major economic indicators provide guidance on potential marina and boat launch market growth. Trends include:

- National and State Boat Registration Trends
- Population Trends

These trends are further analyzed in the following sections.

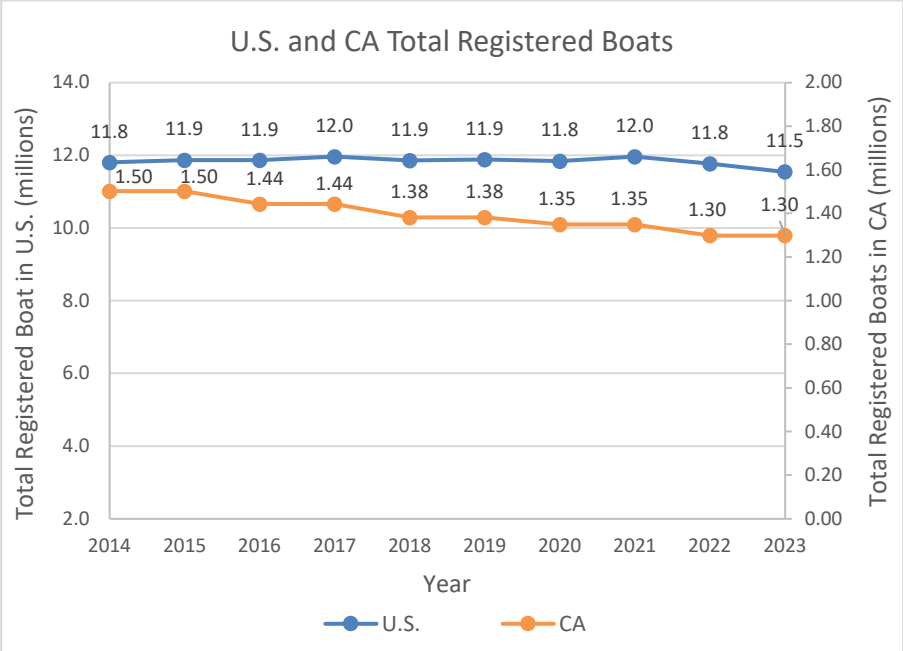
### 2.1 Boat Registration Trends

Boats in the U.S. are registered and licensed by the U.S. Coast Guard or the state of residence. The number of registered boats directly relates to boat ownership and boat use which affects boat launch facility demand.

Analysis of U.S. boat registration statistics from 2014 to 2023 (Figure 2-1) shows that the total number of registered boats in the U.S. has stayed relatively steady. Figure 2-1 also shows that there has been a slight decrease in registered boats in California but overall has also remained relatively steady.

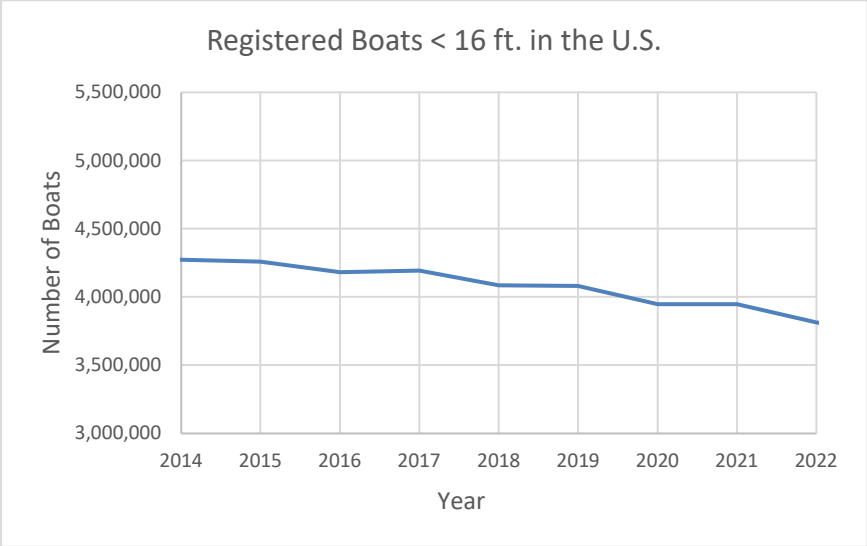
The U.S. boat registration statistics can be further broken down to observed trends in specific boat sizes. For boats under 40 ft., the United States Coast Guard (USCG) breaks down the sizing as registered boats less than 16 ft., registered boats greater than 16 ft. and less than 26 ft., and registered boats greater than 26 ft. and less than 40 ft. The registration trends for each of these sizing categories for the U.S. can be seen in Figure 2-2, Figure 2-3, and Figure 2-4, respectively.

While there has been a steady decrease in vessels less than 16 ft. in length, there has been a steady increase in vessels greater than 16 ft. but less than 26 ft., and in vessels greater than 26 ft. but less than 40 ft. The vessels in these 16 ft. to 40 ft. categories are the target audience for a boat launch ramp facility compared to vessels less than 16 ft., as the smaller vessels could use other means for getting into the water like a boat hoist facility that may not have enough tonnage capacity for the larger vessels being trailered.



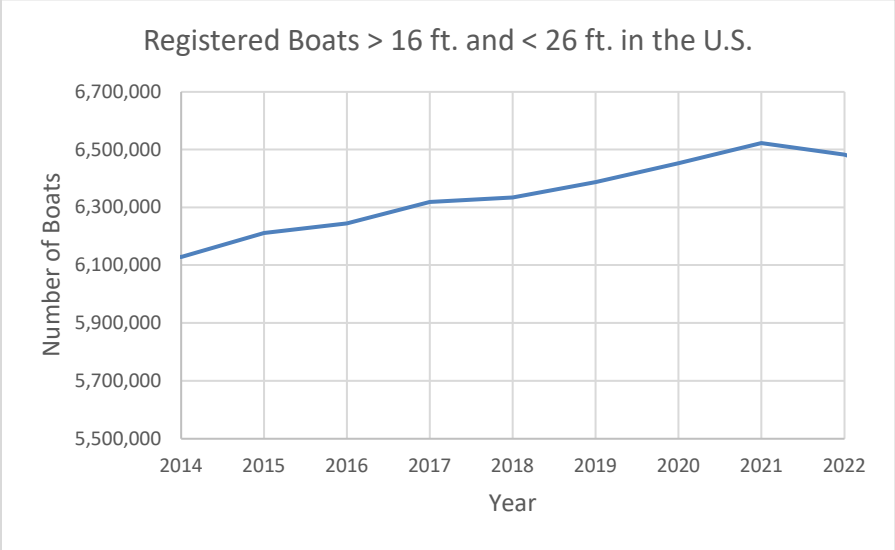

(Source: USCG)

*Figure 2-1: U.S. and CA Total Registered Boats by Year*



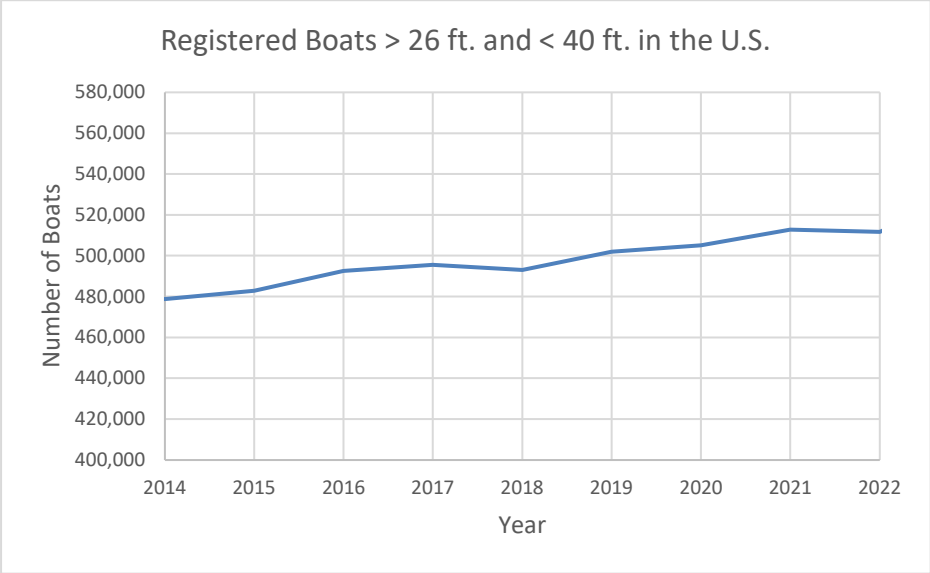

(Source: USCG)

*Figure 2-2: U.S. Registered Boats < 16 ft. by Year*




(Source: USCG)

*Figure 2-3: U.S. Registered Boats > 16 ft. and < 26 ft. by Year*

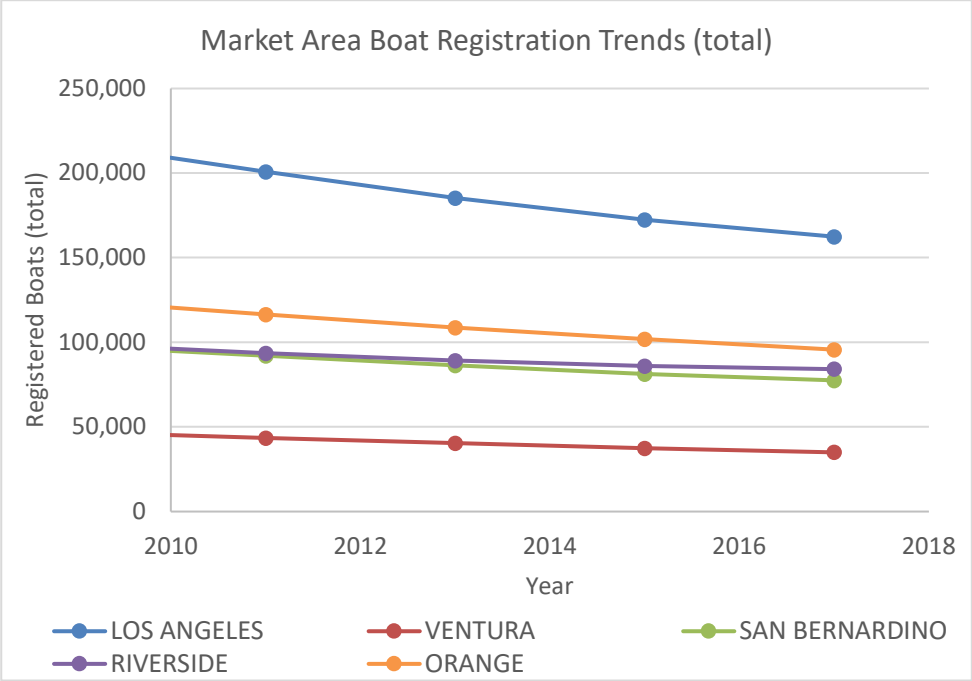



(Source: USCG)

*Figure 2-4: U.S. Registered Boats > 26 ft. and < 40 ft. by Year*

Trends for registered boats within the market area from 2010 to 2017 can be seen in Figure 2-5. While boat registrations within the market area have had a slight decrease overtime, Los Angeles County, where the proposed boat launch facility is located, continues to hold the largest number of boat registrations within the market area. It is assumed that the boat owners within Los Angeles County will be the typical day boaters using the facility, while boat owners from other counties may travel to the area less frequently or on weekends.

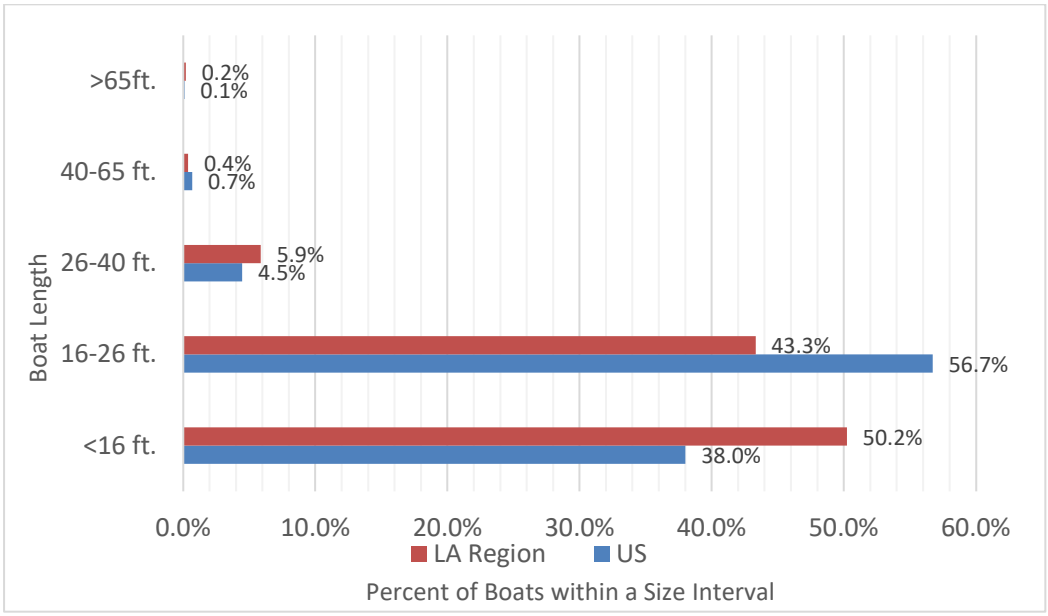
The California Department of Motor Vehicles (CA DMV) has not published the total vessel registrations by county since 2017, but vessel registrations for more recent years for the entirety of California can be seen in Figure 2-1. Comparing Figure 2-1 and Figure 2-5, the California, United States, and market area boat registrations all trend similarly. Due to the similar trend lines, it is assumed that the market area boat registration trend has continued to have a slight decrease in recent years, but likely due to a decrease in vessels below 16 ft. in length as seen in the U.S. registration trends.




(Source: CA DMV, CA DBW)

*Figure 2-5: Market Area Boat Registration by Year*

Figure 2-6 shows a breakdown of boat sizes in both the Los Angeles Region and the U.S. These percentages confirm that trailerable boat sizes, or those less than 40 ft., account for more than 99% of the registered boats in the market area and the country.




(Source: CA DMV, CA DBW, USCG)

*Figure 2-6: Percentage of Boats by Size in Los Angeles Region and U.S.*

## 2.2 Population Trends

Figure 2-7 through Figure 2-10 below shows population growth trends from 2010 to 2022 for the market area, Los Angeles County, the South Bay area, and Redondo Beach, respectively. The "market area" refers to the 5 counties previously mentioned surrounding the project location. The "South Bay" refers to the local market in the Southern portion of Los Angeles County that is anticipated to benefit greatly from the addition of the proposed boat launch ramp; this area includes the following cities: Redondo Beach, El Segundo, Hermosa Beach, Manhattan Beach, Palos Verdes Peninsula, Carson, Gardena, Hawthorne, Inglewood, Lawndale, Lomita, Torrance, San Pedro, Westchester, Wilmington, and Harbor City.

Population growth in the market area, Los Angeles County, and the South Bay show an overall steady increase in population from 2010 to 2022. Population growth in Redondo Beach had a steady increase from 2010 to 2015, and then increased quicker between 2018 and 2020, showing that the population has the potential to grow at a higher rate in years to follow.

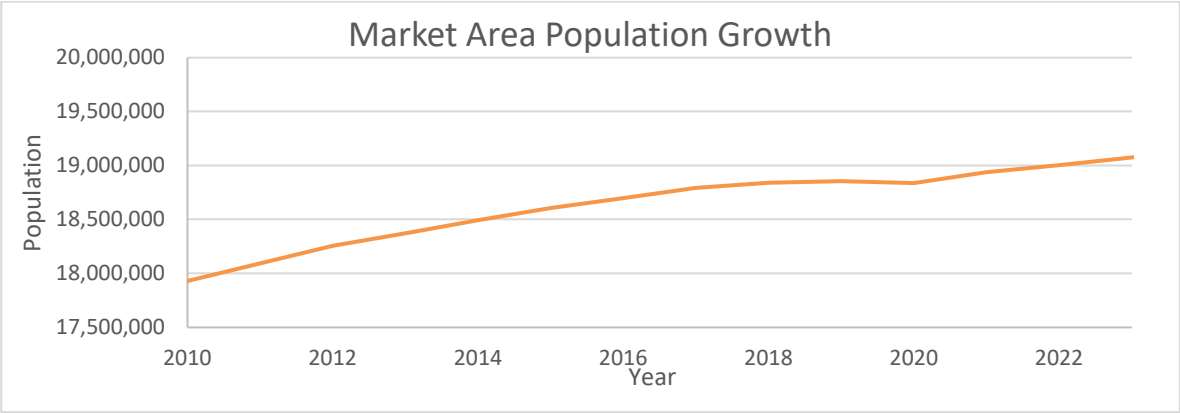



*Figure 2-7: Market Area Population Growth by Year*

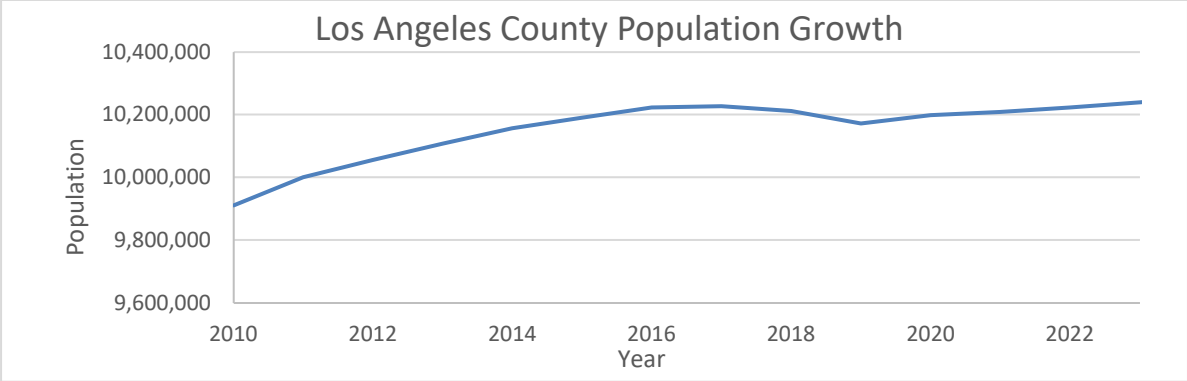



*Figure 2-8: Los Angeles County Population by Year*

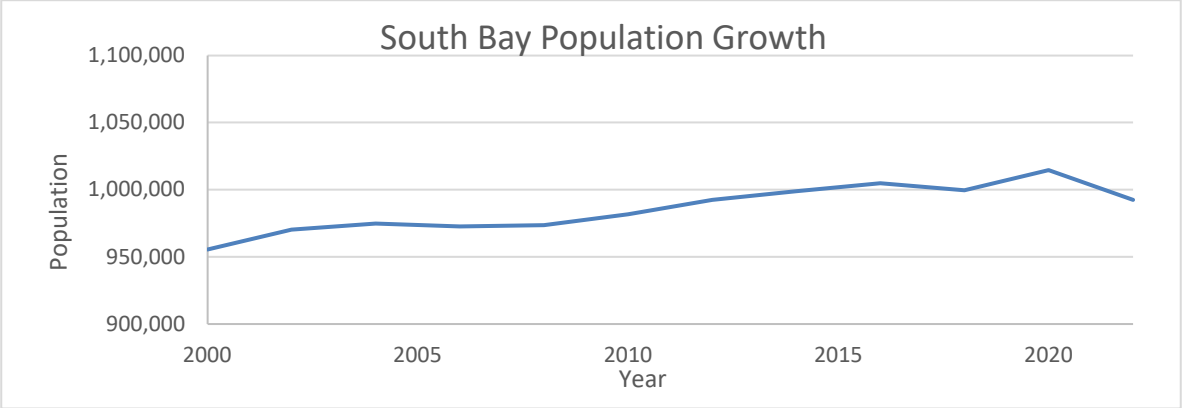



*Figure 2-9: South Bay Population Growth by Year*

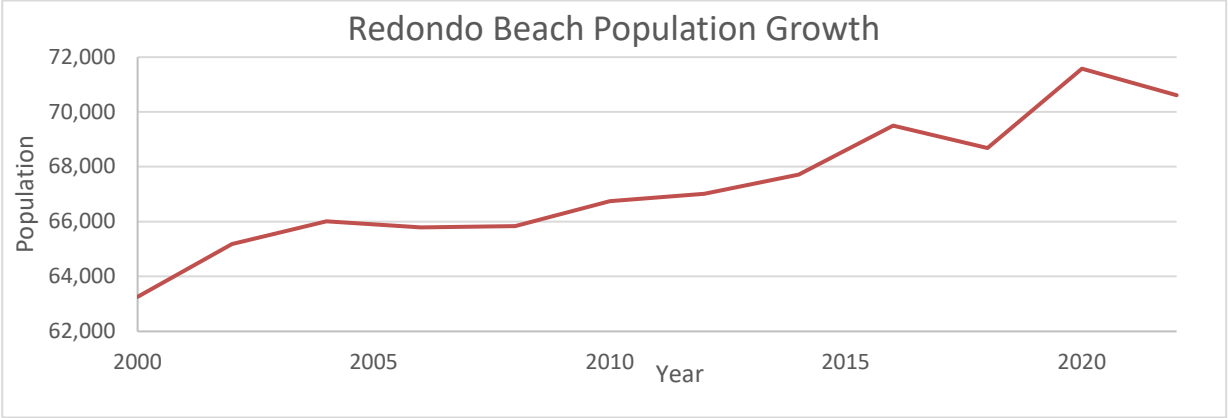



*Figure 2-10: Redondo Beach Population Growth by Year*

## 3. Market Usage and Demand

The market capacity is determined by identifying typical boaters projected to use a boat launch facility within the market and associated trends in the populations of boaters. Boat launch facility users in the regional market area include:

- Recreational boaters from the surrounding community who store their boats on land
- Transient recreational boaters visiting the region

### 3.1 Usage

#### 3.1.1. Redondo Beach Boat Hoist

Usage data for the existing Redondo Beach boat hoist can be seen in Table 3-1; note that usage data is unknown from 2000-2011 and 2015-2022. Usage for this boat launch facility has decreased over time, likely due to several causes including: limitations on boat size/weight that can use the hoist, limited hours of operation, reduction in number of hoists at facility, and more expensive launching rates. The current boat hoist is a five-ton hoist and is capable of hoisting boats up to 10,000 lb. and 30 ft. long and is open between 6am and 7pm, depending on the day and time of year. When the hoist facility first opened in the

1960's, two boat hoists were available for public use. However, nearly 50 years later, between 2012 and 2014 the hoists were displaying operating deficiencies and were in need of repairs. In 2014, the City only repaired one of the two hoists, leaving only one operable hoist at the facility; in recent years, the second hoist was completely demolished from the site. The reduction to one hoist in 2014, and the operational deficiencies leading up to then, is likely a major cause to the decrease in yearly launches between 1999 and 2012.

*Table 3-1: Redondo Beach Boat Hoist Launch Data*

| Year | # of Launches |
|---|---|
| 1997 | 4800 |
| 1998 | 4800 |
| 1999 | 4500 |
| 2012 | 1193 |
| 2013 | 1225 |
| 2014 | 1134 |
| 2023 | 1166 |
| 2024 | 1233 |

Current rates for the Redondo Beach Boat Hoist, based on boat length, are shown in Table 3-2. Compared to the boat ramp launch rates for the market area shown in Table 1-3, the boat hoist rates are significantly higher. Boats over 18 ft. in length would be paying over double the average boat launch rate ($14) in the area, likely resulting in boaters travelling to a facility that may be further away to save money on launch rates.

*Table 3-2: Redondo Beach Boat Hoist Rates*

| Boat Length | Hoist Rate |
|---|---|
| Under 12' | $18.00 |
| 12' to 17'11" | $23.00 |
| 18' to 21'11" | $30.00 |
| 22' to 24'11" | $35.00 |
| 25' & over | $40.00 |

Usage data for the existing Redondo Beach boat hoist in 2024 can be used to estimate an average number of launches per day for the boat hoist. Per daily usage data provided by the City, during peak usage days, which is estimated to be 90 days of the year, 462 launches were accounted for using the boat hoist, equating to approximately 5.13 launches per day. On the remaining sub-peak usage days, or remaining 275 days of the year, a total of 771 launches were accounted for using the boat hoist, which equates to approximately 2.80 launches per day. Taking both the peak usage days (462 launches) and sub-peak usage days (771 launches) into account, **an average of approximately 3.38 launches per day** occurred using the boat hoist in 2024.

### 3.1.2. Market Area Usage

Per the California Department of Boating and Waterways (DBW) 2019 "California Boating Facilities Needs Assessment" (2019 CBFNA) the Long Beach Harbor area is the most frequently visited waterway by

motorized boats in the Los Angeles region (15% of boaters). Ten percent of boaters reported that they visit Alamitos Bay most frequently. These percentages correlate to the fact that Long Beach provides the most boat launch ramps of any city in the market area, with 5 of the 12 boat launch ramps.

It was reported that Davies Boat Launch Ramp, the largest boat launching facility in Long Beach, has approximately 40,000 trailered boats launched annually; this number does not account for the additional boats being launched at the other four boat launch sites located in the Long Beach Harbor/Alamitos Bay areas. It is anticipated that by providing a new boat launch ramp outside of the local Long Beach area, demand from those boat ramps will disperse to the new boat launch ramp as well. Additionally, at the north end of the market area, there are approximately 100,000 trailered boats launched annually at the Marina Del Rey boat launching facility. There are likely more launches at Marina Del Rey compared to Davies boat launch ramp due to it being the only launch facility in Marina Del Rey and the surrounding area, compared to Davies being 1 of 5 facilities in Long Beach.

Per a survey conducted in the 2019 CBFNA, 25% of motorized boat owners and said that King Harbor is in need of a launch ramp facility; this reiterates the idea that there is demand for a boat launch facility within the local Redondo Beach waterways. Furthermore, it is anticipated that the proposed boat launch ramp will have much greater demand than the existing boat hoist due to ease of use, larger vessel size capacity, and updated facility conditions.

### 3.1.3. Market Area Boat and Population Growth

Per the boat registration data in Section 2.1, there has been a steady number of registered boats in the United States between 2014 and 2021, with a steady increase in boats in the 16 ft. to 40 ft. size range. An increase in these size vessels likely indicates that there is also a growth in number of boats being trailered to a boat launch facility for day use.

Per the 2019 CBFNA, there were a total of 79,415 motorized vessels less than 40 ft. registered with the California Department of Motor Vehicles (CA DMV) between Los Angeles and Ventura Counties in 2016. Per data in Section 2.2, the approximate population of these two counties is 11 million, with 1 million (9%) of those residing in the South Bay region. It can then be assumed that 9%, or approximately 7,150, of those registered vessels less than 40 ft., will be in close proximity to the proposed boat launch ramp and become the target user. The remaining 72,265 registered vessels less than 40 ft. are still anticipated to use the proposed boat launch ramp, but likely at a less frequent rate. Non-motorized vessels are not considered in this study as a separate hand launch facility is assumed to be located in King Harbor.

It is anticipated that many of these boats in the South Bay region do not currently use the boat hoist located in Redondo Beach due to a combination of the capacity limits of the boat hoist (30 ft. length and 10,000 lb max), the high fees, and the ease of using a newer launch ramp facility versus the hoist. Though, as mentioned in Section 3.1.2, many boat owners have expressed interest in utilizing a launch ramp facility located in King Harbor/Redondo Beach.

The City of Redondo Beach has recognized the increase in boaters in the South Bay region in and local demand for the addition of a boat launch ramp in recent years through an amendment to the Redondo Beach Local Coastal Program (LCP). Among other things, the amendment requires the development of a public boat launch in King Harbor prior to or in conjunction with future development; this requirement has been heavily supported by local boaters for an expansion of public access on the water.

## 3.2 Recreational Demand Analysis

### 3.2.1. Anticipated Demand

Using data on the number of registered boats under 40 ft., and population of Redondo Beach and the surrounding market area, an anticipated demand for the proposed boat launch facility was developed.

Per Section 3.1.3, approximately 7,150 registered boats are assumed to be located within the South Bay area and an additional 72,265 in the market area. Per the USCG 2020 "National Recreational Boating Safety Survey" (2020 NRBSS), an average of 63.3% of boats in California are transported/trailered for launch purposes; using this statistic, it can be assumed that 4,525 boats in the South Bay region and an additional 45,745 boats in the market area are transported/trailered to launch each year. Furthermore, the 2020 NRBSS states that, on average, boats are transported/trailered for launch purposes 12 times a year in California; this would equate to 54,300 launches per year for boats in the South Bay area. It is anticipated that boats located outside the South Bay are more likely to visit the proposed boat launch facility on weekends or holidays, or approximately 33% of the time compared to those boats located within the South Bay. With that in mind, it can be assumed that these boats will be transported/trailered for launch purposes 4 times a year, creating an additional 182,980 launches per year.

It is anticipated that the proposed launch ramp facility will attract many of these boat owners due to closer proximity and newer facilities. However, it is also assumed some boat owners will continue to use their current boat launch facility. To be conservative, it is assumed that 25% of boat owners in the South Bay area would transition to using the proposed boat launch facility, which would equate to 13,575 launches per year; this assumption is based on the 25% of motorized boat owners who said that King Harbor needs a launch ramp facility as mentioned in the DBW Facility Needs assessment referenced in Section 3.1.2. In the overall market area outside of the South Bay, it is assumed 3% (approximately 1/8 of the 25% assumed for South Bay region) of boat owners transition to using the proposed boat launch facility, there would be an additional 14,640 launches per year. Taking both the anticipated South Bay boaters (13,575 launches) and remaining Los Angeles/Ventura County (5,718 launches) boat launches per year into account, **19,293 launches per year can be anticipated**. This number is likely conservative for the total demand as it does not include boats that may come from the other, further counties in the market area.

Comparing the anticipated demand for the proposed BLF in Redondo Beach to the current demand for facilities in Long Beach Harbor and Marina Del Rey, which capture the boat launch demand to both the south and north of the proposed launch ramp, further justifies that there is a high level of demand in the market area. With 40,000 trailered boats launched annually at Davies seven-lane launch ramp, that equates to approximately 5,714 launches per lane, per year. With Marina Del Rey boat launch ramp having 100,000 trailered boats launched annually for approximately eight launch lanes, that equates to 12,500 launches per lane, per year. The Davies launch ramp facility is likely not used to full capacity due to there being four other boat launch facilities in the Long Beach area and thus boaters dispersing throughout those facilities during the busy season. However, the proposed Redondo Beach facility would be the only boat launch ramp located in the South Bay, with the next closest launching location being the one in Marina Del Rey, which is approximately 9 miles away. Based on boat registration data analyzed above, the proposed BLF is anticipated to have approximately 9,646 launches per lane, per year, with a large portion of users coming directly from the South Bay area; this anticipated demand is comparable to current demand per lane at the neighboring facilities.

### 3.2.2. Anticipated Capacity

The proposed new Redondo Beach Boat Launch Facility is located in the South Coast region of California in a densely populated urban area in close proximity to prime fishing grounds, which include Catalina Island and Santa Monica Bay. Per DBW's 2021 "Layout and Design Guidelines for Boat Launching Facilities," 50 launches per day, per lane is assumed for the proposed boat ramp. During peak usage days, which is estimated to be 90 days of the year, a two-lane launch ramp would account for 9,000 launches per year.

On the remaining sub-peak usage days, less than half of peak usage, or only about 20 launches per day, per lane is estimated for the remaining 275 calendar days. This accounts for an additional 11,000 launches per year given a two-lane launch ramp. Taking both the peak usage days (9,000 launches) and sub-peak usage days (11,000 launches) into account, **total capacity for launches per year is estimated at up to 20,000.**

Taking the peak and sub-peak usage days and the respective anticipated number of launches per day, per lane into consideration, an **average of approximately 27 launches per day, per lane** can be anticipated for the proposed boat launch facility. For a two-lane boat launch ramp, this would equate to a cumulative average of approximately 54 launches per day for the facility. This average is found by taking the total capacity for launches per year, which is estimated to be 20,000, and dividing by 365 days in a year to get a per day count of approximately 54 launches; dividing by the number of anticipated lanes, two for the proposed facility, then equates to 27 launches per day, per lane.

### 3.2.3. Proposed Fees

Per the DBW "Boating Facilities Development and Financing Local Assistance Grant and Loan Application," there is a $13 fee limitation for Boat Launch Facilities for grantees. This $13 limit is for the combination of entrance, parking, launching, and any day use fees. Per Table 1-3 in Section 1.5, the range of fees for nearby BLF is from $7-$20 for day use of the facilities. The average maximum day use charge for the nearby facilities is $14 per day, and the average maximum day use charge for facilities within 30 miles of the proposed project site is $13 per day.

It is assumed that any boat using the BLF will only be launched once per day, and thus the $13 per day usage fee can be considered for each boat launch anticipated. For the anticipated capacity of 20,000 total launches per year for a two-lane boat launch ramp, $260,000 of revenue from facility usage fees per year would result. It is also likely that additional usage fee income would come from visitors parking at the facility but not launching a boat, whether they are using the facility for other reasons or joining another group on their boat. An assessment of the additional revenue generated from these sources is not included at this time.

### 3.2.4. Demand vs. Capacity and Recommendations

Given that the anticipated demand of 19,293 launches per year is just slightly lower than the anticipated capacity of 20,000 launches per year for a two-lane boat launch ramp, it is recommended this size and type of launch ramp is adequate for the market serviced, and would be beneficial to boat owners in the local Redondo Beach area as well as the overall market area surrounding the project site. While it is still anticipated that boat users will continue to go to other launch ramps in the area, the addition of a boat launch facility in Redondo Beach can help alleviate overall demand across the market and allow more boat owners to get out on the water.

Furthermore, historical data trends show that boater registrations are fairly consistent or even slightly lower within the market over the last 10 to 15 years. This would suggest that providing the two-lane launch ramp as recommended will still provide adequate user capacity into the future.

### 3.2.5. Layout Recommendations

A proposed layout for the recommended two-lane Redondo Beach Boat Launch Ramp can be seen in Figure 3-1. Using DBW's 2021 "Layout and Design Guidelines for Boat Launching Facilities," and local Measure C guidelines for a two-lane launch ramp it is anticipated a total of 60 vehicle/trailer parking stalls be provided to accommodate anticipated parking at the project site. An attempt has been made to indicate approximate locations of vehicle/trailer parking stalls. Refer to the "Mole D Public Boat Launch Transportation Impact and Parking Study" prepared by STC Traffic, Inc. for further parking discussions.

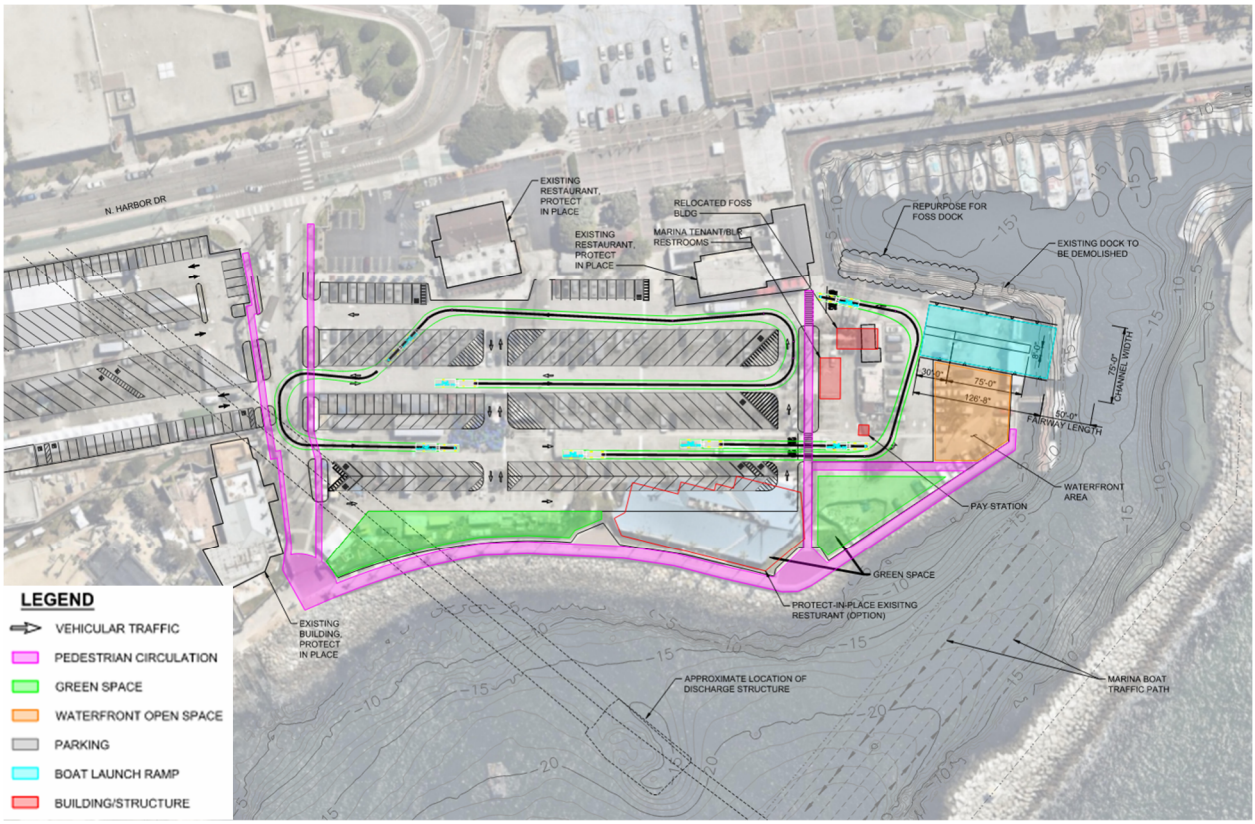



*Figure 3-1: Proposed Alternative Layout for Redondo Beach Boat Launch Ramp (ALT 1)*

## 4. Summary

Based on the findings conveyed in this report, there is demand in the market area for the addition of a two-lane launch ramp in King Harbor/Redondo Beach and by providing this proposed facility, more local boaters would be able to have easy access to the open ocean and nearby fishing waters on a regular basis. Boat registrations in the South Bay and overall market area show an increase in trailerable boats (those 40 ft and under) in recent years, and those registration numbers are expected to continue to rise. Based on analysis of those boat registration numbers, it is anticipated that South Bay boaters, or those in close proximity to Redondo Beach, would account for +/- 13,500 launches per year at the proposed launch

ramp, and an additional +/- 5,500 launches per year would likely come from boaters across Los Angeles and Ventura counties. Though, this anticipated demand is thought to be conservative for multiple reasons; one being it only assumes 25% of trailerable boats in the South Bay would use the proposed facility, assuming some may still prefer to go to their current launch facility, but it is anticipated that many boaters in the South Bay would actually prefer a closer launch ramp to avoid traveling through Southern California traffic. Another reason this demand number is thought to be conservative is that boaters regularly traveling from inland counties (San Bernadino and Riverside) to launch their boats out on the ocean are not accounted for.

While the anticipated demand is significantly higher than the current demand for the Redondo Beach Boat Hoist, there are several reasons why it is believed a new boat launch ramp facility in the same location would produce higher demand. The current launch facility is older and in poor condition and only allows for one boat to be launched at a time, already reducing the efficiency of the existing facility in half from the newly proposed facility. Furthermore, the weight/length limitations of the hoist result in a portion of trailerable vessels being unable to use the facility, which would not be a concern with a launch ramp. The boat hoist also requires an operator to be on site for use of the boat hoist and is not open outside the hours of 6am-7pm, and these hours could likely be expanded for a launch ramp since an onsite operator would not be a requirement. Lastly, the boat hoist launch fees are generally over double the fee that is anticipated for the boat ramp ($30 to $40 for boat hoist and $13 max for boat ramp), resulting in many local boaters currently traveling further away to save money. The City of Redondo Beach's amendment to their LCP further justifies that there is a need for a boat launch ramp in King Harbor and that it is supported by local boat owners and the City of Redondo Beach to allow for greater public access to the water and help alleviate demand at crowded launch ramps elsewhere in the market area.

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# MEMORANDUM

| | |
|---|---|
| **To:** | Dave Charobee; Katherine Buck – (City of Redondo Beach) |
| **From:** | Jerry Holcomb, PE – (Moffatt & Nichol) |
| **Date:** | May 8, 2025 |
| **Subject:** | Redondo Harbor Boat Launch Ramp – Coastal Criteria and Hazards Analysis |
| **M&N Job No.:** | 232677 |

# 1 Introduction

Local residents and community leaders have agreed upon the development of a public boat launch within King Harbor. King Harbor is in the City of Redondo Beach, CA, approximately 10 miles northwest of the Port of Los Angeles and Port of Long Beach (Figure 1). King Harbor accommodates three marina basins, named Basin 1, Basin 2 and Basin 3 from north to south. The proposed public boat launch locations (three alternative locations) are within the red box (shown in Figure 1) between the Seaside Lagoon rock groin and the entrance of Basin 3. The new public boat launch will allow access to the open ocean and provide recreational and commercial opportunities for community members.

This memorandum uses publicly available data, field collected data, and modelling results to: 1) provide coastal design criteria and environmental conditions within the Project site, 2) summarize coastal hazards at the Project site including future sea level rise (SLR), and recommend SLR adaptation measures.

*Figure 1. Project Location and Features.*

# 2 Metocean Conditions

## 2.1 Water Levels

### 2.1.1 Tides and tidal datum

The tides in Redondo Beach are semi-diurnal with pronounced diurnal inequalities (i.e., two high and low tides each within a 24.6-hour period with varying elevations); otherwise known as mixed tides. Water levels were taken from NOAA station 9410840 which is located off Santa Monica Pier, 13 miles north of the project site. This tide gauge has been recording tidal elevations since 1974. The tidal datums have been developed by the National Oceanic and Atmospheric Administration (NOAA) based on the 1983-2001 tidal epoch. The tidal datums at the Santa Monica Station are recommended to be used in this project and are presented in Table 1 below.

*Table 1. Tidal Datums at NOAA Tide Station 9410840, Santa Monica, CA.*

| Abbreviation | Description | Water Elevation (ft, MLLW) | Water Elevation (ft, NAVD88) |
|---|---|---|---|
| **HOWL** | Highest Observed Water Level | +8.50 | +8.31 |
| **HAT** | Highest Astronomical Tide | +7.27 | +7.08 |
| **MHHW** | Mean Higher High Water | +5.43 | +5.24 |
| **MHW** | Mean High Water | +4.69 | +4.50 |
| **MSL** | Mean Sea Level | +2.79 | +2.60 |
| **MLW** | Mean Low Water | +0.93 | +0.74 |
| **NAVD88** | North American Vertical Datum of 1988 | +0.19 | +0.00 |
| **MLLW** | Mean Lower Low Water | +0.00 | -0.19 |
| **LAT** | Lowest Astronomical Tide | -1.97 | -2.16 |
| **LOWL** | Lowest Observed Water Level | -2.84 | -3.03 |

### 2.1.2 SLR Probability & Timing

Sea level rise (SLR) science has evolved with a better understanding of both global and local physical processes. Future SLR projections are developed based on the current best scientific understanding of these processes using advanced global, regional, and local modeling techniques. The Ocean Protection Council (OPC) and California Coastal Commission (CCC) both published updated SLR guidance documents in 2024. Each report provides SLR scenarios and values for various coastal regions in California. The regional SLR projections for Santa Monica in CCC's *Sea Level Rise Policy Guidance: Interpretive Guidelines for Addressing Sea Level Rise in Local Coastal Programs and Coastal Development Permits* report (California Coastal Commission, 2024) was chosen to be used. The OPC's *State of California Sea Level Rise Guidance: 2024 Science & Policy Update* report provided SLR projections for the greater Los Angeles area (OPC, 2024). The difference in values for the selected SLR scenarios between the Santa Monica and Los Angeles Stations is 0.1 ft.

Sea level scenarios are offered in five different categories: Low, Intermediate-Low, Intermediate, Intermediate-High, and High. The selection of SLR scenario is dependent on the level of risk the community is willing to accept. Both OPC and CCC recommend evaluating Intermediate, Intermediate-High, and High scenarios for infrastructure projects.

#### *2.1.2.1 Selected SLR Scenarios*

A 50- and 75-year service life was considered when selecting the SLR scenario to be used for analysis within this study. The projected timing of evaluated SLR scenarios is presented in Table 2. As seen in the table, a range of time horizons is projected for each SLR value depending on the level of risk aversion. Projections are summarized according to the possible timelines of their occurrence as follows based on the 2024 CCC Guidance:

1. SLR of 1.7 ft (0.52 m) is representative of a time horizon range from 2050-2080.
2. SLR of 2.9 ft (0.88 m) is representative of a time horizon range from 2070-2100.

The 75-year service life was chosen for the analysis; 2.9 ft of SLR is predicted to occur by 2100 based on the Intermediate scenario.

*Table 2. Probability and Potential Timing Associated with Selected SLR Scenarios in Santa Monica (California Coastal Commission, 2024).*

| SLR Scenario Probability* | Intermediate 5 percent | Intermediate – High 0.1 percent | High <0.1 percent |
|---|---|---|---|
| **1.7 ft** | 2080 | 2060 - 2070 | 2050 - 2060 |
| **2.9 ft** | 2100 | 2080 | 2070 - 2080 |

Note: *Probability assuming 3°C of warming in 2100.

### 2.1.3 Extreme Water Levels

Extreme water levels for a range of return periods were published by NOAA on the Santa Monica tide gauge (Station 9410840). Table 3 Presents the extreme water levels based on Santa Monica tide gauge results to be used for the project. The values for the 1-year, 2-year, 10-year, and 100-year return periods were provided by NOAA while the remaining were interpreted from the annual exceedance probability curves shown in Figure 2 and Table 3.

*Table 3. Extreme Water Levels at Project Site.*

| Return Period | Stillwater Elevation (ft, MLLW) |
|---|---|
| 100-Year | 8.0 |
| 50-Year | 7.8 |
| 25-Year | 7.7 |
| 10-Year | 7.6 |
| 5-Year | 7.4 |
| 2-Year | 7.3 |
| 1-Year | 7.0 |

Note: The extreme water levels are based on NOAA Tide Gauge at Santa Monica.

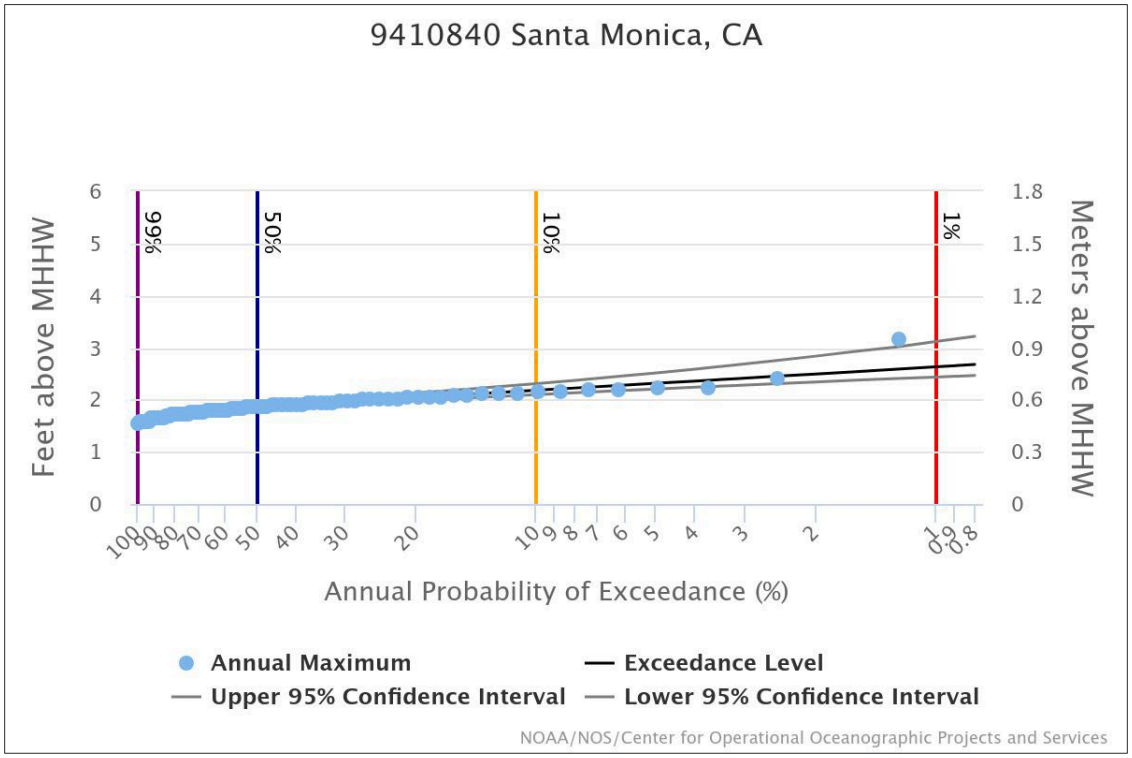



*Figure 2. Annual Exceedance Probability Curves - High Water Levels.*

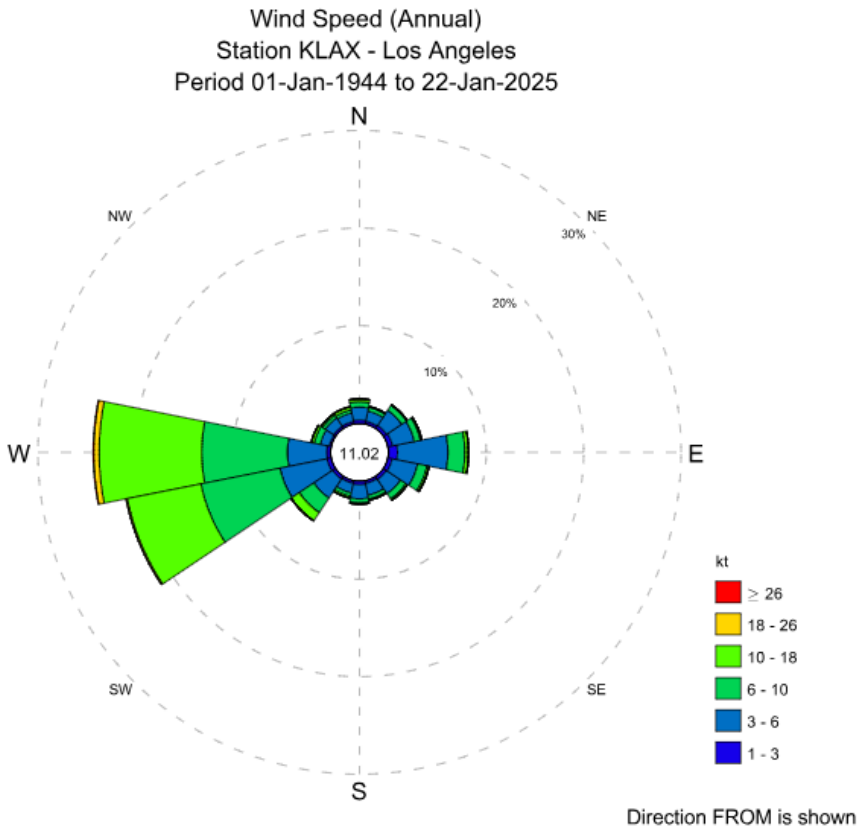
## 2.2 Currents

The currents during operational conditions are mainly driven by tidal flows. With the rise and fall of tides, the currents within the harbor change directions and are called flood and ebb currents. Wave-induced currents contribute to the currents at the boat launch ramps too. Extreme currents are likely to occur during tsunamis when long-period waves are caused by underwater disturbances such as earthquakes across deep ocean and inundating the coast.

## 2.3 Wind

### 2.3.1 Operational Wind Condition

Wind data was summarized from 80-year measurements (1944-2025) at Los Angeles International Airport which is located approximately 7 miles north of Kings Harbor. Los Angeles International Airport is the nearest airport that has wind measurements available for public use. Daily wind speeds were recorded as hourly, 2-minute wind speeds at a location 33 feet (10 meters) above the ground. The data was used to create a wind rose shown in Figure 3. Winds are dominant from the west to west-southwest direction and 60 percent of them are below 10 knots. The strong winds between 18 to 26 knots are coming from the west. Figure 3 also shows the percentage of occurrence for different wind directions and speeds.




**Percentage of Occurrence**

| Wind Speed, kt | N | NNE | NE | ENE | E | ESE | SE | SSE | S | SSW | SW | WSW | W | WNW | NW | NNW | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 2.50 | 1.81 | 2.88 | 3.50 | 8.19 | 4.28 | 2.92 | 1.99 | 2.30 | 1.79 | 5.45 | 21.43 | 24.33 | 2.05 | 1.76 | 1.79 | 88.98 |
| 26 | | | | | | | | | | | | 0.12 | 0.55 | | | | 0.82 |
| 18 | 0.28 | | | 0.12 | 0.37 | 0.21 | 0.17 | 0.11 | 0.11 | 0.18 | 1.01 | 7.72 | 10.53 | 0.28 | 0.15 | 0.30 | 21.67 |
| 10 | 0.55 | 0.40 | 0.62 | 0.65 | 1.74 | 0.99 | 0.66 | 0.40 | 0.42 | 0.37 | 1.80 | 8.27 | 8.80 | 0.65 | 0.35 | 0.33 | 27.00 |
| 6 | 1.31 | 1.06 | 1.85 | 2.27 | 5.17 | 2.66 | 1.75 | 1.23 | 1.45 | 1.00 | 2.32 | 4.92 | 4.02 | 0.94 | 1.03 | 0.89 | 33.88 |
| 3 | 0.33 | 0.25 | 0.34 | 0.45 | 0.90 | 0.42 | 0.33 | 0.25 | 0.33 | 0.24 | 0.31 | 0.40 | 0.38 | 0.17 | 0.22 | 0.23 | 5.55 |
| 1 | | | | | | | | | | | | | | | | | |

*Figure 3. Annual Wind Rose and Joint Probability Table From Los Angeles International Airport (1944-2025).*

### 2.3.2 Extreme Wind Condition

A statistical analysis was performed on the wind measurements taken from the Los Angeles International Airport to determine extreme wind conditions. The return period wind speeds were recorded within an 'all direction' category. The extreme wind return period distribution plot is shown in Figure 4 with a summary presented in Table 4.

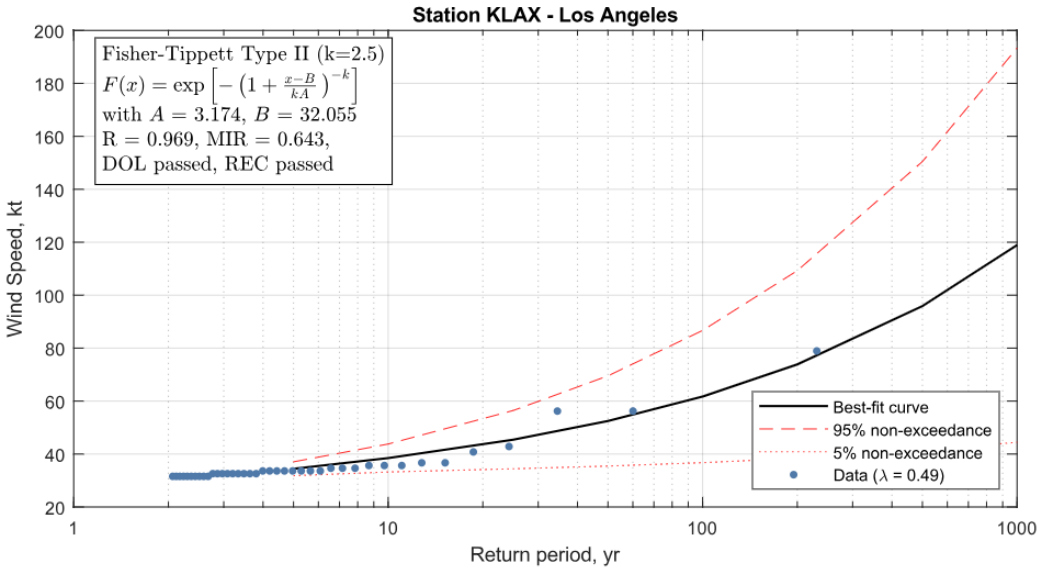



*Figure 4. Extreme Wind Return Period Distribution Plot at Los Angeles International Airport (1944-2025).*

*Table 4. Extreme Wind Speeds at Los Angeles International Airport (1944-2025).*

| Return Period | 2-min Wind Speed (knots) | 30-sec Wind Speed (knots) |
|---|---|---|
| 100-Year | 61.7 | 69.9 |
| 50-Year | 52.5 | 59.5 |
| 25-Year | 45.4 | 51.4 |
| 10-Year | 38.5 | 43.6 |
| 5-Year | 34.4 | 39.0 |
| 1-Year | 31.2 | 35.3 |

## 2.4 Offshore Waves

### 2.4.1 NDBC Buoy

NOAA's National Data Buoy Center (NDBC) deploys moored buoys that are used to collect meteorological and oceanic data. Buoy Station 46221 has collected offshore wave data from 2008 to the present day and is located approximately 14 miles offshore from the project site as seen in Figure 5. Figure 6 includes the wave rose at NDBC Station 46221. Waves are predominantly seen from the west and south-southwest directions. The significant wave heights of 1 percent, 10percent, and 50 percent exceedance are 8.4 ft, 4.9 ft and 3.1 ft, respectively. The joint probability table for significant wave height and peak wave period is presented in Figure 7. More than 44 percent of the waves have a peak wave period between 13 to 16 seconds. 6.3 percent of the waves have a peak wave period longer than 18 seconds. The longer the wave period, the more energetic the wave is.

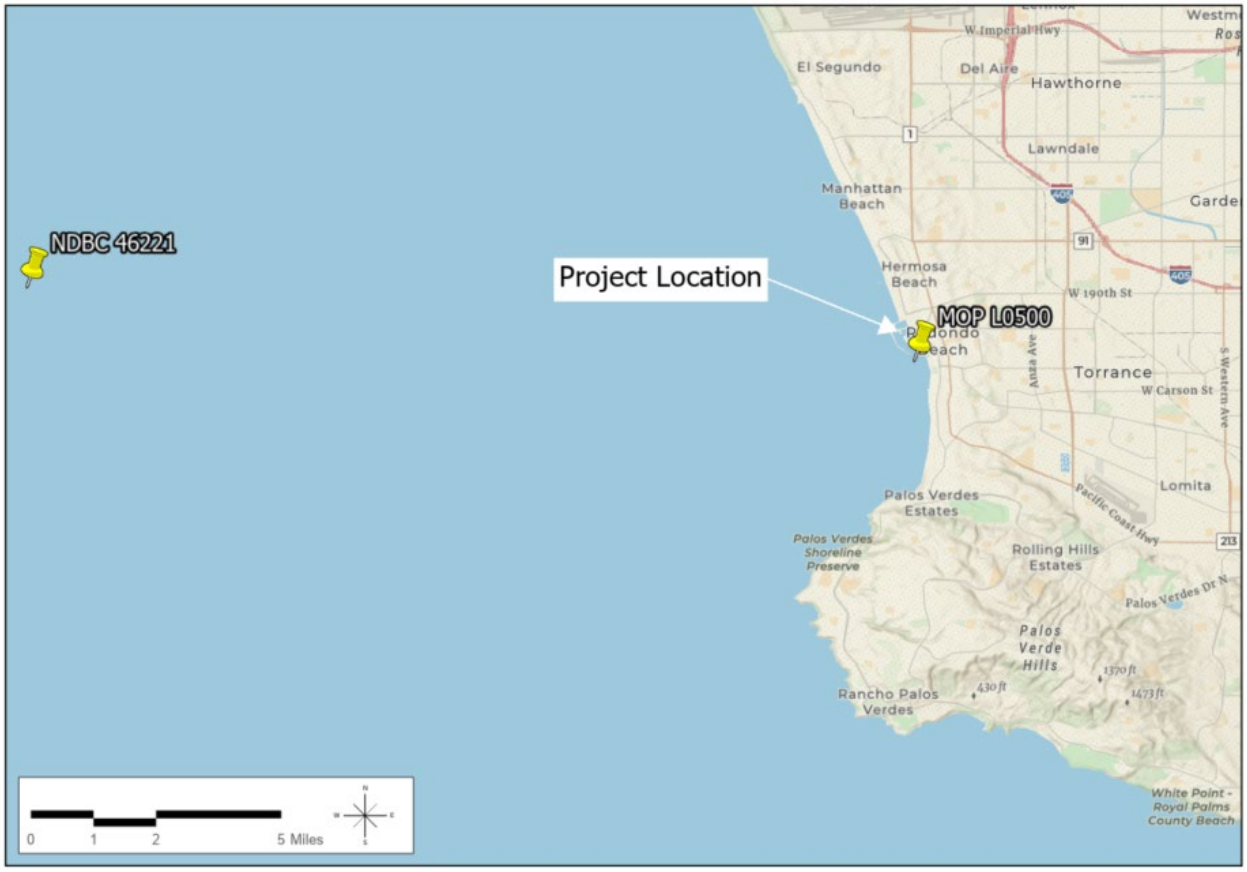



*Figure 5. Location of NDBC and L0500 Buoys Relative to Project.*

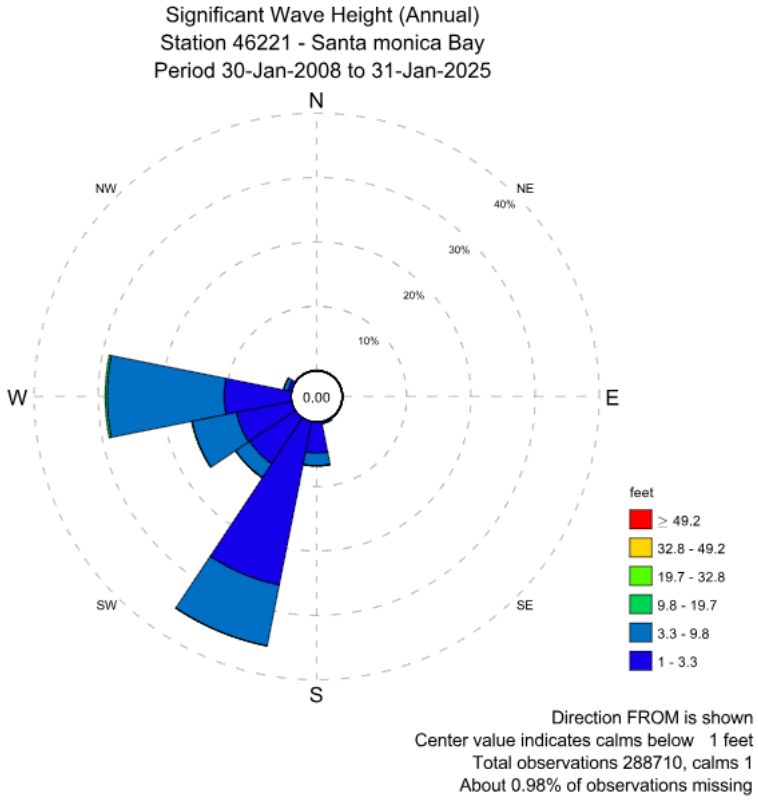



*Figure 6.Wave Rose Plot at NDBC Station 46221.*

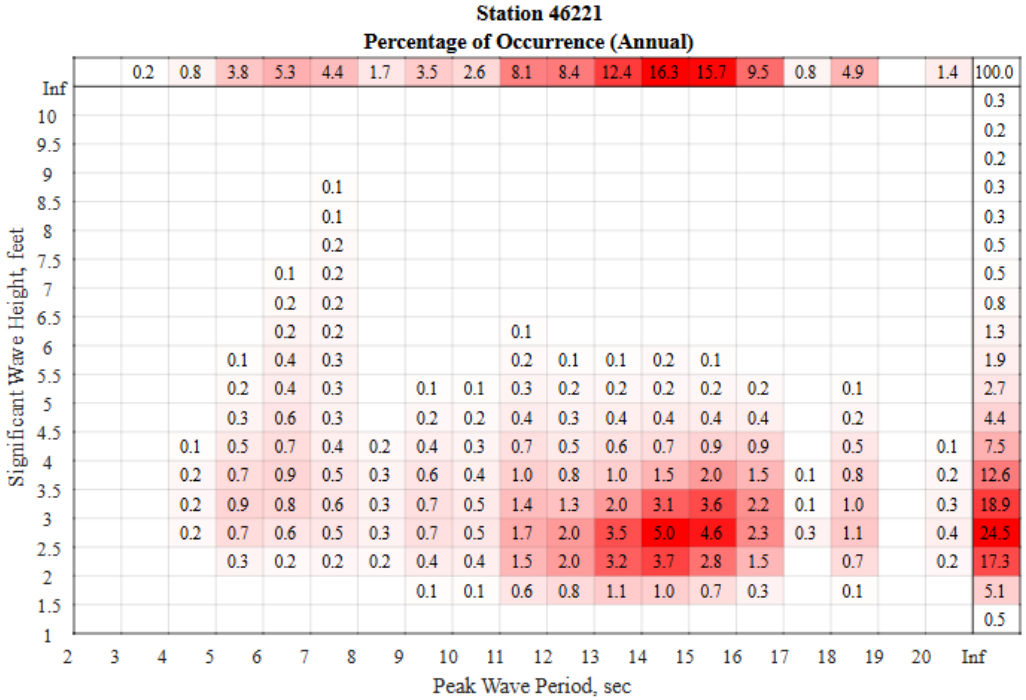



*Figure 7. Joint Probability of Wave Hight and Period at NDBC Station 46221.*

### 2.4.2 CDIP MOP L0500

The Coastal Data Information Program (CDIP) provides monitor-based wave hindcast and nowcast along the California coast, called the Monitoring and Prediction (MOP) system. The offshore wave conditions for modeling were developed based on wave data at Station L0500 from MOP from January 2000 to January 2025. Figure 5 presents the location of the MOP station, which is at the entrance of King Harbor with a depth of 33 feet (10 meters). Figure 8 includes the wave rose plot and joint probability table at Station L0500. The dominant waves at the entrance come from the southwest, perpendicular to the orientation of King Harbor's breakwater. More than 60 percent of the waves since 2000 at L0500 are less than 3.3 ft.

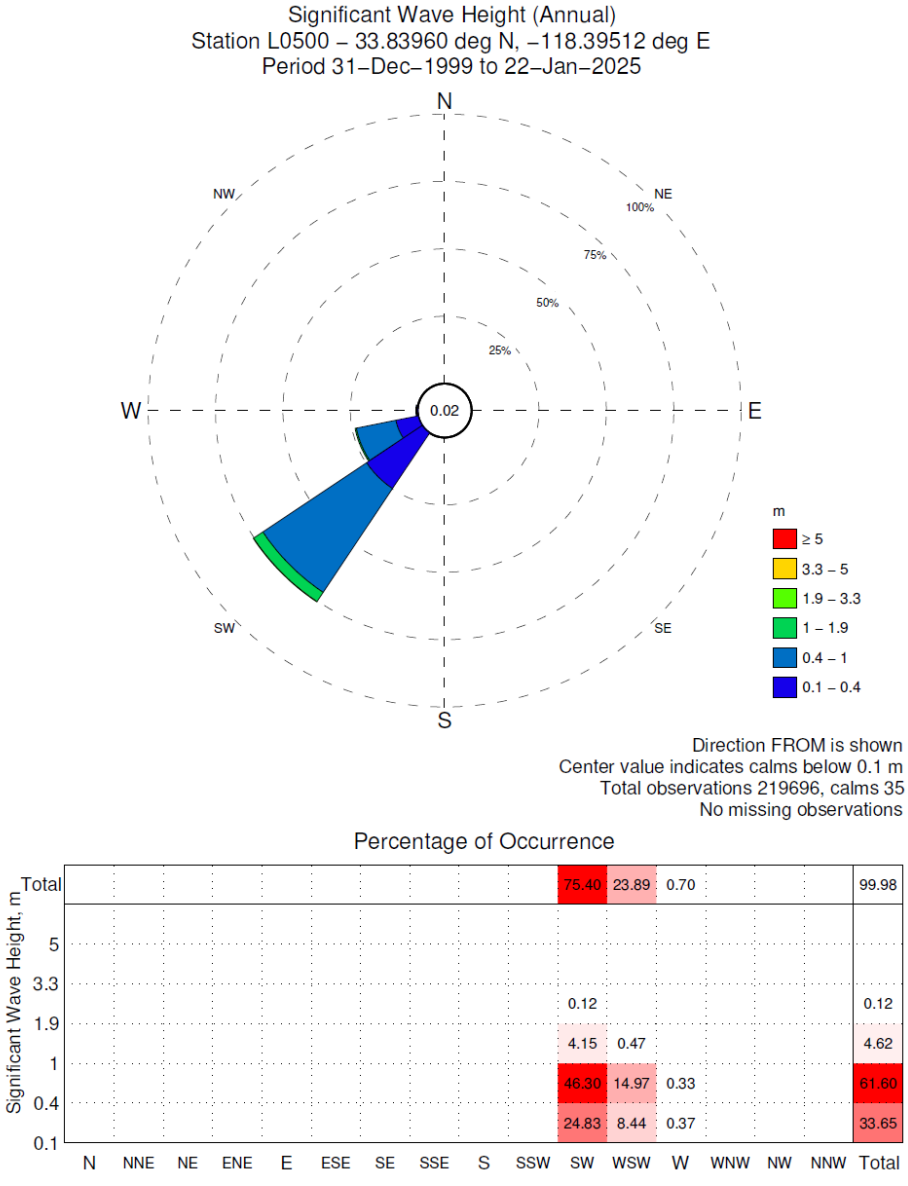



*Figure 8. Wave Rose and Joint Probability Table at MOP Station L0500.*

Historically, El Nino years in the 1980s had large wave events with elevated water levels and caused damage along the California coast. Therefore, additional wave events and high water level events obtained from FEMA's FIRM IDS studies[1] at the harbor entrance were added to the MOP data. An extreme value analysis of waves at the King Harbor entrance was conducted. The resulting extreme wave conditions by return periods are listed in Table 5. The associated peak wave periods are recommended as 16 to 18 seconds based on the measurements at the offshore NDBC buoy and gauges inside the harbor (see Section 2.4.1 and Section 3). These wave conditions were applied in the wave model as boundary conditions and discussed in Section 4.3.

*Table 5: Extreme Offshore Wave Conditions – at King Harbor Entrance.*

| Return Period (year) | Significant Wave Height (ft) | Peak Wave Period[1] (s) |
|---|---|---|
| 1 | 6.7 | 16 |
| 2 | 7.1 | 16 |
| 5 | 7.8 | 16 |
| 10 | 8.4 | 16 |
| 25 | 9.3 | 16 |
| 50 | 10.3 | 18 |
| 100 | 11.4 | 18 |

Note: [1] The peak wave periods were conservatively determined based on measurements at NDBC buoys and wave gauges in the harbor.

# 3 Wave Data Collection

Two RBR pressure gauges with wave measurement capabilities (RBR solo$^3$ D | wave16) were deployed on November 7$^{th}$, 2024 within King Harbor to capture the wave climate. The gauge locations can be seen in Figure 9. The gauges were attached to the center bar of PVC frames filled with sand that were gently lowered to rest on the seafloor. A picture of the PVC frame can be seen in Figure 10. Locations were selected to be representative of wave information across the area, based on their proximity to design alternatives.

[1] BakerAECOM (2015). FEMA Region IX California Coastal Analysis and Mapping Project Intermediate Data Submittal #3, Nearshore Hydraulics, LA County, California, Appendix 4.

*Figure 9. Locations of RBR Wave Gauges within King Harbor.*

*Figure 10. PVC Frame Used to Mount the RBR Wave Gauges.*

The wave gauges were set to collect burst measurements at a speed of 2 Hz for 512 samples, every 10 minutes. Data from the gauges were analyzed and presented below for the 2-month period (November 7th 2024 to January 10th, 2025) that they were deployed. Figure 11 and Figure 12 show significant wave height (feet) and peak wave period (seconds) plotted over time for Locations 1 & 2.

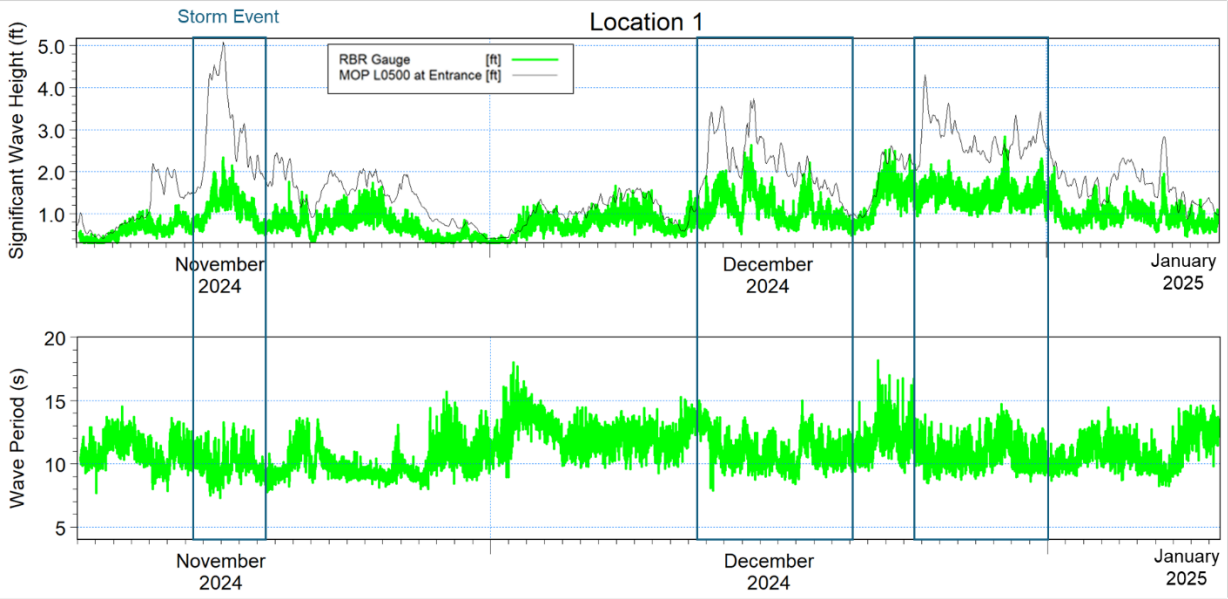



*Figure 11. Timeseries of Significant Wave Height and Significant Wave Period for Location 1.*

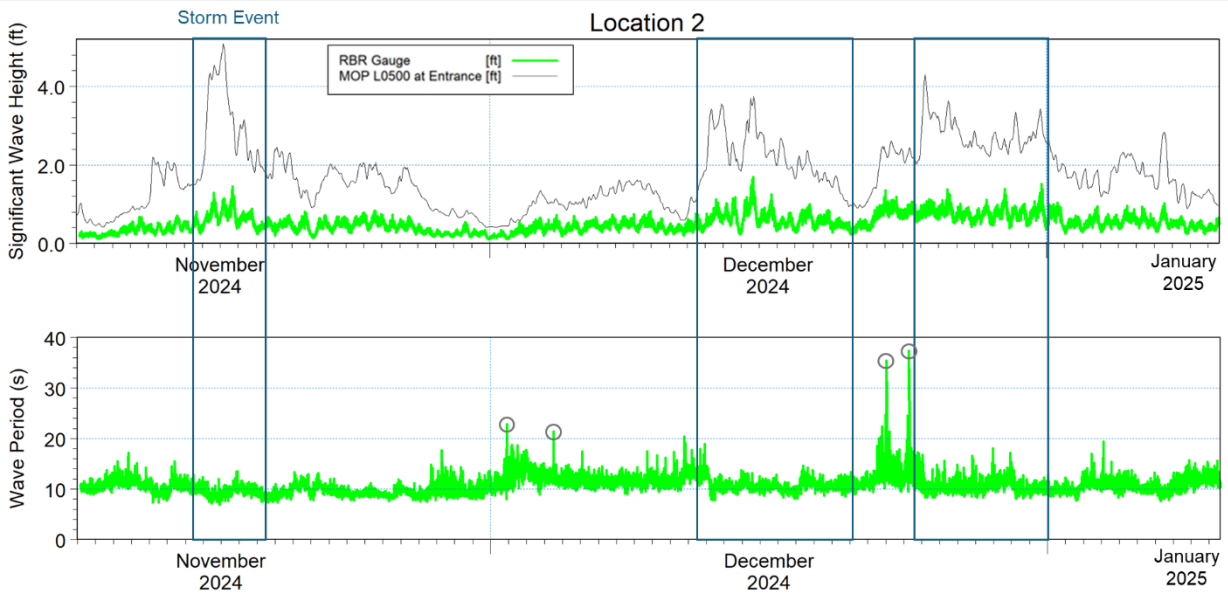



*Figure 12. Timeseries of Significant Wave Height and Significant Wave Period for Location 2.*

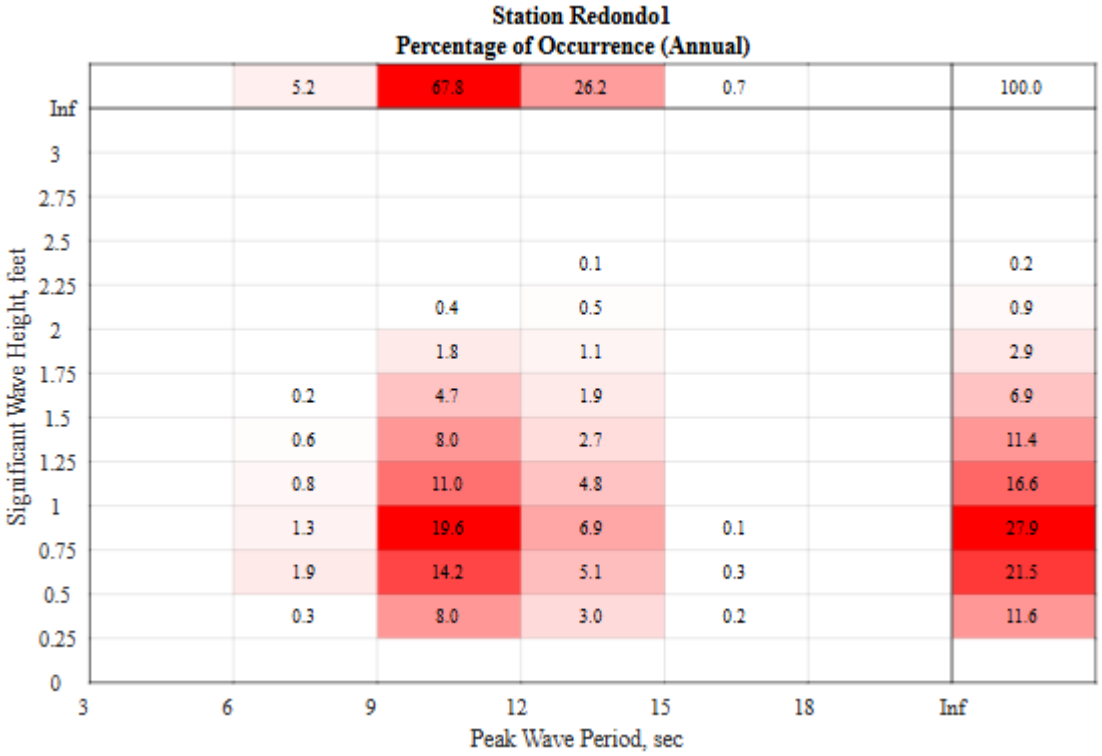



*Figure 13. Joint Probability Table for Location 1.*

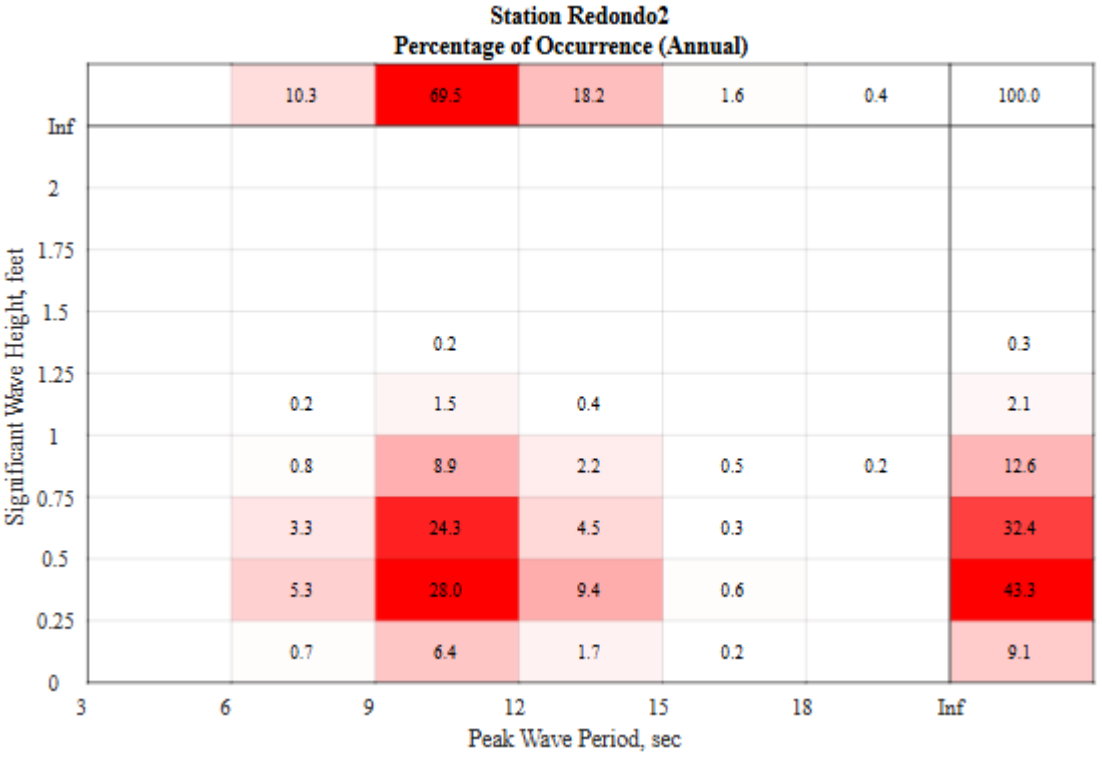



*Figure 14. Joint Probability Table for Location 2.*

The measured approximate 2-month data show that significant wave heights do not exceed 3 ft at Location 1 and 1.7 ft at Location 2. The significant wave period at Location 1 ranges from 7 seconds to 18 seconds, consistent with what has been seen at the offshore NDBC buoy. However, there are occurrences of wave periods longer than 20 seconds observed at Location 2, marked in grey circles in Figure 12. These long periods could be an indication of seiche problems within the harbor or data noise from instruments. Additional modeling in the future final design once a preferred alternative is chosen could help to identify whether potential seiche problems exist or not. Storm events captured by both gages are highlighted in blue boxes in Figure 11 and Figure 12. The MOP wave time series at the harbor entrance (L0500) are also plotted in these two figures. A good correlation between the MOP and RBR measurements is observed, especially during storm events. Figure 13 and Figure 14 summarize the joint probability of wave height and period for Locations 1 & 2. The most frequent wave period for both locations is between 9 to 12 seconds, with 68 percent to 70 percent of the waves, corresponding to the wind waves. The frequent swell wave periods are from 12 to 15 seconds, with 18 percent to 26 percent occurrence.

The data show that the wave heights at Location 1 were consistently higher than that recorded at Location 2. This is likely due to the gauges' proximity to the breakwater. The breakwater provides protection from offshore waves for Location 2. Small waves less than 1 ft are not of operational concern but waves greater than 2 ft will disrupt the operation.

# 4 Site-specific Wave Modeling

MIKE21 Wave model Flexible Mesh (FM) from Danmark Hydraulics Institute (DHI) was used to develop the wave conditions at the proposed boat launch sites. MIKE21 Wave FM is a newly released phase-resolving wave model formulated in the time domain. It replaces the traditional MIKE21 Boussinesq Wave (BW) model and can accurately model wave diffraction and refraction. MIKE21 Wave FM model solves the same governing equations as the MIKE21 BW model but uses unstructured flexible meshes that require less computational time.

The modeling approach of wave conditions at the boat launch sites can be summarized as the following:

- Develop operational and extreme wave conditions at the entrance of the harbor using as model input data
- Develop 2D MIKE21 Wave FM model for the Redondo King Harbor
- Calibrate the MIKE21 Wave FM model with measured waves
- Simulate the design and operational wave conditions with the calibrated wave model and provide waves at the boat ramps.

## 4.1 Model Mesh and Bathymetry

A flexible mesh with varied element sizes was developed for Redondo King Harbor. Figure 15 illustrates the model domain that covers the entire harbor. Bathymetry contours from the previous 2016 main channel dredging study were used to develop model bathymetry. The vertical datum is set to MLLW. The deepest point within the domain is at the harbor entrance, at an elevation of -42 ft MLLW. The three marina basins have depths between 10 to 20 ft below MLLW.

The flexible mesh has a resolution of 10 to 15 ft over the entire domain. Finer elements are applied in shallow areas with steep slopes.

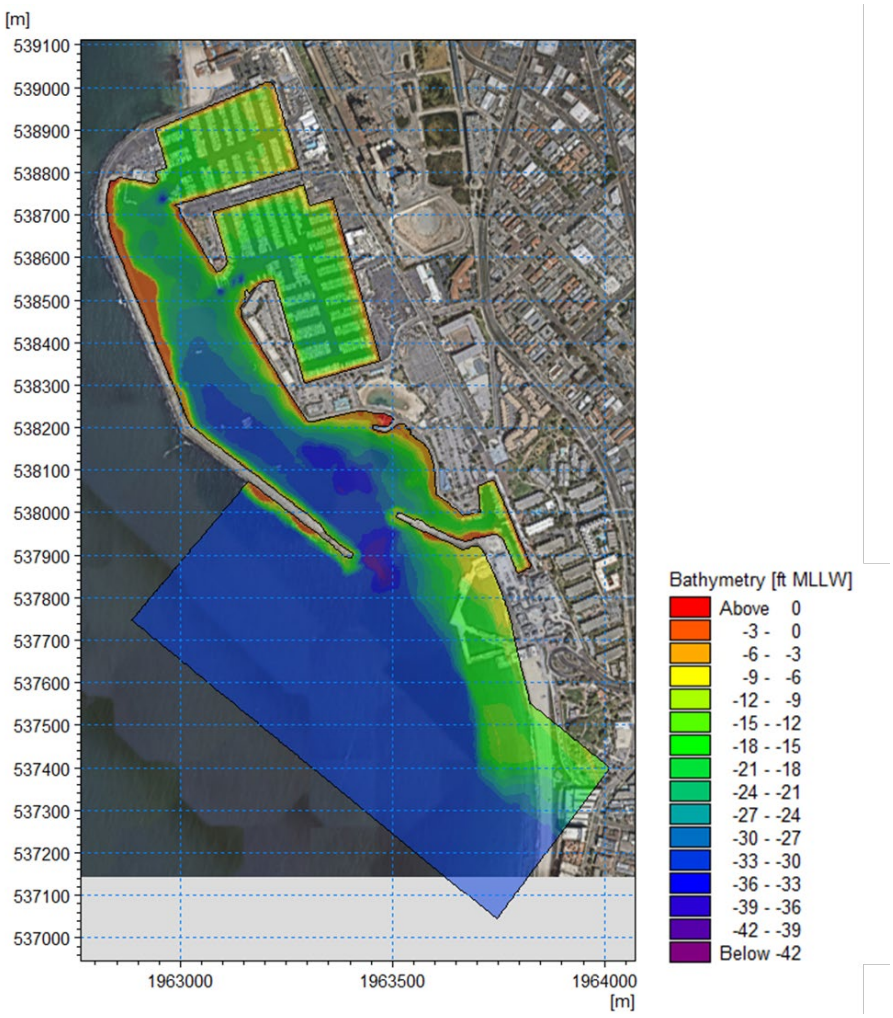



*Figure 15. Model Domain and Bathnymetry of the Existing Harbor.*

## 4.2 Model Calibration

Two RBR wave gauges were deployed inside the harbor measuring waves in the winter season. The measured waves discussed in Section 3 are used to calibrate and verify the MIKE21 wave FM model. The model calibration focused on three events captured during the deployment period, covering a wave period from 13.3 seconds to 7.1 seconds. These three events are within the three highlighted with blue box storm periods illustrated in Figure 11 and Figure 12. Such a range of wave periods covers both swell and wind wave events. However, this wave study is focused on swell waves with longer wave periods as it will control the boat ramp design. The wave direction at the entrance is from the southwest with very small variations.

During the model calibration, the porosity layers in the model were initially determined by the types of shoreline and then adjusted to achieve the best fit with the measured waves during these events. The porosity values within the harbor were set between 0.2 to 0.45 after model calibration. Table 6 summarizes the measured and modeled significant wave heights at the two wave gauges, named Location 1 and Location 2, respectively. The modeled wave heights in Event 1 and Event 2 match very well with the measured wave heights, showing less than 0.1 ft difference. The modeled waves are slightly higher than measured, indicating relatively conservative estimates. In Event 3, the model over-estimates

the wave height at Location 1 (Gauge “Pier”), and underestimates it at Location 2 (Gauge “Channel”). This is related to the missing winds in the model, as this is a wind-induced wave event with a 7-second period. Overall, the MIKE21 Wave FM model is deemed sufficiently accurate for computing swell waves within King Harbor.

*Table 6. Model Calibration Results at RBR Wave Gauges.*

| Parameter | Event 1 | Event 2 | Event 3 |
|---|---|---|---|
| Event Time (GMT) | 12/28/2024 11:00 AM | 11/17/2024 8:00 AM | 11/15/2024 6:00 PM |
| Offshore Sign. Wave Height [1] | 2.5 ft | 3.1 ft | 4.4 ft |
| Offshore Peak Wave Period | 13.3 s | 10 s | 7.1 s |
| Offshore Incoming Wave Direction (from) | 228°N | 227°N | 235°N |
| Stillwater Level | 3.6 ft MLLW | 5.7 ft MLLW | 4.4 ft MLLW |
| Measured Sign. Wave Height at RBR Location 1 | 1.08 ft | 1.33 ft | 1.25 ft |
| Modeled Sign. Wave Height at RBR Location 1 | 1.15 ft | 1.43 ft | 1.38 ft |
| Measured Sign. Wave Height at RBR Location 2 | 0.78 ft | 0.64 ft | 0.86 ft |
| Modeled Sign. Wave Height at RBR Location 2 | 0.85 ft | 0.67 ft | 0.46 ft |

Note: [1] Offshore wave conditions at the harbor entrance where MOP L0500 is located.

The model was also verified with USACE’s model study for Redondo Beach King Harbor improvements in 1990[2]. With an entrance wave of 11.5 ft, 15 seconds and Stillwater level at 7.0 ft MLLW, the study reported a maximum wave height of 4.3 ft at Gage 12. Figure 16 depicts the location of Gage 12 from USACE’s 1990 study. The MIKE21 Wave FM model simulated the same entrance wave conditions from the model boundary and compared the maximum wave height obtained at the RBR Location 2 (Gauge “Channel”) with that at Gage 12. The current MIKE21 model predicts a maximum wave height of 4.2ft at “Channel”, close to 4.3ft estimated at Gage 12 by USACE.

[2] Robert R. Bottin, Jr. and Rochard E. Kent. (1990) Redondo Beach King Harbor, California Development of Design Data for Harbor Improvements, Coastal Model Investigation, Final Report, USACE Technical Report CERC-90-6, May 1990.

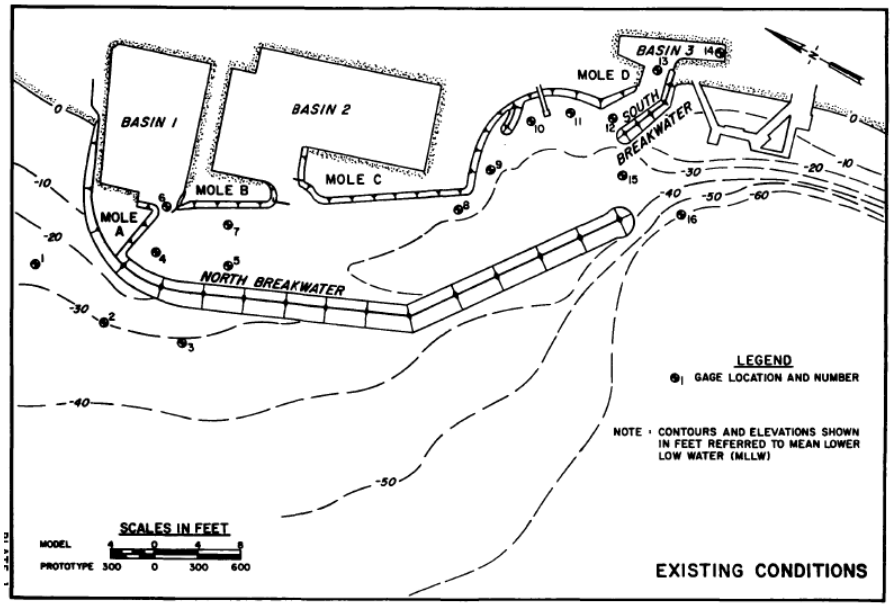



*Figure 16. Gage Location in USACE 1990 Study.*

## 4.3 Modeled Scenarios and Boundary Conditions

Three proposed alternatives named Alternative 1, Alternative 2 and Alternative 5 were studied. Figure 17 through Figure 19 present the boat launch ramp locations of these three alternatives. Alternative 1 has the boat launch ramp at the entrance of Basin 3 marina. Its location is the one furthest from the King Harbor entrance among the three, meaning the least wave disturbance. Alternative 2 is located in the harbor turning basin. Alternative 5 is close to the previously demolished sport fishing pier, south of the Seaside Lagoon rock groin. An L-shape sheet pile wall is proposed next to the boat launch in Alternative 5 to provide extra wave protection. This sheet pile wall was not included in the 2D wave model for this concept level modeling study.

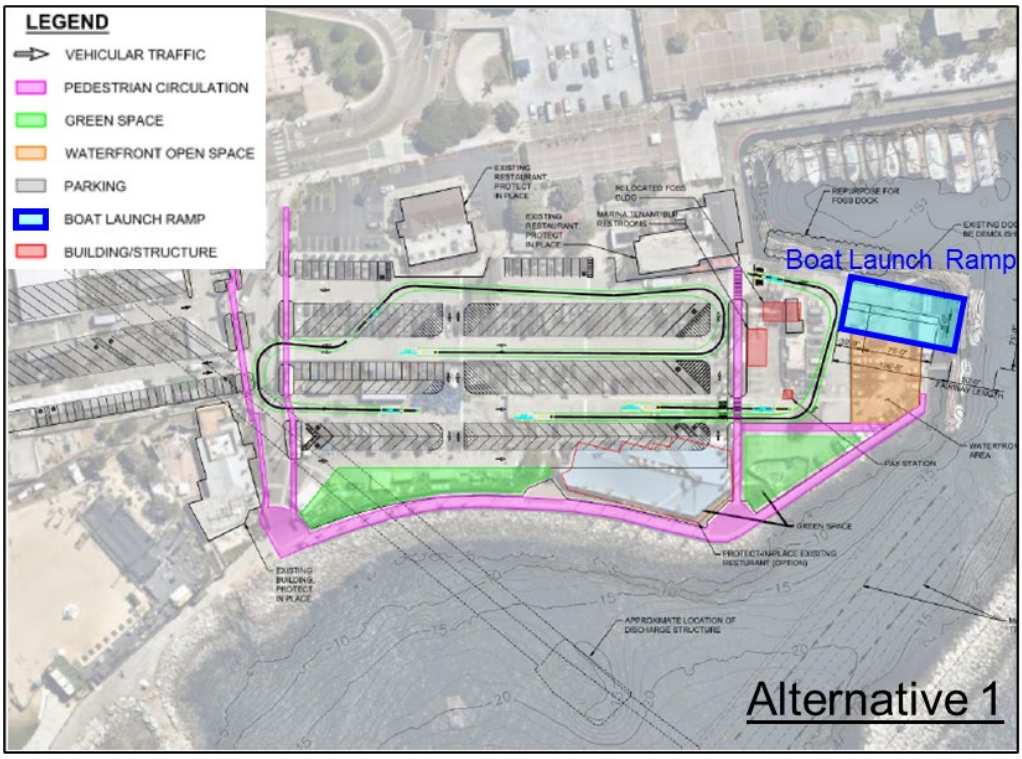



*Figure 17. Boat Launch Ramp Placement – Alternative 1 (dated December 18, 2024).*

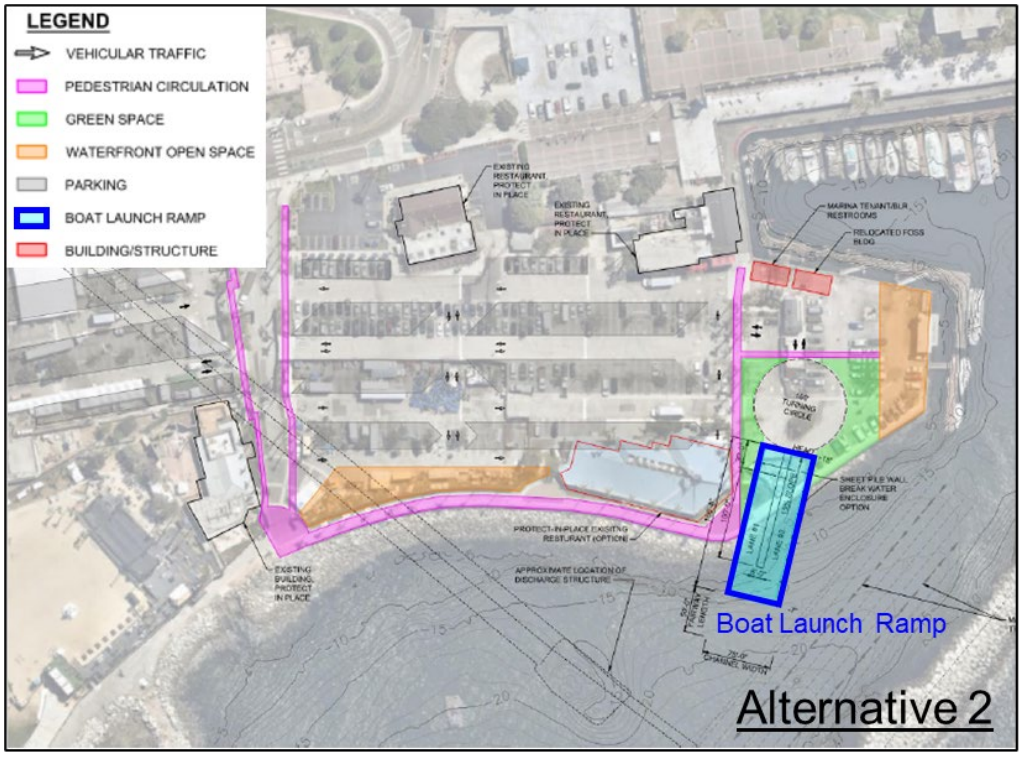



*Figure 18. Boat Launch Ramp Placement – Alternative 2 (dated December 18, 2024).*

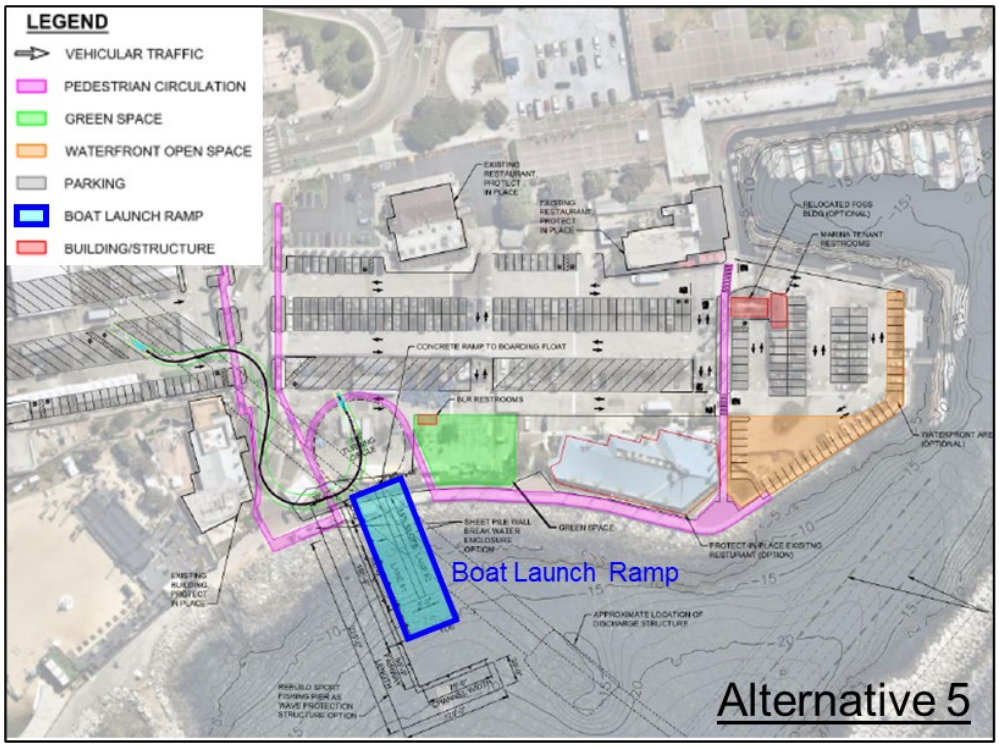



*Figure 19. Boat Launch Ramp Placement – Alternative 5 (Note: The graphic shows a rebuilt pier and potential sheet pile wall wave attenuator, but the wave modeling assumed no pier or wave attenuator) (dated December 18, 2024).*

To provide design waves and understand boat ramp operational limits, a series of model scenarios were conducted and listed in Table 7. The wave conditions applied at the boundary were developed based on Scripps' CDIP MOP database at Station L0500 at the King Harbor entrance. Peak wave periods of 16 and 18 seconds were used. Details on the offshore waves are discussed in Section 2.4. The 1-year extreme water level at the Santa Monica tide gauge was applied with the extreme waves under various return periods. A SLR condition was also modeled to address future coastal hazards. More discussions on coastal hazards are included in Section 5.

*Table 7. Model Scenarios and Boundary Conditions.*

| Purpose | Return periods | Stillwater Level | Wave Condition at Boundary[3] | |
|---|---|---|---|---|
| | | | Sign. Wave Height (ft) | Peak Wave Period (s) |
| Operation Conditions | 1-year | 7.0 ft MLLW[1] | 6.7 ft | 16 s |
| | 2-year | 7.0 ft MLLW | 7.1 ft | 16 s |
| | 5-year | 7.0 ft MLLW | 7.8 ft | 16 s |
| | 10-year | 7.0 ft MLLW | 8.4 ft | 16 s |
| | 25-year | 7.0 ft MLLW | 9.3 ft | 16 s |
| | 50-year | 7.0 ft MLLW | 10.3 ft | 18 s |
| Design Wave Conditions; Coastal Hazard Analysis | 100-year | 7.0 ft MLLW | 11.4 ft | 18 s |
| | 100-year | 9.9 ft MLLW[2] | 11.4 ft | 18 s |

Note:

[1] 1-year extreme Stillwater level based on NOAA tide gauge at Santa Monica (ID 9410840).

[2] 1-year Stillwater level with +2.9 ft SLR by 2080 (see discussion in Section 2.1.2).

[3] The mean wave direction at the boundary for all scenarios was set to 230°N, based on MOP L0500 data.

## 4.4 Model Results

As shown in Figure 20, four output locations were selected to extract modeled waves at the proposed boat launch ramps. Their associated depths are also included in Figure 20. Note that two locations are selected for Alternative 5. Alt5-1 is at the boat launch ramp and assumes no sheet pile wall. Alt5-2 is at the seaward side of the potential sheet pile wall.

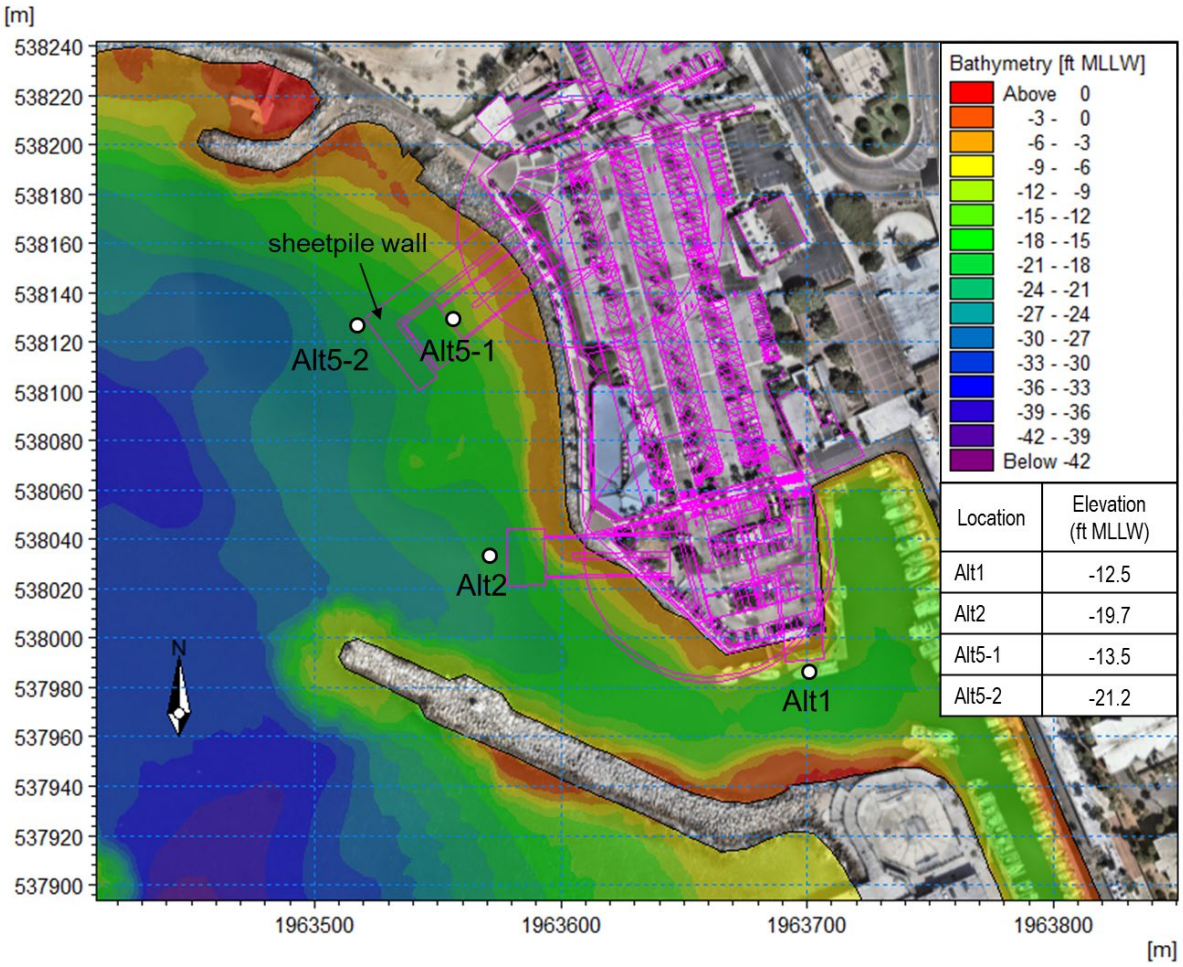



*Figure 20. Extraction Locations for Three Alternatives (Note: Although rebuilt pier and sheet pile wall are shown in this graphic at the Alternative 5 location, the pier and wave attenuator were not included in the wave modeling).*

### 4.4.1 100-year Design Waves

The modeled 100-year wave conditions at the four output locations are listed in Table 8. With 2.9 ft SLR, the predicted 100-year significant wave heights at these locations are generally 0.1 to 0.3 ft higher than the ones without SLR. Alternative 1 has the smallest waves among the three alternatives as it is most sheltered from the harbor entrance. The 100-year significant wave height at Alt1 is 2.3 ft with current sea level and reaches 2.5 ft with 2.9 ft SLR. Alt5-2 shows the highest waves among the four locations, reaching 4 ft without SLR and 4.3 ft with 2.9 ft SLR. Waves at Alt5-1 will be much lower than modeled if the location is protected by the proposed sheet pile.

*Table 8: 100-year Waves at Boat Launch Ramp.*

| Scenario | Significant Wave Height [1] (ft) | | | | Peak Wave Period (s) |
|---|---|---|---|---|---|
| | Alt1 | Alt2 | Alt5-1 | Alt5-2 | |
| **100-year Wave, 1-year Water Level** | 2.3 | 2.7 | 3.5 | 4.0 | 18 |
| **100yr Waves, 1-year Water Level with SLR by 2080** | 2.5 | 3.0 | 3.6 | 4.3 | 18 |

Note: [1] The wave height locations are shown in Figure 20.

### 4.4.2 Operational Wave Conditions

Wave events with shorter return periods were simulated to understand the potential limits for boat ramp operations. Table 9 tabulates the modeled wave conditions at the four boat ramp extraction locations under wave height of 1-year, 2-year, 5-year, 10-year, 25-year, 50-year and 100-year return periods. All modeling runs assumed a 16 second wave period. Note that the results listed in Table 9 do not include SLR impact.

Using a 2-ft significant wave height as an operation criterion at the boat launch ramp, Alternative 1 will experience unfavorable wave heights exceeding 2 ft under a return period of 50 years or longer. Alternative 2 will exceed this operational criterion under a return period of 25 years or longer. Alternative 5 will have more frequent downtime, as the 1-year wave height is already 1.9 ft at Alt5-1 and 2.3 ft at Alt5-2. The results of Alternative 5 also support the recommendation of adding a sheet pile wall structure at the boat ramp to provide wave protection.

*Table 9. Wave Conditions at Boat Launch Ramp by Return Periods.*

| Return Period (yr) | Significant Wave Height (ft) | | | |
|---|---|---|---|---|
| | Alt1 | Alt2 | Alt5-1 | Alt5-2 |
| 1 | 1.2 | 1.5 | 1.9 | 2.3 |
| 2 | 1.3 | 1.6 | 2.0 | 2.4 |
| 5 | 1.4 | 1.7 | 2.2 | 2.6 |
| 10 | 1.5 | 1.8 | 2.4 | 2.9 |
| 25 | 1.9 | 2.2 | 2.9 | 3.4 |
| 50 | 2.1 | 2.5 | 3.2 | 3.8 |
| 100 | 2.3 | 2.7 | 3.5 | 4.0 |

# 5 Coastal Hazards Analysis

## 5.1 Shoreline Erosion Hazards

The existing shoreline at the project site, as shown in Figure 21, has engineered shore protection structures such as a seawall, bulkhead and rock revetment along the majority of its perimeter. There is no existing sandy shoreline that can experience erosion; therefore, shoreline erosion is not applicable and is not considered a hazard in this analysis.

*Figure 21. Project site seawall (A and B) and bulkhead (C) from different views (photos taken in fall of 2024)*

## 5.2 Flood Hazards

Flood hazards at the site (flooding of the areas surrounding the launch ramp) may be caused by high still water levels (SWL) and/or wave runup (Figure 22). SWLs fluctuate with tidal variability, storm surge, and changes in mean sea level. Elevated SWLs typically cause inundation over the course of hours or longer. Wave runup, on the other hand, is generated by waves above the SWL acting on the shoreline or coastal structures and typically causes intermittent flooding over the course of minutes. Note that wave runup typically reaches much higher elevations than the SWL, as the forward momentum associated with the wave propels water up and onshore into the project site, i.e. up the launch ramp.

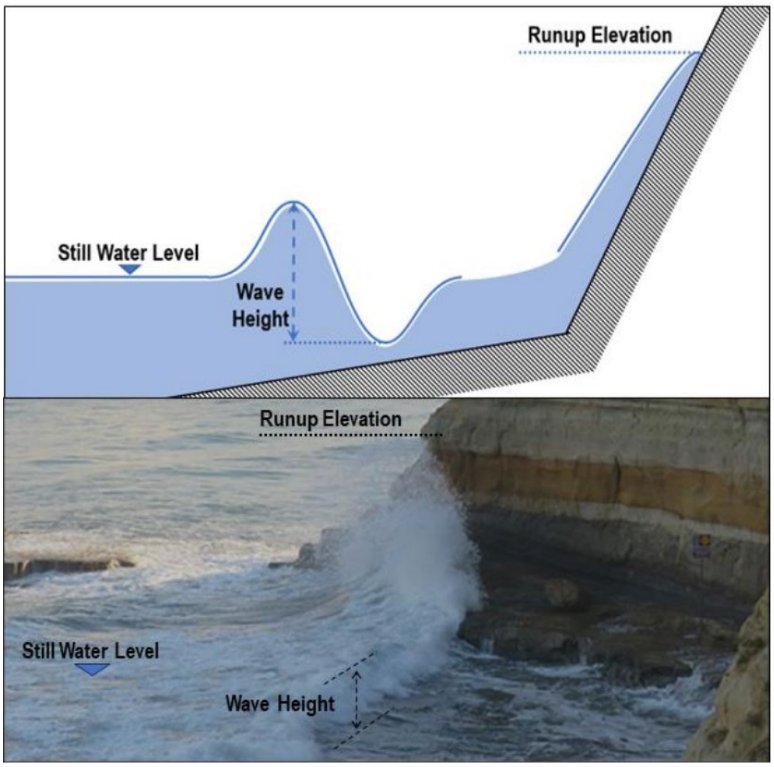



*Figure 22. Flood Hazard Definitions.*

### 5.2.1 Still Water Flooding

SWL can be defined as the water surface elevation in the absence of local variation due to waves, at present and projected SLR conditions. For the latter, we used a SLR of 2.9 ft, which is associated with the intermediate-high scenario, with a 0.1 percent exceedance probability, in 2080 (see section 2.1.2.1). Table 3 shows the range of present SWLs at the project site for different return periods.

The 100-year return period SWL, anomalous high-water conditions caused by atmospheric patterns (such as El Niño) and/or astronomical components, i.e., the present SWL of 8.0 ft MLLW compares relatively well to the historical highest observed water level at 8.5 ft MLLW. Extreme 100-yr SWLs at the project site are +8.0 and +10.9 ft MLLW under Present and 2080 SLR conditions, respectively.

Based on the 2016 USGS LiDAR (Dewberry, 2016) shown in Figure 23 (no other current topographic survey data was available for this analysis), the ground elevations within the project shoreline range from approximately +9 to +13 ft MLLW. Based on the Mole D Splash Wall record drawings (DMJM, 1990), the top of seawall (TOSW) is at +17 ft MLLW, and its top of footing (TOF) is at +12.5 ft MLLW. Therefore, under the Present and 2080 sea levels, the seawall footing does not flood under the 100-year SWL. The

backlands of Alternatives 2 and 5, with top of ramp elevations of +18 ft MLLW, and Alternative 1, with top of ramp of +12 ft MLLW, would also not flood with these extreme 100-yr SWLs for Present or 2080 SWLs. However, it is worth noting there is an opening in the existing seawall at the location of Alternative 5, and the seawall does not extend to the Alternative 1 location where the ground elevation is at approximately +9.5 ft MLLW.

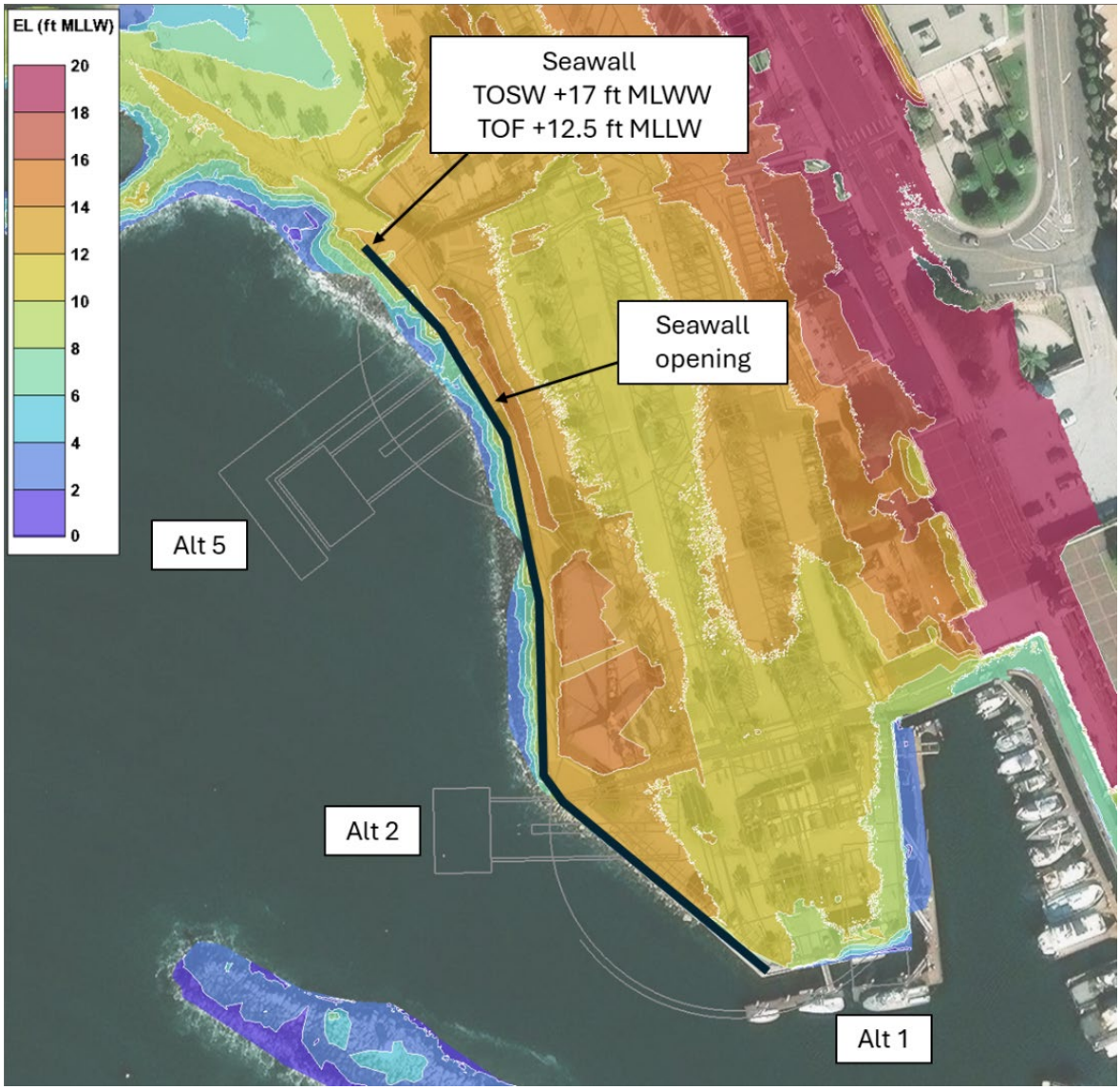



*Figure 23. Existing Surface Elevation at the Project Site. Based on USGS LiDAR (2016), alternatives 1, 2, and 5 shown in grey, and approximate seawall extents shown in black.*

### 5.2.2 Total Water Level Flooding

Total Water Level (TWL) is defined as the water elevation that results from the combination of the SWL, wave setup, and wave-induced runup. This section analyzes the results of present and future TWL flooding predictions from three separate sources: (1) USGS CoSMoS, (2) FEMA FIRM, and (3) Moffatt & Nichol (M&N) wave runup analysis.

#### *5.2.2.1 USGS CoSMoS*

CoSMoS (USGS, 2021) has the capability to map detailed predictions of coastal flooding based on existing and future climate scenarios for Southern California (Barnard, 2018). The modeling system incorporates state-of-the-art physical process models to enable the prediction of currents, wave height, wave runup, and total water levels. Coastal flooding predictions simulate the effects of erosion, wave runup, and overtopping during storm events. Flooding extents are calculated and mapped at profiles spaced about 330 ft apart along the shoreline.

The projected water levels used in the flood mapping consider future shoreline changes, tides, sea level anomalies such as El Niño, storm surge, and SLR. Future wave conditions used in the model are based on forecasted conditions out to the year 2100. Future storm event scenarios for typical conditions, 1-, 20-, and 100-year return periods are available for SLR scenarios from 0 to 6.6 ft. The CoSMoS SLR scenario closest to the 2.9 ft previously described in sections 5.2.1 and 2.1.2.1 is 3.3 ft; see Figure 24.

The CoSMoS data shows the TWL not reaching the project site under the present SLR, and in agreement with the 100-year SWL no flood condition, because it can be inferred that the present 100-year wave runup does not reach the existing ground elevations. However, a significant portion of the parking lot in the southern end of the project by Alternative 1 is projected to be affected in 2080 by wave runup since the seawall does not extend this location; Alternatives 2 and 5 are protected from 2080 runup because of the existing seawall.

#### *5.2.2.2 FEMA FIRMs*

The National Flood Hazard Layer (NFHL) is a geospatial database that contains current effective flood hazard data. The FEMA Flood Insurance Rate Maps (FIRM) provide the 100-yr Base Flood Elevations (BFE), which include 100-year wave runup elevations for present-day (only) sea levels at coastal locations based on calculations at discrete analysis transects.

The FIRM at the project site is shown in Figure 25. Two separate flood zones, delimited by the jetty, can be observed at the project site:

- Zone VE at EL +21 NAVD88: No flooding of the project area (including Alternative 5 location) because the existing seawall and its curvature may prevent wave uprush from reaching the area.
- Zone AE EL +8 NAVD88: No flooding of the project area because waves are presumed to not penetrate into this zone, including Alternatives 2 and 5 locations, i.e. no wave uprush is included in the FEMA analysis. However, M&N wave monitoring and modeling results do indicate wave presence in this zone.

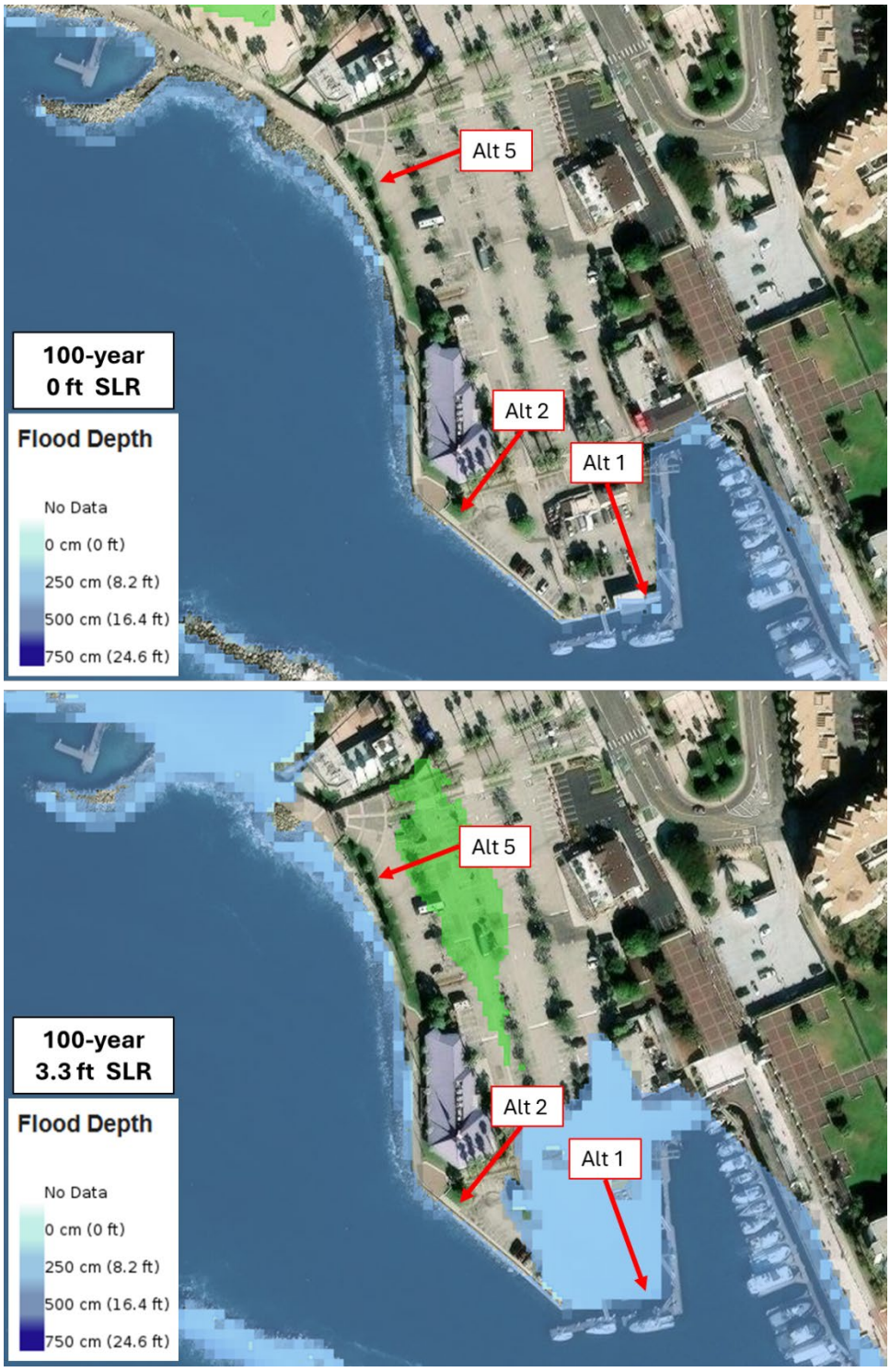



*Figure 24. CoSMoS 100-yr-event Flooding Extents Under Existing Conditions (no SLR) (top) and 3.3 ft of SLR (bottom).*

*Figure 25. FEMA FIRM at Project Site (City of Redondo Beach).*

### *5.2.2.3 M&N Wave Runup Analysis*

M&N conducted a wave runup analysis following the methods described by (FEMA, 2005) where the TWL was calculated using the Technical Advisory Committee for Water Retaining Structures approach, known as TAW.

To determine a conservative estimate of the maximum extent of present and future flood hazards from SLR and storm-related flooding, the extreme storm criteria employed in this M&N analysis consisted of the following environmental conditions:

- 100-year-return waves (wave height and wave period)
- 1-year SWL and present-day sea level conditions
- 1-year SWL and 2.9 ft of future SLR

The geometry assumed for each alternative is shown in Table 10 and the runup results are shown in Table 11. The wave runup results for Alternatives 1, 2, and 5, under future SLR exceed the proposed top of ramp elevations, i.e. water will run up to the top (landward) edge of the ramp under the 100-year-return wave conditions. For present sea level, wave runup for Alternatives 1 and 2 does not exceed the top of ramp elevations, but does for Alternative 5 .

*Table 10. Boat Launch Ramp Design Geometry Used in Wave Runup Calculations.*

| Design Parameter | Alt 1 | Alt 2 | Alt 5 |
|---|---|---|---|
| **Top of Ramp Elevation (ft MLLW)** | +12 | +18 | +18 |
| **Bottom of Ramp Elevation (ft MLLW)** | -7* | -7* | -7* |
| **Existing Bottom Elevation (ft MLLW)** | -9.5* | -16* | -16* |
| **Ramp Slope (percent)** | 15 | 15 | 15 |
| **Notes** | Wave direction is at an angle to the ramp | Wave direction is at an angle to the ramp | Wave direction is parallel to the ramp |
| *** For both alternatives, the existing harbor bottom is deeper than the proposed bottom of ramp, indicating the need for a transition structure at the bottom of the ramp.** | | | |

*Table 11. Wave Runup Results under 100-year waves and 1-year SWL, with and without SLR.*

| | Alt 1, 0 ft SLR | Alt 1, 2.9 ft SLR | Alt 2, 0 ft SLR | Alt 2, 2.9 ft SLR | Alt 5, 0 ft SLR | Alt 5, 2.9 ft SLR |
|---|---|---|---|---|---|---|
| **SWL (ft MLLW)** | 7 | 9.9 | 7 | 9.9 | 7 | 9.9 |
| **Hs (ft)** | 2.3 | 2.5 | 2.7 | 3.0 | 3.5 | 3.6 |
| **Tp (sec)** | 18 | 18 | 18 | 18 | 18 | 18 |
| **TWL, Runup Elevation (ft MLLW)** | 11.8 | 15.1 | 16.1 | 20.0 | 19.0 | 22.2 |
| **Top of Ramp** | 12 | 12 | 18 | 18 | 18 | 18 |
| **Overtopping occurs?** | No | Yes | No | Yes | Yes | Yes |

When comparing the wave runup results for the different alternatives, given the same SLR and wave period, the bigger wave height and parallel alignment of the wave direction and boat ramp lead to a larger runup for Alternative 5. To illustrate the results with the proposed geometry, cross-sections have been plotted in Figure 26, Figure 27, and Figure 28, leading to the following observations:

- Alternative 1:
    - More sheltered to waves, resulting in no overtopping of the ramp under the present 100-year wave event;
    - Need for operational restrictions for both current and future SLR under extreme wave conditions but less frequently than for Alternatives 2 and 5; and
    - Under 2080 SLR (+2.9 ft), wave runup exceeds the top of ramp indicating the need for adaptation measures such as raising the top of the ramp in the future.

- Alternative 2:
    - More exposed to waves coming through the harbor entrance than for Alternative 1, but lower waves than at the Alternative 5 location, with no overtopping of the ramp under the present 100-year-return wave event;
    - Need for operational restrictions for both current and future SLR under extreme wave conditions but less frequently than for Alternative 5; and
    - Under both present and 2080 (+2.9 ft) SLR conditions, the wave runup exceeds the top of ramp which results in the need for measures such as:
        - Installing an in-water sheet pile wall seaward of the ramp to reduce the wave size/wave penetration. A sheet pile has not been included in the numerical model, but it is assumed that it will minimize wave penetration and therefore significantly lower wave runup. With future SWL of 9.9 ft MLLW; the top of ramp could be lowered from +18 to +12 ft MLLW to accommodate future SLR SWL flooding and a small amount of wave runup. However, the Alternative 2 location with a top ramp at +12 ft MLLW would make an opening in the seawall making the backland area more vulnerable to flooding.
- Alternative 5:
    - Need for operational restrictions for both current and future SLR under specific wave conditions; and
    - Under both present and 2080 SLR conditions, the wave runup exceeds the top of ramp which results in the need for measures similar to Alternative 2.

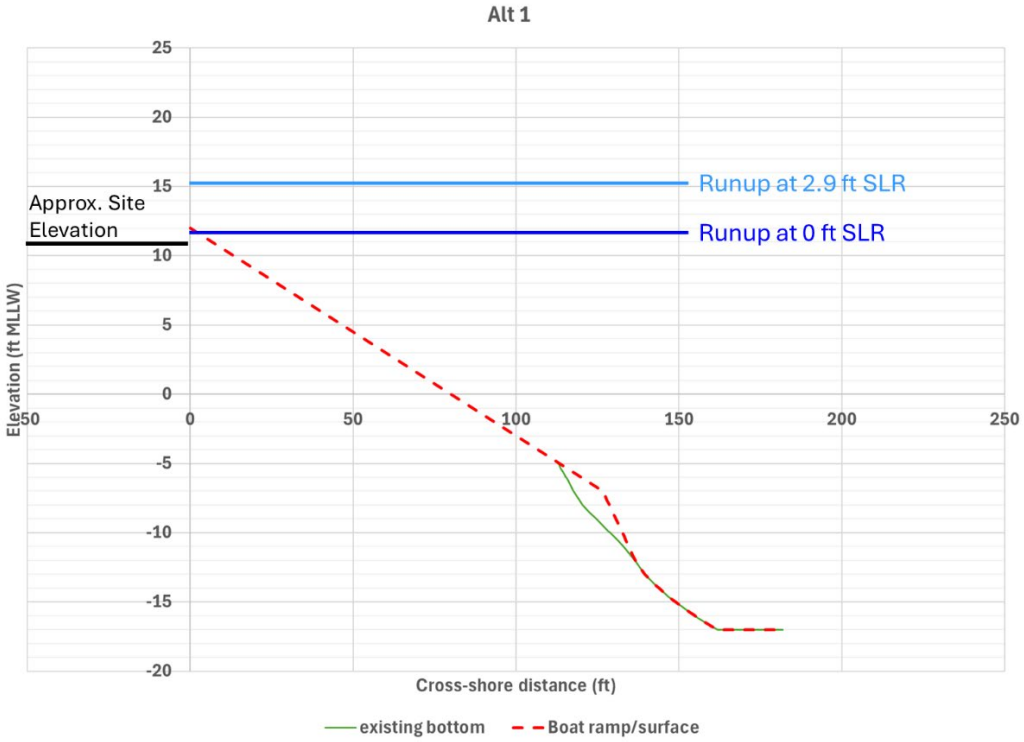



*Figure 26. Alternative 1 Preliminary Boat Ramp Design Cross-section with Wave Runup Results.*

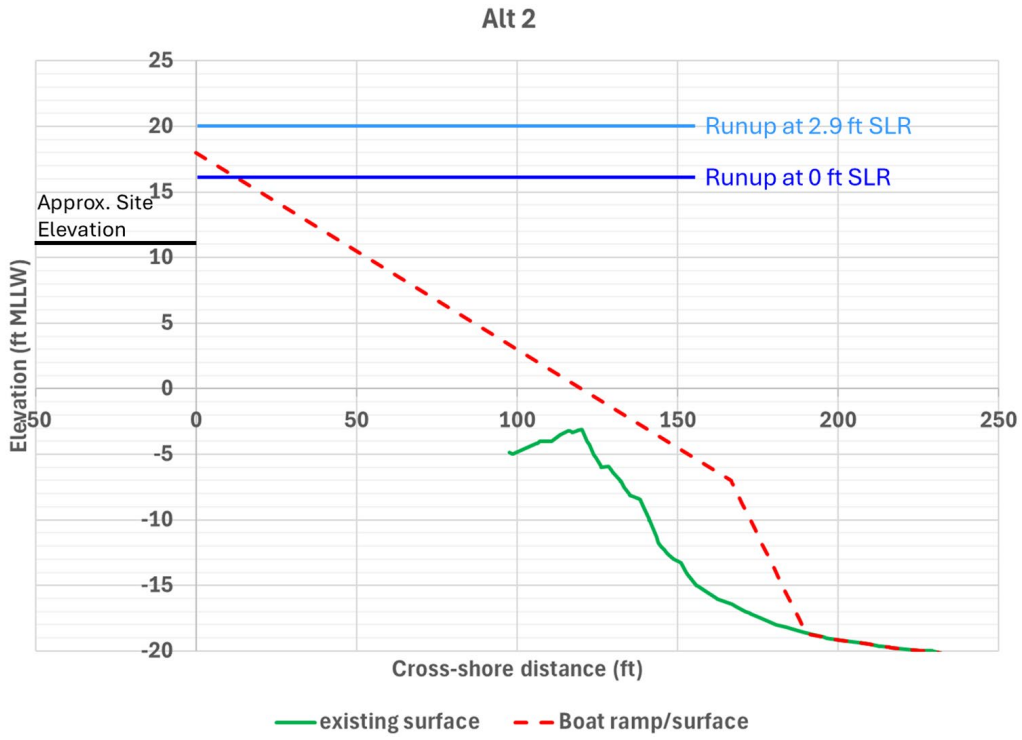



*Figure 27. Alternative 2 Preliminary Boat Ramp Design Cross-section with Wave Runup Results.*

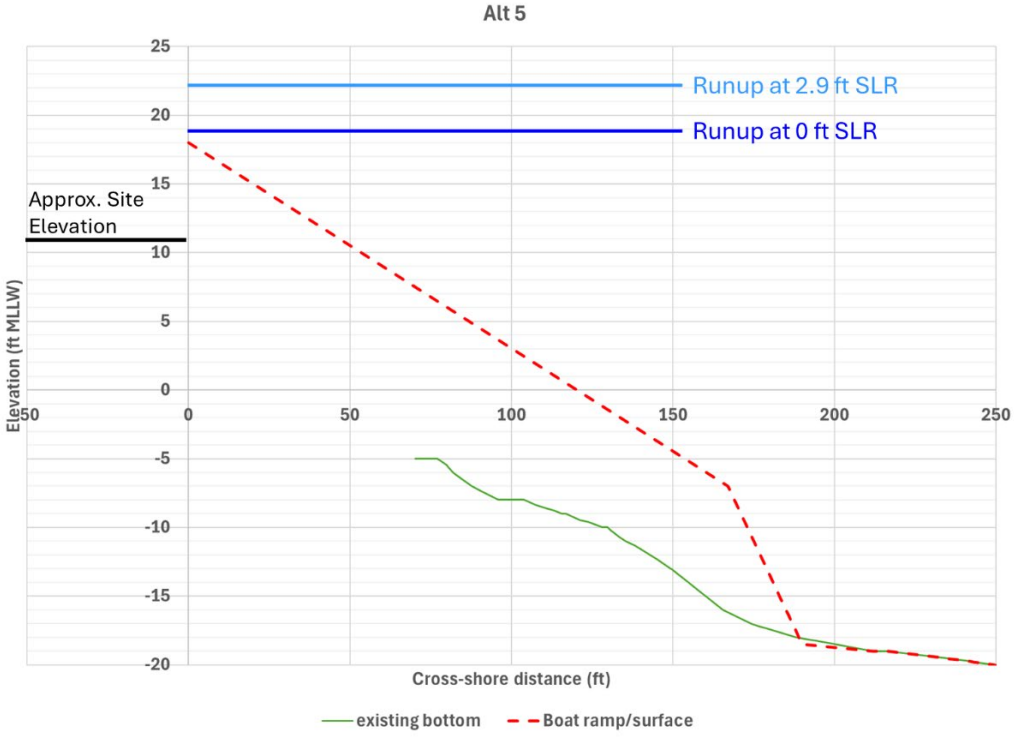



*Figure 28. Alternative 5 Preliminary Boat Ramp Design Cross-section with Wave Runup Results.*

It is worth noting that the M&N wave runup calculations include the proposed boat ramp geometry, while the FEMA and CoSMoS models are based on existing site conditions. Therefore, the FEMA and CoSMoS data can be used to assess the flooding extent of the current project site (parking lot, existing structures, etc.) but not with the proposed boat ramp. In addition, the wave model results indicate that an 18 second wave penetrates the marina and reaches the Alternative 1 location, while FEMA does not consider the wave impact at the Alternative 1 location. Thus, for the present and future wave runup associated with the proposed boat ramp, the M&N calculations are considered more applicable and accurate.

In addition, the California Department of Boating and Waterways (DBAW) grant requires a 20-year-SLR (2050) design condition, which is 0.9 ft for the intermediate-high condition. As shown in Table 8, only a 0.2 ft wave height difference is observed between the present and 2080 SLR wave results; therefore, the 2080 SLR results presented in this report are comparable to the DBAW 2050 requirements.

## 5.3 Limitations

Both FEMA and CoSMoS models were developed on a coarse model grid on a regional scale that do not consider shoreline complexities at a local level. Coastal flooding maps presented in this section should be interpreted to generally identify the potential extent of present and future coastal flooding and highlight areas that are most susceptible to flooding at the project site.

# 6 Coastal Hazards Adaptation Measures

Based on the results of the wave runup analyses, adaptation measures to address coastal hazards are needed for all alternatives. Three potential measures are discussed below.

## 6.1 Boat Ramp Operational Restrictions

Using a 2-ft significant wave height limit as the boat ramp operation criterion as described in section 4.4.2, for the present sea level, this 2-ft wave height has the following exceedance probabilities:

- Alternative 1: 2 percent probability of annual exceedance (50-year event);
- Alternative 2: 4 percent probability of annual exceedance (25-year event), and
- Alternative 5: 50 percent probability of annual exceedance (1-year event).

Launch ramp closure would be necessary during these exceedance periods, and the analysis indicates Alternative 5 would have a higher frequency of these closure periods. It should be noted that these operational restrictions are based on the premise that wave runup can occur on the ramp during boat launch operations.

## 6.2 Raising Top of Ramp to Accommodate Wave Runup

In order to avoid overtopping and flooding of the backland areas, the tops of the ramps would need to be raised to accommodate the wave runup levels shown in Table 11:

- Alternative 1: an additional 3.1 ft to accommodate 2.9 ft of SLR (from +12 ft to +15.1 ft MLLW).
- Alternative 2: an additional 2.0 ft to accommodate 2.9 ft of SLR (from +18 ft to +20 ft MLLW).
- Alternative 5: an additional 1 ft for the present sea level and 4.2 ft to accommodate 2.9 ft of SLR (from +18 ft to +19 and +22.2 ft MLLW, respectively), which is likely not practical.

These top of ramp elevations assume that the neighboring shoreline perimeter will also be raised to avoid wave overtopping. Because the proposed top of ramp elevations are higher than the existing ground, grading to match the existing ground elevations would be needed in the present and for future SLR.

## 6.3 Sheet Pile Wall Installation

The results of the Alternatives 2 and 5 wave runup analysis indicate the need for installing a sheet pile wall at these boat ramp locations to provide wave protection. It is assumed that the sheet pile wall would block incoming waves, resulting in minimal wave penetration, with mainly SWL flood hazard to be considered. The sheet pile would need to be designed to facilitate navigation in and out of the ramp. The installation of the sheet pile would likely allow for lowering of the top of ramp elevation for Alternatives 2 and 5; a 12 ft MLLW top of ramp elevation would accommodate the Present and 2080 sea levels with a small amount of wave runup.

# 7 Discussion, Summary, and Conclusions

Redondo Beach residents and community leaders have agreed upon the development of a public boat launch within King Harbor. The new public boat launch will allow access to the open ocean and provide recreational and commercial opportunities for community members.

Wave gauges were deployed in the harbor during a 2-month period; the collected data was used to evaluate the waves at the site and to calibrate the wave model. The numerical wave model provided operational and design wave conditions. The design wave was the 100-year-return wave with a 1-year-return SWL. The wave model results were used to determine wave runup flood hazards, for present and future SLR of up to 2.9 ft. The most critical factors in the analysis were found to be:

- Proposed top of ramp elevations of +12 and +18 ft MLLW.
- Significant wave height of 2 ft as the operational criterion.
- Wave runup above the top of the ramp.

A comparison of Alternatives 1, 2, and 5 is presented in Table 12.

Based on the results and analysis presented herein, Alternative 1 is the preferred alternative because it:

- has the least amount of wave runup
- would not require installation of a sheet pile wall
- requires the smallest amount of backland fill to match the top of ramp elevation
- has the lowest frequency of operational restrictions based on wave height.

Alternatives 2 and 5 would require installation of an in-water sheet pile wall to reduce wave runup and regulatory agencies approval of the wall is likely to be challenging. Therefore, Alternatives 2 and 5 are not recommended.

*Table 12. Comparison of Design Alternatives.*

| | No Project | Alternative 1 | Alternative 2 | Alternative 5 |
|---|---|---|---|---|
| **Description** | No boat ramp | • New boat ramp at south-end of harbor<br>• Top of ramp +12 ft MLLW<br>• Ramp slope 15 percent<br>• Bottom of ramp -7 ft MLLW<br>• Existing bottom elevation -9.5 ft MLLW | • New boat ramp near restaurant<br>• Top of ramp +18 ft MLLW<br>• Ramp slope 15 percent<br>• Bottom of ramp -7 ft MLLW<br>• Existing bottom elevation -16 ft MLLW | • New boat ramp near old Sport fishing Pier<br>• Top of ramp +18 ft MLLW<br>• Ramp slope 15 percent<br>• Bottom of ramp -7 ft MLLW<br>• Existing bottom elevation -16 ft MLLW |
| **Key Pros** | No negative effects on existing structures | • Runup does not reach top of ramp for present-day conditions<br>• Location more sheltered from waves<br>• Top of ramp elevation closer to existing ground elevation | • Runup does not reach top of ramp for present-day conditions<br>• Shorter navigation route from ocean to ramp location | • Shorter navigation route from ocean to ramp location |
| **Key Cons** | No new or enhanced access to boating | • 1 ft of fill may be required to match the proposed +12 ft MLLW top of ramp elevation<br>• Operational limits are required | • Without wave protection with a sheet pile wall, approx. 7 ft of fill of the backlands would be required to match the +18 ft MLLW top of ramp elevation.<br>• Installation of in-water sheet pile wall likely required, which would impact boater navigation and may not be permittable<br>• Operational limits are required | • Without wave protection with a sheet pile wall, approx. 7 ft of fill of the backlands would be required to match the +18 ft MLLW top of ramp elevation.<br>• Installation of in-water sheet pile wall likely required, which would impact boater navigation and may not be permittable<br>• Operational limits are required |
| **Coastal Hazards** | • No impact to shoreline erosion<br>• No impact to flooding | • Project does not impact shoreline erosion<br>• Wave runup elevation exceeds top of ramp with future SLR | • Project does not impact shoreline erosion<br>• Wave runup elevation exceeds top of ramp with future SLR | • Project does not impact shoreline erosion<br>• Wave runup elevation exceeds top of ramp for present day and future SLR |
| **Operational Restrictions** | Not applicable | • 2 percent probability of annual exceedance of 2 ft wave limitation | • 4 percent probability of annual exceedance of 2 ft wave limitation | • 50 percent probability of annual exceedance of 2 ft wave limitation |

| | No Project | Alternative 1 | Alternative 2 | Alternative 5 |
|---|---|---|---|---|
| **Adaptation Measures** | Not applicable | • For 2080 SLR, raising top of ramp to accommodate for total water levels would be needed. | • For present and 2080 SLR, +20 ft top of ramp elevation is needed to accommodate total water levels<br>• Or installing sheet pile wall in front of boat ramp to reduce wave size/penetration | • For present and 2080 SLR, +20 ft top of ramp elevation is needed to accommodate total water levels<br>• Or installing sheet pile wall in front of boat ramp to reduce wave size/penetration. |
| **Preferred Alternative** | No | **Yes** | No | No |

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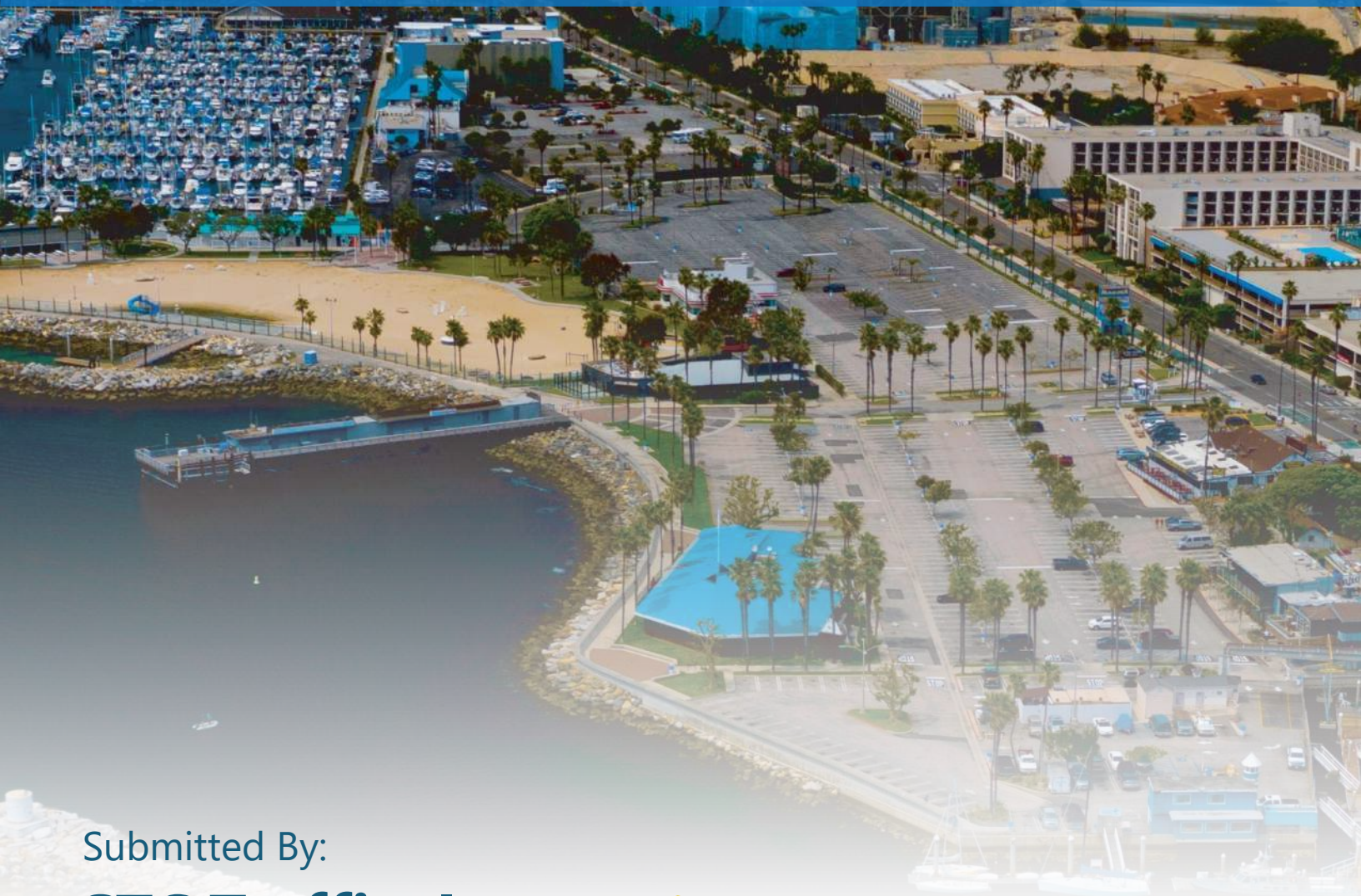
# Mole D Public Boat Launch Transportation Impact and Parking Study

## Final Report

City of Redondo Beach | September 12, 2025

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moffatt & nichol

REDONDO BEACH

# City of Redondo Beach

# Mole D Public Boat Launch

# Transportation Impact and Parking Study

## Final Report

**September 2025**

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# 1 INTRODUCTION

The City of Redondo Beach is proposing to construct a new public boat launch ramp ("Project") on Mole D of the City of Redondo Beach King Harbor. The project location is shown in **Figure 1-1** This report has been prepared to evaluate the following:

- Operating condition of the surrounding intersections, that will likely be affected by the project, with the addition of the project.
- Parking adequacy of the proposed project site design layout.
- Project access and on-site circulation.
- Pedestrian connectivity and pedestrian-vehicle conflict areas.

This report was prepared in consultation with the project development team including the City of Redondo Beach and Moffatt & Nichol.

## 1.1 PROJECT DESCRIPTION

**Project Site Location**: The project site is located south of Herondo Street, north of Torrance Boulevard and west of Pacific Coast Highway (State Route 1) and Catalina Avenue. The Seaside Lagoon is located north, and the Redondo Beach Pier is located south of the project site.

**Project Site**: The project site consists of the parking lot (Mole D) located south of the Redondo Beach Marina entrance. The site consists of a 10,000 square-feet restaurant, 5,000 square-feet restaurant and event building, 3,000 square-feet of office space and a boat hoist. All land uses share the parking lot within the project site. In addition, the project proposes reconfiguration of the parking lot (north parking lot) located between Portofino Way and the Redondo Beach Marina entrance.

**Proposed Project Description**: The project proposes the following:

- Construct two lane boat launch ramp on Mole D and include necessary vehicle + trailer parking, boat launch queueing area, turn-around area and new tenant restrooms.
- Reconfigure the south parking lot (Mole D) and the north parking lot to accommodate the new boat launch facility, vehicle + trailer parking and to provide an optimum number of parking spaces.
- The access to the project site will be retained, which is from the Redondo Beach Marina entrance on Harbor Drive. The project proposes to reduce the number of outbound lanes from the current two lanes to one lane. This should reduce the conflict zone between vehicles, bicyclists and pedestrians at the driveway access/ egress. The existing one inbound lane will be retained
- The existing pedestrian promenade shall be retained.
- The existing boat hoist facility will be removed.

It should be noted that during the preparation of this report, the site design was in the planning and development stages and several alternative site design concepts were developed by Moffat and Nichol. This report evaluates the design preferred at the time of preparation of this report. The preferred alternative site design concept is shown in **Figure 1-2**.

## 1.2 BACKGROUND

As part of the "Public Amenities Plan" approved by the City Council in 2022, the boat launch ramp was proposed along with vehicle + trailer parking stalls, wash down area, launching queue area, turn-around circle, employee office, restroom/shower, security cameras, striped pedestrian crossings and emergency call boxes. The King Harbor Coastal Access, Revitalization, and Enhancement Act (Measure C), passed in 2015 is meant to preserve and expand public access to King Harbor and to ensure safety and maintain aquatic recreational activity. To achieve its objectives, Measure C established specific design requirements for boat launches. These include provisions for the number of launch lanes and vehicle-plus-trailer parking spaces and ensuring safety. Additionally, the measure mandates the strategic placement of launch lanes to support safe operations and protect against high waves.

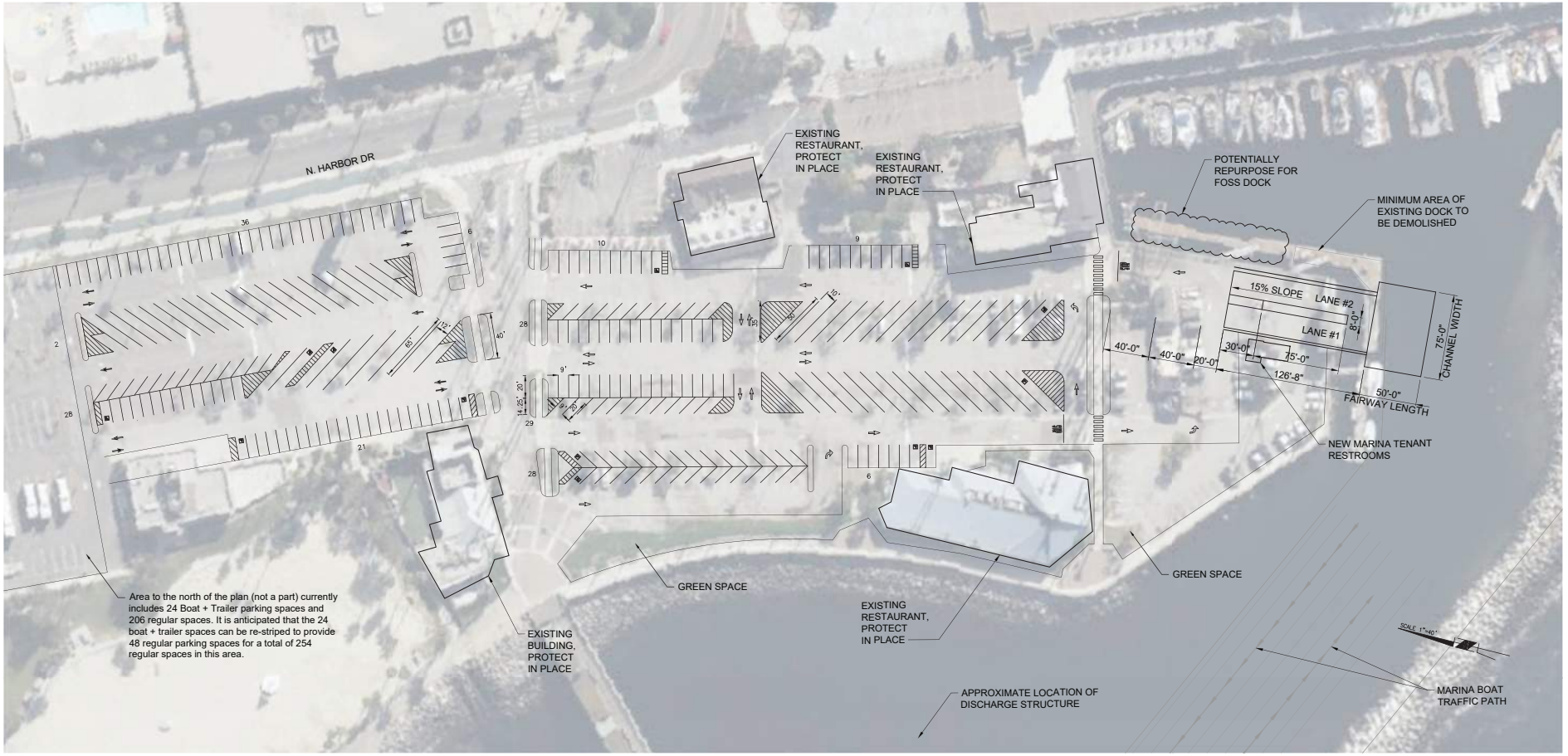
## 1.3 DOCUMENT ORGANIZATION

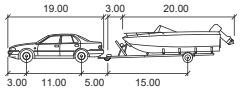
The report is organized into the following sections described below:

- **Local Transportation Assessment:** Presents the operating condition of the study intersections with the project. The subsections present a description of the study area, study scenarios, existing roadway conditions, existing traffic data, traffic volume forecast, project trip generation, trip distribution and, intersection analysis methodology and results.
- **Parking Evaluation**: Presents an evaluation of the parking adequacy of the proposed site design layout. The subsections present the existing parking assessment, proposed parking evaluation and City Parking Requirements.
- **City Parking Requirements:** Compares City parking requirements with proposed parking supply.
- **Project Access, On-Site and Pedestrian Circulation Assessment:** Presents an evaluation of the project access and on-site circulation of the proposed site design layout.

## Mole D Public Boat Launch Project

Figure 1-1
Project Locati

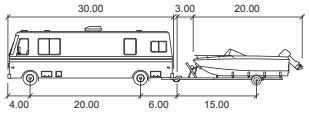



P-B

feet

| | | | |
|---|---|---|---|
| Car Width | : 7.00 | | |
| Trailer Width | : 8.00 | | |
| Car Track | : 6.00 | | |
| Trailer Track | : 8.00 | | |
| Lock to Lock Time | : 6.0 | | |
| Steering Angle | : 31.6 | | |
| Articulating Angle | : 70.0 | | |




MH-B

feet

| | | | |
|---|---|---|---|
| MH Width | : 8.00 | Lock to Lock Time | : 6.0 |
| Trailer Width | : 8.00 | Steering Angle | : 25.8 |
| MH Track | : 8.00 | Articulating Angle | : 70.0 |
| Trailer Track | : 8.00 | | |

| NORTH PARKING LOT | |
|---|---|
| REGULAR SPACES | 346 |
| ADA SPACES | 3 |
| VEHICLE/TRAILER | 21 |
| ADA/VEH/TRAILER | 2 |
| RV/TRAILER | 5 |

| SOUTH PARKING LOT | |
|---|---|
| REGULAR SPACES | 110 |
| ADA SPACES | 6 |
| VEHICLE/TRAILER | 30 |
| ADA/VEH/TRAILER | 2 |
| RV/TRAILER | 0 |

| TOTAL(NORTH+SOUTH) | |
|---|---|
| REGULAR SPACES | 456 |
| ADA SPACES | 9 |
| VEHICLE/TRAILER | 51 |
| ADA/VEH/TRAILER | 4 |
| RV/TRAILER | 5 |

Not for construction. Further design required.

40 20 0 40 80 120
SCALE: 1"=40'

Figure 1-2
Proposed Site Design Concept

# 2 LOCAL TRANSPORTATION ASSESSMENT

This section presents the operating conditions of the study intersections with the project.

## 2.1 STUDY AREA

The study intersections evaluated in this traffic study are listed below and shown in **Figure 2-1**:

1. Harbor Drive/ Hermosa Avenue and Herondo Street (Signal).
2. Harbor Drive and Yacht Club Way (Signal).
3. Harbor Drive and Marina Way (Signal).
4. Harbor Drive and Beryl Street/ Portofino Way (Signal).
5. Harbor Drive and Redondo Beach Marina Entrance (All-Way Stop).
6. Harbor Drive and N Pacific Avenue (All-Way Stop).

## 2.2 STUDY SCENARIOS

The intersection conditions were evaluated for the following scenarios:

- **Existing Conditions (Year 2024)**: This scenario evaluates the intersection conditions for the year 2024 with the existing roadway geometry and the peak season traffic volumes.

- **Opening Year 2027 Without Project Conditions:** This scenario forecasts the intersection conditions in the project opening year 2027, with existing roadway geometry and projected year 2027 traffic volumes.

- **Opening Year 2027 With Project Conditions:** This scenario forecasts the roadway conditions in the project opening Year 2027 with the project constructed and operational. The project trips was added to the Opening Year 2027 Without Project traffic volumes to derive the traffic volumes for this scenario.

Figure 2-1
Project Study Area

## 2.3 EXISTING ROADWAY CONDITIONS

The existing roadway conditions are summarized in this section. The existing intersection geometry is shown in **Figure 2-2**.

**Harbor Drive,** within the project study area is oriented in the north-south direction. In the City's General Plan, the roadway is classified as a Collector north of Beryl Street/ Portofino Way and unclassified to the south. This unclassified section provides access to the project site. The roadway between Herondo Street and Pacific Avenue has two travel lanes with a center two-way-left-turn-lane. The posted speed limit is 30 MPH. On-street parallel parking exists on the west side of the roadway north of Beryl Street/ Portofino Way and on the east side of the roadway south of Beryl Street/ Portofino Way. A two-way Class IV cycle track exists along the west side of the roadway. Sidewalks exist on both sides of the roadway.

**Herondo Street**, within the project study area is oriented in the east-west direction. In the City's General Plan, the roadway is classified as a Secondary Arterial between Harbor Drive and Pacific Coast Highway and as a Major Arterial east of Pacific Coast Highway. The section of Herondo Street closest to the project, west of Pacific Coast Highway, the posted speed limit is 30 MPH. Here the roadway has two travel lanes separated by a raised median and back-in-only, angled on-street parking is provided on both sides of the roadway. Class II bike lanes and sidewalks exist on both sides of the roadway.

**Beryl Street,** within the project study area is oriented in the east-west direction. In the City's General Plan, the roadway is classified as a Secondary Arterial. West of Catalina Avenue, the roadway has two travel lanes in each direction with a center two-way-left-turn-lane. East of Catalina there is one travel lane in each direction, on-street parallel parking, Class II bike lanes and sidewalks on both sides of the roadway. West of Pacific Coast Highway the posted speed limit is 25 MPH.

## Mole D Public Boat Launch Project

Figure 2-2
Existing Intersection Geometry

## 2.4 TRAFFIC VOLUMES

This section provides a description of the existing traffic volume data and the Opening Year 2027 traffic volume forecast.

### 2.4.1 Existing Traffic Volume Data

The peak hour count data was collected on Saturday, October 5, 2024, at the study intersections. The count data consists of vehicle and bicycle turning movement count and pedestrian counts on each leg of the intersection. The counts were collected during the following peak periods:

- Morning (7:00 AM – 9:00 AM)
- Midday (11:00 AM – 1:00 PM)
- Evening (4:00 PM – 6:00 PM)

**Peak Season Adjustment**: To evaluate the intersection condition during peak season, Placer.ai data was provided by the City and utilized to determine the peak season of the year. The data, provided in **Appendix A**, shows an 80% increase in visitors to the Waterfront area in the month of July when compared to October. For a conservative estimate, the October peak hour intersection vehicle turning movement volumes were increased by a factor of 80% to reflect peak season volumes.

The adjusted peak hour intersection turning movement volumes for AM and mid-day (MD) peak hours are shown in **Figure 2-3** and the volume for PM peak hour is shown in **Figure 2-4**. The count data and the Placer.ai data are included in Appendix A.

## Mole D Public Boat Launch Project

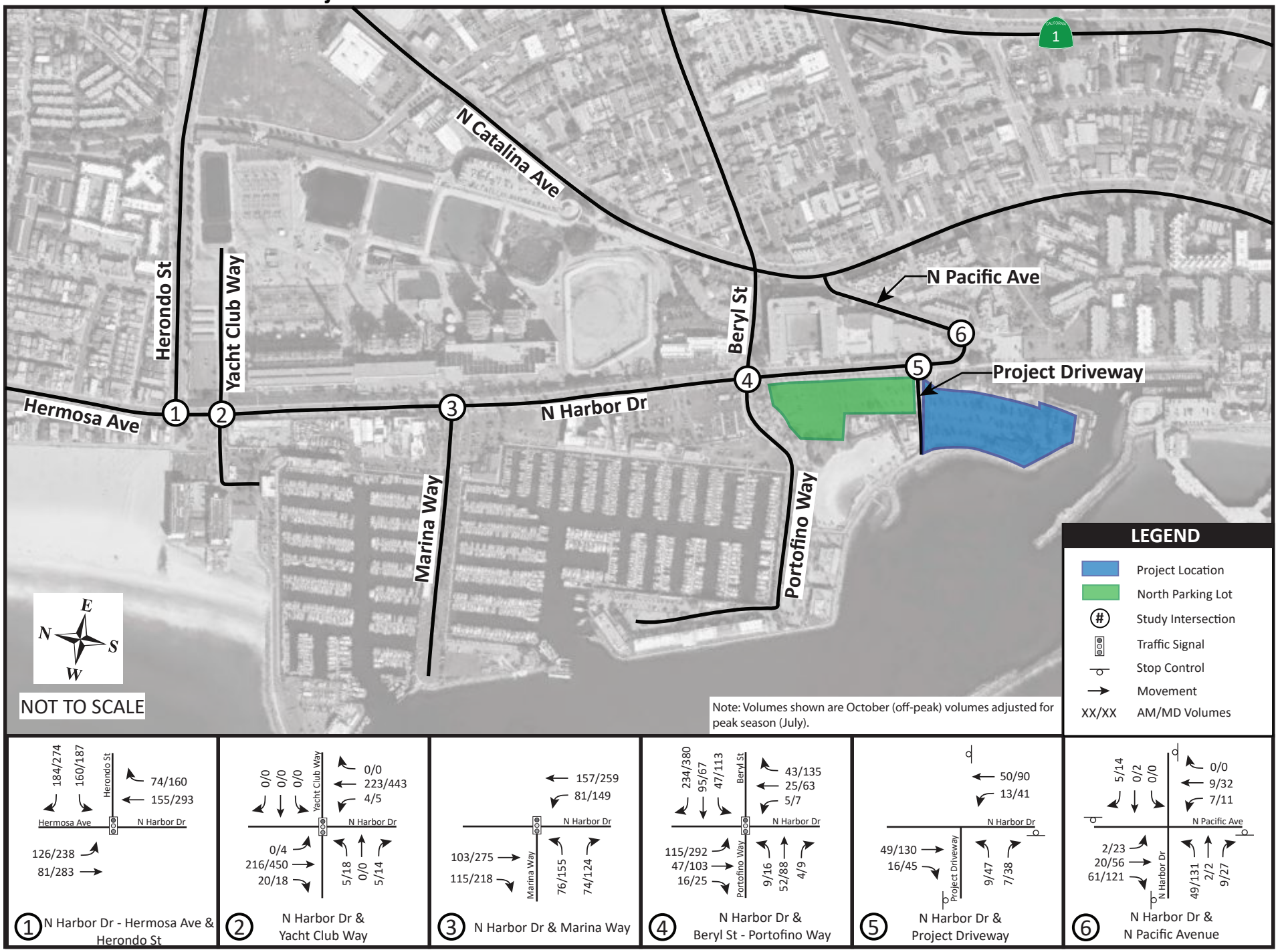



Figure 2-3
Existing AM and MD Peak Hour Intersection Volumes

## Mole D Public Boat Launch Project

Figure 2-4
Existing PM Peak Hour Intersection Volumes

### 2.4.2 Opening Year 2027 Without Project Traffic Volume

The Opening Year 2027 Without Project traffic volumes were forecasted by applying an annual growth to the existing peak season traffic volumes (adjusted volumes). The growth factor was calculated using the employment data from the Southern California Association of Governments (SCAG) Demographics and Growth Forecast Technical Report (September 3, 2020) and confirmed as appropriate during scoping discussions with the City on Wednesday November 13, 2024. Based on the comparison of the year 2016 and year 2045 employment data for the City of Redondo Beach, the employment is forecast to grow 0.39% per year. A total growth factor of 1.17% was applied to the existing traffic volume to forecast the Opening Year 2027 Without Project traffic volumes. The AM and MD peak hour intersection turning movement volumes are shown in **Figure 2-5** and the volumes for the PM peak hour are shown in **Figure 2-6**. The SCAG data is included in **Appendix B**.

## Mole D Public Boat Launch Project

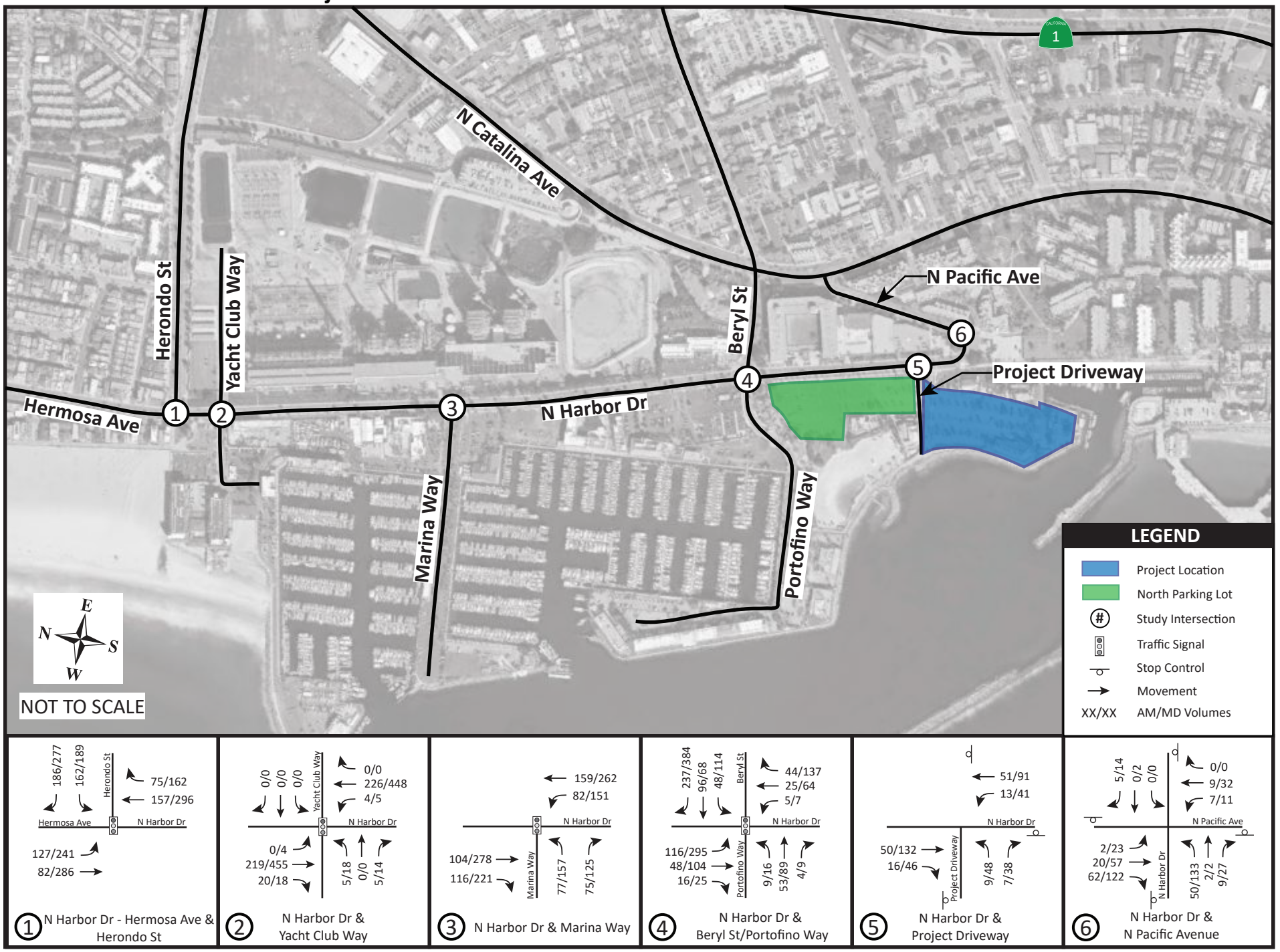



Figure 2-5
Opening Year 2027 Without Project AM and MD Peak Hour Intersection Volumes

## Mole D Public Boat Launch Project

Figure 2-6 596

Opening Year 2027 Without Project PM Peak Hour Intersection Volumes

### 2.4.3 Opening Year 2027 With Project Traffic Volume

The Opening Year 2027 With Project traffic volumes were derived by adding the project trips to the Opening Year 2027 Without Project traffic volumes. The project trips at the study intersections were estimated based on the peak hour project trip generation estimate and the anticipated distribution of trips through the roadway network.

**Project Trip Generation**: Since there is no trip generation manual that provides trip estimates for a boat launch facility, the following are the assumptions were made to derive project trips as shown in **Table 2-1**:

- The Boat Ramp Demand Study (Moffatt & Nichol, 2025) anticipates a normal peak day average of 27 boat launches and 27 boat retrievals per launch lane per day. This trip generation was derived from California Department of Parks and Recreation Division of Boating and Waterways Layout & Design Guidelines for Boat Launching Facilities (2021) and equates to 54 trips per launch lane per day.
- The normal peak day was assumed to be a Saturday.
- The actual trip generation as seen in the table below is higher than the trip generation in the VMT Screening Evaluation (STC Traffic, 2025) which uses updated information. This provides a conservative approach for the level of service (LOS) analysis.
- For a worse-case scenario all trips were assumed to occur during the peak hour, with maximum inbound trips occurring during the AM and MD peak hours and the maximum outbound trips occurring during the PM peak hour.

**Table 2-1: Project Trip Generation**

| Land Use | Daily Trips | Time Period | Trip Rates | | Trip Generation | |
|---|---|---|---|---|---|---|
| | | | IN | Out | IN | OUT |
| Boat Launch Ramp (2 lanes) | 120 | AM | 50% | 0% | 30 | 0 |
| | | MD | 45% | 10% | 27 | 6 |
| | | PM | 5% | 90% | 3 | 54 |
| | | Total | 100% | 100% | 60 | 60[1] |

[1]LOS Analysis Trip Generation is conservative as it is higher than the VMT Screening Evaluation which used updated information.

**Project Trip Distribution and Assignment**: Project trip distribution is the anticipated travel pattern of the project trips based on the existing traffic pattern and the surrounding roadway network. The project trip distribution is shown in **Figure 2-7**.

The project trip assignment for the AM and MD peak hour are shown in **Figure 2-8** and for the PM peak hour in **Figure 2-9**. The Opening Year 2027 With Project traffic volumes for the AM and MD peak hour are shown in **Figure 2-10** and for the PM peak hour in **Figure 2-11**.

## Mole D Public Boat Launch Project

1 N Harbor Dr - Hermosa Ave & Herondo St

2 N Harbor Dr & Yacht Club Way

3 N Harbor Dr & Marina Way

4 N Harbor Dr & Beryl St/Portofino Way

5 N Harbor Dr & Project Driveway

6 N Harbor Dr & N Pacific Avenue



Figure 2-7
Project Trip Distribution

## Mole D Public Boat Launch Project

Figure 2-8
AM and MD Peak Hour Project Trip Assignment

## Mole D Public Boat Launch Project

Figure 2-9
PM Peak Hour Project Trip Assignment

## Mole D Public Boat Launch Project

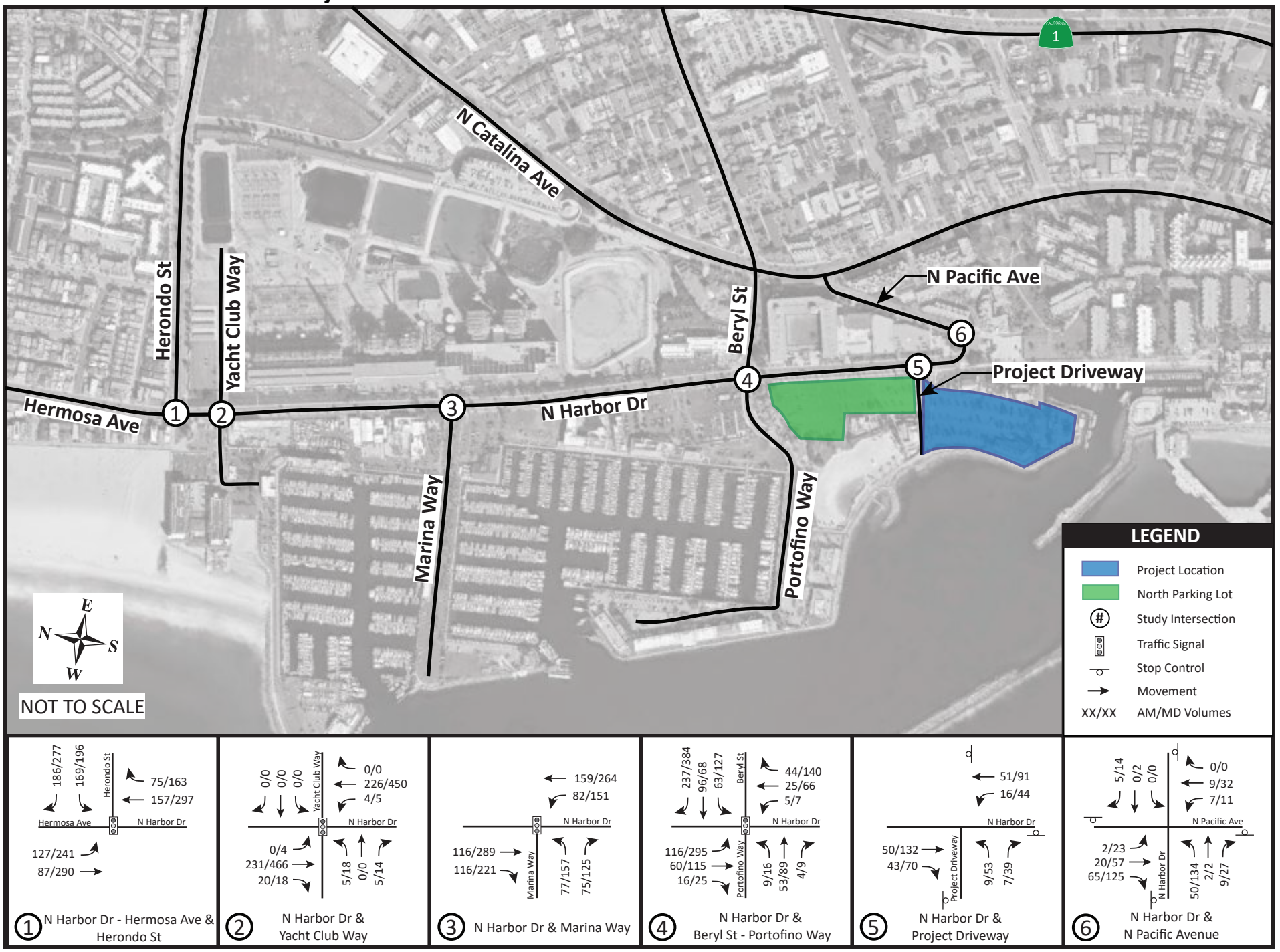



Figure 2-10
Opening Year 2027 With Project AM and MD Peak Hour Intersection Volumes

## Mole D Public Boat Launch Project

Figure 2-11
Opening Year 2027 With Project PM Peak Hour Intersection Volumes

## 2.5 TRAFFIC ANALYSIS

This section presents the LOS traffic analysis methodology and the analysis results for the study intersections. The analysis was conducted for the AM, MD, and PM peak hours on a Saturday (busiest day of the week) during the peak season (July). The analysis methodology was established in reference to the City of Redondo Beach Transportation Impact Study (TIS) Guidelines (May 5, 2021) and in consultation with the City of Redondo Beach staff.

**Project Changes**: At the project access, the project proposes to reduce the number of outbound lanes from the current two lanes to one lane. Hence, at the Harbor Drive and Redondo Beach Marina entrance intersection the eastbound approach was analyzed with one shared left turn/right turn lane.

### 2.5.1 Analysis Methodology

Intersection LOS analysis was conducted using the Synchro 11 analysis software. Existing roadway geometry was obtained from Google Earth aerial imagery and verified in the field. Existing traffic signal timing sheets were used for signal timing inputs. Traffic volume (vehicle, pedestrian and bicycle) and peak hour factor (PHF) data inputs were based on count data.

Highway Capacity Manual (HCM) 6th Edition methodology was used to report intersection conditions for unsignalized intersections. Due to HCM 6th Edition methodology not supporting non – standard NEMA phasing and clustered intersections on one common traffic signal controller, HCM 2000 methodology was used to report intersection condition for all signalized intersections. Delay (in seconds) and corresponding LOS are reported for intersection conditions. The LOS thresholds are shown in **Table 2-2**.

**Table 2-2: HCM LOS Threshold**

| LOS | Control Delay (sec/veh) | | Description |
|---|---|---|---|
| | Signalized Intersection | Unsignalized Intersection | |
| A | ≤10 | ≤10 | Operations with very low delay and most vehicles do not stop. |
| B | >10 and ≤20 | >10 and ≤15 | Operations with good progression but with some restricted movements. |
| C | >20 and ≤35 | >15 and ≤25 | Operations where a significant number of vehicles are stopping with some backup and light congestion. |
| D | >35 and ≤55 | >25 and ≤35 | Operations where congestion is noticeable, longer delays occur, and many vehicles stop. The proportion of vehicles not stopping declines. |
| E | >55 and <80 | >35 and <50 | Operations where there is significant delay, extensive queuing, and poor progression. |
| F | >80 | >50 | Operations that are unacceptable to most drivers, when the arrival rates exceed the capacity of the intersection. |

***Source:*** *Highway Capacity Manual (HCM).*

### 2.5.2 Performance Criteria

The City of Redondo Beach has identified significant degradation criteria for intersection conditions, which is shown in **Table 2-3**. If the project results in degradation of the intersection conditions, improvements should be identified to offset degraded roadway operations.

**Table 2-3: City of Redondo Beach Significant Degradation Criteria**

| LOS | Project-Related Increase in Seconds of Average Total Delay | |
|---|---|---|
| | Signalized Intersection | Unsignalized (All-Way Stop) Intersection |
| D | Equal to or greater than 10.0 seconds | Equal to or greater than 4.0 seconds |
| E or F | Equal to or greater than 5.0 seconds | Equal to or greater than 3.0 seconds |

### 2.5.3 General Plan Consistency

Section 1.2, Page 12 of the Redondo Beach Circulation Element (Adopted July 2021) states that the City of Redondo Beach has expressed a goal for City intersections not to degrade beyond LOS D. Where intersections currently exceed LOS D, the City will pursue mitigation measures to achieve LOS D.

### 2.5.4 Analysis Results

The existing intersection conditions are summarized in **Table 2-4**. The Opening Year 2027 Without Project and the Opening Year 2027 With Project conditions are summarized in **Table 2-5** and **Table 2-6** respectively. The analysis worksheets are included in **Appendix C**.

**Table 2-4: Existing Intersection LOS Analysis Summary**

| Study Intersection | | Control | AM | | MD | | PM | |
|---|---|---|---|---|---|---|---|---|
| | | | Delay | LOS | Delay | LOS | Delay | LOS |
| 1 | Harbor Dr/ Hermosa Ave and Herondo St [1] | Signal | 17.6 | B | 21.1 | C | 27.9 | C |
| 2 | Harbor Dr and Yacht Club Way[1] | Signal | 11.3 | B | 15.6 | B | 20.3 | C |
| 3 | Harbor Dr and Marina Way [1] | Signal | 13.2 | B | 15.1 | B | 15.4 | B |
| 4 | Harbor Dr and Beryl St - Portofino Way [1] | Signal | 21.8 | C | 31.3 | C | 45.1 | D |
| 5 | Harbor Dr and RB Marina Entrance | AWS | 7.9 | A | 8.9 | A | 9.8 | A |
| 6 | Harbor Dr and N Pacific Ave | AWS | 7.9 | A | 9.3 | A | 10.0 | A |

Delay reported in seconds. LOS – Level of Service. AWS – All-Way Stop Control

[1]Reported HCM 2000 methodology results.

**Table 2-5: Opening Year 2027 Without Project Intersection LOS Analysis Summary**

| Study Intersection | | Control | AM | | MD | | PM | |
|---|---|---|---|---|---|---|---|---|
| | | | Delay | LOS | Delay | LOS | Delay | LOS |
| 1 | Harbor Dr/ Hermosa Ave and Herondo St [1] | Signal | 17.6 | B | 21.3 | C | 28.8 | C |
| 2 | Harbor Dr and Yacht Club Way[1] | Signal | 11.3 | B | 15.8 | B | 20.7 | C |
| 3 | Harbor Dr and Marina Way [1] | Signal | 13.3 | B | 15.2 | B | 15.7 | B |
| 4 | Harbor Dr and Beryl St - Portofino Way [1] | Signal | 21.8 | C | 31.6 | C | 46.4 | D |
| 5 | Harbor Dr and RB Marina Entrance | AWS | 7.9 | A | 8.9 | A | 9.8 | A |
| 6 | Harbor Dr and N Pacific Ave | AWS | 7.9 | A | 9.3 | A | 10.1 | B |

Delay reported in seconds. LOS – Level of Service. AWS – All-Way Stop Control

[1]Reported HCM 2000 methodology results.

**Table 2-6: Opening Year 2027 With Project Intersection LOS Analysis Summary**

| Study Intersection | | Control | AM | | MD | | PM | |
|---|---|---|---|---|---|---|---|---|
| | | | Delay | LOS | Delay | LOS | Delay | LOS |
| 1 | Harbor Dr/ Hermosa Ave and Herondo St [1] | Signal | 17.8 | B | 21.6 | C | 30.4 | C |
| 2 | Harbor Dr and Yacht Club Way[1] | Signal | 11.3 | B | 16.0 | B | 22.4 | C |
| 3 | Harbor Dr and Marina Way [1] | Signal | 13.2 | B | 15.1 | B | 15.6 | B |
| 4 | Harbor Dr and Beryl St - Portofino Way [1] | Signal | 21.9 | C | 32.0 | C | 49.1 | D |
| 5 | Harbor Dr and RB Marina Entrance | AWS | 7.7 | A | 8.7 | A | 10.0 | A |
| 6 | Harbor Dr and N Pacific Ave | AWS | 7.9 | A | 9.3 | A | 10.2 | B |

Delay reported in seconds. LOS – Level of Service. AWS – All-Way Stop Control

[1]Reported HCM 2000 methodology results.

As shown in Table 2-4, Table 2-5 and Table 2-6, all intersections operate at an acceptable LOS D or better during all peak hours for all scenarios. The addition of the project trips does not result in degradation of the intersection conditions at any of the study intersections.

# 3 PARKING EVALUATION

The parking evaluation was performed to determine parking adequacy of the proposed project site design layout and to compare future parking requirements and supply. With the addition of the boat launch ramp and vehicle + trailer parking, the project proposes reconfiguring the south parking lot (Mole D) and the north parking lot to provide an optimum number of parking spaces and efficient circulation.

The following tasks were performed as part of the study:

- Assessment of the existing parking supply.
- Evaluation of proposed conceptual parking layout and circulation.
- City Parking Requirements
- Recommendations

## 3.1 EXISTING PARKING ASSESSMENT

This section provides an assessment of the existing parking spaces available (parking supply) and the existing demand. Existing parking conditions were evaluated during field visits on Wednesday September 25, 2024. Some spaces were inaccessible as they were being used by facilities and maintenance crews. Parking space counts were also conducted using aerial imagery. The Parking occupancy surveys were conducted on Friday October 4, Saturday October 5, and Sunday October 6, 2024. Results are provided in **Appendix D**. The existing parking space counts are summarized in **Table 3-1**.

**Table 3-1: Existing Parking Condition**

| Parking Lot | Parking Spaces | Land Use/Activity Served |
|---|---|---|
| North Parking Lot | Regular & ADA – 333<br>Vehicle + Trailer – 49<br>**Total = 382** | - Seaside Lagoon<br>- California Surf Club & Restaurant |
| South Parking Lot | Regular & ADA – 337<br>**Total = 337** | - Captain Kidd's Fish Market and Restaurant<br>- Riviera Mexican Cantina<br>- R/10 Social House Restaurant<br>- Boat Hoist<br>- FOSS Marine Services |
| **Total** (North + South Lots) | Regular & ADA – 670<br>Vehicle + Trailer – 49<br>**Total = 719** | - All waterfront land uses |

The parking lots may also be utilized by visitors for other activities including walking, running, biking and water activities.

The Captain Kidds's Fish Market and Restaurant, which is located north-east of the south parking lot has an additional 27 parking spaces within the property of the restaurant, which is reserved to its customers. Vehicle access between the south parking lot and the restaurant is restricted.

Results from the parking occupancy survey showed that in terms of parking space utilization, the busiest time was 10:00 AM on Sunday October 6, 2024 with 136 spaces occupied in the north and south lot. However, the count could have been influenced by the 19th Annual Car Show. The second busiest time was 5:00 PM on Saturday October 5, when 124 spaces were occupied in both lots. Both counts mean that the north and south lots were less than 20% utilized at these times. It should be noted that the seaside lagoon is not open in October when the counts were conducted.

## 3.2 PROPOSED PARKING EVALUATION

The project proposes the following changes to the parking:

- Install a total of 54 vehicle + trailer parking spaces and 6 RV + trailer parking spaces.
- Reconfigure both parking lots to provide an optimum number of parking spaces.

The proposed site design layout is shown in Figure 1-2. The proposed parking conditions are summarized in **Table 3-2**.

**Table 3-2: Proposed Parking Condition**

| Parking Lot | Parking Spaces | Land Use/Activity Served |
|---|---|---|
| North Parking Lot | Regular – 346<br>Regular ADA – 3<br>Vehicle +Trailer – 20<br>Vehicle +Trailer ADA – 2<br>RV +Trailer - 6<br>**Total = 377** | - Seaside Lagoon<br>- California Surf Club & Restaurant |
| South Parking Lot | Regular – 110<br>Regular ADA – 6<br>Vehicle + Trailer – 30<br>Vehicle + Trailer ADA - 2<br>**Total = 148** | - Captain Kidd's Fish Market and Restaurant<br>- R/10 Social House Restaurant<br>- FOSS Marine Services<br>- Boat Launch Ramp (2 lanes) |
| **Total** (North + South Lots) | Regular – 456<br>Regular ADA – 9<br>Vehicle + Trailer – 50<br>Vehicle + Trailer ADA – 4<br>RV + Trailer - 6<br>**Total = 525** | - All waterfront land uses |

The parking lots may also be utilized by visitors for other activities including walking, running, biking and water activities.

A comparison of existing and proposed parking is shown in **Table 3-3**.

**Table 3-3 Existing and Proposed Parking Comparison (North + South Lots)**

| Type | Existing | Proposed | Increase (+) / Decrease (-) |
|---|---|---|---|
| Regular Parking Spaces (including ADA) | 670 | 465 | -205 |
| Vehicle + Trailer Spaces (including ADA) | 49 | 54 | +6 |
| RV + Trailer Parking | 0 | 6 | +5 |
| **Total** | **719** | **525** | **-194** |

Table 3-3 shows that the project will result in a reduction of 194 parking spaces.

There are an additional 346 parking spaces available in the vicinity of the project site at the following locations. These are shown in **Figure 3-1** and are less than 600 feet from the project site (measured from the center of the south parking lot on Mole D).

- 331 parking spaces within the Redondo Beach Waterfront multi-story parking garage which is located east of the project site and accessed off the Harbor Drive and N Pacific Avenue stop controlled intersection. Pedestrian access exists between the parking garage, the south parking lot and the International Boardwalk.
- 15 on-street parking spaces along east side of Harbor Drive between Beryl Street and Redondo Beach Marina entrance.

# Mole D Public Boat Launch Project

Figure 3-1
Other Waterfront Parking Locations

## 3.3 CITY PARKING REQUIREMENTS

This section considers the parking space requirements for existing businesses within Mole D, the parking requirements for the project, and whether the proposed parking supply is sufficient to meet these requirements. The following information, shown in **Table 3-4**, was provided by the City and includes floor area, parking space rate, and the number of parking spaces required based on the municipal code. The City does not have a parking requirement for open space so the data for Seaside Lagoon was provided by the City and is based on adult visitors paying for entry at the Seaside Lagoon between its open season of Memorial Day weekend through Labor Day Weekend. This data is provided in **Appendix D**.

**Table 3-4 Parking Requirements for Existing Uses**

| Location | Business Name and Type of Use | Parking Rate | Building Square Footage or Number of Seats | Parking Spaces Required |
|---|---|---|---|---|
| 181 N Harbor Drive | Redondo Beach Marina Office | 1 space per 300 SF | 1491 SF | 5 |
| 181 N Harbor Drive | Basin 3 Commercial Vessel Operators. Boat Slips. | 3/4 space per boat slip | 15 slips | 11 |
| 161 N Harbor Drive | Foss Building Office | 1 space per 300 SF | 1,216 SF | 4 |
| 179 N Harbor Drive | R10 Sitdown Restaurant | 1 per 4 seats but not less than 1 space per 50 SF of seating area | 90 seats or 1,178 SF | 24 |
| | | Outdoor Seating - No additional parking required for first 12 seats. Thereafter, 1 per 6 seats | 20 seats | 3 |
| 209 N Harbor Drive | Captain Kidd's Sitdown Restaurant | 1 per 4 seats but not less than 1 space per 50 SF of seating area | 216 seats or 2,835.41 SF | 30[1] |
| | | Outdoor Seating - No additional parking required for first 12 seats. Thereafter, 1 per 6 seats | 12 seats | 0 |
| 239 N Harbor Drive | CA Surf Club. Commercial Recreation | 1 per 250 SF | 5,867 SF | 25 |
| 245 N Harbor Drive | CA Surf Club Sitdown Restaurant | 1 per 4 seats but not less than 1 space per 50 SF of seating area | 44 seats or 1,321 SF | 26 |
| | | Outdoor Seating - No additional parking required for first 12 seats. Thereafter, 1 per 6 seats | 61 seats | 8 |
| 200 Portofino Way | Seaside Lagoon | 213 peak season demand based on 2024 open season | | 213[2] |
| | | | **Total** | **349** |

[1]A total of 57 spaces are required but 27 spaces are provided in purpose-built parking lot.
[2]The seaside lagoon number of spaces is based on open season demand since the City does not have a parking requirement for this land use.

Table 3-4 shows that 349 spaces are required for the existing uses based on City parking requirements.

**Project Parking Requirements**

Per the California Department of Parks and Recreation Division of Boating and Waterways Layout & Design Guidelines for Boat Launching Facilities (2021) the minimum parking space ratio for the project should be between 20 and 30 vehicle and trailer parking spaces per launch lane. Sixty (60) spaces in total were assumed for a conservative estimate for the two proposed launch lanes and to comply with Measure C requirements. **Table 3-5** compares the Existing + Project parking requirements with the proposed parking supply.

**Table 3-5 Parking Requirements for Existing + Proposed Land Uses vs Parking Supply**

| Parking Spaces | Total |
|---|---|
| Existing Municipal Code Requirement | 349 |
| Project Requirement | 60 |
| **Existing + Project Requirement** | **409** |
| Total Proposed Parking Supply North & South Parking Lots | 525 |
| **Parking Space Surplus** | **116** |

Table 3-2 shows that 525 parking spaces are proposed in Mole D following the completion of the project. Table 3-5 shows that with the completion of the project a total of 409 parking spaces will be required resulting in a surplus of 116 parking spaces. Therefore, it can be concluded that the proposed parking supply will accommodate municipal code parking requirements for the existing land uses plus the proposed project.

# 4 PROJECT ACCESS, ON-SITE AND PEDESTRIAN CIRCULATION ASSESSMENT

This section presents an evaluation of the project access, on-site vehicle and pedestrian circulation of the proposed project site design layout.

## 4.1 PROJECT ACCESS

The access to the project site will be retained at the Redondo Beach Marina entrance on Harbor Drive with the following changes:

- The outbound lanes will be reduced from the current two lanes to one lane. This should reduce the conflict zone between vehicles, bicyclists and pedestrians at the driveway access/ egress. The existing one inbound lane will be retained.
- Parking fees will be collected through pay over cell phone or pay stations within the parking lot.
- We understand that the City would like to modify curb returns and make lanes as narrow as possible to shrink the intersection and turning templates at the Harbor Drive access are provided in **Appendix E**.

### 4.1.1 Operations and Queue Analysis

The queue length is based on the Synchro analysis software and is reported as 95$^{th}$ percentile queue length in number of vehicles. The intersection operations and queue analysis for the Harbor Drive and Redondo Beach Marina entrance for the Opening Year 2027 With Project is summarized in **Table 4-1**.

**Table 4-1: Opening Year 2027 With Project Access Analysis**

| Mov | AM | | | MD | | | PM | | |
|---|---|---|---|---|---|---|---|---|---|
| | QL | App D/LOS | Int D/LOS | QL | App D/LOS | Int D/LOS | QL | App D/LOS | Int D/LOS |
| **EB LR** | 1 | 7.4 / A | 7.7 / A | 1 | 8.6 / A | 8.7 / A | 1 | 9.9 / A | 10.0 / A |
| **NB L** | 1 | 7.8 / A | | 1 | 8.6 / A | | 1 | 10.2 / B | |
| **NB T** | 1 | | | 1 | | | 2 | | |
| **SB TR** | 1 | 7.7 / A | | 1 | 8.9 / A | | 2 | 9.9 / A | |

- Mov-Movement, QL-Queue Length, App-Approach, D-Delay, LOS-Level of Service, EB-Eastbound, NB-Northbound, SB-Southbound, L-Left Turn, T-Through, R-Right Turn
- 95$^{th}$ Percentile queue length reported in vehicles.
- Delay reported in seconds.

As shown in Table 4-1 for all the peak hours, with the addition of project trips to the project access intersection, all approaches and the whole intersection is forecast to operate at a LOS B or better. Excess queueing is not anticipated at the intersection approaches.

### 4.1.2 Project Access Design Assessment

The existing curb returns at the project access will be retained which are designed per the applicable standards to accommodate large vehicles with trailer maneuvers. In addition, the reduction in the number of outbound lanes and the removal of the roadway median and the parking ticket booths at the entrance, more room is provided for maneuvering through the parking lots. This will also reduce the number of potential conflict points with the bike lane on Harbor Drive. It should also be noted that vehicles with trailers are currently accessing the project site through this access under existing conditions.

## 4.2 ON-SITE VEHICLE CIRCULATION

The following is a summary of the on-site vehicle circulation elements of the proposed project site design layout:

- As per the applicable design standard, a minimum parking drive aisle width and internal circulation roadway width of 26 feet will be provided for one-way traffic and a width of 28 feet for two-way traffic. The width for two-way traffic is sufficient for safe passage of vehicles in both directions.
- The parking aisle and internal circulation roadway width are adequate for vehicles with trailers maneuvering, including driving into and out of the parking space and turnaround from one parking drive aisle to the other.
- The end of the parking aisle may consist of raised median island or striping, the corners of which are designed to accommodate vehicles with trailers turning maneuvers.
- Excess queuing and delay are not anticipated within the internal circulation roadways, that will result in adverse impact on internal circulation.

The adequacy of the proposed project site design layout for vehicles with trailers maneuver is demonstrated with turn template and included in Appendix E.

## 4.3 PEDESTRIAN CIRCULATION

The following is a summary of the on-site pedestrian circulation for the proposed project site design layout:

- The project will retain the pedestrian pathway from the Redondo Beach Marina entrance, which connects the sidewalk on Harbor Drive to the pedestrian promenade.
- The project will modify the pedestrian pathway connecting the International Boardwalk and the pedestrian promenade, to include a minimum of 8 feet pedestrian pathway and planter area on either side of the pathway.
- Pedestrian crosswalk markings will be provided at the stop control locations within the parking lot drive aisles. This provides a comfortable pedestrian connection from the pedestrian promenade along the waterfront to the International Boardwalk and may be more attractive to pedestrians than the existing conditions.

# 5 SUMMARY AND CONCLUSION

A summary of the project and analysis findings are as follows:

**Project Description**

- The project proposes constructing a two-lane boat launch ramp on Mole D and includes vehicle + trailer parking, a boat launch queueing area, a turn-around area and new tenant restrooms.
- The project will reconfigure the south parking lot (Mole D) and the north parking lot to accommodate the new boat launch facility, vehicle + trailer parking and to provide an optimum number of parking spaces.
- At the project access at the Redondo Beach Marina entrance on Harbor Drive, the project proposes to reduce the number of outbound lanes from two to one and retain the one inbound lane. The parking ticket booths have been removed.

**Local Transportation Assessment**

- The new boat launch facility is estimated to generate a total of 120 daily trips (60 inbound and 60 outbound). Most trips were assumed to occur during the peak hours. The VMT Screening Evaluation (STC Traffic, 2025) shows a lower trip generation using updated information. The level of service analysis used the higher trip generation for a conservative analysis.
- Six intersections, including the project access intersection, were evaluated for project impacts in the project opening year 2027, for the AM, MD, and PM peak hours on a Saturday (busiest day of the week) during the peak season (July) by applying a seasonal growth factor to existing volumes. All intersections were forecast to operate at an acceptable LOS D or better and the addition of the project trips does not result in degradation of the intersection conditions.

**Parking Evaluation**

- The existing north and south parking lots provide a total of 719 spaces. The proposed project site design layout will include a total of 525 parking spaces (377 north parking lot and 148 south parking lot), resulting in a decrease in 194 parking spaces from the current condition.
- The total parking requirement (Existing Plus Project) is estimated to be 409. This can be accommodated using the proposed 525 spaces in the north and south lots resulting in a surplus of 116 parking spaces following completion of the project.
- In addition, there are 346 parking spaces available in the vicinity of the project site, including the Beach Waterfront multi-story parking garage (331 spaces) and on-street parking (15 spaces).

**Project Access, On-Site and Pedestrian Circulation Assessment**

- With the addition of project trips to the project access intersection, all approaches and the intersection as a whole, are forecast to operate at a LOS B or better. Excess queuing is not anticipated at the intersection approaches.
- The project site access and the on-site circulation layout are designed to accommodate vehicles with trailers maneuvering through the parking lots.

- The proposed project site design layout consists of pedestrian pathways that connect the pedestrian promenade to the sidewalk on Harbor Drive and the International Boardwalk. Pedestrian crosswalk markings will be provided where required.

# Appendix A

Traffic Count Data

Placer.ai Data

Counts Unlimited, Inc.
PO Box 1178
Corona, CA 92878
(951) 268-6268

City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 7 | 9 | 16 | 16 | 17 | 33 | 12 | 2 | 14 | 63 |
| 07:15 AM | 4 | 9 | 13 | 8 | 21 | 29 | 11 | 2 | 13 | 55 |
| 07:30 AM | 14 | 7 | 21 | 21 | 9 | 30 | 13 | 9 | 22 | 73 |
| 07:45 AM | 8 | 15 | 23 | 18 | 17 | 35 | 20 | 15 | 35 | 93 |
| Total | 33 | 40 | 73 | 63 | 64 | 127 | 56 | 28 | 84 | 284 |
| | | | | | | | | | | |
| 08:00 AM | 18 | 8 | 26 | 22 | 28 | 50 | 18 | 5 | 23 | 99 |
| 08:15 AM | 11 | 10 | 21 | 18 | 24 | 42 | 23 | 14 | 37 | 100 |
| 08:30 AM | 16 | 13 | 29 | 24 | 22 | 46 | 20 | 11 | 31 | 106 |
| 08:45 AM | 25 | 14 | 39 | 25 | 28 | 53 | 25 | 11 | 36 | 128 |
| Total | 70 | 45 | 115 | 89 | 102 | 191 | 86 | 41 | 127 | 433 |
| | | | | | | | | | | |
| Grand Total | 103 | 85 | 188 | 152 | 166 | 318 | 142 | 69 | 211 | 717 |
| Apprch % | 54.8 | 45.2 | | 47.8 | 52.2 | | 67.3 | 32.7 | | |
| Total % | 14.4 | 11.9 | 26.2 | 21.2 | 23.2 | 44.4 | 19.8 | 9.6 | 29.4 | |

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | |
| 08:00 AM | 18 | 8 | 26 | 22 | **28** | 50 | 18 | 5 | 23 | 99 |
| 08:15 AM | 11 | 10 | 21 | 18 | 24 | 42 | 23 | **14** | **37** | 100 |
| 08:30 AM | 16 | 13 | 29 | 24 | 22 | 46 | 20 | 11 | 31 | 106 |
| 08:45 AM | **25** | **14** | **39** | **25** | 28 | **53** | **25** | 11 | 36 | **128** |
| Total Volume | 70 | 45 | 115 | 89 | 102 | 191 | 86 | 41 | 127 | 433 |
| % App. Total | 60.9 | 39.1 | | 46.6 | 53.4 | | 67.7 | 32.3 | | |
| PHF | .700 | .804 | .737 | .890 | .911 | .901 | .860 | .732 | .858 | .846 |

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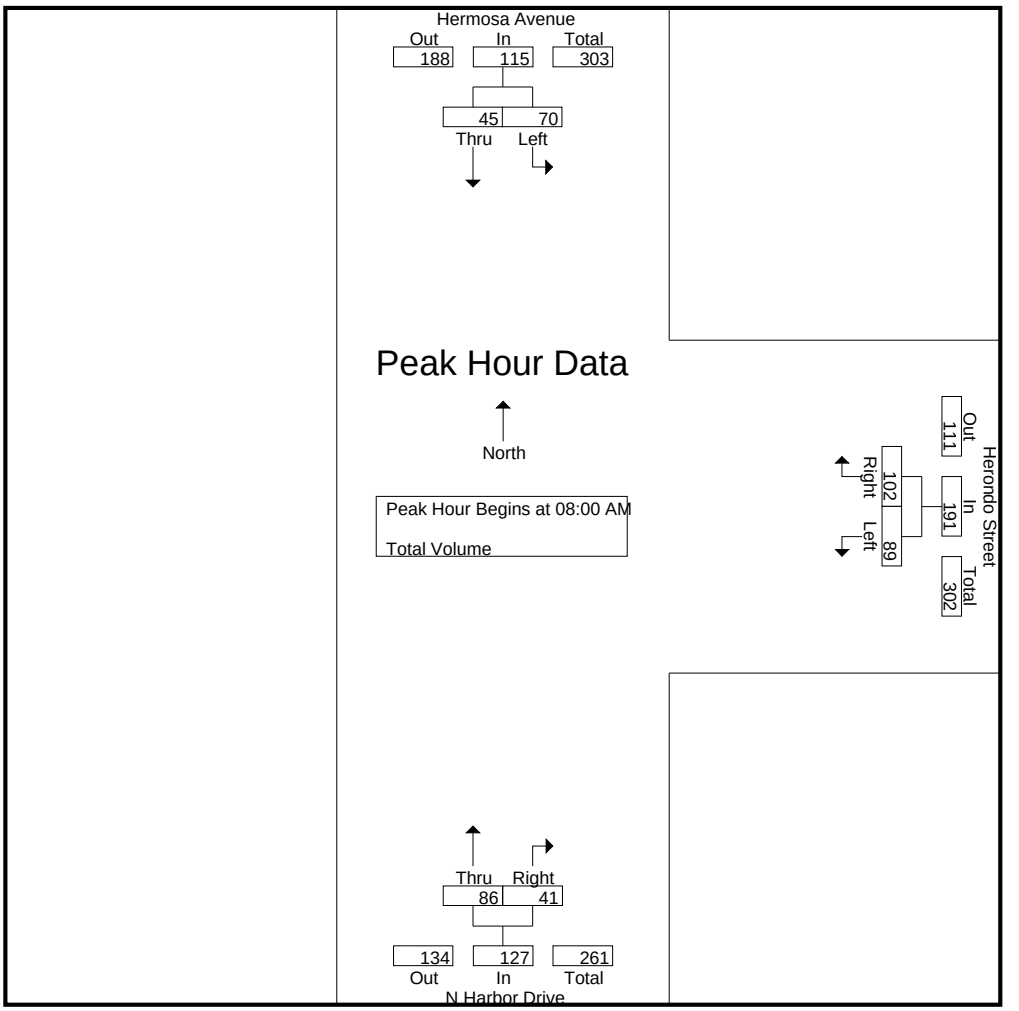
City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | 08:00 AM | | | 08:00 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 18 | 8 | 26 | 22 | **28** | 50 | 18 | 5 | 23 |
| +15 mins. | 11 | 10 | 21 | 18 | 24 | 42 | 23 | **14** | **37** |
| +30 mins. | 16 | 13 | 29 | 24 | 22 | 46 | 20 | 11 | 31 |
| +45 mins. | **25** | **14** | **39** | **25** | 28 | **53** | **25** | 11 | 36 |
| Total Volume | 70 | 45 | 115 | 89 | 102 | 191 | 86 | 41 | 127 |
| % App. Total | 60.9 | 39.1 | | 46.6 | 53.4 | | 67.7 | 32.3 | |
| PHF | .700 | .804 | .737 | .890 | .911 | .901 | .860 | .732 | .858 |

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City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 11:00 AM | 30 | 32 | 62 | 22 | 39 | 61 | 33 | 19 | 52 | 175 |
| 11:15 AM | 27 | 32 | 59 | 35 | 28 | 63 | 34 | 20 | 54 | 176 |
| 11:30 AM | 37 | 39 | 76 | 29 | 33 | 62 | 39 | 15 | 54 | 192 |
| 11:45 AM | 35 | 30 | 65 | 36 | 15 | 51 | 50 | 11 | 61 | 177 |
| Total | 129 | 133 | 262 | 122 | 115 | 237 | 156 | 65 | 221 | 720 |
| | | | | | | | | | | |
| 12:00 PM | 24 | 46 | 70 | 29 | 34 | 63 | 42 | 23 | 65 | 198 |
| 12:15 PM | 29 | 34 | 63 | 23 | 38 | 61 | 37 | 22 | 59 | 183 |
| 12:30 PM | 35 | 36 | 71 | 30 | 41 | 71 | 45 | 25 | 70 | 212 |
| 12:45 PM | 44 | 41 | 85 | 22 | 39 | 61 | 39 | 19 | 58 | 204 |
| Total | 132 | 157 | 289 | 104 | 152 | 256 | 163 | 89 | 252 | 797 |
| | | | | | | | | | | |
| Grand Total | 261 | 290 | 551 | 226 | 267 | 493 | 319 | 154 | 473 | 1517 |
| Apprch % | 47.4 | 52.6 | | 45.8 | 54.2 | | 67.4 | 32.6 | | |
| Total % | 17.2 | 19.1 | 36.3 | 14.9 | 17.6 | 32.5 | 21 | 10.2 | 31.2 | |

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | |
| 12:00 PM | 24 | **46** | 70 | 29 | 34 | 63 | 42 | 23 | 65 | 198 |
| 12:15 PM | 29 | 34 | 63 | 23 | 38 | 61 | 37 | 22 | 59 | 183 |
| 12:30 PM | 35 | 36 | 71 | **30** | **41** | **71** | **45** | **25** | **70** | **212** |
| 12:45 PM | **44** | 41 | **85** | 22 | 39 | 61 | 39 | 19 | 58 | 204 |
| Total Volume | 132 | 157 | 289 | 104 | 152 | 256 | 163 | 89 | 252 | 797 |
| % App. Total | 45.7 | 54.3 | | 40.6 | 59.4 | | 64.7 | 35.3 | | |
| PHF | .750 | .853 | .850 | .867 | .927 | .901 | .906 | .890 | .900 | .940 |

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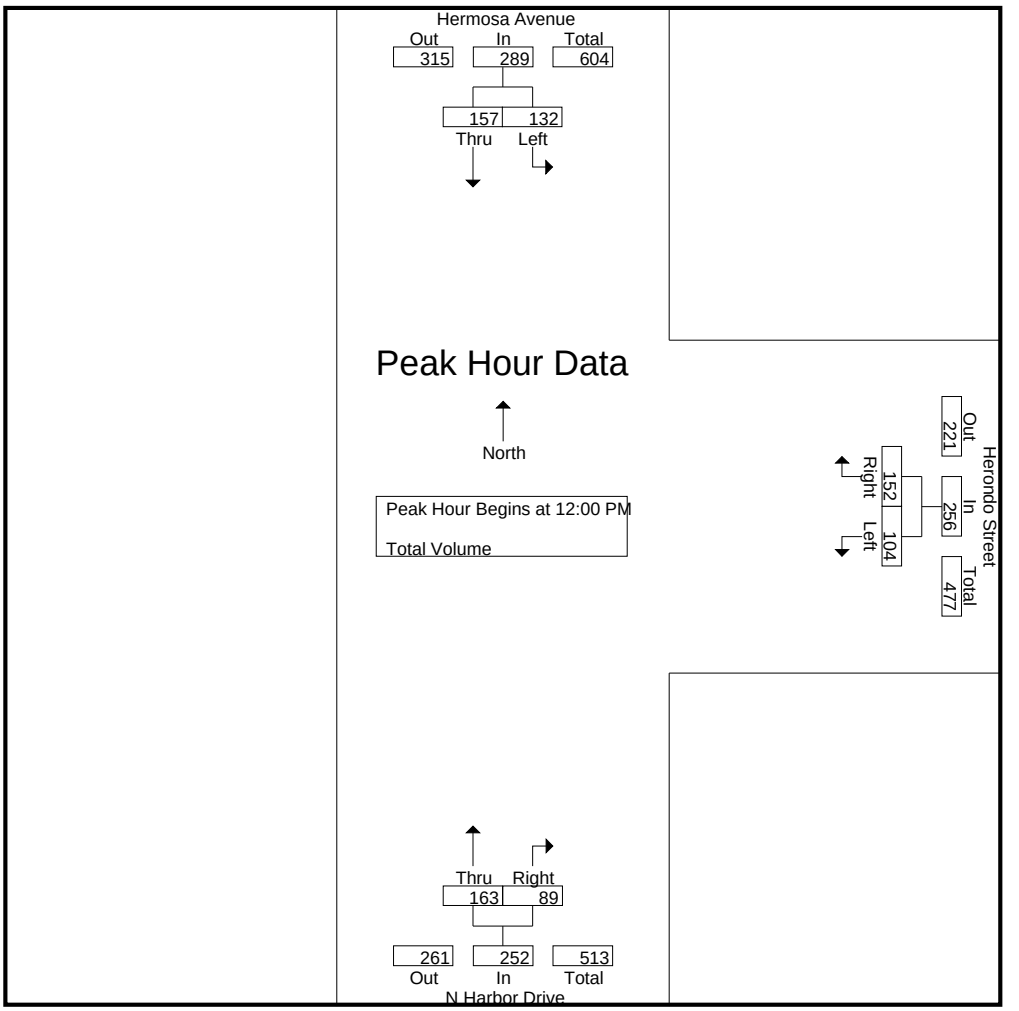
City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | 12:00 PM | | | 11:45 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 24 | **46** | 70 | 29 | 34 | 63 | **50** | 11 | 61 |
| +15 mins. | 29 | 34 | 63 | 23 | 38 | 61 | 42 | 23 | 65 |
| +30 mins. | 35 | 36 | 71 | **30** | **41** | **71** | 37 | 22 | 59 |
| +45 mins. | **44** | 41 | **85** | 22 | 39 | 61 | 45 | **25** | **70** |
| Total Volume | 132 | 157 | 289 | 104 | 152 | 256 | 174 | 81 | 255 |
| % App. Total | 45.7 | 54.3 | | 40.6 | 59.4 | | 68.2 | 31.8 | |
| PHF | .750 | .853 | .850 | .867 | .927 | .901 | .870 | .810 | .911 |

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City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 28 | 47 | 75 | 37 | 31 | 68 | 39 | 19 | 58 | 201 |
| 04:15 PM | 25 | 42 | 67 | 32 | 36 | 68 | 49 | 27 | 76 | 211 |
| 04:30 PM | 37 | 33 | 70 | 28 | 40 | 68 | 44 | 23 | 67 | 205 |
| 04:45 PM | 29 | 38 | 67 | 41 | 45 | 86 | 49 | 26 | 75 | 228 |
| Total | 119 | 160 | 279 | 138 | 152 | 290 | 181 | 95 | 276 | 845 |
| | | | | | | | | | | |
| 05:00 PM | 38 | 60 | 98 | 32 | 34 | 66 | 40 | 26 | 66 | 230 |
| 05:15 PM | 22 | 47 | 69 | 31 | 36 | 67 | 45 | 25 | 70 | 206 |
| 05:30 PM | 29 | 39 | 68 | 34 | 38 | 72 | 42 | 26 | 68 | 208 |
| 05:45 PM | 28 | 39 | 67 | 29 | 22 | 51 | 39 | 24 | 63 | 181 |
| Total | 117 | 185 | 302 | 126 | 130 | 256 | 166 | 101 | 267 | 825 |
| | | | | | | | | | | |
| Grand Total | 236 | 345 | 581 | 264 | 282 | 546 | 347 | 196 | 543 | 1670 |
| Apprch % | 40.6 | 59.4 | | 48.4 | 51.6 | | 63.9 | 36.1 | | |
| Total % | 14.1 | 20.7 | 34.8 | 15.8 | 16.9 | 32.7 | 20.8 | 11.7 | 32.5 | |

| | Hermosa Avenue Southbound | | | Herondo Street Westbound | | | N Harbor Drive Northbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | App. Total | Left | Right | App. Total | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:15 PM | | | | | | | | | | |
| 04:15 PM | 25 | 42 | 67 | 32 | 36 | 68 | **49** | **27** | **76** | 211 |
| 04:30 PM | 37 | 33 | 70 | 28 | 40 | 68 | 44 | 23 | 67 | 205 |
| 04:45 PM | 29 | 38 | 67 | **41** | **45** | **86** | 49 | 26 | 75 | 228 |
| 05:00 PM | **38** | **60** | **98** | 32 | 34 | 66 | 40 | 26 | 66 | **230** |
| Total Volume | 129 | 173 | 302 | 133 | 155 | 288 | 182 | 102 | 284 | 874 |
| % App. Total | 42.7 | 57.3 | | 46.2 | 53.8 | | 64.1 | 35.9 | | |
| PHF | .849 | .721 | .770 | .811 | .861 | .837 | .929 | .944 | .934 | .950 |

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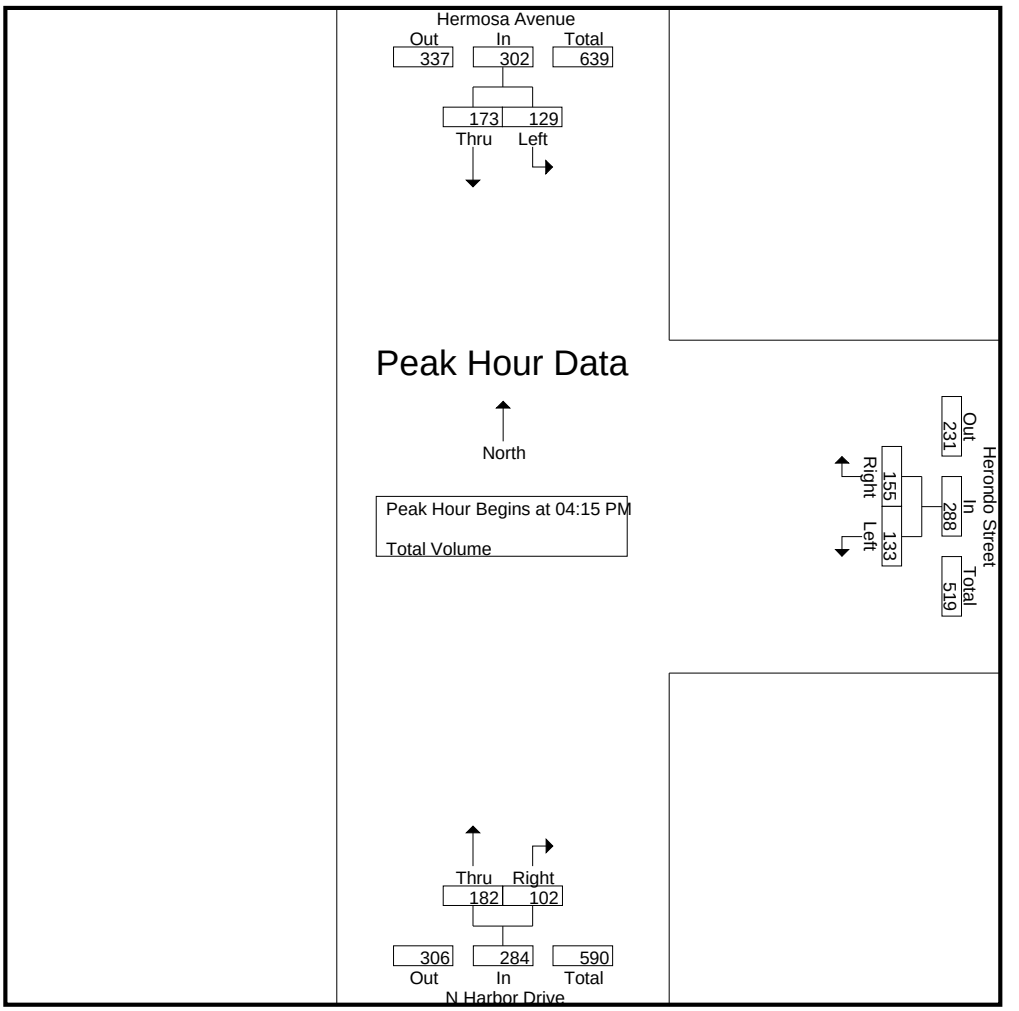
City of Redondo Beach
N/S: Hermosa Avenue/N Harbor Drive
E/W: Herondo Street
Weather: Clear

File Name : 01_RDB_Har_Her PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | 04:45 PM | | | 04:15 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 37 | 33 | 70 | **41** | **45** | **86** | **49** | **27** | **76** |
| +15 mins. | 29 | 38 | 67 | 32 | 34 | 66 | 44 | 23 | 67 |
| +30 mins. | **38** | **60** | **98** | 31 | 36 | 67 | 49 | 26 | 75 |
| +45 mins. | 22 | 47 | 69 | 34 | 38 | 72 | 40 | 26 | 66 |
| Total Volume | 126 | 178 | 304 | 138 | 153 | 291 | 182 | 102 | 284 |
| % App. Total | 41.4 | 58.6 | | 47.4 | 52.6 | | 64.1 | 35.9 | |
| PHF | .829 | .742 | .776 | .841 | .850 | .846 | .929 | .944 | .934 |

Location: Redondo Beach
N/S: Hermosa Ave/Harbor Dr
E/W: Herondo Street

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>Hermosa Avenue<br>Pedestrians | East Leg<br>Herondo Street<br>Pedestrians | South Leg<br>N Harbor Drive<br>Pedestrians | West Leg<br>Gateway Parkette<br>Pedestrians | |
|---|---|---|---|---|---|
| 7:00 AM | 6 | 1 | 17 | 20 | 44 |
| 7:15 AM | 8 | 2 | 5 | 8 | 23 |
| 7:30 AM | 16 | 2 | 5 | 6 | 29 |
| 7:45 AM | 12 | 1 | 2 | 5 | 20 |
| 8:00 AM | 7 | 4 | 14 | 16 | 41 |
| 8:15 AM | 8 | 3 | 4 | 6 | 21 |
| 8:30 AM | 14 | 3 | 19 | 23 | 59 |
| 8:45 AM | 11 | 1 | 10 | 14 | 36 |
| TOTAL VOLUMES: | 82 | 17 | 76 | 98 | 273 |

| | North Leg<br>Hermosa Avenue<br>Pedestrians | East Leg<br>Herondo Street<br>Pedestrians | South Leg<br>N Harbor Drive<br>Pedestrians | West Leg<br>Gateway Parkette<br>Pedestrians | |
|---|---|---|---|---|---|
| 11:00 AM | 8 | 3 | 9 | 11 | 31 |
| 11:15 AM | 14 | 2 | 8 | 20 | 44 |
| 11:30 AM | 9 | 1 | 5 | 10 | 25 |
| 11:45 AM | 6 | 7 | 13 | 7 | 33 |
| 12:00 PM | 8 | 5 | 8 | 10 | 31 |
| 12:15 PM | 7 | 1 | 1 | 3 | 12 |
| 12:30 PM | 15 | 5 | 3 | 6 | 29 |
| 12:45 PM | 7 | 5 | 7 | 9 | 28 |
| TOTAL VOLUMES: | 74 | 29 | 54 | 76 | 233 |

| | North Leg<br>Hermosa Avenue<br>Pedestrians | East Leg<br>Herondo Street<br>Pedestrians | South Leg<br>N Harbor Drive<br>Pedestrians | West Leg<br>Gateway Parkette<br>Pedestrians | |
|---|---|---|---|---|---|
| 4:00 PM | 9 | 5 | 6 | 6 | 26 |
| 4:15 PM | 12 | 2 | 11 | 9 | 34 |
| 4:30 PM | 5 | 3 | 7 | 10 | 25 |
| 4:45 PM | 5 | 7 | 7 | 6 | 25 |
| 5:00 PM | 4 | 1 | 4 | 5 | 14 |
| 5:15 PM | 5 | 4 | 6 | 14 | 29 |
| 5:30 PM | 9 | 2 | 2 | 8 | 21 |
| 5:45 PM | 5 | 1 | 5 | 7 | 18 |
| TOTAL VOLUMES: | 54 | 25 | 48 | 65 | 192 |

Location: Redondo Beach
N/S: Hermosa Ave/Harbor Dr
E/W: Herondo Street

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound Hermosa Avenue | | | Westbound Herondo Street | | | Northbound N Harbor Drive | | | Eastbound Gateway Parkette | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7:15 AM | 2 | 9 | 0 | 0 | 3 | 7 | 3 | 5 | 1 | 0 | 0 | 3 | 33 |
| 7:30 AM | 3 | 3 | 0 | 0 | 0 | 2 | 15 | 8 | 1 | 0 | 0 | 0 | 32 |
| 7:45 AM | 1 | 22 | 0 | 3 | 2 | 3 | 19 | 2 | 1 | 0 | 1 | 8 | 62 |
| 8:00 AM | 0 | 13 | 0 | 1 | 2 | 2 | 11 | 3 | 0 | 0 | 1 | 10 | 43 |
| 8:15 AM | 0 | 33 | 0 | 2 | 0 | 0 | 20 | 7 | 0 | 0 | 0 | 14 | 76 |
| 8:30 AM | 1 | 15 | 0 | 5 | 2 | 2 | 13 | 22 | 1 | 0 | 0 | 9 | 70 |
| 8:45 AM | 2 | 17 | 0 | 2 | 0 | 5 | 17 | 5 | 1 | 0 | 0 | 10 | 59 |
| TOTAL VOLUMES: | 9 | 112 | 0 | 13 | 9 | 21 | 98 | 52 | 5 | 0 | 2 | 54 | 375 |

| | Southbound Hermosa Avenue | | | Westbound Herondo Street | | | Northbound N Harbor Drive | | | Eastbound Gateway Parkette | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 1 | 31 | 0 | 3 | 1 | 1 | 31 | 9 | 2 | 0 | 0 | 22 | 101 |
| 11:15 AM | 3 | 12 | 0 | 2 | 4 | 1 | 41 | 11 | 1 | 0 | 4 | 14 | 93 |
| 11:30 AM | 1 | 15 | 0 | 0 | 0 | 2 | 30 | 12 | 0 | 0 | 0 | 16 | 76 |
| 11:45 AM | 1 | 16 | 0 | 2 | 0 | 3 | 51 | 9 | 1 | 1 | 1 | 24 | 109 |
| 12:00 PM | 6 | 24 | 0 | 2 | 0 | 3 | 18 | 6 | 3 | 0 | 0 | 35 | 97 |
| 12:15 PM | 2 | 27 | 0 | 2 | 0 | 2 | 60 | 6 | 3 | 0 | 2 | 22 | 126 |
| 12:30 PM | 5 | 20 | 0 | 0 | 0 | 2 | 47 | 7 | 1 | 0 | 0 | 36 | 118 |
| 12:45 PM | 2 | 8 | 0 | 3 | 7 | 0 | 43 | 7 | 2 | 0 | 2 | 37 | 111 |
| TOTAL VOLUMES: | 21 | 153 | 0 | 14 | 12 | 14 | 321 | 67 | 13 | 1 | 9 | 206 | 831 |

| | Southbound Hermosa Avenue | | | Westbound Herondo Street | | | Northbound N Harbor Drive | | | Eastbound Gateway Parkette | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 5 | 11 | 0 | 2 | 0 | 0 | 24 | 5 | 0 | 0 | 2 | 26 | 75 |
| 4:15 PM | 1 | 10 | 0 | 1 | 0 | 0 | 27 | 5 | 1 | 1 | 0 | 24 | 70 |
| 4:30 PM | 1 | 10 | 0 | 1 | 0 | 1 | 29 | 4 | 5 | 0 | 5 | 19 | 75 |
| 4:45 PM | 1 | 6 | 0 | 2 | 0 | 1 | 31 | 3 | 0 | 0 | 0 | 31 | 75 |
| 5:00 PM | 2 | 14 | 0 | 0 | 0 | 0 | 10 | 3 | 0 | 0 | 0 | 17 | 46 |
| 5:15 PM | 2 | 6 | 0 | 0 | 0 | 1 | 25 | 6 | 0 | 0 | 1 | 19 | 60 |
| 5:30 PM | 2 | 16 | 0 | 2 | 0 | 1 | 10 | 3 | 0 | 0 | 5 | 23 | 62 |
| 5:45 PM | 3 | 6 | 0 | 1 | 0 | 1 | 26 | 1 | 0 | 1 | 4 | 13 | 56 |
| TOTAL VOLUMES: | 17 | 79 | 0 | 9 | 0 | 5 | 182 | 30 | 6 | 2 | 17 | 172 | 519 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 20 | 4 | 24 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 | 1 | 0 | 2 | 3 | 39 |
| 07:15 AM | 0 | 15 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 13 | 1 | 0 | 0 | 1 | 30 |
| 07:30 AM | 0 | 25 | 3 | 28 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 1 | 0 | 1 | 2 | 50 |
| 07:45 AM | 0 | 33 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 34 | 1 | 0 | 0 | 1 | 68 |
| Total | 0 | 93 | 8 | 101 | 0 | 0 | 0 | 0 | 0 | 79 | 0 | 79 | 4 | 0 | 3 | 7 | 187 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 0 | 23 | 4 | 27 | 0 | 0 | 0 | 0 | 1 | 21 | 0 | 22 | 1 | 0 | 0 | 1 | 50 |
| 08:15 AM | 0 | 27 | 1 | 28 | 0 | 0 | 0 | 0 | 1 | 39 | 0 | 40 | 0 | 0 | 1 | 1 | 69 |
| 08:30 AM | 0 | 32 | 4 | 36 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 30 | 2 | 0 | 1 | 3 | 69 |
| 08:45 AM | 0 | 38 | 2 | 40 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 34 | 0 | 0 | 1 | 1 | 75 |
| Total | 0 | 120 | 11 | 131 | 0 | 0 | 0 | 0 | 2 | 124 | 0 | 126 | 3 | 0 | 3 | 6 | 263 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 213 | 19 | 232 | 0 | 0 | 0 | 0 | 2 | 203 | 0 | 205 | 7 | 0 | 6 | 13 | 450 |
| Apprch % | 0 | 91.8 | 8.2 | | 0 | 0 | 0 | | 1 | 99 | 0 | | 53.8 | 0 | 46.2 | | |
| Total % | 0 | 47.3 | 4.2 | 51.6 | 0 | 0 | 0 | 0 | 0.4 | 45.1 | 0 | 45.6 | 1.6 | 0 | 1.3 | 2.9 | |

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | | | | | | | | |
| 08:00 AM | 0 | 23 | **4** | 27 | 0 | 0 | 0 | 0 | **1** | 21 | 0 | 22 | 1 | 0 | 0 | 1 | 50 |
| 08:15 AM | 0 | 27 | 1 | 28 | 0 | 0 | 0 | 0 | 1 | **39** | 0 | **40** | 0 | 0 | **1** | 1 | 69 |
| 08:30 AM | 0 | 32 | 4 | 36 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 30 | **2** | 0 | 1 | **3** | 69 |
| 08:45 AM | 0 | **38** | 2 | **40** | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 34 | 0 | 0 | 1 | 1 | **75** |
| Total Volume | 0 | 120 | 11 | 131 | 0 | 0 | 0 | 0 | 2 | 124 | 0 | 126 | 3 | 0 | 3 | 6 | 263 |
| % App. Total | 0 | 91.6 | 8.4 | | 0 | 0 | 0 | | 1.6 | 98.4 | 0 | | 50 | 0 | 50 | | |
| PHF | .000 | .789 | .688 | .819 | .000 | .000 | .000 | .000 | .500 | .795 | .000 | .788 | .375 | .000 | .750 | .500 | .877 |

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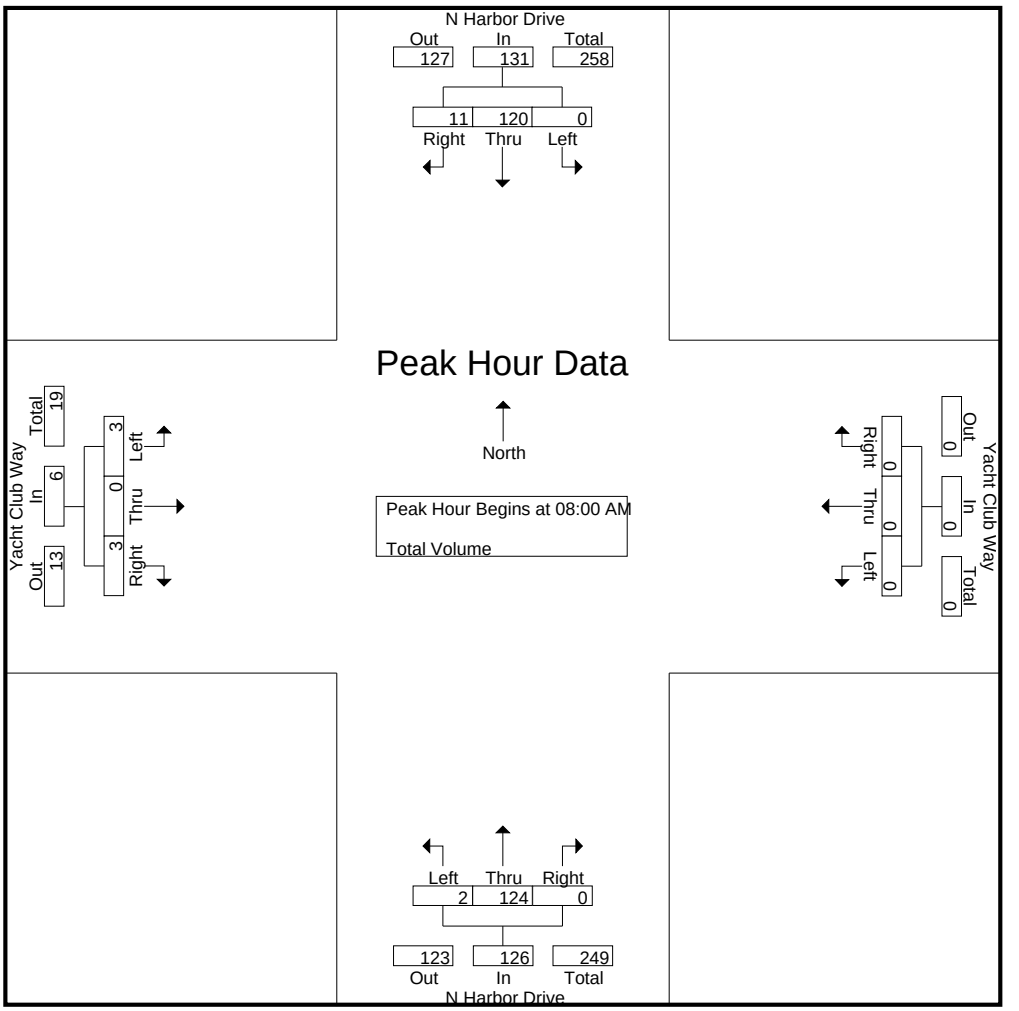
(951) 268-6268

City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:00 AM | | | | 07:45 AM | | | | 07:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 23 | **4** | 27 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 34 | **1** | 0 | **2** | **3** |
| +15 mins. | 0 | 27 | 1 | 28 | 0 | 0 | 0 | 0 | **1** | 21 | 0 | 22 | 1 | 0 | 0 | 1 |
| +30 mins. | 0 | 32 | 4 | 36 | 0 | 0 | 0 | 0 | 1 | **39** | 0 | **40** | 1 | 0 | 1 | 2 |
| +45 mins. | 0 | **38** | 2 | **40** | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 30 | 1 | 0 | 0 | 1 |
| Total Volume | 0 | 120 | 11 | 131 | 0 | 0 | 0 | 0 | 2 | 124 | 0 | 126 | 4 | 0 | 3 | 7 |
| % App. Total | 0 | 91.6 | 8.4 | | 0 | 0 | 0 | | 1.6 | 98.4 | 0 | | 57.1 | 0 | 42.9 | |
| PHF | .000 | .789 | .688 | .819 | .000 | .000 | .000 | .000 | .500 | .795 | .000 | .788 | 1.000 | .000 | .375 | .583 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 11:00 AM | 0 | 52 | 3 | 55 | 0 | 0 | 0 | 0 | 1 | 51 | 0 | 52 | 5 | 0 | 3 | 8 | 115 |
| 11:15 AM | 0 | 64 | 3 | 67 | 0 | 0 | 0 | 0 | 1 | 49 | 0 | 50 | 2 | 0 | 4 | 6 | 123 |
| 11:30 AM | 2 | 61 | 5 | 68 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 52 | 1 | 0 | 3 | 4 | 124 |
| 11:45 AM | 1 | 59 | 4 | 64 | 0 | 0 | 0 | 0 | 1 | 61 | 0 | 62 | 2 | 0 | 2 | 4 | 130 |
| Total | 3 | 236 | 15 | 254 | 0 | 0 | 0 | 0 | 3 | 213 | 0 | 216 | 10 | 0 | 12 | 22 | 492 |
| | | | | | | | | | | | | | | | | | |
| 12:00 PM | 1 | 76 | 0 | 77 | 0 | 0 | 0 | 0 | 2 | 61 | 0 | 63 | 4 | 0 | 3 | 7 | 147 |
| 12:15 PM | 0 | 56 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 55 | 3 | 0 | 1 | 4 | 116 |
| 12:30 PM | 0 | 59 | 5 | 64 | 0 | 0 | 0 | 0 | 0 | 69 | 0 | 69 | 1 | 0 | 2 | 3 | 136 |
| 12:45 PM | 0 | 60 | 3 | 63 | 0 | 0 | 0 | 0 | 3 | 58 | 1 | 62 | 1 | 0 | 1 | 2 | 127 |
| Total | 1 | 251 | 9 | 261 | 0 | 0 | 0 | 0 | 5 | 243 | 1 | 249 | 9 | 0 | 7 | 16 | 526 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 4 | 487 | 24 | 515 | 0 | 0 | 0 | 0 | 8 | 456 | 1 | 465 | 19 | 0 | 19 | 38 | 1018 |
| Apprch % | 0.8 | 94.6 | 4.7 | | 0 | 0 | 0 | | 1.7 | 98.1 | 0.2 | | 50 | 0 | 50 | | |
| Total % | 0.4 | 47.8 | 2.4 | 50.6 | 0 | 0 | 0 | 0 | 0.8 | 44.8 | 0.1 | 45.7 | 1.9 | 0 | 1.9 | 3.7 | |

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 11:45 AM | | | | | | | | | | | | | | | | | |
| 11:45 AM | **1** | 59 | 4 | 64 | 0 | 0 | 0 | 0 | 1 | 61 | 0 | 62 | 2 | 0 | 2 | 4 | 130 |
| 12:00 PM | 1 | **76** | 0 | **77** | 0 | 0 | 0 | 0 | **2** | 61 | 0 | 63 | **4** | 0 | **3** | **7** | **147** |
| 12:15 PM | 0 | 56 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 55 | 3 | 0 | 1 | 4 | 116 |
| 12:30 PM | 0 | 59 | **5** | 64 | 0 | 0 | 0 | 0 | 0 | **69** | 0 | **69** | 1 | 0 | 2 | 3 | 136 |
| Total Volume | 2 | 250 | 10 | 262 | 0 | 0 | 0 | 0 | 3 | 246 | 0 | 249 | 10 | 0 | 8 | 18 | 529 |
| % App. Total | 0.8 | 95.4 | 3.8 | | 0 | 0 | 0 | | 1.2 | 98.8 | 0 | | 55.6 | 0 | 44.4 | | |
| PHF | .500 | .822 | .500 | .851 | .000 | .000 | .000 | .000 | .375 | .891 | .000 | .902 | .625 | .000 | .667 | .643 | .900 |

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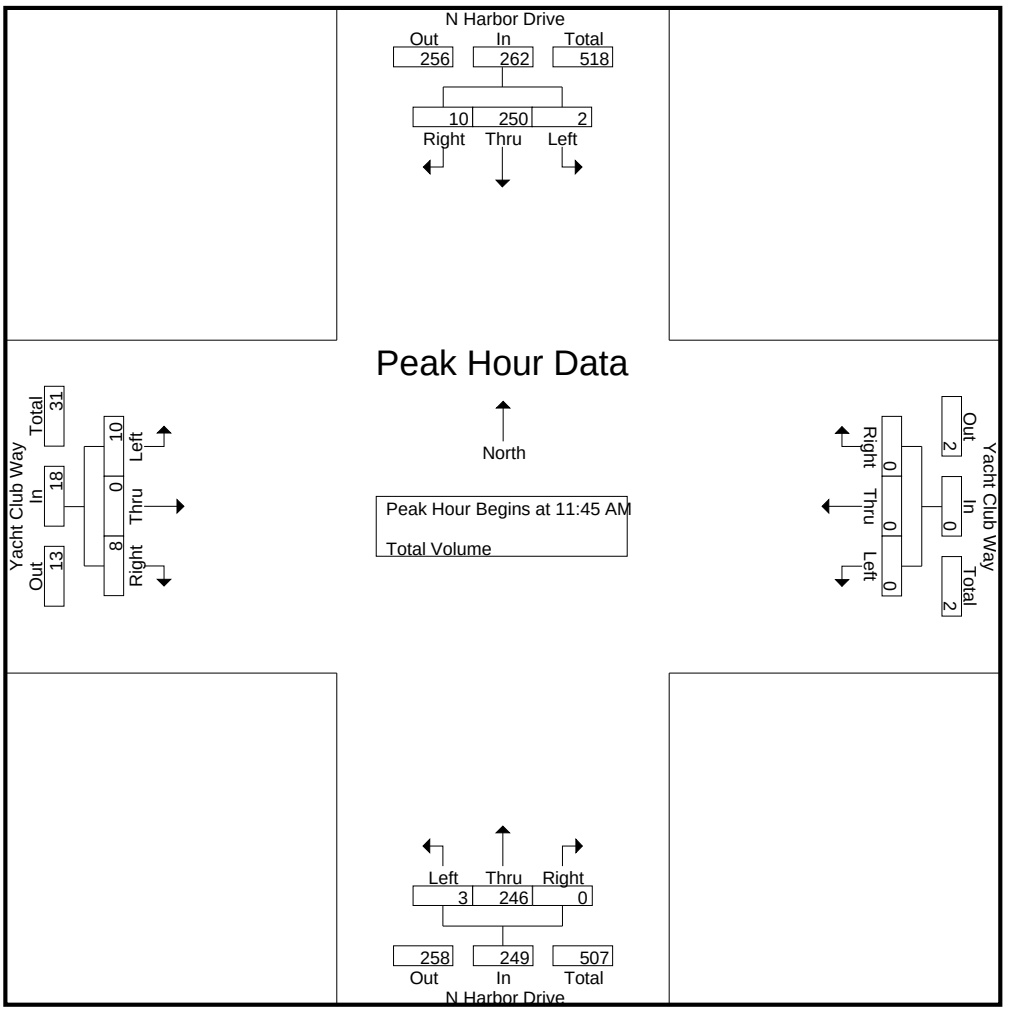
City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 11:15 AM | | | | 11:00 AM | | | | 11:45 AM | | | | 11:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 64 | 3 | 67 | 0 | 0 | 0 | 0 | 1 | 61 | 0 | 62 | **5** | 0 | 3 | **8** |
| +15 mins. | **2** | 61 | **5** | 68 | 0 | 0 | 0 | 0 | **2** | 61 | 0 | 63 | 2 | 0 | **4** | 6 |
| +30 mins. | 1 | 59 | 4 | 64 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 55 | 1 | 0 | 3 | 4 |
| +45 mins. | 1 | **76** | 0 | **77** | 0 | 0 | 0 | 0 | 0 | **69** | 0 | **69** | 2 | 0 | 2 | 4 |
| Total Volume | 4 | 260 | 12 | 276 | 0 | 0 | 0 | 0 | 3 | 246 | 0 | 249 | 10 | 0 | 12 | 22 |
| % App. Total | 1.4 | 94.2 | 4.3 | | 0 | 0 | 0 | | 1.2 | 98.8 | 0 | | 45.5 | 0 | 54.5 | |
| PHF | .500 | .855 | .600 | .896 | .000 | .000 | .000 | .000 | .375 | .891 | .000 | .902 | .500 | .000 | .750 | .688 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 79 | 3 | 82 | 0 | 0 | 1 | 1 | 1 | 53 | 0 | 54 | 3 | 0 | 1 | 4 | 141 |
| 04:15 PM | 0 | 71 | 3 | 74 | 0 | 0 | 0 | 0 | 1 | 73 | 1 | 75 | 3 | 0 | 2 | 5 | 154 |
| 04:30 PM | 0 | 58 | 2 | 60 | 0 | 0 | 0 | 0 | 1 | 66 | 0 | 67 | 1 | 0 | 6 | 7 | 134 |
| 04:45 PM | 0 | 76 | 2 | 78 | 0 | 0 | 0 | 0 | 3 | 72 | 0 | 75 | 5 | 0 | 6 | 11 | 164 |
| Total | 0 | 284 | 10 | 294 | 0 | 0 | 1 | 1 | 6 | 264 | 1 | 271 | 12 | 0 | 15 | 27 | 593 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 89 | 4 | 93 | 0 | 0 | 0 | 0 | 2 | 62 | 0 | 64 | 2 | 0 | 3 | 5 | 162 |
| 05:15 PM | 0 | 72 | 7 | 79 | 0 | 0 | 0 | 0 | 1 | 68 | 0 | 69 | 2 | 0 | 6 | 8 | 156 |
| 05:30 PM | 0 | 67 | 6 | 73 | 0 | 0 | 0 | 0 | 7 | 68 | 0 | 75 | 0 | 0 | 12 | 12 | 160 |
| 05:45 PM | 0 | 58 | 9 | 67 | 1 | 0 | 0 | 1 | 0 | 62 | 1 | 63 | 3 | 0 | 3 | 6 | 137 |
| Total | 0 | 286 | 26 | 312 | 1 | 0 | 0 | 1 | 10 | 260 | 1 | 271 | 7 | 0 | 24 | 31 | 615 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 570 | 36 | 606 | 1 | 0 | 1 | 2 | 16 | 524 | 2 | 542 | 19 | 0 | 39 | 58 | 1208 |
| Apprch % | 0 | 94.1 | 5.9 | | 50 | 0 | 50 | | 3 | 96.7 | 0.4 | | 32.8 | 0 | 67.2 | | |
| Total % | 0 | 47.2 | 3 | 50.2 | 0.1 | 0 | 0.1 | 0.2 | 1.3 | 43.4 | 0.2 | 44.9 | 1.6 | 0 | 3.2 | 4.8 | |

| | N Harbor Drive Southbound | | | | Yacht Club Way Westbound | | | | N Harbor Drive Northbound | | | | Yacht Club Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 76 | 2 | 78 | 0 | 0 | 0 | 0 | 3 | **72** | 0 | **75** | **5** | 0 | 6 | 11 | **164** |
| 05:00 PM | 0 | **89** | 4 | **93** | 0 | 0 | 0 | 0 | 2 | 62 | 0 | 64 | 2 | 0 | 3 | 5 | 162 |
| 05:15 PM | 0 | 72 | **7** | 79 | 0 | 0 | 0 | 0 | 1 | 68 | 0 | 69 | 2 | 0 | 6 | 8 | 156 |
| 05:30 PM | 0 | 67 | 6 | 73 | 0 | 0 | 0 | 0 | **7** | 68 | 0 | 75 | 0 | 0 | **12** | **12** | 160 |
| Total Volume | 0 | 304 | 19 | 323 | 0 | 0 | 0 | 0 | 13 | 270 | 0 | 283 | 9 | 0 | 27 | 36 | 642 |
| % App. Total | 0 | 94.1 | 5.9 | | 0 | 0 | 0 | | 4.6 | 95.4 | 0 | | 25 | 0 | 75 | | |
| PHF | .000 | .854 | .679 | .868 | .000 | .000 | .000 | .000 | .464 | .938 | .000 | .943 | .450 | .000 | .563 | .750 | .979 |

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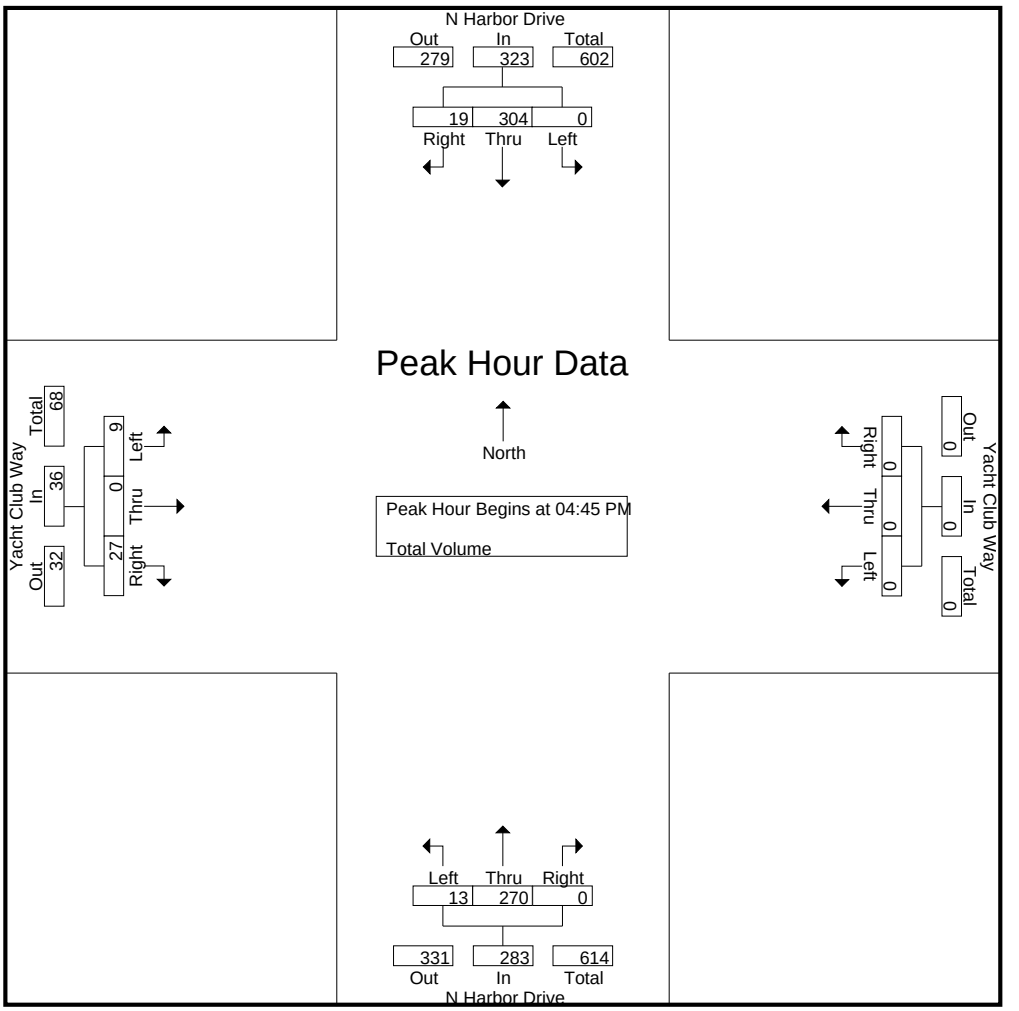
City of Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way
Weather: Clear

File Name : 02_RDB_Har_YC PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:00 PM | | | | 04:45 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 76 | 2 | 78 | 0 | 0 | **1** | **1** | 3 | **72** | 0 | **75** | **5** | 0 | 6 | 11 |
| +15 mins. | 0 | **89** | 4 | **93** | 0 | 0 | 0 | 0 | 2 | 62 | 0 | 64 | 2 | 0 | 3 | 5 |
| +30 mins. | 0 | 72 | **7** | 79 | 0 | 0 | 0 | 0 | 1 | 68 | 0 | 69 | 2 | 0 | 6 | 8 |
| +45 mins. | 0 | 67 | 6 | 73 | 0 | 0 | 0 | 0 | **7** | 68 | 0 | 75 | 0 | 0 | **12** | **12** |
| Total Volume | 0 | 304 | 19 | 323 | 0 | 0 | 1 | 1 | 13 | 270 | 0 | 283 | 9 | 0 | 27 | 36 |
| % App. Total | 0 | 94.1 | 5.9 | | 0 | 0 | 100 | | 4.6 | 95.4 | 0 | | 25 | 0 | 75 | |
| PHF | .000 | .854 | .679 | .868 | .000 | .000 | .250 | .250 | .464 | .938 | .000 | .943 | .450 | .000 | .563 | .750 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>N Harbor Drive | East Leg<br>Yacht Club Way | South Leg<br>N Harbor Drive | West Leg<br>Yacht Club Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 7:00 AM | 0 | 4 | 1 | 31 | 36 |
| 7:15 AM | 0 | 4 | 0 | 25 | 29 |
| 7:30 AM | 0 | 5 | 0 | 23 | 28 |
| 7:45 AM | 0 | 2 | 1 | 36 | 39 |
| 8:00 AM | 0 | 3 | 2 | 24 | 29 |
| 8:15 AM | 0 | 6 | 1 | 38 | 45 |
| 8:30 AM | 0 | 4 | 0 | 45 | 49 |
| 8:45 AM | 0 | 5 | 0 | 42 | 47 |
| TOTAL VOLUMES: | 0 | 33 | 5 | 264 | 302 |

| | North Leg<br>N Harbor Drive | East Leg<br>Yacht Club Way | South Leg<br>N Harbor Drive | West Leg<br>Yacht Club Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 11:00 AM | 0 | 5 | 0 | 41 | 46 |
| 11:15 AM | 0 | 3 | 0 | 59 | 62 |
| 11:30 AM | 0 | 0 | 2 | 24 | 26 |
| 11:45 AM | 0 | 6 | 1 | 21 | 28 |
| 12:00 PM | 1 | 9 | 1 | 39 | 50 |
| 12:15 PM | 0 | 2 | 1 | 32 | 35 |
| 12:30 PM | 0 | 2 | 0 | 27 | 29 |
| 12:45 PM | 0 | 4 | 0 | 28 | 32 |
| TOTAL VOLUMES: | 1 | 31 | 5 | 271 | 308 |

| | North Leg<br>N Harbor Drive | East Leg<br>Yacht Club Way | South Leg<br>N Harbor Drive | West Leg<br>Yacht Club Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 4:00 PM | 0 | 7 | 0 | 23 | 30 |
| 4:15 PM | 0 | 3 | 0 | 17 | 20 |
| 4:30 PM | 0 | 1 | 0 | 16 | 17 |
| 4:45 PM | 0 | 2 | 0 | 13 | 15 |
| 5:00 PM | 0 | 1 | 0 | 12 | 13 |
| 5:15 PM | 0 | 0 | 0 | 15 | 15 |
| 5:30 PM | 0 | 1 | 0 | 17 | 18 |
| 5:45 PM | 0 | 4 | 0 | 16 | 20 |
| TOTAL VOLUMES: | 0 | 19 | 0 | 129 | 148 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Yacht Club Way

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound N Harbor Drive | | | Westbound Yacht Club Way | | | Northbound N Harbor Drive | | | Eastbound Yacht Club Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 23 |
| 7:15 AM | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 28 |
| 7:30 AM | 1 | 29 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 49 |
| 7:45 AM | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 40 |
| 8:00 AM | 0 | 46 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 0 | 0 | 0 | 74 |
| 8:15 AM | 0 | 26 | 2 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 1 | 66 |
| 8:30 AM | 0 | 30 | 1 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 1 | 56 |
| 8:45 AM | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 78 |
| TOTAL VOLUMES: | 1 | 211 | 3 | 0 | 0 | 0 | 1 | 196 | 0 | 0 | 0 | 2 | 414 |

| | Southbound N Harbor Drive | | | Westbound Yacht Club Way | | | Northbound N Harbor Drive | | | Eastbound Yacht Club Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 93 |
| 11:15 AM | 0 | 29 | 1 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 1 | 80 |
| 11:30 AM | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 71 |
| 11:45 AM | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 98 |
| 12:00 PM | 0 | 63 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 2 | 94 |
| 12:15 PM | 0 | 47 | 0 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 103 |
| 12:30 PM | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 1 | 108 |
| 12:45 PM | 0 | 50 | 0 | 0 | 0 | 0 | 1 | 49 | 0 | 0 | 0 | 1 | 101 |
| TOTAL VOLUMES: | 0 | 366 | 1 | 0 | 0 | 0 | 1 | 375 | 0 | 0 | 0 | 5 | 748 |

| | Southbound N Harbor Drive | | | Westbound Yacht Club Way | | | Northbound N Harbor Drive | | | Eastbound Yacht Club Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 0 | 34 | 1 | 0 | 0 | 0 | 2 | 32 | 0 | 0 | 0 | 1 | 70 |
| 4:15 PM | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 64 |
| 4:30 PM | 0 | 28 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 61 |
| 4:45 PM | 0 | 33 | 3 | 0 | 0 | 0 | 0 | 34 | 0 | 1 | 0 | 0 | 71 |
| 5:00 PM | 1 | 25 | 1 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 41 |
| 5:15 PM | 0 | 24 | 0 | 0 | 0 | 0 | 1 | 27 | 0 | 0 | 0 | 0 | 52 |
| 5:30 PM | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 56 |
| 5:45 PM | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 46 |
| TOTAL VOLUMES: | 1 | 240 | 5 | 0 | 0 | 0 | 4 | 209 | 0 | 1 | 0 | 1 | 461 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way
Weather: Clear

File Name : 03_RDB_Har_Mar AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 7 | 18 | 25 | 0 | 0 | 0 | 0 | 10 | 11 | 0 | 21 | 1 | 0 | 3 | 4 | 50 |
| 07:15 AM | 0 | 9 | 8 | 17 | 0 | 0 | 0 | 0 | 11 | 11 | 0 | 22 | 4 | 0 | 0 | 4 | 43 |
| 07:30 AM | 0 | 6 | 20 | 26 | 0 | 0 | 0 | 0 | 10 | 15 | 0 | 25 | 4 | 0 | 1 | 5 | 56 |
| 07:45 AM | 0 | 10 | 20 | 30 | 0 | 0 | 0 | 0 | 22 | 20 | 0 | 42 | 12 | 0 | 6 | 18 | 90 |
| Total | 0 | 32 | 66 | 98 | 0 | 0 | 0 | 0 | 53 | 57 | 0 | 110 | 21 | 0 | 10 | 31 | 239 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 0 | 8 | 18 | 26 | 0 | 0 | 0 | 0 | 9 | 17 | 0 | 26 | 7 | 0 | 7 | 14 | 66 |
| 08:15 AM | 0 | 13 | 11 | 24 | 0 | 0 | 0 | 0 | 8 | 24 | 0 | 32 | 16 | 0 | 11 | 27 | 83 |
| 08:30 AM | 0 | 14 | 19 | 33 | 0 | 0 | 0 | 0 | 12 | 20 | 0 | 32 | 8 | 0 | 9 | 17 | 82 |
| 08:45 AM | 0 | 22 | 16 | 38 | 0 | 0 | 0 | 0 | 16 | 26 | 0 | 42 | 11 | 0 | 14 | 25 | 105 |
| Total | 0 | 57 | 64 | 121 | 0 | 0 | 0 | 0 | 45 | 87 | 0 | 132 | 42 | 0 | 41 | 83 | 336 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 89 | 130 | 219 | 0 | 0 | 0 | 0 | 98 | 144 | 0 | 242 | 63 | 0 | 51 | 114 | 575 |
| Apprch % | 0 | 40.6 | 59.4 | | 0 | 0 | 0 | | 40.5 | 59.5 | 0 | | 55.3 | 0 | 44.7 | | |
| Total % | 0 | 15.5 | 22.6 | 38.1 | 0 | 0 | 0 | 0 | 17 | 25 | 0 | 42.1 | 11 | 0 | 8.9 | 19.8 | |

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | | | | | | | | |
| 08:00 AM | 0 | 8 | 18 | 26 | 0 | 0 | 0 | 0 | 9 | 17 | 0 | 26 | 7 | 0 | 7 | 14 | 66 |
| 08:15 AM | 0 | 13 | 11 | 24 | 0 | 0 | 0 | 0 | 8 | 24 | 0 | 32 | **16** | 0 | 11 | **27** | 83 |
| 08:30 AM | 0 | 14 | **19** | 33 | 0 | 0 | 0 | 0 | 12 | 20 | 0 | 32 | 8 | 0 | 9 | 17 | 82 |
| 08:45 AM | 0 | **22** | 16 | **38** | 0 | 0 | 0 | 0 | **16** | **26** | 0 | **42** | 11 | 0 | **14** | 25 | **105** |
| Total Volume | 0 | 57 | 64 | 121 | 0 | 0 | 0 | 0 | 45 | 87 | 0 | 132 | 42 | 0 | 41 | 83 | 336 |
| % App. Total | 0 | 47.1 | 52.9 | | 0 | 0 | 0 | | 34.1 | 65.9 | 0 | | 50.6 | 0 | 49.4 | | |
| PHF | .000 | .648 | .842 | .796 | .000 | .000 | .000 | .000 | .703 | .837 | .000 | .786 | .656 | .000 | .732 | .769 | .800 |

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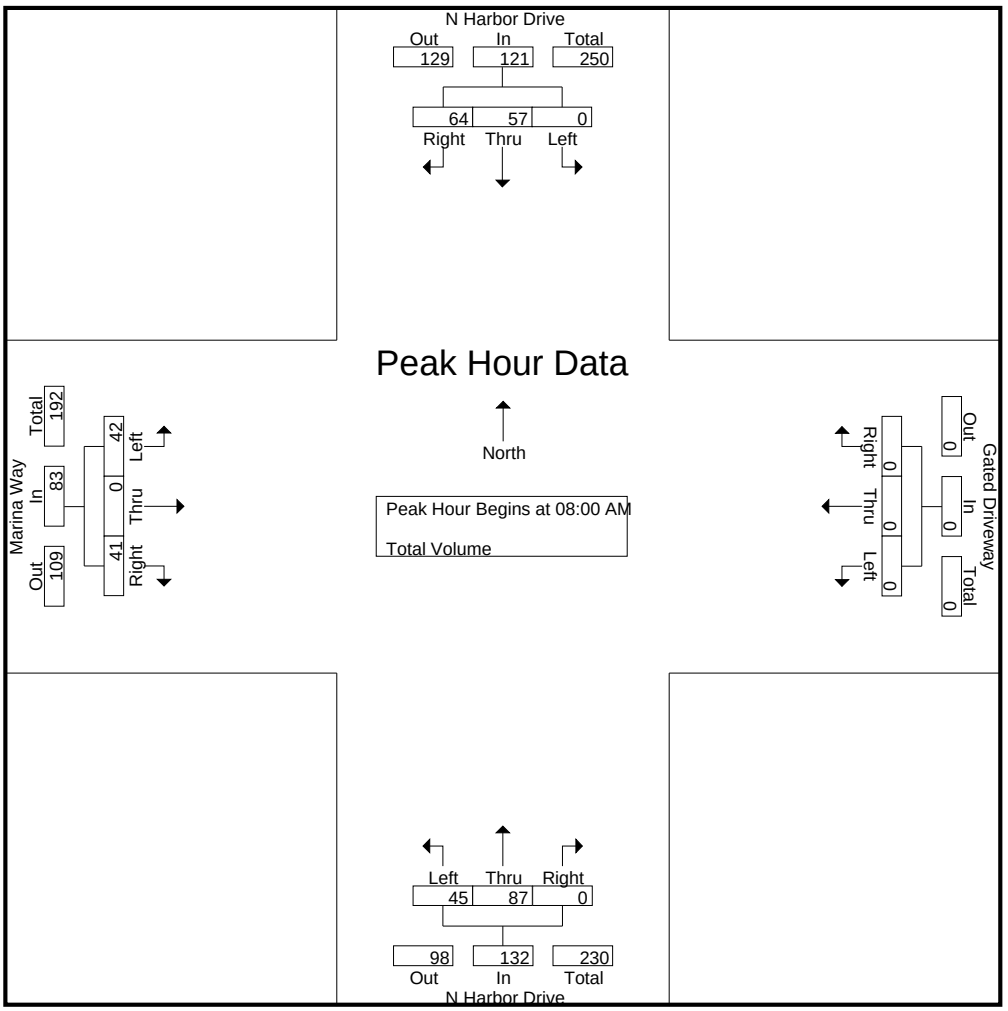
City of Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way
Weather: Clear

File Name : 03_RDB_Har_Mar AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:00 AM | | | | 07:45 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 8 | 18 | 26 | 0 | 0 | 0 | 0 | **22** | 20 | 0 | **42** | 7 | 0 | 7 | 14 |
| +15 mins. | 0 | 13 | 11 | 24 | 0 | 0 | 0 | 0 | 9 | 17 | 0 | 26 | **16** | 0 | 11 | **27** |
| +30 mins. | 0 | 14 | **19** | 33 | 0 | 0 | 0 | 0 | 8 | **24** | 0 | 32 | 8 | 0 | 9 | 17 |
| +45 mins. | 0 | **22** | 16 | **38** | 0 | 0 | 0 | 0 | 12 | 20 | 0 | 32 | 11 | 0 | **14** | 25 |
| Total Volume | 0 | 57 | 64 | 121 | 0 | 0 | 0 | 0 | 51 | 81 | 0 | 132 | 42 | 0 | 41 | 83 |
| % App. Total | 0 | 47.1 | 52.9 | | 0 | 0 | 0 | | 38.6 | 61.4 | 0 | | 50.6 | 0 | 49.4 | |
| PHF | .000 | .648 | .842 | .796 | .000 | .000 | .000 | .000 | .580 | .844 | .000 | .786 | .656 | .000 | .732 | .769 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way
Weather: Clear

File Name : 03_RDB_Har_Mar MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 11:00 AM | 0 | 39 | 15 | 54 | 0 | 0 | 0 | 0 | 16 | 26 | 0 | 42 | 23 | 0 | 15 | 38 | 134 |
| 11:15 AM | 0 | 42 | 25 | 67 | 0 | 0 | 0 | 0 | 19 | 37 | 0 | 56 | 15 | 0 | 15 | 30 | 153 |
| 11:30 AM | 0 | 36 | 28 | 64 | 0 | 0 | 0 | 0 | 22 | 31 | 0 | 53 | 24 | 0 | 21 | 45 | 162 |
| 11:45 AM | 0 | 38 | 25 | 63 | 0 | 0 | 0 | 0 | 27 | 40 | 0 | 67 | 24 | 0 | 16 | 40 | 170 |
| Total | 0 | 155 | 93 | 248 | 0 | 0 | 0 | 0 | 84 | 134 | 0 | 218 | 86 | 0 | 67 | 153 | 619 |
| | | | | | | | | | | | | | | | | | |
| 12:00 PM | 0 | 37 | 43 | 80 | 0 | 0 | 0 | 0 | 15 | 36 | 0 | 51 | 23 | 0 | 17 | 40 | 171 |
| 12:15 PM | 0 | 44 | 18 | 62 | 0 | 0 | 0 | 0 | 18 | 37 | 0 | 55 | 18 | 0 | 13 | 31 | 148 |
| 12:30 PM | 0 | 39 | 21 | 60 | 0 | 0 | 0 | 0 | 10 | 44 | 0 | 54 | 27 | 0 | 23 | 50 | 164 |
| 12:45 PM | 0 | 39 | 15 | 54 | 0 | 0 | 0 | 0 | 22 | 41 | 0 | 63 | 21 | 0 | 13 | 34 | 151 |
| Total | 0 | 159 | 97 | 256 | 0 | 0 | 0 | 0 | 65 | 158 | 0 | 223 | 89 | 0 | 66 | 155 | 634 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 314 | 190 | 504 | 0 | 0 | 0 | 0 | 149 | 292 | 0 | 441 | 175 | 0 | 133 | 308 | 1253 |
| Apprch % | 0 | 62.3 | 37.7 | | 0 | 0 | 0 | | 33.8 | 66.2 | 0 | | 56.8 | 0 | 43.2 | | |
| Total % | 0 | 25.1 | 15.2 | 40.2 | 0 | 0 | 0 | 0 | 11.9 | 23.3 | 0 | 35.2 | 14 | 0 | 10.6 | 24.6 | |

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 11:15 AM | | | | | | | | | | | | | | | | | |
| 11:15 AM | 0 | **42** | 25 | 67 | 0 | 0 | 0 | 0 | 19 | 37 | 0 | 56 | 15 | 0 | 15 | 30 | 153 |
| 11:30 AM | 0 | 36 | 28 | 64 | 0 | 0 | 0 | 0 | 22 | 31 | 0 | 53 | **24** | 0 | **21** | **45** | 162 |
| 11:45 AM | 0 | 38 | 25 | 63 | 0 | 0 | 0 | 0 | **27** | **40** | 0 | **67** | 24 | 0 | 16 | 40 | 170 |
| 12:00 PM | 0 | 37 | **43** | **80** | 0 | 0 | 0 | 0 | 15 | 36 | 0 | 51 | 23 | 0 | 17 | 40 | **171** |
| Total Volume | 0 | 153 | 121 | 274 | 0 | 0 | 0 | 0 | 83 | 144 | 0 | 227 | 86 | 0 | 69 | 155 | 656 |
| % App. Total | 0 | 55.8 | 44.2 | | 0 | 0 | 0 | | 36.6 | 63.4 | 0 | | 55.5 | 0 | 44.5 | | |
| PHF | .000 | .911 | .703 | .856 | .000 | .000 | .000 | .000 | .769 | .900 | .000 | .847 | .896 | .000 | .821 | .861 | .959 |

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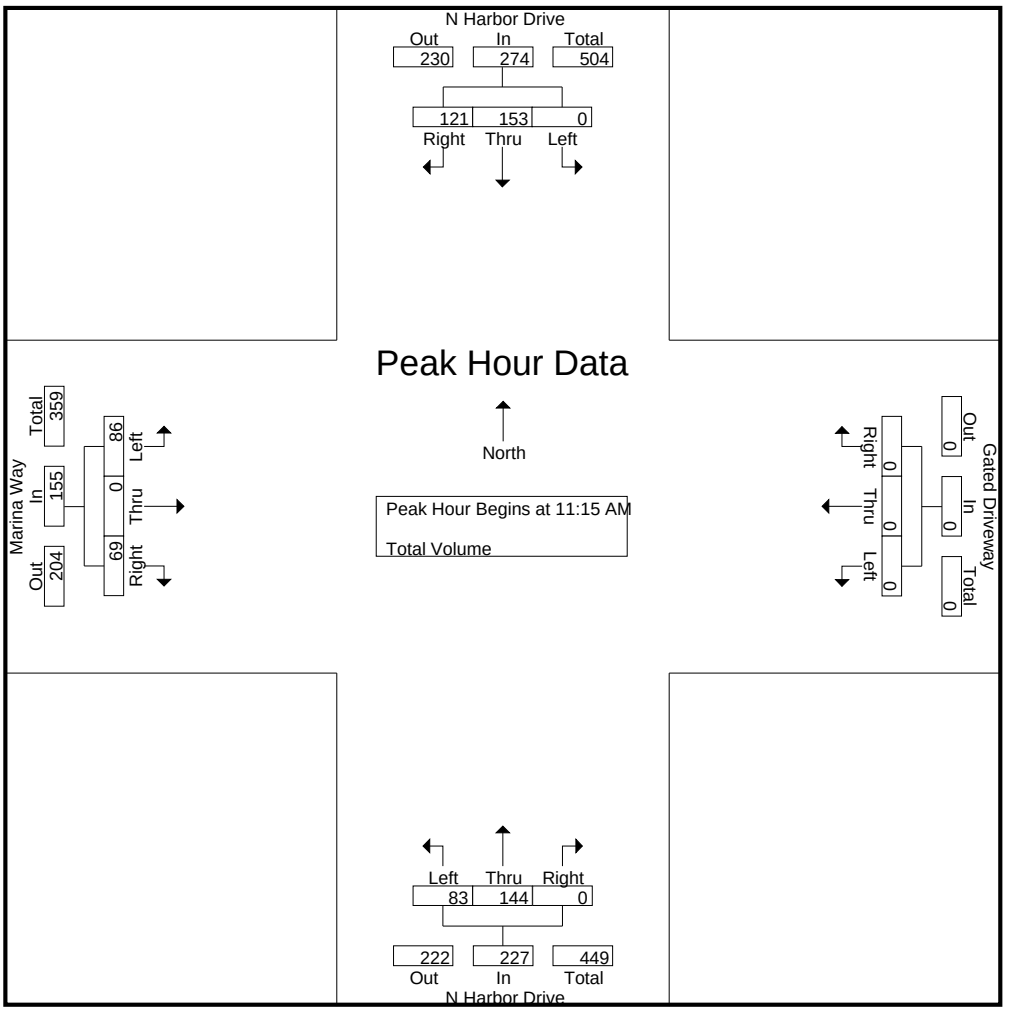
File Name : 03_RDB_Har_Mar MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 11:15 AM | | | | 11:00 AM | | | | 11:15 AM | | | | 11:45 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | **42** | 25 | 67 | 0 | 0 | 0 | 0 | 19 | 37 | 0 | 56 | 24 | 0 | 16 | 40 |
| +15 mins. | 0 | 36 | 28 | 64 | 0 | 0 | 0 | 0 | 22 | 31 | 0 | 53 | 23 | 0 | 17 | 40 |
| +30 mins. | 0 | 38 | 25 | 63 | 0 | 0 | 0 | 0 | **27** | **40** | 0 | **67** | 18 | 0 | 13 | 31 |
| +45 mins. | 0 | 37 | **43** | **80** | 0 | 0 | 0 | 0 | 15 | 36 | 0 | 51 | **27** | 0 | **23** | **50** |
| Total Volume | 0 | 153 | 121 | 274 | 0 | 0 | 0 | 0 | 83 | 144 | 0 | 227 | 92 | 0 | 69 | 161 |
| % App. Total | 0 | 55.8 | 44.2 | | 0 | 0 | 0 | | 36.6 | 63.4 | 0 | | 57.1 | 0 | 42.9 | |
| PHF | .000 | .911 | .703 | .856 | .000 | .000 | .000 | .000 | .769 | .900 | .000 | .847 | .852 | .000 | .750 | .805 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way
Weather: Clear

File Name : 03_RDB_Har_Mar PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 0 | 52 | 19 | 71 | 0 | 0 | 0 | 0 | 18 | 39 | 0 | 57 | 18 | 0 | 13 | 31 | 159 |
| 04:15 PM | 0 | 50 | 19 | 69 | 0 | 0 | 0 | 0 | 18 | 54 | 0 | 72 | 22 | 0 | 15 | 37 | 178 |
| 04:30 PM | 0 | 40 | 25 | 65 | 0 | 0 | 0 | 0 | 19 | 46 | 0 | 65 | 18 | 0 | 18 | 36 | 166 |
| 04:45 PM | 0 | 47 | 37 | 84 | 0 | 0 | 0 | 0 | 16 | 47 | 0 | 63 | 26 | 0 | 25 | 51 | 198 |
| Total | 0 | 189 | 100 | 289 | 0 | 0 | 0 | 0 | 71 | 186 | 0 | 257 | 84 | 0 | 71 | 155 | 701 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 58 | 28 | 86 | 0 | 0 | 0 | 0 | 21 | 34 | 0 | 55 | 24 | 0 | 26 | 50 | 191 |
| 05:15 PM | 0 | 56 | 25 | 81 | 0 | 0 | 0 | 0 | 13 | 52 | 0 | 65 | 18 | 0 | 24 | 42 | 188 |
| 05:30 PM | 0 | 52 | 28 | 80 | 0 | 0 | 0 | 0 | 23 | 43 | 0 | 66 | 36 | 0 | 20 | 56 | 202 |
| 05:45 PM | 0 | 40 | 25 | 65 | 0 | 0 | 0 | 0 | 29 | 43 | 0 | 72 | 18 | 0 | 16 | 34 | 171 |
| Total | 0 | 206 | 106 | 312 | 0 | 0 | 0 | 0 | 86 | 172 | 0 | 258 | 96 | 0 | 86 | 182 | 752 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 395 | 206 | 601 | 0 | 0 | 0 | 0 | 157 | 358 | 0 | 515 | 180 | 0 | 157 | 337 | 1453 |
| Apprch % | 0 | 65.7 | 34.3 | | 0 | 0 | 0 | | 30.5 | 69.5 | 0 | | 53.4 | 0 | 46.6 | | |
| Total % | 0 | 27.2 | 14.2 | 41.4 | 0 | 0 | 0 | 0 | 10.8 | 24.6 | 0 | 35.4 | 12.4 | 0 | 10.8 | 23.2 | |

| | N Harbor Drive Southbound | | | | Gated Driveway Westbound | | | | N Harbor Drive Northbound | | | | Marina Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 0 | 47 | **37** | 84 | 0 | 0 | 0 | 0 | 16 | 47 | 0 | 63 | 26 | 0 | 25 | 51 | 198 |
| 05:00 PM | 0 | **58** | 28 | **86** | 0 | 0 | 0 | 0 | 21 | 34 | 0 | 55 | 24 | 0 | **26** | 50 | 191 |
| 05:15 PM | 0 | 56 | 25 | 81 | 0 | 0 | 0 | 0 | 13 | **52** | 0 | 65 | 18 | 0 | 24 | 42 | 188 |
| 05:30 PM | 0 | 52 | 28 | 80 | 0 | 0 | 0 | 0 | **23** | 43 | 0 | **66** | **36** | 0 | 20 | **56** | **202** |
| Total Volume | 0 | 213 | 118 | 331 | 0 | 0 | 0 | 0 | 73 | 176 | 0 | 249 | 104 | 0 | 95 | 199 | 779 |
| % App. Total | 0 | 64.4 | 35.6 | | 0 | 0 | 0 | | 29.3 | 70.7 | 0 | | 52.3 | 0 | 47.7 | | |
| PHF | .000 | .918 | .797 | .962 | .000 | .000 | .000 | .000 | .793 | .846 | .000 | .943 | .722 | .000 | .913 | .888 | .964 |

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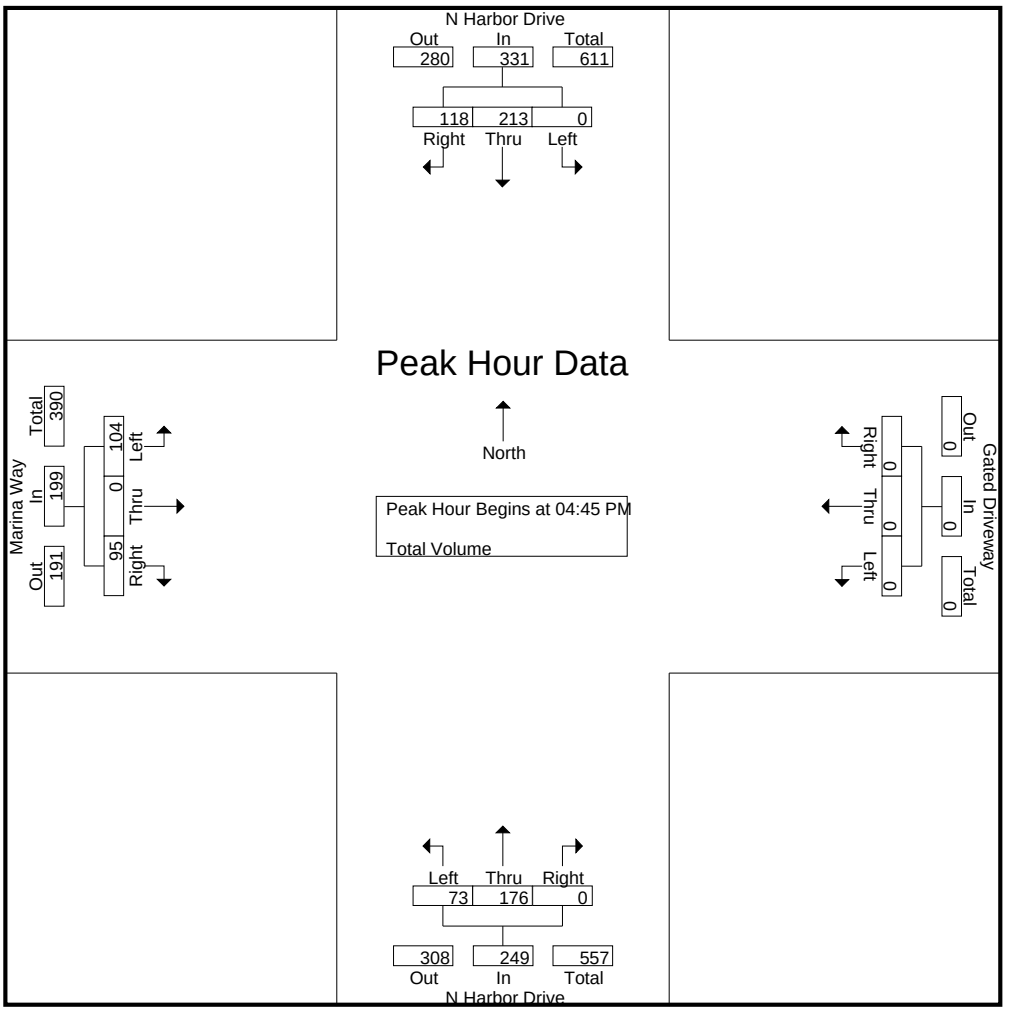
City of Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way
Weather: Clear

File Name : 03_RDB_Har_Mar PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:00 PM | | | | 05:00 PM | | | | 04:45 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | 47 | **37** | 84 | 0 | 0 | 0 | 0 | 21 | 34 | 0 | 55 | 26 | 0 | 25 | 51 |
| +15 mins. | 0 | **58** | 28 | **86** | 0 | 0 | 0 | 0 | 13 | **52** | 0 | 65 | 24 | 0 | **26** | 50 |
| +30 mins. | 0 | 56 | 25 | 81 | 0 | 0 | 0 | 0 | 23 | 43 | 0 | 66 | 18 | 0 | 24 | 42 |
| +45 mins. | 0 | 52 | 28 | 80 | 0 | 0 | 0 | 0 | **29** | 43 | 0 | **72** | **36** | 0 | 20 | **56** |
| Total Volume | 0 | 213 | 118 | 331 | 0 | 0 | 0 | 0 | 86 | 172 | 0 | 258 | 104 | 0 | 95 | 199 |
| % App. Total | 0 | 64.4 | 35.6 | | 0 | 0 | 0 | | 33.3 | 66.7 | 0 | | 52.3 | 0 | 47.7 | |
| PHF | .000 | .918 | .797 | .962 | .000 | .000 | .000 | .000 | .741 | .827 | .000 | .896 | .722 | .000 | .913 | .888 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>N Harbor Drive | East Leg<br>Gated Driveway | South Leg<br>N Harbor Drive | West Leg<br>Marina Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 7:00 AM | 0 | 5 | 0 | 25 | 30 |
| 7:15 AM | 0 | 2 | 0 | 31 | 33 |
| 7:30 AM | 0 | 4 | 0 | 21 | 25 |
| 7:45 AM | 1 | 0 | 1 | 32 | 34 |
| 8:00 AM | 1 | 3 | 0 | 19 | 23 |
| 8:15 AM | 0 | 6 | 0 | 46 | 52 |
| 8:30 AM | 1 | 1 | 0 | 35 | 37 |
| 8:45 AM | 6 | 8 | 0 | 32 | 46 |
| TOTAL VOLUMES: | 9 | 29 | 1 | 241 | 280 |

| | North Leg<br>N Harbor Drive | East Leg<br>Gated Driveway | South Leg<br>N Harbor Drive | West Leg<br>Marina Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 11:00 AM | 1 | 2 | 0 | 44 | 47 |
| 11:15 AM | 0 | 2 | 2 | 46 | 50 |
| 11:30 AM | 0 | 0 | 0 | 38 | 38 |
| 11:45 AM | 0 | 2 | 0 | 22 | 24 |
| 12:00 PM | 0 | 0 | 0 | 39 | 39 |
| 12:15 PM | 0 | 1 | 0 | 32 | 33 |
| 12:30 PM | 0 | 2 | 0 | 35 | 37 |
| 12:45 PM | 2 | 1 | 0 | 32 | 35 |
| TOTAL VOLUMES: | 3 | 10 | 2 | 288 | 303 |

| | North Leg<br>N Harbor Drive | East Leg<br>Gated Driveway | South Leg<br>N Harbor Drive | West Leg<br>Marina Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 4:00 PM | 3 | 4 | 0 | 27 | 34 |
| 4:15 PM | 0 | 3 | 0 | 24 | 27 |
| 4:30 PM | 0 | 0 | 0 | 14 | 14 |
| 4:45 PM | 0 | 2 | 1 | 17 | 20 |
| 5:00 PM | 0 | 1 | 0 | 18 | 19 |
| 5:15 PM | 0 | 0 | 0 | 10 | 10 |
| 5:30 PM | 0 | 2 | 1 | 10 | 13 |
| 5:45 PM | 0 | 2 | 0 | 13 | 15 |
| TOTAL VOLUMES: | 3 | 14 | 2 | 133 | 152 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Marina Way

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound N Harbor Drive | | | Westbound Gated Driveway | | | Northbound N Harbor Drive | | | Eastbound Marina Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 1 | 23 |
| 7:15 AM | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 26 | 0 | 0 | 0 | 0 | 32 |
| 7:30 AM | 0 | 23 | 1 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 41 |
| 7:45 AM | 0 | 22 | 2 | 0 | 0 | 0 | 1 | 16 | 0 | 0 | 0 | 1 | 42 |
| 8:00 AM | 0 | 42 | 1 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 67 |
| 8:15 AM | 0 | 22 | 3 | 0 | 0 | 0 | 4 | 40 | 0 | 0 | 0 | 0 | 69 |
| 8:30 AM | 0 | 27 | 2 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 52 |
| 8:45 AM | 0 | 39 | 3 | 0 | 0 | 0 | 0 | 36 | 0 | 1 | 0 | 0 | 79 |
| TOTAL VOLUMES: | 0 | 189 | 12 | 0 | 0 | 0 | 7 | 194 | 0 | 1 | 0 | 2 | 405 |

| | Southbound N Harbor Drive | | | Westbound Gated Driveway | | | Northbound N Harbor Drive | | | Eastbound Marina Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 0 | 47 | 0 | 0 | 0 | 0 | 1 | 44 | 0 | 0 | 0 | 4 | 96 |
| 11:15 AM | 0 | 31 | 1 | 0 | 0 | 0 | 2 | 46 | 0 | 2 | 0 | 0 | 82 |
| 11:30 AM | 0 | 22 | 1 | 0 | 0 | 0 | 1 | 42 | 0 | 4 | 0 | 1 | 71 |
| 11:45 AM | 0 | 35 | 2 | 0 | 0 | 0 | 1 | 52 | 0 | 0 | 0 | 3 | 93 |
| 12:00 PM | 0 | 68 | 0 | 0 | 0 | 0 | 1 | 33 | 0 | 1 | 0 | 2 | 105 |
| 12:15 PM | 0 | 40 | 0 | 0 | 0 | 0 | 1 | 47 | 0 | 1 | 0 | 1 | 90 |
| 12:30 PM | 0 | 57 | 1 | 0 | 0 | 0 | 0 | 49 | 0 | 1 | 0 | 1 | 109 |
| 12:45 PM | 0 | 49 | 1 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 1 | 97 |
| TOTAL VOLUMES: | 0 | 349 | 6 | 0 | 0 | 0 | 7 | 359 | 0 | 9 | 0 | 13 | 743 |

| | Southbound N Harbor Drive | | | Westbound Gated Driveway | | | Northbound N Harbor Drive | | | Eastbound Marina Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 0 | 33 | 0 | 0 | 0 | 0 | 5 | 27 | 0 | 0 | 0 | 0 | 65 |
| 4:15 PM | 0 | 26 | 6 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 4 | 66 |
| 4:30 PM | 0 | 31 | 2 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 3 | 65 |
| 4:45 PM | 0 | 30 | 2 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 1 | 64 |
| 5:00 PM | 0 | 25 | 0 | 0 | 0 | 0 | 1 | 17 | 0 | 1 | 0 | 2 | 46 |
| 5:15 PM | 0 | 21 | 3 | 0 | 0 | 0 | 0 | 25 | 0 | 1 | 0 | 0 | 50 |
| 5:30 PM | 0 | 35 | 4 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 2 | 56 |
| 5:45 PM | 0 | 18 | 2 | 0 | 0 | 0 | 0 | 20 | 0 | 2 | 0 | 5 | 47 |
| TOTAL VOLUMES: | 0 | 219 | 19 | 0 | 0 | 0 | 6 | 194 | 0 | 4 | 0 | 17 | 459 |

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(951) 268-6268

City of Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl Street
Weather: Clear

File Name : 04_RDB_Har_Beryl AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 6 | 2 | 0 | 8 | 3 | 5 | 22 | 30 | 0 | 5 | 2 | 7 | 0 | 6 | 0 | 6 | 51 |
| 07:15 AM | 5 | 4 | 0 | 9 | 2 | 10 | 17 | 29 | 0 | 0 | 3 | 3 | 0 | 2 | 0 | 2 | 43 |
| 07:30 AM | 8 | 3 | 0 | 11 | 1 | 4 | 27 | 32 | 0 | 5 | 7 | 12 | 0 | 0 | 0 | 0 | 55 |
| 07:45 AM | 12 | 3 | 0 | 15 | 2 | 17 | 35 | 54 | 0 | 4 | 8 | 12 | 0 | 2 | 0 | 2 | 83 |
| Total | 31 | 12 | 0 | 43 | 8 | 36 | 101 | 145 | 0 | 14 | 20 | 34 | 0 | 10 | 0 | 10 | 232 |
| | | | | | | | | | | | | | | | | | |
| 08:00 AM | 15 | 1 | 1 | 17 | 2 | 12 | 31 | 45 | 0 | 4 | 5 | 9 | 0 | 5 | 0 | 5 | 76 |
| 08:15 AM | 19 | 4 | 1 | 24 | 13 | 11 | 25 | 49 | 2 | 3 | 3 | 8 | 1 | 8 | 1 | 10 | 91 |
| 08:30 AM | 11 | 9 | 3 | 23 | 2 | 15 | 30 | 47 | 1 | 3 | 6 | 10 | 2 | 5 | 1 | 8 | 88 |
| 08:45 AM | 19 | 12 | 4 | 35 | 9 | 15 | 44 | 68 | 0 | 4 | 10 | 14 | 2 | 11 | 0 | 13 | 130 |
| Total | 64 | 26 | 9 | 99 | 26 | 53 | 130 | 209 | 3 | 14 | 24 | 41 | 5 | 29 | 2 | 36 | 385 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 95 | 38 | 9 | 142 | 34 | 89 | 231 | 354 | 3 | 28 | 44 | 75 | 5 | 39 | 2 | 46 | 617 |
| Apprch % | 66.9 | 26.8 | 6.3 | | 9.6 | 25.1 | 65.3 | | 4 | 37.3 | 58.7 | | 10.9 | 84.8 | 4.3 | | |
| Total % | 15.4 | 6.2 | 1.5 | 23 | 5.5 | 14.4 | 37.4 | 57.4 | 0.5 | 4.5 | 7.1 | 12.2 | 0.8 | 6.3 | 0.3 | 7.5 | |

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | | | | | | | | |
| 08:00 AM | 15 | 1 | 1 | 17 | 2 | 12 | 31 | 45 | 0 | **4** | 5 | 9 | 0 | 5 | 0 | 5 | 76 |
| 08:15 AM | **19** | 4 | 1 | 24 | **13** | 11 | 25 | 49 | **2** | 3 | 3 | 8 | 1 | 8 | **1** | 10 | 91 |
| 08:30 AM | 11 | 9 | 3 | 23 | 2 | **15** | 30 | 47 | 1 | 3 | 6 | 10 | **2** | 5 | 1 | 8 | 88 |
| 08:45 AM | 19 | **12** | **4** | **35** | 9 | 15 | **44** | **68** | 0 | 4 | **10** | **14** | 2 | **11** | 0 | **13** | **130** |
| Total Volume | 64 | 26 | 9 | 99 | 26 | 53 | 130 | 209 | 3 | 14 | 24 | 41 | 5 | 29 | 2 | 36 | 385 |
| % App. Total | 64.6 | 26.3 | 9.1 | | 12.4 | 25.4 | 62.2 | | 7.3 | 34.1 | 58.5 | | 13.9 | 80.6 | 5.6 | | |
| PHF | .842 | .542 | .563 | .707 | .500 | .883 | .739 | .768 | .375 | .875 | .600 | .732 | .625 | .659 | .500 | .692 | .740 |

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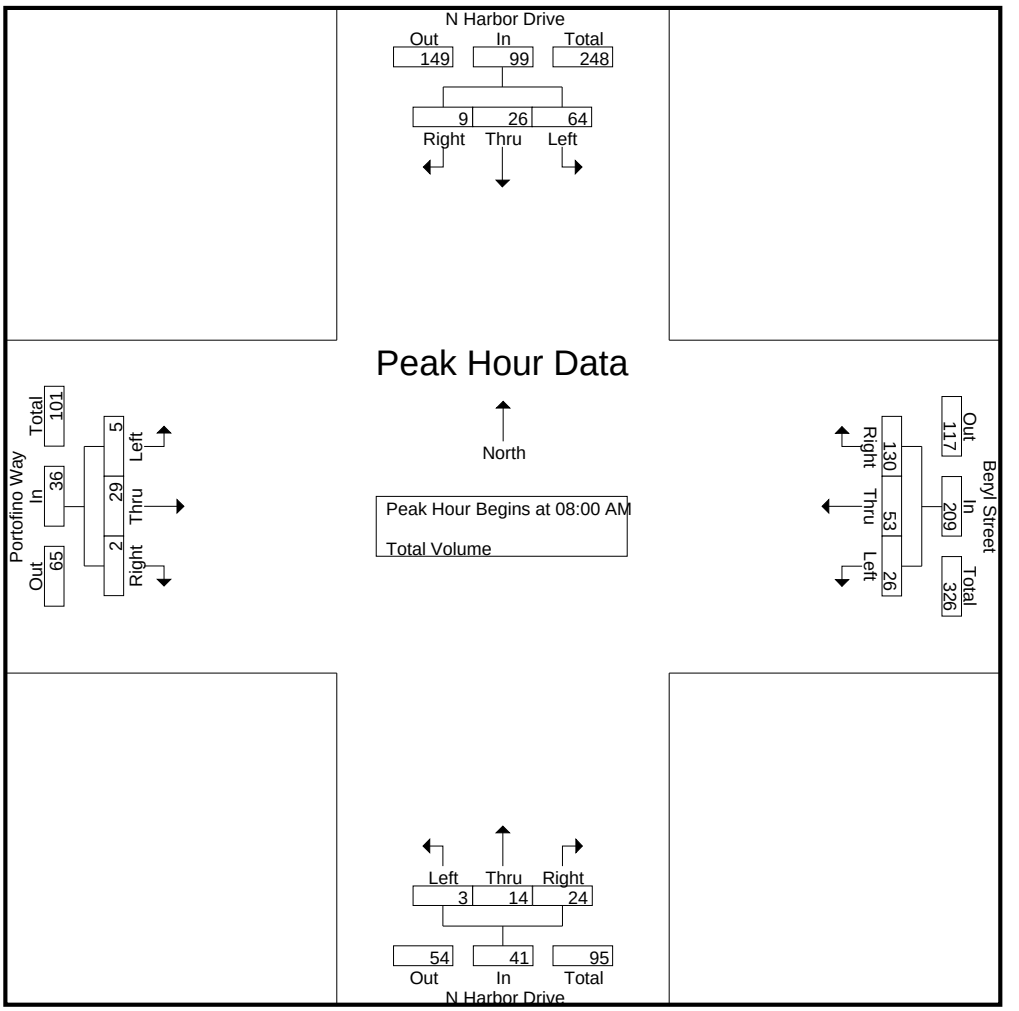
City of Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl Street
Weather: Clear

File Name : 04_RDB_Har_Beryl AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 08:00 AM | | | | 07:30 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 15 | 1 | 1 | 17 | 2 | 12 | 31 | 45 | 0 | **5** | 7 | **12** | 0 | 5 | 0 | 5 |
| +15 mins. | **19** | 4 | 1 | 24 | **13** | 11 | 25 | 49 | 0 | 4 | **8** | 12 | 1 | 8 | **1** | 10 |
| +30 mins. | 11 | 9 | 3 | 23 | 2 | **15** | 30 | 47 | 0 | 4 | 5 | 9 | **2** | 5 | 1 | 8 |
| +45 mins. | 19 | **12** | **4** | **35** | 9 | 15 | **44** | **68** | **2** | 3 | 3 | 8 | 2 | **11** | 0 | **13** |
| Total Volume | 64 | 26 | 9 | 99 | 26 | 53 | 130 | 209 | 2 | 16 | 23 | 41 | 5 | 29 | 2 | 36 |
| % App. Total | 64.6 | 26.3 | 9.1 | | 12.4 | 25.4 | 62.2 | | 4.9 | 39 | 56.1 | | 13.9 | 80.6 | 5.6 | |
| PHF | .842 | .542 | .563 | .707 | .500 | .883 | .739 | .768 | .250 | .800 | .719 | .854 | .625 | .659 | .500 | .692 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl Street
Weather: Clear

File Name : 04_RDB_Har_Beryl MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 11:00 AM | 37 | 14 | 8 | 59 | 7 | 15 | 44 | 66 | 0 | 8 | 14 | 22 | 2 | 12 | 0 | 14 | 161 |
| 11:15 AM | 34 | 16 | 4 | 54 | 13 | 19 | 58 | 90 | 0 | 5 | 10 | 15 | 5 | 12 | 0 | 17 | 176 |
| 11:30 AM | 33 | 20 | 6 | 59 | 7 | 11 | 62 | 80 | 0 | 6 | 8 | 14 | 5 | 13 | 2 | 20 | 173 |
| 11:45 AM | 33 | 13 | 7 | 53 | 13 | 8 | 61 | 82 | 0 | 5 | 13 | 18 | 9 | 12 | 1 | 22 | 175 |
| Total | 137 | 63 | 25 | 225 | 40 | 53 | 225 | 318 | 0 | 24 | 45 | 69 | 21 | 49 | 3 | 73 | 685 |
| | | | | | | | | | | | | | | | | | |
| 12:00 PM | 38 | 12 | 4 | 54 | 11 | 11 | 51 | 73 | 1 | 7 | 10 | 18 | 2 | 11 | 2 | 15 | 160 |
| 12:15 PM | 38 | 18 | 6 | 62 | 20 | 8 | 49 | 77 | 2 | 8 | 16 | 26 | 3 | 11 | 1 | 15 | 180 |
| 12:30 PM | 50 | 12 | 3 | 65 | 15 | 10 | 52 | 77 | 0 | 7 | 30 | 37 | 2 | 13 | 2 | 17 | 196 |
| 12:45 PM | 36 | 15 | 1 | 52 | 17 | 8 | 59 | 84 | 1 | 13 | 19 | 33 | 2 | 14 | 0 | 16 | 185 |
| Total | 162 | 57 | 14 | 233 | 63 | 37 | 211 | 311 | 4 | 35 | 75 | 114 | 9 | 49 | 5 | 63 | 721 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 299 | 120 | 39 | 458 | 103 | 90 | 436 | 629 | 4 | 59 | 120 | 183 | 30 | 98 | 8 | 136 | 1406 |
| Apprch % | 65.3 | 26.2 | 8.5 | | 16.4 | 14.3 | 69.3 | | 2.2 | 32.2 | 65.6 | | 22.1 | 72.1 | 5.9 | | |
| Total % | 21.3 | 8.5 | 2.8 | 32.6 | 7.3 | 6.4 | 31 | 44.7 | 0.3 | 4.2 | 8.5 | 13 | 2.1 | 7 | 0.6 | 9.7 | |

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 38 | 12 | 4 | 54 | 11 | **11** | 51 | 73 | 1 | 7 | 10 | 18 | 2 | 11 | **2** | 15 | 160 |
| 12:15 PM | 38 | **18** | **6** | 62 | **20** | 8 | 49 | 77 | **2** | 8 | 16 | 26 | **3** | 11 | 1 | 15 | 180 |
| 12:30 PM | **50** | 12 | 3 | **65** | 15 | 10 | 52 | 77 | 0 | 7 | **30** | **37** | 2 | 13 | 2 | **17** | **196** |
| 12:45 PM | 36 | 15 | 1 | 52 | 17 | 8 | **59** | **84** | 1 | **13** | 19 | 33 | 2 | **14** | 0 | 16 | 185 |
| Total Volume | 162 | 57 | 14 | 233 | 63 | 37 | 211 | 311 | 4 | 35 | 75 | 114 | 9 | 49 | 5 | 63 | 721 |
| % App. Total | 69.5 | 24.5 | 6 | | 20.3 | 11.9 | 67.8 | | 3.5 | 30.7 | 65.8 | | 14.3 | 77.8 | 7.9 | | |
| PHF | .810 | .792 | .583 | .896 | .788 | .841 | .894 | .926 | .500 | .673 | .625 | .770 | .750 | .875 | .625 | .926 | .920 |

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N/S: N Harbor Drive
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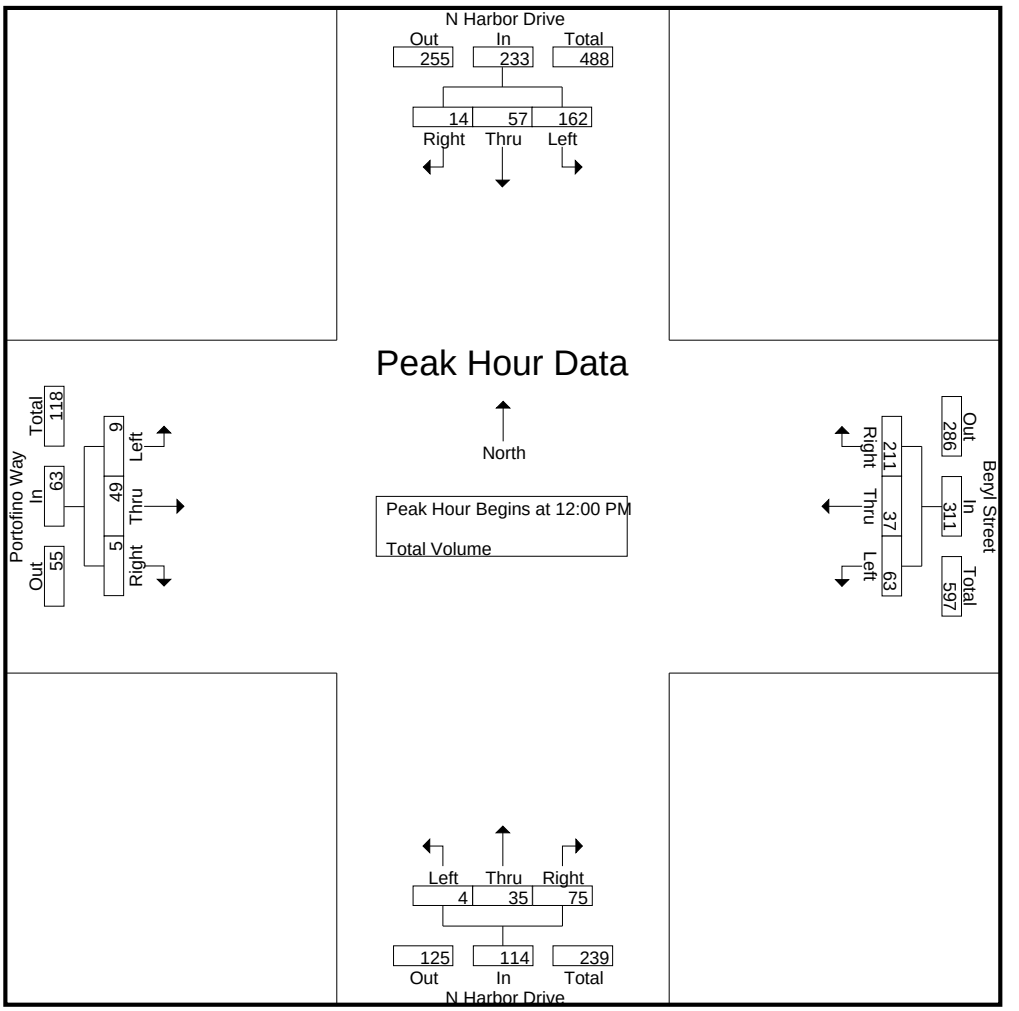
Weather: Clear

File Name : 04_RDB_Har_Beryl MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 11:45 AM | | | | 11:15 AM | | | | 12:00 PM | | | | 11:15 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 33 | 13 | **7** | 53 | **13** | **19** | 58 | **90** | 1 | 7 | 10 | 18 | 5 | 12 | 0 | 17 |
| +15 mins. | 38 | 12 | 4 | 54 | 7 | 11 | **62** | 80 | **2** | 8 | 16 | 26 | 5 | **13** | **2** | 20 |
| +30 mins. | 38 | **18** | 6 | 62 | 13 | 8 | 61 | 82 | 0 | 7 | **30** | **37** | **9** | 12 | 1 | **22** |
| +45 mins. | **50** | 12 | 3 | **65** | 11 | 11 | 51 | 73 | 1 | **13** | 19 | 33 | 2 | 11 | 2 | 15 |
| Total Volume | 159 | 55 | 20 | 234 | 44 | 49 | 232 | 325 | 4 | 35 | 75 | 114 | 21 | 48 | 5 | 74 |
| % App. Total | 67.9 | 23.5 | 8.5 | | 13.5 | 15.1 | 71.4 | | 3.5 | 30.7 | 65.8 | | 28.4 | 64.9 | 6.8 | |
| PHF | .795 | .764 | .714 | .900 | .846 | .645 | .935 | .903 | .500 | .673 | .625 | .770 | .583 | .923 | .625 | .841 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl Street
Weather: Clear

File Name : 04_RDB_Har_Beryl PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 49 | 19 | 2 | 70 | 24 | 9 | 59 | 92 | 1 | 14 | 19 | 34 | 4 | 16 | 2 | 22 | 218 |
| 04:15 PM | 52 | 21 | 6 | 79 | 12 | 12 | 68 | 92 | 1 | 7 | 17 | 25 | 4 | 11 | 3 | 18 | 214 |
| 04:30 PM | 47 | 16 | 13 | 76 | 11 | 11 | 58 | 80 | 2 | 11 | 16 | 29 | 5 | 13 | 1 | 19 | 204 |
| 04:45 PM | 46 | 17 | 4 | 67 | 18 | 8 | 73 | 99 | 2 | 10 | 17 | 29 | 3 | 12 | 1 | 16 | 211 |
| Total | 194 | 73 | 25 | 292 | 65 | 40 | 258 | 363 | 6 | 42 | 69 | 117 | 16 | 52 | 7 | 75 | 847 |
| | | | | | | | | | | | | | | | | | |
| 05:00 PM | 57 | 24 | 15 | 96 | 25 | 18 | 66 | 109 | 0 | 9 | 11 | 20 | 3 | 19 | 1 | 23 | 248 |
| 05:15 PM | 62 | 18 | 10 | 90 | 36 | 9 | 69 | 114 | 2 | 16 | 15 | 33 | 2 | 13 | 0 | 15 | 252 |
| 05:30 PM | 43 | 18 | 5 | 66 | 33 | 7 | 74 | 114 | 0 | 13 | 17 | 30 | 4 | 17 | 1 | 22 | 232 |
| 05:45 PM | 50 | 17 | 4 | 71 | 22 | 13 | 78 | 113 | 1 | 17 | 21 | 39 | 19 | 8 | 2 | 29 | 252 |
| Total | 212 | 77 | 34 | 323 | 116 | 47 | 287 | 450 | 3 | 55 | 64 | 122 | 28 | 57 | 4 | 89 | 984 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 406 | 150 | 59 | 615 | 181 | 87 | 545 | 813 | 9 | 97 | 133 | 239 | 44 | 109 | 11 | 164 | 1831 |
| Apprch % | 66 | 24.4 | 9.6 | | 22.3 | 10.7 | 67 | | 3.8 | 40.6 | 55.6 | | 26.8 | 66.5 | 6.7 | | |
| Total % | 22.2 | 8.2 | 3.2 | 33.6 | 9.9 | 4.8 | 29.8 | 44.4 | 0.5 | 5.3 | 7.3 | 13.1 | 2.4 | 6 | 0.6 | 9 | |

| | N Harbor Drive Southbound | | | | Beryl Street Westbound | | | | N Harbor Drive Northbound | | | | Portofino Way Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 05:00 PM | | | | | | | | | | | | | | | | | |
| 05:00 PM | 57 | **24** | **15** | **96** | 25 | **18** | 66 | 109 | 0 | 9 | 11 | 20 | 3 | **19** | 1 | 23 | 248 |
| 05:15 PM | **62** | 18 | 10 | 90 | **36** | 9 | 69 | **114** | **2** | 16 | 15 | 33 | 2 | 13 | 0 | 15 | **252** |
| 05:30 PM | 43 | 18 | 5 | 66 | 33 | 7 | 74 | 114 | 0 | 13 | 17 | 30 | 4 | 17 | 1 | 22 | 232 |
| 05:45 PM | 50 | 17 | 4 | 71 | 22 | 13 | **78** | 113 | 1 | **17** | **21** | **39** | **19** | 8 | **2** | **29** | 252 |
| Total Volume | 212 | 77 | 34 | 323 | 116 | 47 | 287 | 450 | 3 | 55 | 64 | 122 | 28 | 57 | 4 | 89 | 984 |
| % App. Total | 65.6 | 23.8 | 10.5 | | 25.8 | 10.4 | 63.8 | | 2.5 | 45.1 | 52.5 | | 31.5 | 64 | 4.5 | | |
| PHF | .855 | .802 | .567 | .841 | .806 | .653 | .920 | .987 | .375 | .809 | .762 | .782 | .368 | .750 | .500 | .767 | .976 |

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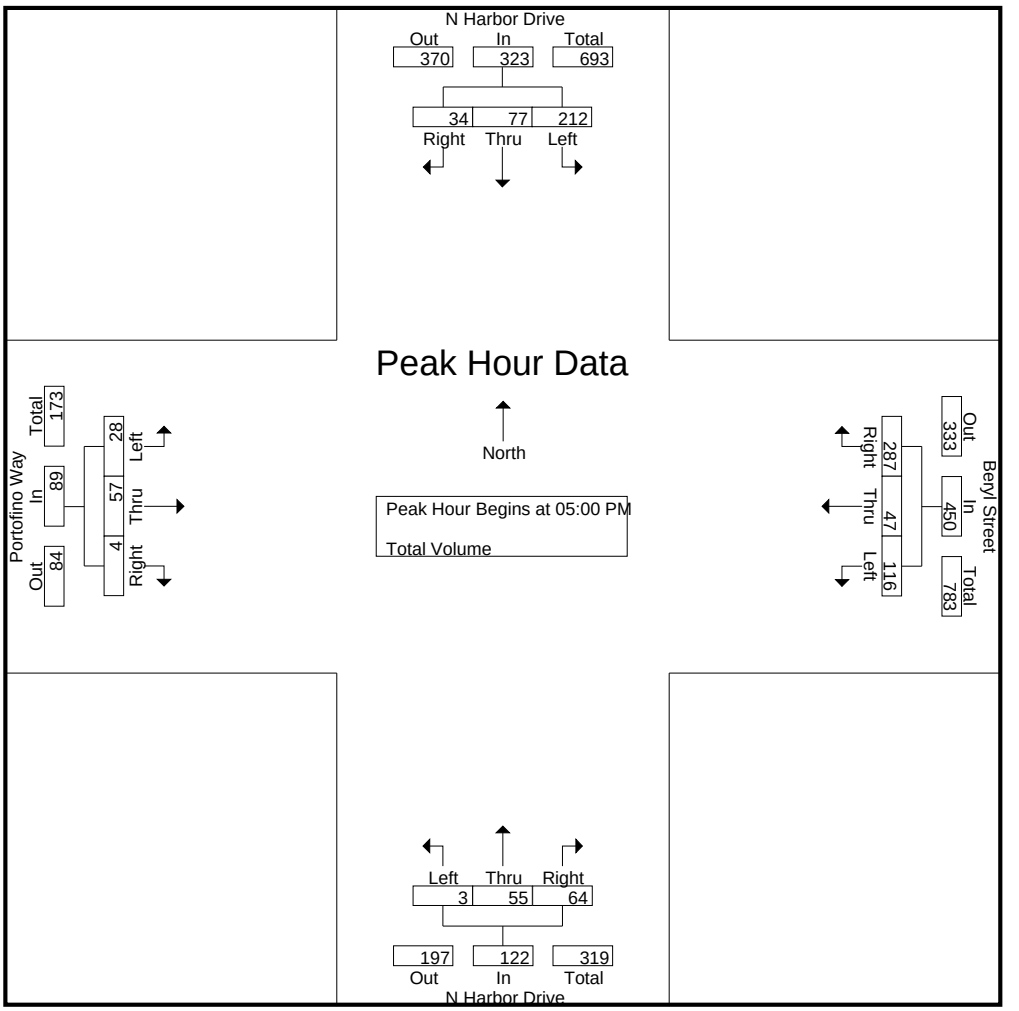
City of Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl Street
Weather: Clear

File Name : 04_RDB_Har_Beryl PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:30 PM | | | | 05:00 PM | | | | 05:00 PM | | | | 05:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 47 | 16 | 13 | 76 | 25 | **18** | 66 | 109 | 0 | 9 | 11 | 20 | 3 | **19** | 1 | 23 |
| +15 mins. | 46 | 17 | 4 | 67 | **36** | 9 | 69 | **114** | **2** | 16 | 15 | 33 | 2 | 13 | 0 | 15 |
| +30 mins. | 57 | **24** | **15** | **96** | 33 | 7 | 74 | 114 | 0 | 13 | 17 | 30 | 4 | 17 | 1 | 22 |
| +45 mins. | **62** | 18 | 10 | 90 | 22 | 13 | **78** | 113 | 1 | **17** | **21** | **39** | **19** | 8 | **2** | **29** |
| Total Volume | 212 | 75 | 42 | 329 | 116 | 47 | 287 | 450 | 3 | 55 | 64 | 122 | 28 | 57 | 4 | 89 |
| % App. Total | 64.4 | 22.8 | 12.8 | | 25.8 | 10.4 | 63.8 | | 2.5 | 45.1 | 52.5 | | 31.5 | 64 | 4.5 | |
| PHF | .855 | .781 | .700 | .857 | .806 | .653 | .920 | .987 | .375 | .809 | .762 | .782 | .368 | .750 | .500 | .767 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl St

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>N Harbor Drive | East Leg<br>Beryl Street | South Leg<br>N Harbor Drive | West Leg<br>Portofino Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 7:00 AM | 5 | 1 | 1 | 17 | 24 |
| 7:15 AM | 6 | 5 | 2 | 32 | 45 |
| 7:30 AM | 3 | 0 | 2 | 26 | 31 |
| 7:45 AM | 6 | 1 | 4 | 16 | 27 |
| 8:00 AM | 10 | 7 | 4 | 26 | 47 |
| 8:15 AM | 12 | 7 | 8 | 45 | 72 |
| 8:30 AM | 6 | 6 | 4 | 31 | 47 |
| 8:45 AM | 7 | 7 | 3 | 34 | 51 |
| TOTAL VOLUMES: | 55 | 34 | 28 | 227 | 344 |

| | North Leg<br>N Harbor Drive | East Leg<br>Beryl Street | South Leg<br>N Harbor Drive | West Leg<br>Portofino Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 11:00 AM | 20 | 8 | 6 | 36 | 70 |
| 11:15 AM | 5 | 2 | 6 | 32 | 45 |
| 11:30 AM | 16 | 1 | 0 | 36 | 53 |
| 11:45 AM | 3 | 3 | 2 | 27 | 35 |
| 12:00 PM | 7 | 7 | 5 | 32 | 51 |
| 12:15 PM | 9 | 9 | 8 | 39 | 65 |
| 12:30 PM | 5 | 4 | 12 | 30 | 51 |
| 12:45 PM | 5 | 3 | 5 | 36 | 49 |
| TOTAL VOLUMES: | 70 | 37 | 44 | 268 | 419 |

| | North Leg<br>N Harbor Drive | East Leg<br>Beryl Street | South Leg<br>N Harbor Drive | West Leg<br>Portofino Way | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 4:00 PM | 10 | 13 | 15 | 41 | 79 |
| 4:15 PM | 2 | 11 | 6 | 13 | 32 |
| 4:30 PM | 12 | 6 | 2 | 18 | 38 |
| 4:45 PM | 12 | 5 | 2 | 29 | 48 |
| 5:00 PM | 8 | 2 | 3 | 11 | 24 |
| 5:15 PM | 4 | 2 | 7 | 17 | 30 |
| 5:30 PM | 7 | 12 | 7 | 35 | 61 |
| 5:45 PM | 19 | 11 | 6 | 22 | 58 |
| TOTAL VOLUMES: | 74 | 62 | 48 | 186 | 370 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Portofino Way/Beryl St

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound N Harbor Drive | | | Westbound Beryl Street | | | Northbound N Harbor Drive | | | Eastbound Portofino Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 3 | 8 | 0 | 1 | 0 | 5 | 0 | 12 | 0 | 0 | 0 | 0 | 29 |
| 7:15 AM | 0 | 5 | 0 | 0 | 0 | 6 | 0 | 19 | 0 | 0 | 0 | 0 | 30 |
| 7:30 AM | 2 | 22 | 0 | 0 | 0 | 5 | 0 | 13 | 0 | 1 | 0 | 0 | 43 |
| 7:45 AM | 1 | 20 | 0 | 0 | 0 | 1 | 0 | 15 | 0 | 0 | 1 | 0 | 38 |
| 8:00 AM | 3 | 43 | 0 | 0 | 0 | 11 | 0 | 25 | 0 | 1 | 0 | 0 | 83 |
| 8:15 AM | 1 | 20 | 0 | 0 | 0 | 3 | 0 | 22 | 0 | 3 | 0 | 0 | 49 |
| 8:30 AM | 5 | 23 | 2 | 0 | 0 | 5 | 0 | 17 | 0 | 1 | 0 | 0 | 53 |
| 8:45 AM | 4 | 29 | 0 | 0 | 0 | 4 | 0 | 29 | 0 | 1 | 0 | 0 | 67 |
| TOTAL VOLUMES: | 19 | 170 | 2 | 1 | 0 | 40 | 0 | 152 | 0 | 7 | 1 | 0 | 392 |

| | Southbound N Harbor Drive | | | Westbound Beryl Street | | | Northbound N Harbor Drive | | | Eastbound Portofino Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 3 | 42 | 0 | 1 | 0 | 6 | 0 | 41 | 1 | 2 | 0 | 0 | 96 |
| 11:15 AM | 0 | 38 | 0 | 1 | 0 | 10 | 1 | 35 | 0 | 0 | 1 | 0 | 86 |
| 11:30 AM | 2 | 23 | 0 | 0 | 0 | 8 | 0 | 29 | 2 | 4 | 1 | 0 | 69 |
| 11:45 AM | 4 | 31 | 0 | 0 | 0 | 14 | 0 | 39 | 3 | 0 | 0 | 1 | 92 |
| 12:00 PM | 6 | 60 | 5 | 2 | 0 | 8 | 0 | 34 | 4 | 0 | 0 | 0 | 119 |
| 12:15 PM | 1 | 43 | 0 | 1 | 0 | 9 | 0 | 32 | 1 | 1 | 0 | 0 | 88 |
| 12:30 PM | 5 | 49 | 2 | 0 | 0 | 7 | 0 | 38 | 0 | 0 | 0 | 2 | 103 |
| 12:45 PM | 6 | 35 | 6 | 0 | 1 | 7 | 2 | 32 | 0 | 6 | 0 | 0 | 95 |
| TOTAL VOLUMES: | 27 | 321 | 13 | 5 | 1 | 69 | 3 | 280 | 11 | 13 | 2 | 3 | 748 |

| | Southbound N Harbor Drive | | | Westbound Beryl Street | | | Northbound N Harbor Drive | | | Eastbound Portofino Way | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 1 | 24 | 1 | 0 | 0 | 1 | 0 | 22 | 0 | 1 | 0 | 0 | 50 |
| 4:15 PM | 2 | 30 | 1 | 0 | 0 | 3 | 0 | 36 | 0 | 0 | 0 | 0 | 72 |
| 4:30 PM | 8 | 15 | 6 | 0 | 0 | 1 | 2 | 23 | 4 | 0 | 0 | 2 | 61 |
| 4:45 PM | 2 | 25 | 0 | 0 | 0 | 4 | 0 | 25 | 4 | 2 | 0 | 0 | 62 |
| 5:00 PM | 5 | 28 | 0 | 0 | 0 | 2 | 0 | 10 | 0 | 0 | 0 | 0 | 45 |
| 5:15 PM | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 21 | 1 | 0 | 0 | 1 | 42 |
| 5:30 PM | 2 | 33 | 1 | 1 | 0 | 2 | 0 | 16 | 0 | 0 | 0 | 0 | 55 |
| 5:45 PM | 4 | 19 | 0 | 2 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 45 |
| TOTAL VOLUMES: | 25 | 192 | 9 | 3 | 0 | 13 | 2 | 173 | 9 | 3 | 0 | 3 | 432 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 07:00 AM | 3 | 2 | 5 | 4 | 3 | 7 | 0 | 0 | 0 | 12 |
| 07:15 AM | 4 | 1 | 5 | 2 | 0 | 2 | 2 | 3 | 5 | 12 |
| 07:30 AM | 1 | 1 | 2 | 4 | 5 | 9 | 3 | 1 | 4 | 15 |
| 07:45 AM | 3 | 1 | 4 | 6 | 6 | 12 | 3 | 1 | 4 | 20 |
| Total | 11 | 5 | 16 | 16 | 14 | 30 | 8 | 5 | 13 | 59 |
| | | | | | | | | | | |
| 08:00 AM | 2 | 1 | 3 | 2 | 8 | 10 | 2 | 1 | 3 | 16 |
| 08:15 AM | 7 | 2 | 9 | 4 | 5 | 9 | 1 | 1 | 2 | 20 |
| 08:30 AM | 8 | 1 | 9 | 1 | 5 | 6 | 1 | 1 | 2 | 17 |
| 08:45 AM | 10 | 5 | 15 | 0 | 10 | 10 | 1 | 1 | 2 | 27 |
| Total | 27 | 9 | 36 | 7 | 28 | 35 | 5 | 4 | 9 | 80 |
| | | | | | | | | | | |
| Grand Total | 38 | 14 | 52 | 23 | 42 | 65 | 13 | 9 | 22 | 139 |
| Apprch % | 73.1 | 26.9 | | 35.4 | 64.6 | | 59.1 | 40.9 | | |
| Total % | 27.3 | 10.1 | 37.4 | 16.5 | 30.2 | 46.8 | 9.4 | 6.5 | 15.8 | |

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | |
| 08:00 AM | 2 | 1 | 3 | 2 | 8 | **10** | **2** | **1** | **3** | 16 |
| 08:15 AM | 7 | 2 | 9 | **4** | 5 | 9 | 1 | 1 | 2 | 20 |
| 08:30 AM | 8 | 1 | 9 | 1 | 5 | 6 | 1 | 1 | 2 | 17 |
| 08:45 AM | **10** | **5** | **15** | 0 | **10** | 10 | 1 | 1 | 2 | **27** |
| Total Volume | 27 | 9 | 36 | 7 | 28 | 35 | 5 | 4 | 9 | 80 |
| % App. Total | 75 | 25 | | 20 | 80 | | 55.6 | 44.4 | | |
| PHF | .675 | .450 | .600 | .438 | .700 | .875 | .625 | 1.00 | .750 | .741 |

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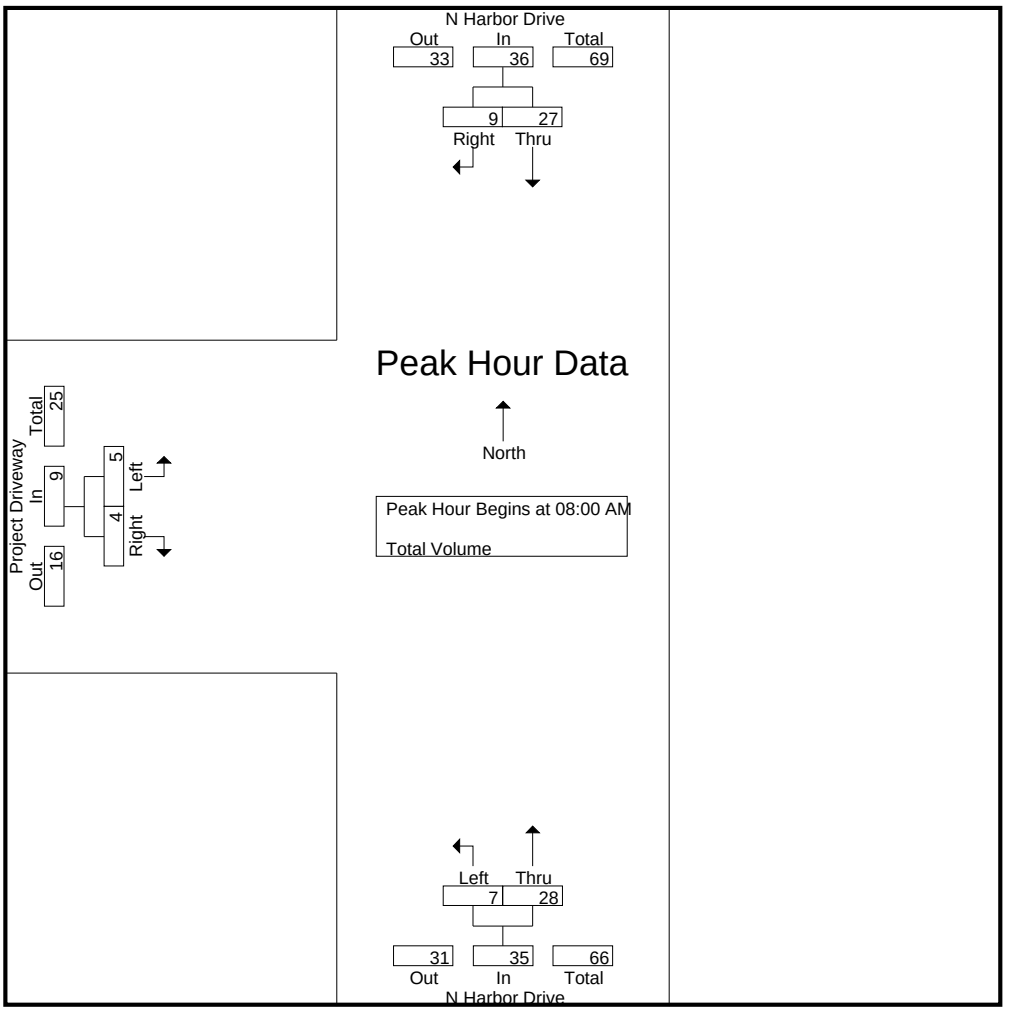
City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | 07:30 AM | | | 07:15 AM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 2 | 1 | 3 | 4 | 5 | 9 | 2 | **3** | **5** |
| +15 mins. | 7 | 2 | 9 | **6** | 6 | **12** | **3** | 1 | 4 |
| +30 mins. | 8 | 1 | 9 | 2 | **8** | 10 | 3 | 1 | 4 |
| +45 mins. | **10** | **5** | **15** | 4 | 5 | 9 | 2 | 1 | 3 |
| Total Volume | 27 | 9 | 36 | 16 | 24 | 40 | 10 | 6 | 16 |
| % App. Total | 75 | 25 | | 40 | 60 | | 62.5 | 37.5 | |
| PHF | .675 | .450 | .600 | .667 | .750 | .833 | .833 | .500 | .800 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 11:00 AM | 11 | 4 | 15 | 2 | 13 | 15 | 1 | 2 | 3 | 33 |
| 11:15 AM | 17 | 7 | 24 | 7 | 7 | 14 | 1 | 6 | 7 | 45 |
| 11:30 AM | 22 | 4 | 26 | 2 | 7 | 9 | 3 | 3 | 6 | 41 |
| 11:45 AM | 16 | 10 | 26 | 5 | 10 | 15 | 1 | 6 | 7 | 48 |
| Total | 66 | 25 | 91 | 16 | 37 | 53 | 6 | 17 | 23 | 167 |
| | | | | | | | | | | |
| 12:00 PM | 19 | 5 | 24 | 4 | 10 | 14 | 1 | 7 | 8 | 46 |
| 12:15 PM | 22 | 5 | 27 | 9 | 9 | 18 | 4 | 4 | 8 | 53 |
| 12:30 PM | 11 | 9 | 20 | 5 | 16 | 21 | 11 | 5 | 16 | 57 |
| 12:45 PM | 20 | 6 | 26 | 5 | 15 | 20 | 10 | 5 | 15 | 61 |
| Total | 72 | 25 | 97 | 23 | 50 | 73 | 26 | 21 | 47 | 217 |
| | | | | | | | | | | |
| Grand Total | 138 | 50 | 188 | 39 | 87 | 126 | 32 | 38 | 70 | 384 |
| Apprch % | 73.4 | 26.6 | | 31 | 69 | | 45.7 | 54.3 | | |
| Total % | 35.9 | 13 | 49 | 10.2 | 22.7 | 32.8 | 8.3 | 9.9 | 18.2 | |

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | |
| 12:00 PM | 19 | 5 | 24 | 4 | 10 | 14 | 1 | **7** | 8 | 46 |
| 12:15 PM | **22** | 5 | **27** | **9** | 9 | 18 | 4 | 4 | 8 | 53 |
| 12:30 PM | 11 | **9** | 20 | 5 | **16** | **21** | **11** | 5 | **16** | 57 |
| 12:45 PM | 20 | 6 | 26 | 5 | 15 | 20 | 10 | 5 | 15 | **61** |
| Total Volume | 72 | 25 | 97 | 23 | 50 | 73 | 26 | 21 | 47 | 217 |
| % App. Total | 74.2 | 25.8 | | 31.5 | 68.5 | | 55.3 | 44.7 | | |
| PHF | .818 | .694 | .898 | .639 | .781 | .869 | .591 | .750 | .734 | .889 |

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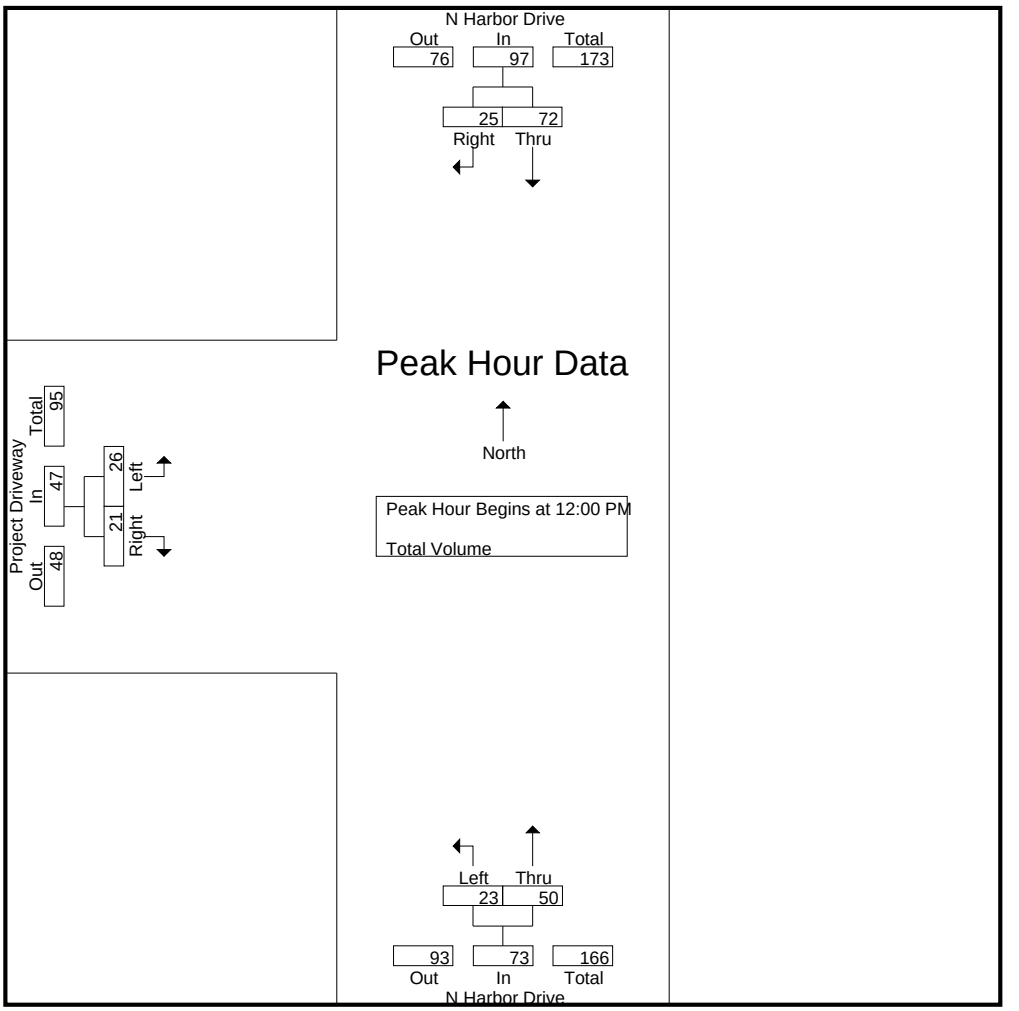
City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 11:30 AM | | | 12:00 PM | | | 12:00 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | **22** | 4 | 26 | 4 | 10 | 14 | 1 | **7** | 8 |
| +15 mins. | 16 | **10** | 26 | **9** | 9 | 18 | 4 | 4 | 8 |
| +30 mins. | 19 | 5 | 24 | 5 | **16** | **21** | **11** | 5 | **16** |
| +45 mins. | 22 | 5 | **27** | 5 | 15 | 20 | 10 | 5 | 15 |
| Total Volume | 79 | 24 | 103 | 23 | 50 | 73 | 26 | 21 | 47 |
| % App. Total | 76.7 | 23.3 | | 31.5 | 68.5 | | 55.3 | 44.7 | |
| PHF | .898 | .600 | .954 | .639 | .781 | .869 | .591 | .750 | .734 |

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City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| 04:00 PM | 27 | 12 | 39 | 10 | 18 | 28 | 9 | 5 | 14 | 81 |
| 04:15 PM | 21 | 6 | 27 | 11 | 13 | 24 | 3 | 9 | 12 | 63 |
| 04:30 PM | 15 | 7 | 22 | 8 | 19 | 27 | 8 | 3 | 11 | 60 |
| 04:45 PM | 21 | 5 | 26 | 8 | 25 | 33 | 7 | 2 | 9 | 68 |
| Total | 84 | 30 | 114 | 37 | 75 | 112 | 27 | 19 | 46 | 272 |
| | | | | | | | | | | |
| 05:00 PM | 27 | 5 | 32 | 6 | 17 | 23 | 9 | 5 | 14 | 69 |
| 05:15 PM | 21 | 8 | 29 | 11 | 29 | 40 | 7 | 4 | 11 | 80 |
| 05:30 PM | 29 | 3 | 32 | 10 | 32 | 42 | 8 | 6 | 14 | 88 |
| 05:45 PM | 14 | 3 | 17 | 5 | 23 | 28 | 12 | 7 | 19 | 64 |
| Total | 91 | 19 | 110 | 32 | 101 | 133 | 36 | 22 | 58 | 301 |
| | | | | | | | | | | |
| Grand Total | 175 | 49 | 224 | 69 | 176 | 245 | 63 | 41 | 104 | 573 |
| Apprch % | 78.1 | 21.9 | | 28.2 | 71.8 | | 60.6 | 39.4 | | |
| Total % | 30.5 | 8.6 | 39.1 | 12 | 30.7 | 42.8 | 11 | 7.2 | 18.2 | |

| | N Harbor Drive Southbound | | | N Harbor Drive Northbound | | | Project Driveway Eastbound | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Thru | Right | App. Total | Left | Thru | App. Total | Left | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | |
| 04:45 PM | 21 | 5 | 26 | 8 | 25 | 33 | 7 | 2 | 9 | 68 |
| 05:00 PM | 27 | 5 | **32** | 6 | 17 | 23 | **9** | 5 | **14** | 69 |
| 05:15 PM | 21 | **8** | 29 | **11** | 29 | 40 | 7 | 4 | 11 | 80 |
| 05:30 PM | **29** | 3 | 32 | 10 | **32** | **42** | 8 | **6** | 14 | **88** |
| Total Volume | 98 | 21 | 119 | 35 | 103 | 138 | 31 | 17 | 48 | 305 |
| % App. Total | 82.4 | 17.6 | | 25.4 | 74.6 | | 64.6 | 35.4 | | |
| PHF | .845 | .656 | .930 | .795 | .805 | .821 | .861 | .708 | .857 | .866 |

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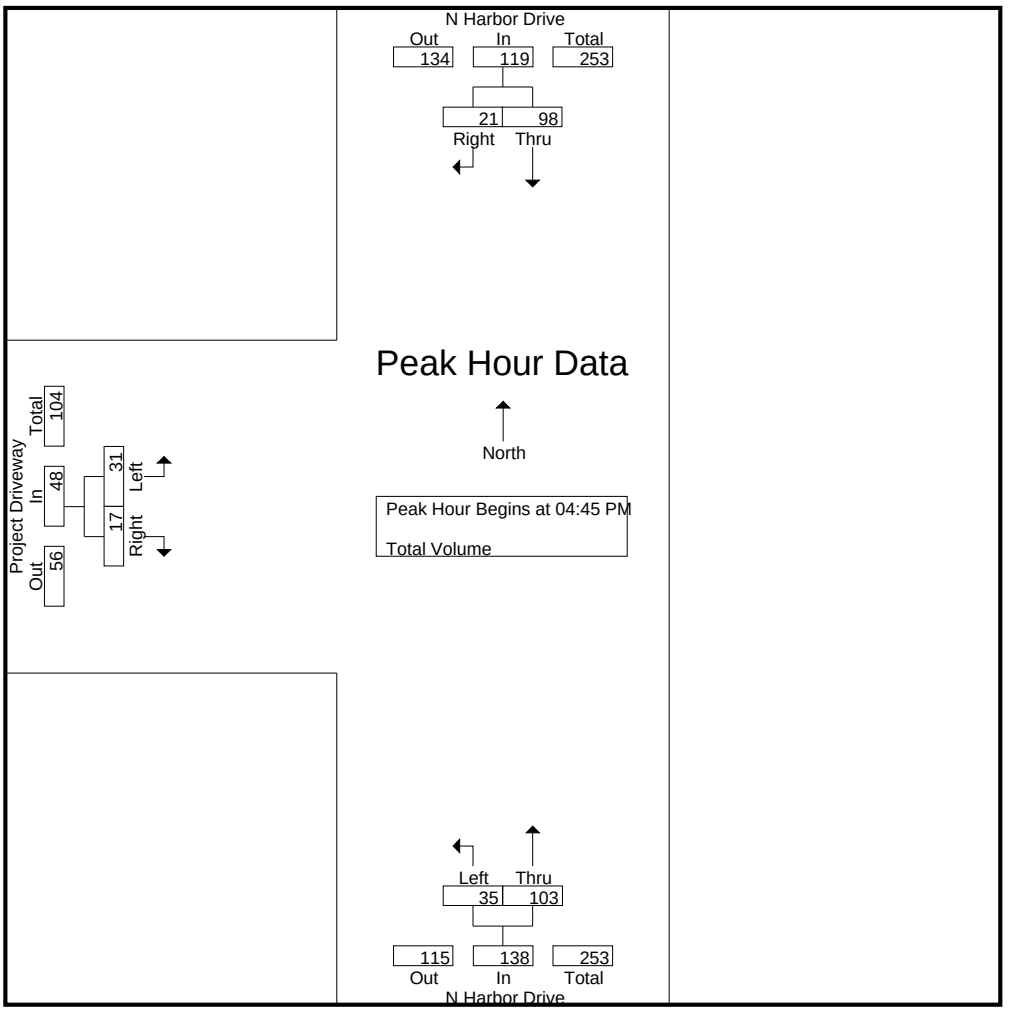
City of Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway
Weather: Clear

File Name : 05_RDB_Har_Project DW PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | 04:45 PM | | | 05:00 PM | | |
|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 21 | 5 | 26 | 8 | 25 | 33 | 9 | 5 | 14 |
| +15 mins. | 27 | 5 | **32** | 6 | 17 | 23 | 7 | 4 | 11 |
| +30 mins. | 21 | **8** | 29 | **11** | 29 | 40 | 8 | 6 | 14 |
| +45 mins. | **29** | 3 | 32 | 10 | **32** | **42** | **12** | **7** | **19** |
| Total Volume | 98 | 21 | 119 | 35 | 103 | 138 | 36 | 22 | 58 |
| % App. Total | 82.4 | 17.6 | | 25.4 | 74.6 | | 62.1 | 37.9 | |
| PHF | .845 | .656 | .930 | .795 | .805 | .821 | .750 | .786 | .763 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>N Harbor Drive | East Leg<br>Dead End | South Leg<br>N Harbor Drive | West Leg<br>Project Driveway | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 7:00 AM | 0 | 0 | 1 | 12 | 13 |
| 7:15 AM | 0 | 1 | 1 | 29 | 31 |
| 7:30 AM | 0 | 2 | 0 | 29 | 31 |
| 7:45 AM | 2 | 5 | 5 | 15 | 27 |
| 8:00 AM | 0 | 3 | 3 | 24 | 30 |
| 8:15 AM | 2 | 2 | 1 | 29 | 34 |
| 8:30 AM | 1 | 4 | 3 | 35 | 43 |
| 8:45 AM | 2 | 8 | 6 | 41 | 57 |
| TOTAL VOLUMES: | 7 | 25 | 20 | 214 | 266 |

| | North Leg<br>N Harbor Drive | East Leg<br>Dead End | South Leg<br>N Harbor Drive | West Leg<br>Project Driveway | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 11:00 AM | 0 | 4 | 11 | 39 | 54 |
| 11:15 AM | 3 | 12 | 13 | 34 | 62 |
| 11:30 AM | 1 | 6 | 6 | 33 | 46 |
| 11:45 AM | 1 | 8 | 9 | 20 | 38 |
| 12:00 PM | 1 | 9 | 10 | 37 | 57 |
| 12:15 PM | 1 | 12 | 11 | 39 | 63 |
| 12:30 PM | 1 | 6 | 9 | 24 | 40 |
| 12:45 PM | 0 | 13 | 8 | 39 | 60 |
| TOTAL VOLUMES: | 8 | 70 | 77 | 265 | 420 |

| | North Leg<br>N Harbor Drive | East Leg<br>Dead End | South Leg<br>N Harbor Drive | West Leg<br>Project Driveway | |
|---|---|---|---|---|---|
| | Pedestrians | Pedestrians | Pedestrians | Pedestrians | |
| 4:00 PM | 0 | 14 | 16 | 28 | 58 |
| 4:15 PM | 1 | 8 | 10 | 22 | 41 |
| 4:30 PM | 0 | 19 | 20 | 16 | 55 |
| 4:45 PM | 5 | 20 | 21 | 24 | 70 |
| 5:00 PM | 0 | 10 | 8 | 18 | 36 |
| 5:15 PM | 1 | 11 | 13 | 14 | 39 |
| 5:30 PM | 2 | 16 | 7 | 23 | 48 |
| 5:45 PM | 0 | 14 | 19 | 30 | 63 |
| TOTAL VOLUMES: | 9 | 112 | 114 | 175 | 410 |

Location: Redondo Beach
N/S: N Harbor Drive
E/W: Project Driveway

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound N Harbor Drive | | | Westbound Dead End | | | Northbound N Harbor Drive | | | Eastbound Project Driveway | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 20 |
| 7:15 AM | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 1 | 0 | 0 | 21 |
| 7:30 AM | 0 | 18 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 1 | 33 |
| 7:45 AM | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 38 |
| 8:00 AM | 0 | 38 | 1 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 63 |
| 8:15 AM | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 | 45 |
| 8:30 AM | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 42 |
| 8:45 AM | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 51 |
| TOTAL VOLUMES: | 0 | 158 | 3 | 0 | 0 | 0 | 1 | 149 | 0 | 1 | 0 | 1 | 313 |

| | Southbound N Harbor Drive | | | Westbound Dead End | | | Northbound N Harbor Drive | | | Eastbound Project Driveway | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 0 | 34 | 1 | 0 | 0 | 0 | 1 | 33 | 0 | 4 | 0 | 0 | 73 |
| 11:15 AM | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 2 | 0 | 0 | 72 |
| 11:30 AM | 0 | 27 | 1 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 57 |
| 11:45 AM | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 2 | 0 | 0 | 72 |
| 12:00 PM | 2 | 51 | 3 | 0 | 0 | 0 | 0 | 36 | 0 | 1 | 0 | 1 | 94 |
| 12:15 PM | 0 | 32 | 2 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 69 |
| 12:30 PM | 2 | 61 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 97 |
| 12:45 PM | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 72 |
| TOTAL VOLUMES: | 4 | 307 | 7 | 0 | 0 | 0 | 1 | 277 | 0 | 9 | 0 | 1 | 606 |

| | Southbound N Harbor Drive | | | Westbound Dead End | | | Northbound N Harbor Drive | | | Eastbound Project Driveway | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 52 |
| 4:15 PM | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 62 |
| 4:30 PM | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 48 |
| 4:45 PM | 0 | 25 | 0 | 0 | 0 | 0 | 1 | 28 | 0 | 0 | 0 | 0 | 54 |
| 5:00 PM | 0 | 21 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 35 |
| 5:15 PM | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 3 | 0 | 0 | 43 |
| 5:30 PM | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 51 |
| 5:45 PM | 0 | 12 | 2 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 29 |
| TOTAL VOLUMES: | 0 | 184 | 2 | 0 | 0 | 0 | 2 | 183 | 0 | 3 | 0 | 0 | 374 |

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City of Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive
Weather: Clear

File Name : 06_RDB_Pac_Har AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 07:00 AM | 0 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 2 | 11 |
| 07:15 AM | 1 | 1 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 12 |
| 07:30 AM | 1 | 1 | 6 | 8 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 11 |
| 07:45 AM | 0 | 3 | 11 | 14 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 20 |
| Total | 2 | 5 | 28 | 35 | 0 | 2 | 1 | 3 | 1 | 0 | 0 | 1 | 14 | 0 | 1 | 15 | 54 |
| 08:00 AM | 0 | 4 | 9 | 13 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 4 | 19 |
| 08:15 AM | 0 | 1 | 8 | 9 | 0 | 0 | 1 | 1 | 1 | 3 | 0 | 4 | 5 | 1 | 2 | 8 | 22 |
| 08:30 AM | 1 | 2 | 6 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 8 | 0 | 1 | 9 | 21 |
| 08:45 AM | 0 | 4 | 11 | 15 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 12 | 0 | 0 | 12 | 29 |
| Total | 1 | 11 | 34 | 46 | 0 | 0 | 3 | 3 | 4 | 5 | 0 | 9 | 27 | 1 | 5 | 33 | 91 |
| Grand Total | 3 | 16 | 62 | 81 | 0 | 2 | 4 | 6 | 5 | 5 | 0 | 10 | 41 | 1 | 6 | 48 | 145 |
| Apprch % | 3.7 | 19.8 | 76.5 | | 0 | 33.3 | 66.7 | | 50 | 50 | 0 | | 85.4 | 2.1 | 12.5 | | |
| Total % | 2.1 | 11 | 42.8 | 55.9 | 0 | 1.4 | 2.8 | 4.1 | 3.4 | 3.4 | 0 | 6.9 | 28.3 | 0.7 | 4.1 | 33.1 | |

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 08:00 AM | | | | | | | | | | | | | | | | | |
| 08:00 AM | 0 | **4** | 9 | 13 | 0 | 0 | 0 | 0 | **2** | 0 | 0 | 2 | 2 | 0 | **2** | 4 | 19 |
| 08:15 AM | 0 | 1 | 8 | 9 | 0 | 0 | **1** | **1** | 1 | **3** | 0 | **4** | 5 | **1** | 2 | 8 | 22 |
| 08:30 AM | **1** | 2 | 6 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 8 | 0 | 1 | 9 | 21 |
| 08:45 AM | 0 | 4 | **11** | **15** | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | **12** | 0 | 0 | **12** | **29** |
| Total Volume | 1 | 11 | 34 | 46 | 0 | 0 | 3 | 3 | 4 | 5 | 0 | 9 | 27 | 1 | 5 | 33 | 91 |
| % App. Total | 2.2 | 23.9 | 73.9 | | 0 | 0 | 100 | | 44.4 | 55.6 | 0 | | 81.8 | 3 | 15.2 | | |
| PHF | .250 | .688 | .773 | .767 | .000 | .000 | .750 | .750 | .500 | .417 | .000 | .563 | .563 | .250 | .625 | .688 | .784 |

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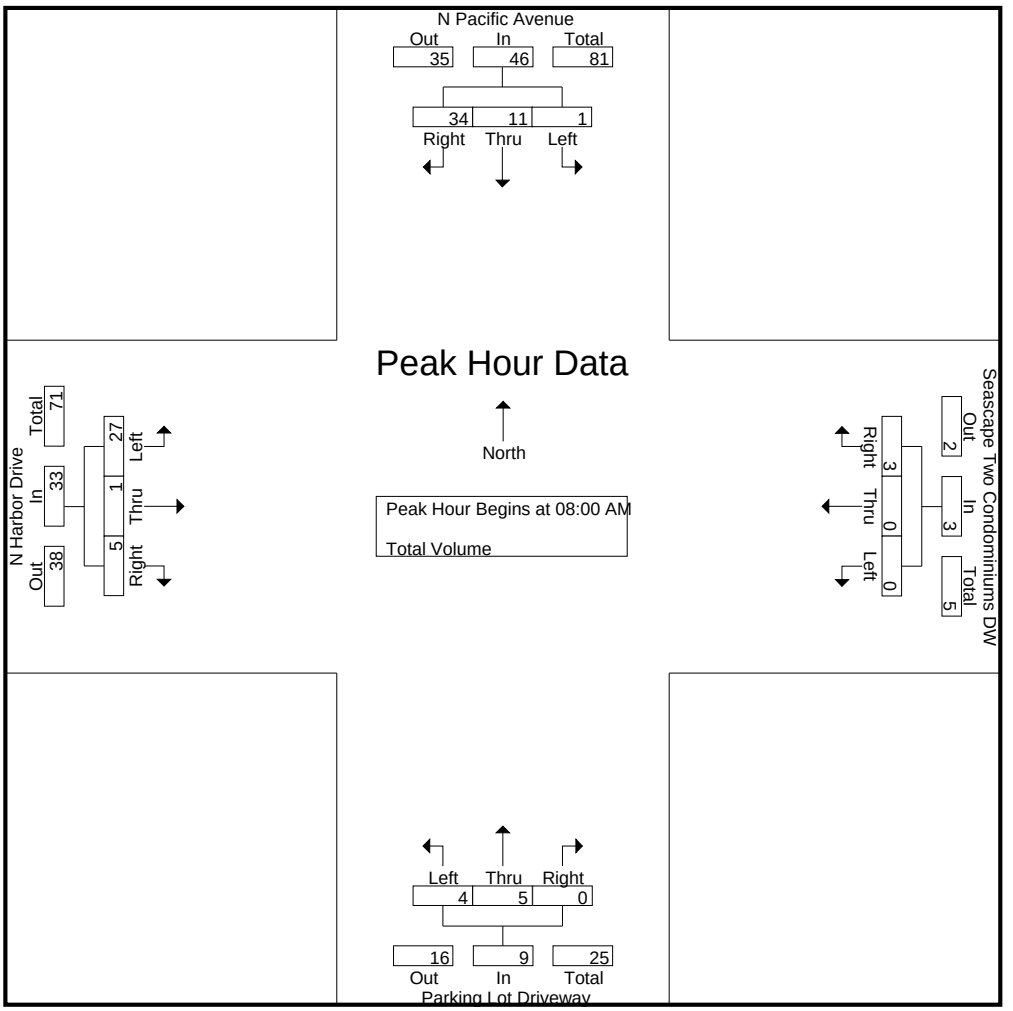
City of Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive
Weather: Clear

File Name : 06_RDB_Pac_Har AM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 08:00 AM | | | | 07:30 AM | | | | 08:00 AM | | | | 08:00 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 0 | **4** | 9 | 13 | 0 | **1** | 0 | 1 | **2** | 0 | 0 | 2 | 2 | 0 | **2** | 4 |
| +15 mins. | 0 | 1 | 8 | 9 | 0 | 1 | **1** | **2** | 1 | **3** | 0 | **4** | 5 | **1** | 2 | 8 |
| +30 mins. | **1** | 2 | 6 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 8 | 0 | 1 | 9 |
| +45 mins. | 0 | 4 | **11** | **15** | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | **12** | 0 | 0 | **12** |
| Total Volume | 1 | 11 | 34 | 46 | 0 | 2 | 2 | 4 | 4 | 5 | 0 | 9 | 27 | 1 | 5 | 33 |
| % App. Total | 2.2 | 23.9 | 73.9 | | 0 | 50 | 50 | | 44.4 | 55.6 | 0 | | 81.8 | 3 | 15.2 | |
| PHF | .250 | .688 | .773 | .767 | .000 | .500 | .500 | .500 | .500 | .417 | .000 | .563 | .563 | .250 | .625 | .688 |

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City of Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive
Weather: Clear

File Name : 06_RDB_Pac_Har MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 11:00 AM | 0 | 10 | 14 | 24 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 | 13 | 0 | 1 | 14 | 43 |
| 11:15 AM | 0 | 2 | 14 | 16 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 4 | 17 | 1 | 3 | 21 | 42 |
| 11:30 AM | 1 | 6 | 5 | 12 | 0 | 1 | 1 | 2 | 3 | 5 | 0 | 8 | 18 | 0 | 6 | 24 | 46 |
| 11:45 AM | 0 | 5 | 14 | 19 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 15 | 1 | 4 | 20 | 41 |
| Total | 1 | 23 | 47 | 71 | 0 | 1 | 2 | 3 | 7 | 12 | 0 | 19 | 63 | 2 | 14 | 79 | 172 |
| | | | | | | | | | | | | | | | | | |
| 12:00 PM | 2 | 9 | 14 | 25 | 0 | 0 | 2 | 2 | 1 | 3 | 0 | 4 | 22 | 0 | 2 | 24 | 55 |
| 12:15 PM | 6 | 8 | 20 | 34 | 0 | 1 | 3 | 4 | 0 | 4 | 0 | 4 | 22 | 0 | 6 | 28 | 70 |
| 12:30 PM | 3 | 9 | 19 | 31 | 0 | 0 | 2 | 2 | 3 | 2 | 0 | 5 | 11 | 1 | 4 | 16 | 54 |
| 12:45 PM | 2 | 5 | 14 | 21 | 0 | 0 | 1 | 1 | 2 | 9 | 0 | 11 | 18 | 0 | 3 | 21 | 54 |
| Total | 13 | 31 | 67 | 111 | 0 | 1 | 8 | 9 | 6 | 18 | 0 | 24 | 73 | 1 | 15 | 89 | 233 |
| | | | | | | | | | | | | | | | | | |
| Grand Total | 14 | 54 | 114 | 182 | 0 | 2 | 10 | 12 | 13 | 30 | 0 | 43 | 136 | 3 | 29 | 168 | 405 |
| Apprch % | 7.7 | 29.7 | 62.6 | | 0 | 16.7 | 83.3 | | 30.2 | 69.8 | 0 | | 81 | 1.8 | 17.3 | | |
| Total % | 3.5 | 13.3 | 28.1 | 44.9 | 0 | 0.5 | 2.5 | 3 | 3.2 | 7.4 | 0 | 10.6 | 33.6 | 0.7 | 7.2 | 41.5 | |

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 12:00 PM | | | | | | | | | | | | | | | | | |
| 12:00 PM | 2 | **9** | 14 | 25 | 0 | 0 | 2 | 2 | 1 | 3 | 0 | 4 | **22** | 0 | 2 | 24 | 55 |
| 12:15 PM | **6** | 8 | **20** | **34** | 0 | **1** | **3** | **4** | 0 | 4 | 0 | 4 | 22 | 0 | **6** | **28** | **70** |
| 12:30 PM | 3 | 9 | 19 | 31 | 0 | 0 | 2 | 2 | **3** | 2 | 0 | 5 | 11 | **1** | 4 | 16 | 54 |
| 12:45 PM | 2 | 5 | 14 | 21 | 0 | 0 | 1 | 1 | 2 | **9** | 0 | **11** | 18 | 0 | 3 | 21 | 54 |
| Total Volume | 13 | 31 | 67 | 111 | 0 | 1 | 8 | 9 | 6 | 18 | 0 | 24 | 73 | 1 | 15 | 89 | 233 |
| % App. Total | 11.7 | 27.9 | 60.4 | | 0 | 11.1 | 88.9 | | 25 | 75 | 0 | | 82 | 1.1 | 16.9 | | |
| PHF | .542 | .861 | .838 | .816 | .000 | .250 | .667 | .563 | .500 | .500 | .000 | .545 | .830 | .250 | .625 | .795 | .832 |

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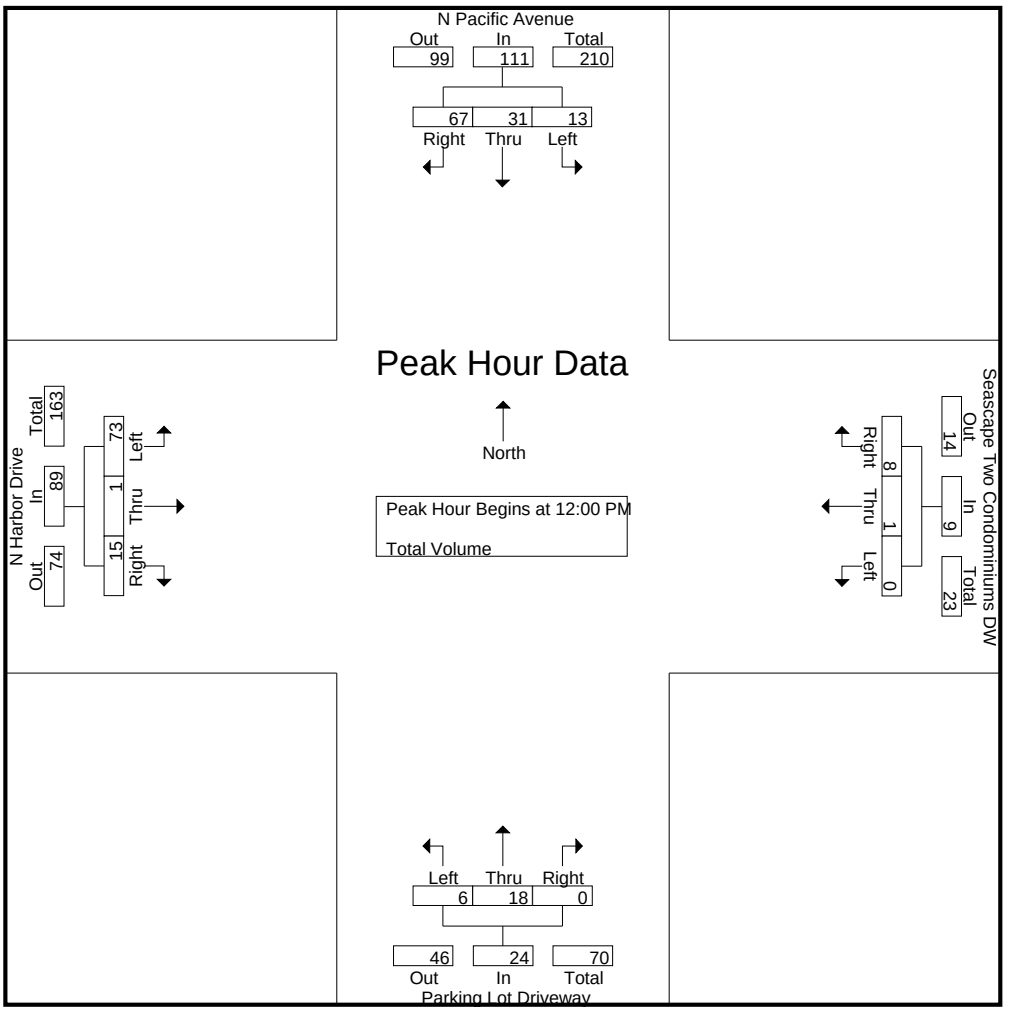
City of Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive
Weather: Clear

File Name : 06_RDB_Pac_Har MD
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 11:00 AM to 12:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 12:00 PM | | | | 12:00 PM | | | | 12:00 PM | | | | 11:30 AM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 2 | **9** | 14 | 25 | 0 | 0 | 2 | 2 | 1 | 3 | 0 | 4 | 18 | 0 | **6** | 24 |
| +15 mins. | **6** | 8 | **20** | **34** | 0 | **1** | **3** | **4** | 0 | 4 | 0 | 4 | 15 | **1** | 4 | 20 |
| +30 mins. | 3 | 9 | 19 | 31 | 0 | 0 | 2 | 2 | **3** | 2 | 0 | 5 | **22** | 0 | 2 | 24 |
| +45 mins. | 2 | 5 | 14 | 21 | 0 | 0 | 1 | 1 | 2 | **9** | 0 | **11** | 22 | 0 | 6 | **28** |
| Total Volume | 13 | 31 | 67 | 111 | 0 | 1 | 8 | 9 | 6 | 18 | 0 | 24 | 77 | 1 | 18 | 96 |
| % App. Total | 11.7 | 27.9 | 60.4 | | 0 | 11.1 | 88.9 | | 25 | 75 | 0 | | 80.2 | 1 | 18.8 | |
| PHF | .542 | .861 | .838 | .816 | .000 | .250 | .667 | .563 | .500 | .500 | .000 | .545 | .875 | .250 | .750 | .857 |

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City of Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive
Weather: Clear

File Name : 06_RDB_Pac_Har PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 1

Groups Printed- Total Volume

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| 04:00 PM | 1 | 6 | 26 | 33 | 0 | 0 | 0 | 0 | 5 | 16 | 0 | 21 | 32 | 0 | 5 | 37 | 91 |
| 04:15 PM | 1 | 13 | 19 | 33 | 0 | 0 | 1 | 1 | 1 | 13 | 0 | 14 | 29 | 1 | 3 | 33 | 81 |
| 04:30 PM | 2 | 3 | 25 | 30 | 0 | 0 | 0 | 0 | 3 | 16 | 0 | 19 | 19 | 0 | 3 | 22 | 71 |
| 04:45 PM | 2 | 2 | 30 | 34 | 0 | 0 | 1 | 1 | 2 | 10 | 0 | 12 | 18 | 1 | 5 | 24 | 71 |
| Total | 6 | 24 | 100 | 130 | 0 | 0 | 2 | 2 | 11 | 55 | 0 | 66 | 98 | 2 | 16 | 116 | 314 |
| 05:00 PM | 4 | 9 | 25 | 38 | 0 | 0 | 1 | 1 | 1 | 12 | 0 | 13 | 25 | 0 | 7 | 32 | 84 |
| 05:15 PM | 0 | 1 | 35 | 36 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 11 | 24 | 0 | 4 | 28 | 75 |
| 05:30 PM | 1 | 6 | 37 | 44 | 0 | 1 | 2 | 3 | 2 | 10 | 0 | 12 | 27 | 0 | 5 | 32 | 91 |
| 05:45 PM | 0 | 6 | 20 | 26 | 0 | 0 | 0 | 0 | 7 | 10 | 0 | 17 | 19 | 1 | 2 | 22 | 65 |
| Total | 5 | 22 | 117 | 144 | 0 | 1 | 3 | 4 | 13 | 40 | 0 | 53 | 95 | 1 | 18 | 114 | 315 |
| Grand Total | 11 | 46 | 217 | 274 | 0 | 1 | 5 | 6 | 24 | 95 | 0 | 119 | 193 | 3 | 34 | 230 | 629 |
| Apprch % | 4 | 16.8 | 79.2 | | 0 | 16.7 | 83.3 | | 20.2 | 79.8 | 0 | | 83.9 | 1.3 | 14.8 | | |
| Total % | 1.7 | 7.3 | 34.5 | 43.6 | 0 | 0.2 | 0.8 | 1 | 3.8 | 15.1 | 0 | 18.9 | 30.7 | 0.5 | 5.4 | 36.6 | |

| | N Pacific Avenue Southbound | | | | Seascape Two Condominiums DW Westbound | | | | Parking Lot Driveway Northbound | | | | N Harbor Drive Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 2 | 2 | 30 | 34 | 0 | 0 | 1 | 1 | 2 | 10 | 0 | 12 | 18 | **1** | 5 | 24 | 71 |
| 05:00 PM | **4** | **9** | 25 | 38 | 0 | 0 | 1 | 1 | 1 | **12** | 0 | **13** | 25 | 0 | **7** | **32** | 84 |
| 05:15 PM | 0 | 1 | 35 | 36 | 0 | 0 | 0 | 0 | **3** | 8 | 0 | 11 | 24 | 0 | 4 | 28 | 75 |
| 05:30 PM | 1 | 6 | **37** | **44** | 0 | **1** | **2** | **3** | 2 | 10 | 0 | 12 | **27** | 0 | 5 | 32 | **91** |
| Total Volume | 7 | 18 | 127 | 152 | 0 | 1 | 4 | 5 | 8 | 40 | 0 | 48 | 94 | 1 | 21 | 116 | 321 |
| % App. Total | 4.6 | 11.8 | 83.6 | | 0 | 20 | 80 | | 16.7 | 83.3 | 0 | | 81 | 0.9 | 18.1 | | |
| PHF | .438 | .500 | .858 | .864 | .000 | .250 | .500 | .417 | .667 | .833 | .000 | .923 | .870 | .250 | .750 | .906 | .882 |

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City of Redondo Beach
N/S: N Pacific Avenue
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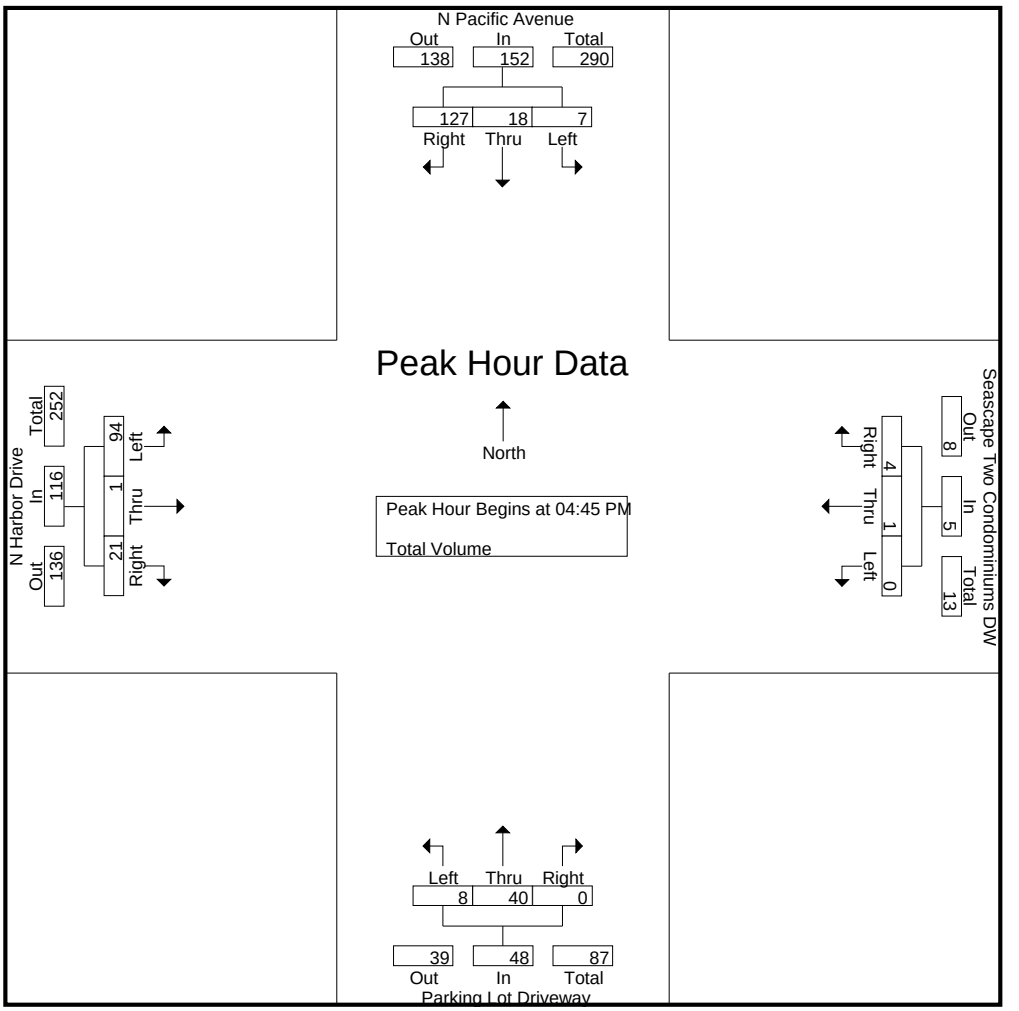
Weather: Clear

File Name : 06_RDB_Pac_Har PM
Site Code : 23224873
Start Date : 10/5/2024
Page No : 2




Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1
Peak Hour for Each Approach Begins at:

| | 04:45 PM | | | | 04:45 PM | | | | 04:00 PM | | | | 04:00 PM | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +0 mins. | 2 | 2 | 30 | 34 | 0 | 0 | 1 | 1 | **5** | **16** | 0 | **21** | **32** | 0 | **5** | **37** |
| +15 mins. | **4** | **9** | 25 | 38 | 0 | 0 | 1 | 1 | 1 | 13 | 0 | 14 | 29 | **1** | 3 | 33 |
| +30 mins. | 0 | 1 | 35 | 36 | 0 | 0 | 0 | 0 | 3 | 16 | 0 | 19 | 19 | 0 | 3 | 22 |
| +45 mins. | 1 | 6 | **37** | **44** | 0 | **1** | **2** | **3** | 2 | 10 | 0 | 12 | 18 | 1 | 5 | 24 |
| Total Volume | 7 | 18 | 127 | 152 | 0 | 1 | 4 | 5 | 11 | 55 | 0 | 66 | 98 | 2 | 16 | 116 |
| % App. Total | 4.6 | 11.8 | 83.6 | | 0 | 20 | 80 | | 16.7 | 83.3 | 0 | | 84.5 | 1.7 | 13.8 | |
| PHF | .438 | .500 | .858 | .864 | .000 | .250 | .500 | .417 | .550 | .859 | .000 | .786 | .766 | .500 | .800 | .784 |

Location: Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive

Date: 10/5/2024
Day: Saturday

**PEDESTRIANS**

| | North Leg<br>N Pacific Avenue<br>Pedestrians | East Leg<br>Seascape 2 Driveway<br>Pedestrians | South Leg<br>Parking Lot Driveway<br>Pedestrians | West Leg<br>N Harbor Drive<br>Pedestrians | |
|---|---|---|---|---|---|
| 7:00 AM | 1 | 0 | 2 | 1 | 4 |
| 7:15 AM | 0 | 0 | 2 | 0 | 2 |
| 7:30 AM | 0 | 0 | 2 | 2 | 4 |
| 7:45 AM | 0 | 0 | 3 | 1 | 4 |
| 8:00 AM | 0 | 0 | 1 | 0 | 1 |
| 8:15 AM | 0 | 0 | 5 | 1 | 6 |
| 8:30 AM | 1 | 0 | 3 | 4 | 8 |
| 8:45 AM | 2 | 0 | 3 | 1 | 6 |
| TOTAL VOLUMES: | 4 | 0 | 21 | 10 | 35 |

| | North Leg<br>N Pacific Avenue<br>Pedestrians | East Leg<br>Seascape 2 Driveway<br>Pedestrians | South Leg<br>Parking Lot Driveway<br>Pedestrians | West Leg<br>N Harbor Drive<br>Pedestrians | |
|---|---|---|---|---|---|
| 11:00 AM | 4 | 0 | 1 | 1 | 6 |
| 11:15 AM | 0 | 0 | 4 | 0 | 4 |
| 11:30 AM | 0 | 0 | 4 | 3 | 7 |
| 11:45 AM | 1 | 0 | 4 | 1 | 6 |
| 12:00 PM | 1 | 0 | 4 | 3 | 8 |
| 12:15 PM | 0 | 0 | 0 | 1 | 1 |
| 12:30 PM | 3 | 2 | 6 | 1 | 12 |
| 12:45 PM | 0 | 0 | 4 | 0 | 4 |
| TOTAL VOLUMES: | 9 | 2 | 27 | 10 | 48 |

| | North Leg<br>N Pacific Avenue<br>Pedestrians | East Leg<br>Seascape 2 Driveway<br>Pedestrians | South Leg<br>Parking Lot Driveway<br>Pedestrians | West Leg<br>N Harbor Drive<br>Pedestrians | |
|---|---|---|---|---|---|
| 4:00 PM | 0 | 0 | 0 | 0 | 0 |
| 4:15 PM | 0 | 2 | 2 | 2 | 6 |
| 4:30 PM | 0 | 0 | 0 | 1 | 1 |
| 4:45 PM | 0 | 0 | 5 | 0 | 5 |
| 5:00 PM | 9 | 4 | 5 | 6 | 24 |
| 5:15 PM | 0 | 0 | 4 | 0 | 4 |
| 5:30 PM | 0 | 0 | 7 | 7 | 14 |
| 5:45 PM | 4 | 0 | 0 | 0 | 4 |
| TOTAL VOLUMES: | 13 | 6 | 23 | 16 | 58 |

Location: Redondo Beach
N/S: N Pacific Avenue
E/W: N Harbor Drive

Date: 10/5/2024
Day: Saturday

**BICYCLES**

| | Southbound N Pacific Avenue | | | Westbound Seascape 2 Driveway | | | Northbound Parking Lot Driveway | | | Eastbound N Harbor Drive | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 7:00 AM | 0 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| 7:15 AM | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 | 0 | 6 |
| 7:30 AM | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 1 | 10 |
| 7:45 AM | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 5 |
| 8:00 AM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 10 |
| 8:15 AM | 0 | 0 | 4 | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 0 | 10 |
| 8:30 AM | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 12 |
| 8:45 AM | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 10 |
| TOTAL VOLUMES: | 0 | 1 | 26 | 0 | 0 | 1 | 5 | 0 | 0 | 35 | 0 | 1 | 69 |

| | Southbound N Pacific Avenue | | | Westbound Seascape 2 Driveway | | | Northbound Parking Lot Driveway | | | Eastbound N Harbor Drive | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 11:00 AM | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 9 | 0 | 3 | 16 |
| 11:15 AM | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 10 |
| 11:30 AM | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 3 |
| 11:45 AM | 1 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 5 | 0 | 0 | 10 |
| 12:00 PM | 0 | 0 | 12 | 0 | 0 | 0 | 3 | 0 | 0 | 5 | 0 | 0 | 20 |
| 12:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 | 1 | 6 |
| 12:30 PM | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 11 | 0 | 3 | 18 |
| 12:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 5 | 8 |
| TOTAL VOLUMES: | 1 | 0 | 20 | 0 | 0 | 0 | 14 | 0 | 0 | 44 | 0 | 12 | 91 |

| | Southbound N Pacific Avenue | | | Westbound Seascape 2 Driveway | | | Northbound Parking Lot Driveway | | | Eastbound N Harbor Drive | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | |
| 4:00 PM | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 |
| 4:15 PM | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 4 | 9 |
| 4:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 6 |
| 4:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 3 |
| 5:00 PM | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 4 | 10 |
| 5:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 5:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 5 | 6 |
| 5:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 4 |
| TOTAL VOLUMES: | 0 | 0 | 5 | 0 | 0 | 0 | 7 | 1 | 0 | 10 | 0 | 21 | 44 |

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# Mole D 12- Month Analysis

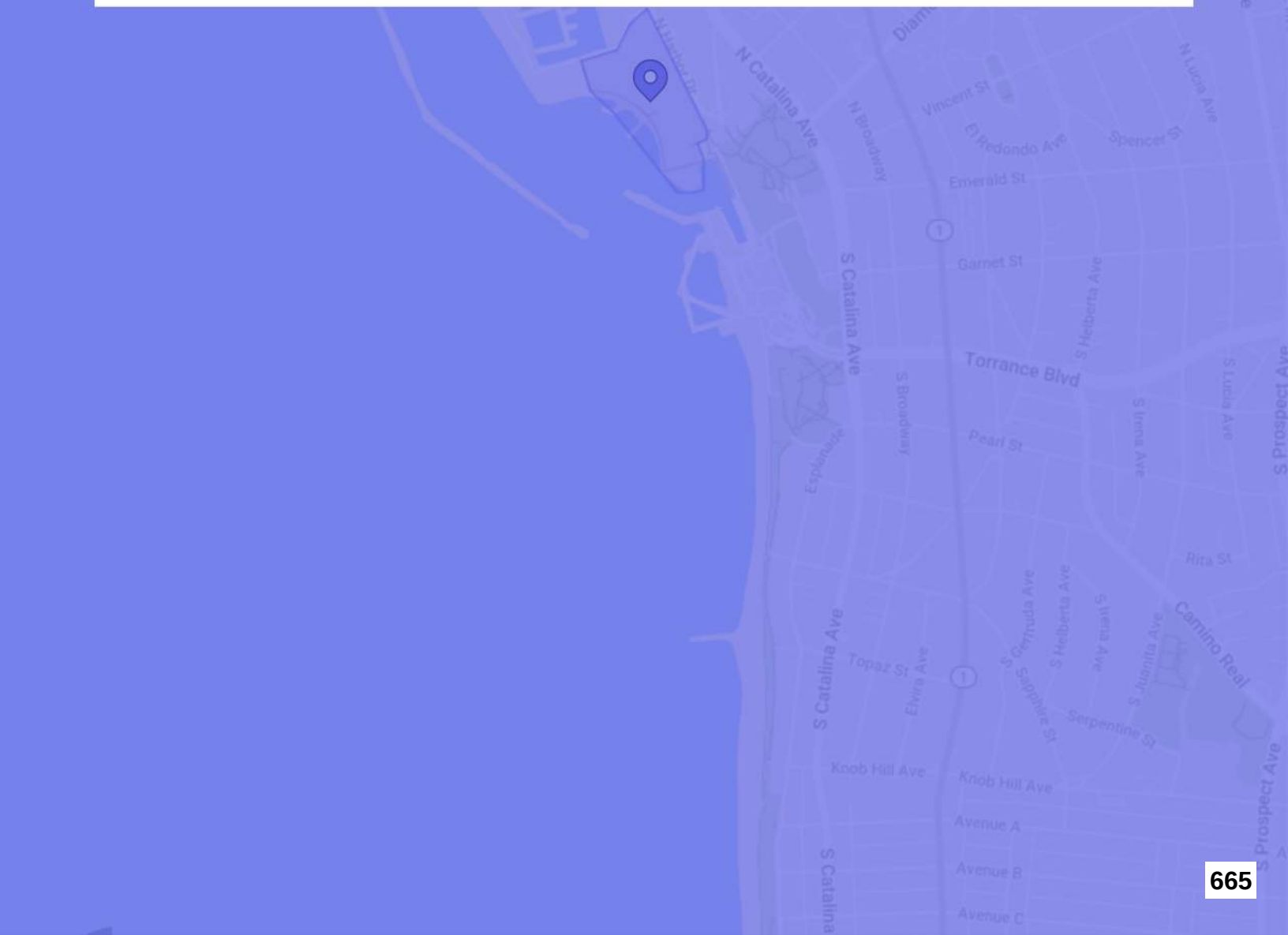
Nov 1, 2023 - Oct 31, 2024

Property:

MD

**Mole D - Redondo Beach**
Harbor Drive, Redondo Beach, CA 90277

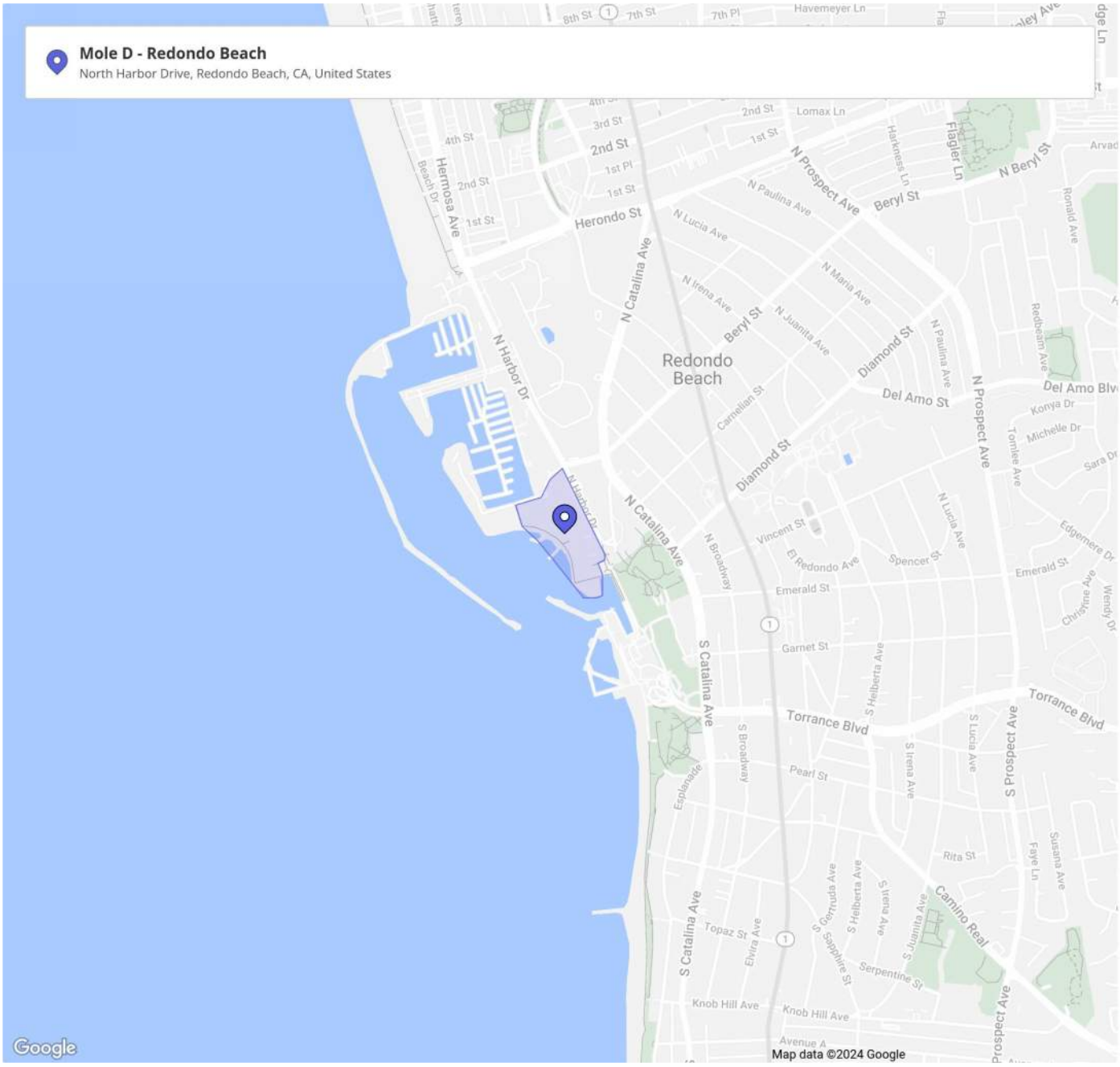
Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.
For additional info, please visit https://www.placer.ai/company/privacy-faq



# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq



# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Metrics

**Mole D - Redondo Beach**
Harbor Drive, Redondo Beach, CA 90277

| | | | |
|---|---|---|---|
| Visits | 401.6K | Panel Visits | 14.2K |
| Visitors | 239.3K | Visits YoY | -0.2% |
| Visit Frequency | 1.68 | Visits Yo2Y | -12.6% |
| Avg. Dwell Time | 61 min | Visits Yo3Y | -7.5% |

Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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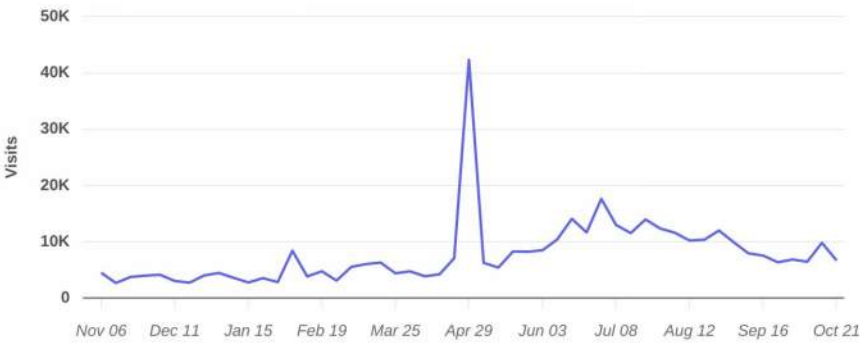
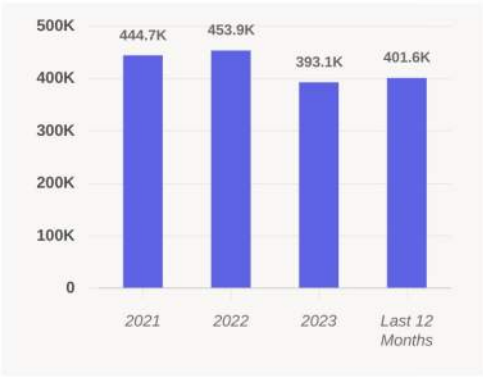
## Visits Trend

**Mole D - Redondo Beach**
Harbor Drive, Redondo Beach, CA




Weekly | Visits | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Audience Overview

### Summary

| *Property* | Median Household Income | Bachelor's Degree or Higher | Median Age | Most Common Ethnicity | Persons per Household |
|---|---|---|---|---|---|
| **Mole D - Redondo B...** Harbor Drive, Redondo B... | $80.9K | 37.9% | 36.7 | Hispanic or Latino (44%) | 2.85 |
| **California** | $84.8K | 35.3% | 36.6 | Hispanic or Latino (39.5%) | 2.99 |

Nov 1st, 2023 - Oct 31st, 2024 | Data Source: Census 2021
Data provided by Placer Labs Inc. (www.placer.ai)

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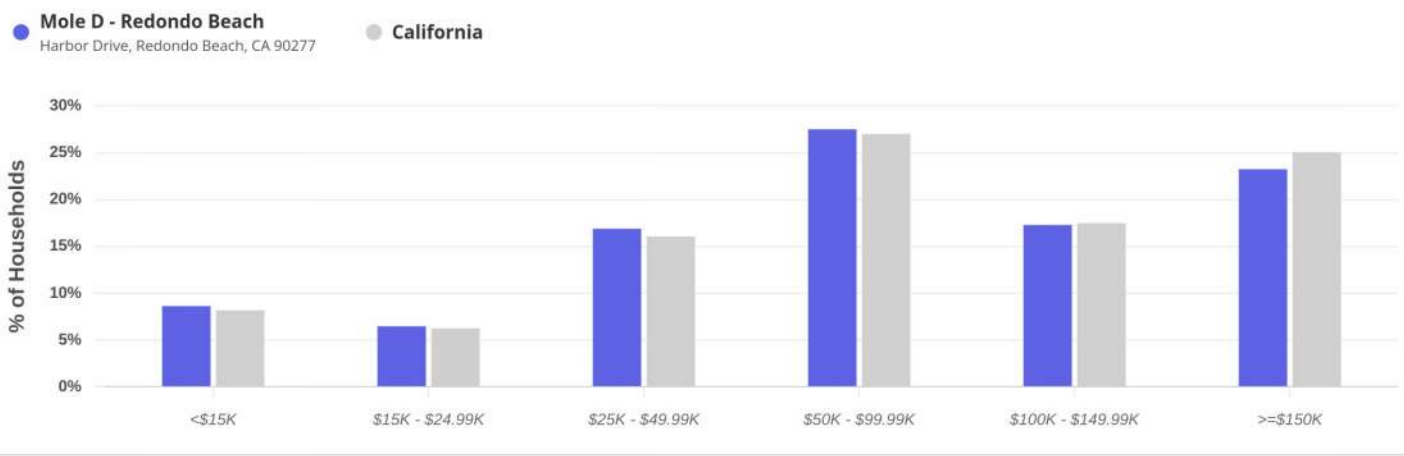
# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Household Income




Nov 1st, 2023 - Oct 31st, 2024 | Data Source: Census 2021
Data provided by Placer Labs Inc. (www.placer.ai)

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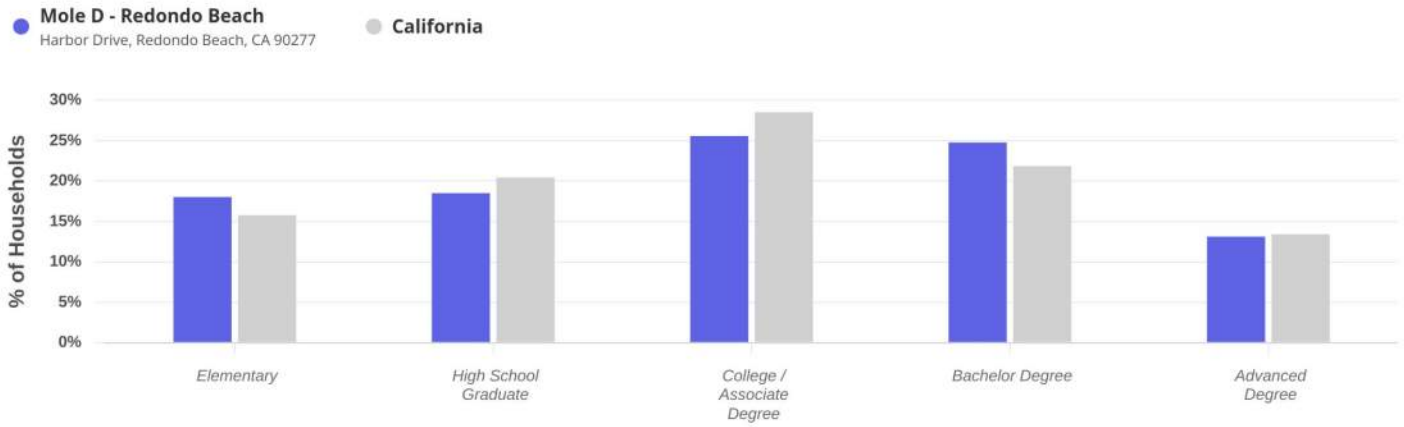
## Education




Nov 1st, 2023 - Oct 31st, 2024 | Data Source: Census 2021
Data provided by Placer Labs Inc. (www.placer.ai)

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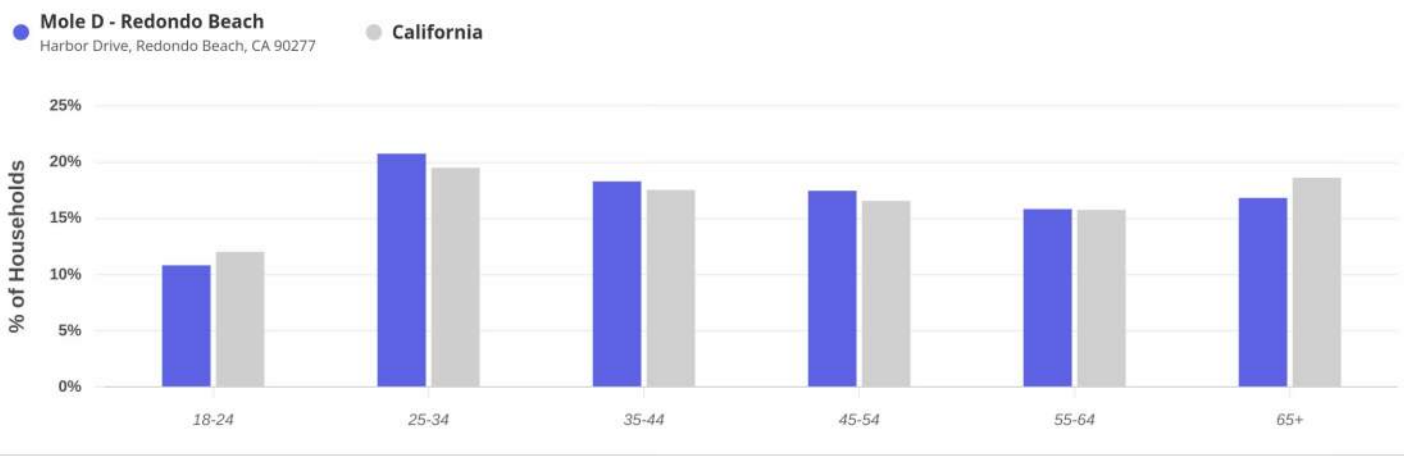
# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Age




Nov 1st, 2023 - Oct 31st, 2024 | Data Source: Census 2021
Data provided by Placer Labs Inc. (www.placer.ai)

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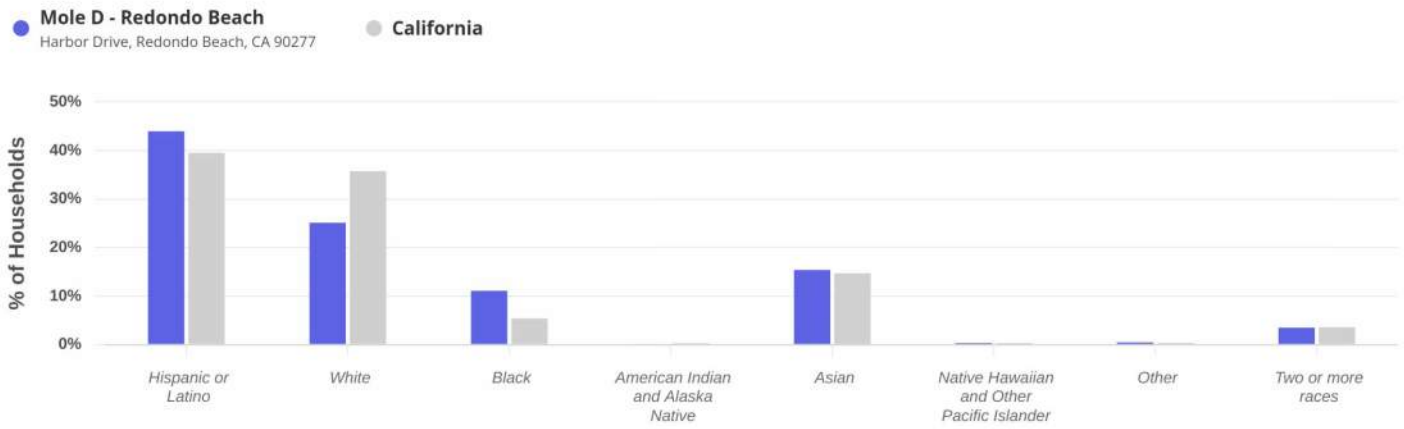
## Ethnicity




Nov 1st, 2023 - Oct 31st, 2024 | Data Source: Census 2021
Data provided by Placer Labs Inc. (www.placer.ai)

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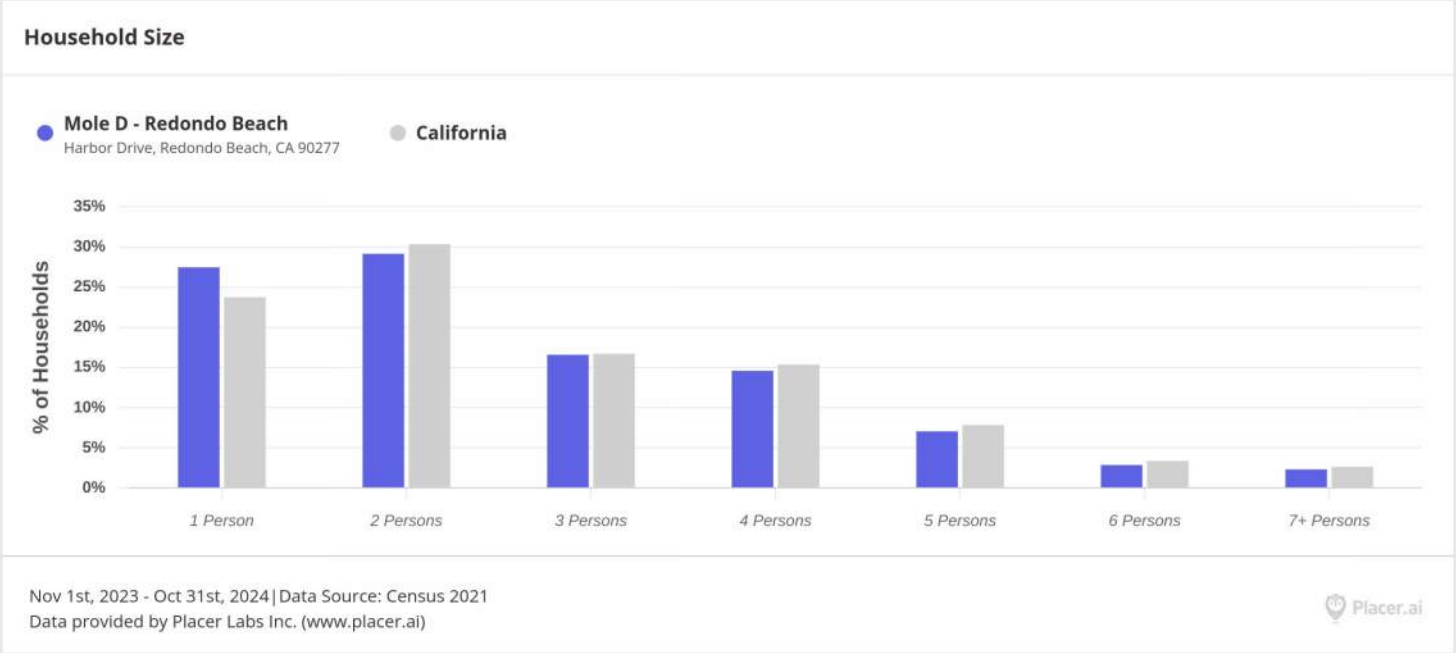
# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq



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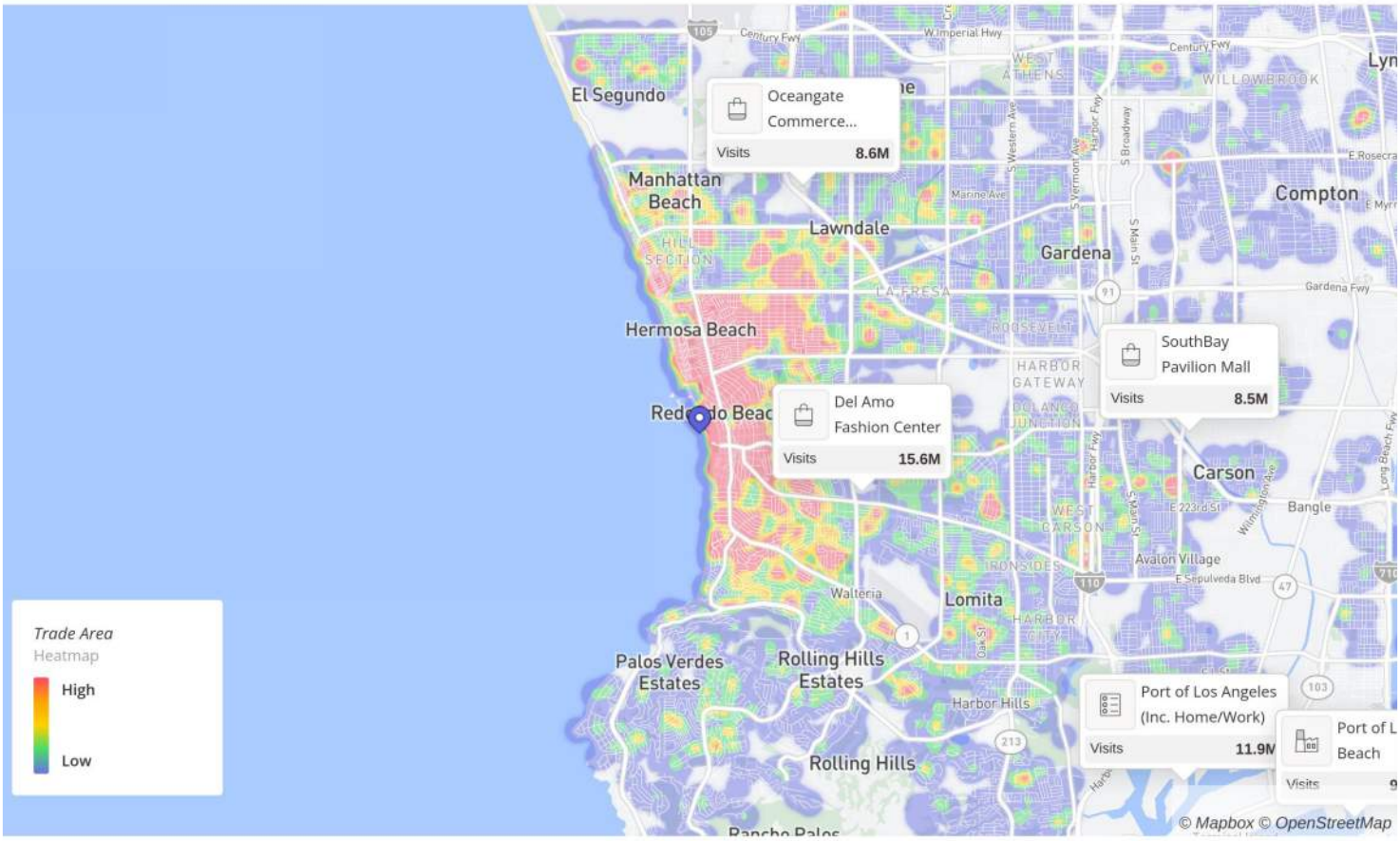
## Market Landscape




Home locations are obfuscated for privacy and randomly placed within a census block. They do not represent actual home addresses.

Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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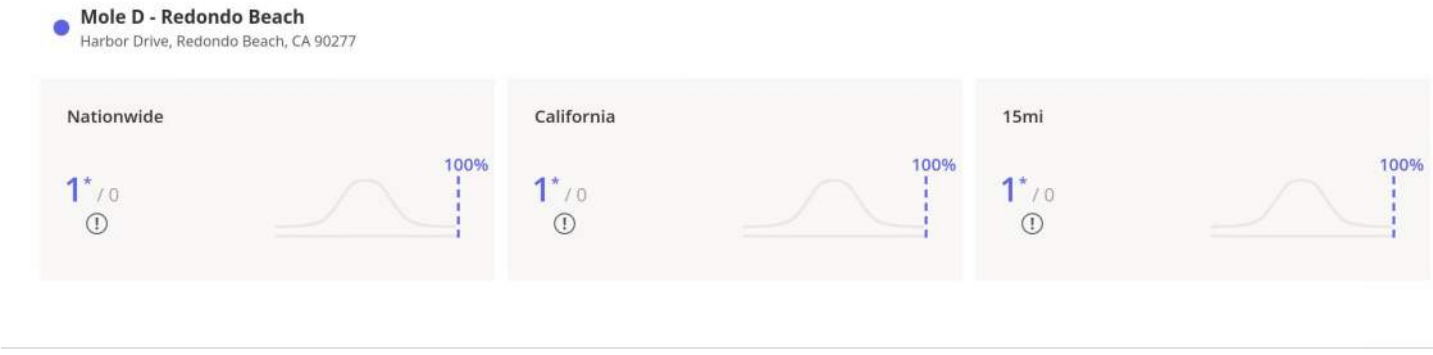
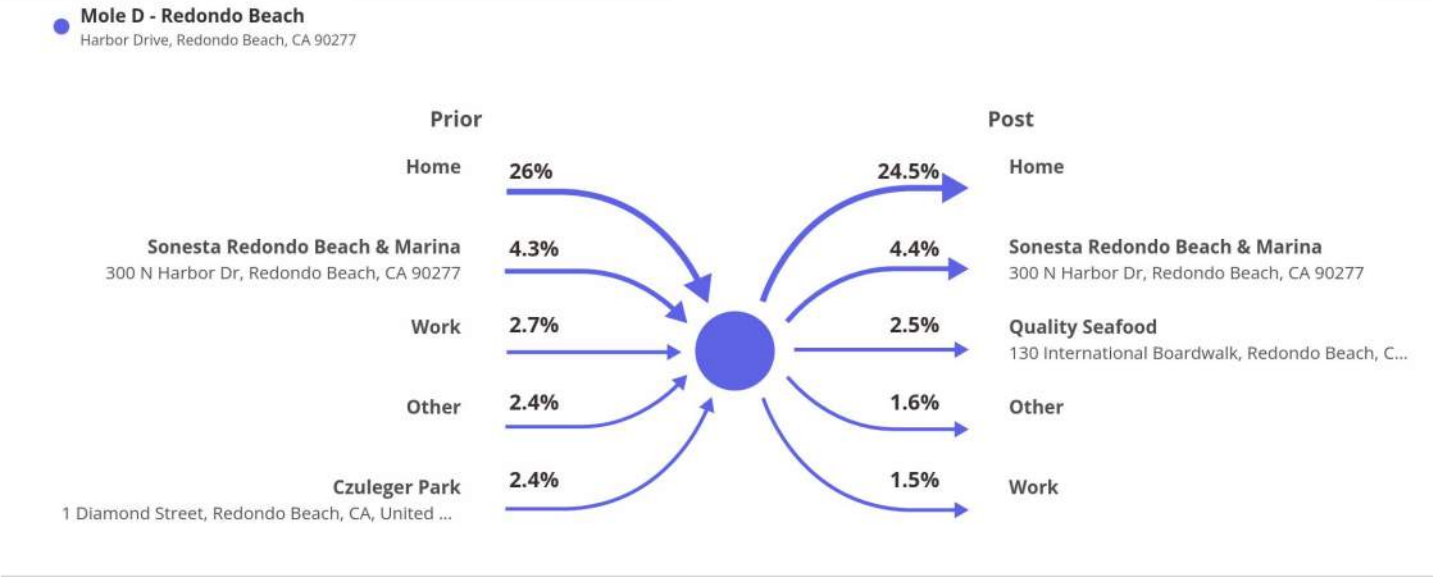
## Ranking Overview




Category: Address | Visits | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

## Visitor Journey



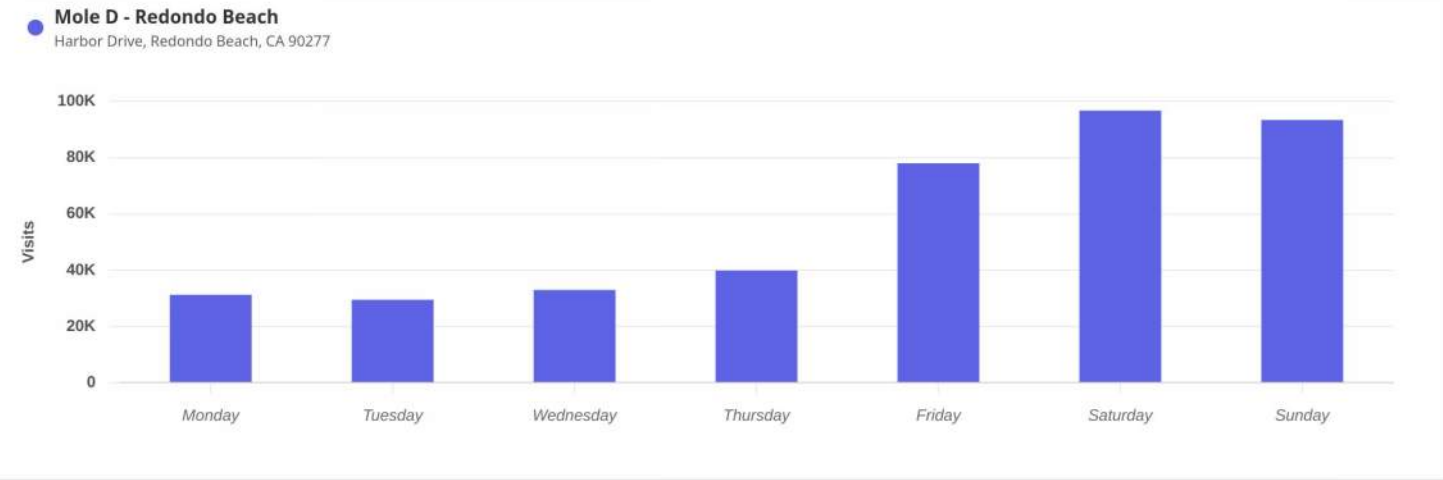

Show by: | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Daily Visits




Visits | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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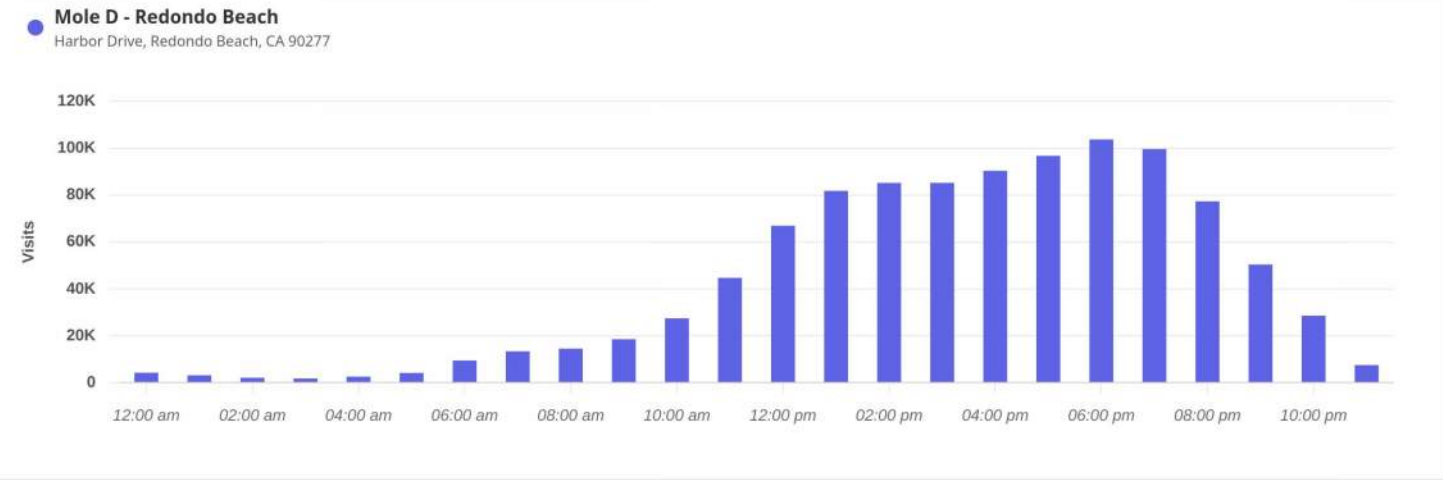
## Hourly Visits




Visits | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Favorite Places

Mole D - Redondo Beach / Harbor Drive, Redondo Beach, CA

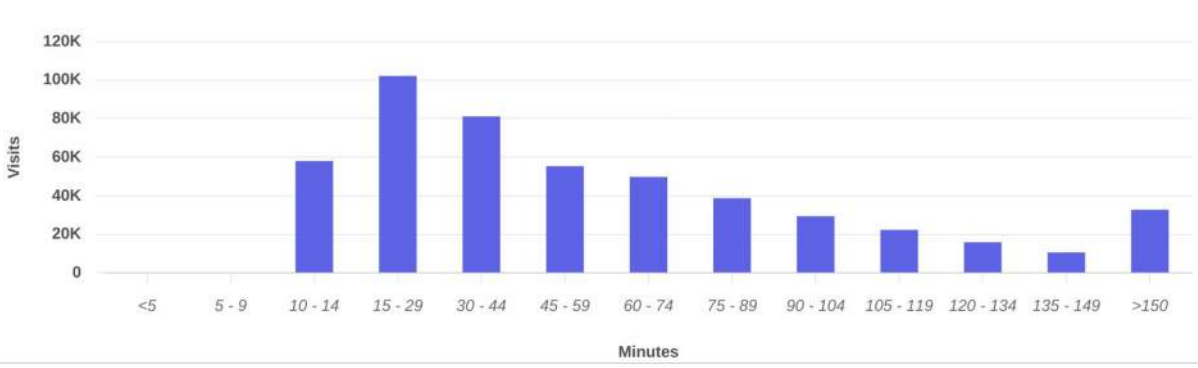
| Rank | Name | Distance | Visitors |
|---|---|---|---|
| 1 | **Los Angeles International Airport** / 1 World Way, Los Angeles, CA 90045 | 7.1 mi | 159.9K (66.8%) |
| 2 | **Redondo Beach Pier** / 100 Fishermans Wharf, Redondo Beach, CA 90277 | 0.3 mi | 123.1K (51.5%) |
| 3 | **Del Amo Fashion Center** / 3525 W Carson St, Torrance, CA 90503 | 2.5 mi | 116.2K (48.6%) |
| 4 | **Parking lot** / 161 N Harbor Dr, Redondo Beach, CA 90277 | 0.1 mi | 90.4K (37.8%) |
| 5 | **Manhattan Village** / 3200 N Sepulveda Blvd, Manhattan Beach, CA 90266 | 4 mi | 76.2K (31.8%) |
| 6 | **Lax International Airport Los Angeles California** / 1 World Way, Los Angeles, CA 90045 | 6.9 mi | 59.4K (24.8%) |
| 7 | **Gateway Center** / 14501 Hindry Ave, Hawthorne, CA 90250 | 4 mi | 59.2K (24.8%) |
| 8 | **Oceangate Commerce Center** / 14555 S Ocean Gate Ave, Hawthorne, CA 90250 | 4.2 mi | 59K (24.7%) |
| 9 | **Disneyland Park** / 1313 Disneyland Dr, Anaheim, CA 92802 | 27.3 mi | 58.6K (24.5%) |
| 10 | **South Bay Marketplace** / 1517 Hawthorne Blvd, Redondo Beach, CA 90278 | 2.8 mi | 57.5K (24.1%) |

Category: All Categories | Min. Visits: 1 | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

Placer.ai

## Visit Duration

**Mole D - Redondo Beach**
Harbor Drive, Redondo Beach, CA 90277




| | |
|---|---|
| **Average Stay** | 61 min |
| **Median Stay** | 47 min |

Visits | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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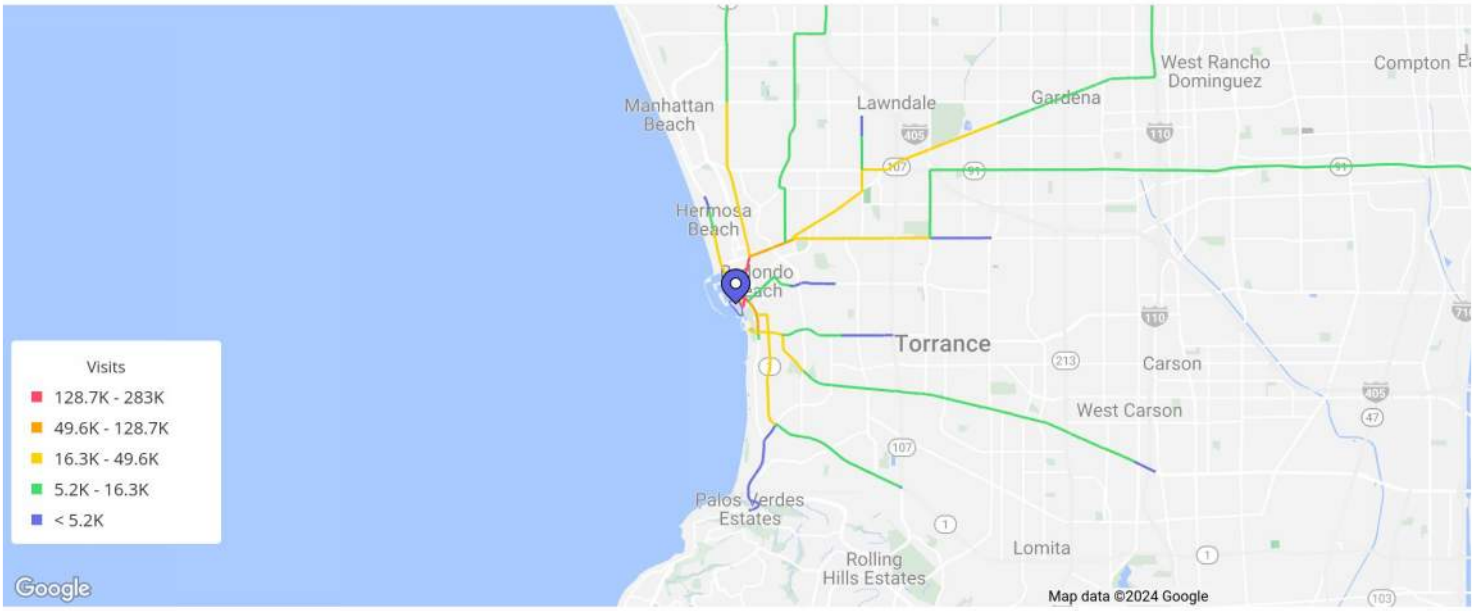
# Mole D 12- Month Analysis

Nov 1, 2023 - Oct 31, 2024

Visitation data for Mole D - Redondo Beach is adjusted to exclude restricted locations.For additional info, please visit https://www.placer.ai/company/privacy-faq

## Visitor Journey - Routes




To protect individual privacy, the beginning points shown for each route are approximations and do not represent actual home locations.

Journey Direction: To Property | Nov 1st, 2023 - Oct 31st, 2024
Data provided by Placer Labs Inc. (www.placer.ai)

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# Appendix B

SCAG Data

employment growth reflecting different land use scenarios. As part of the SB375's Sustainable Communities Strategy guidelines, SCAG held twenty-seven public outreach meetings to solicit input on these alternatives. The goal of this scenario planning exercise is to maximize the benefits of Greenhouse Gas/ Vehicle Miles Travelled (GHG/VMT) reductions, public health, and other co-benefits from large transportation investments in the region. Following public input and SCAG's analysis of the GHG/VMT benefits of the alternative scenarios, a preferred growth forecast scenario was chosen which prioritizes growth in areas such as job centers and transit priority areas which have regional transportation benefits. See the Sustainable Communities Strategy Technical Report for additional details (see **EXHIBITS 1-9**).

After developing the draft 2020 RTP/SCS between July 2019 and October 2019, SCAG released the draft 2020 RTP/SCS in November 2019. The Regional Council adopted the 2020 RTP/SCS, including the regional growth forecast at the county and jurisdictional-levels.

# GROWTH TRENDS

## POPULATION

According to the January 1, 2019 population estimates from the California Department of Finance (DOF), the population of the SCAG region is 19,155,405. This represents 5.8 percent of the 328 million people in the United States and 48.0 percent of California's population. The SCAG region is the nation's second-largest combined statistical area (CSA) behind the New York-Newark CSA. If the SCAG region were its own state, it would rank fifth in population just behind New York (19.2 million) and well ahead of Pennsylvania (12.8 million) (**TABLE 2**).

While job growth and unemployment drops have characterized the recovery from the Great Recession, slower population growth is anticipated not just in the SCAG region but across California and nationwide. Historically, the SCAG region's population growth has dramatically outpaced the United States—1.7 percent compared to 1.1 percent for the period from 1970 to 2000. However, since 2000 average annual growth rates in the region have been comparable with the United States at roughly 0.8 percent annually.

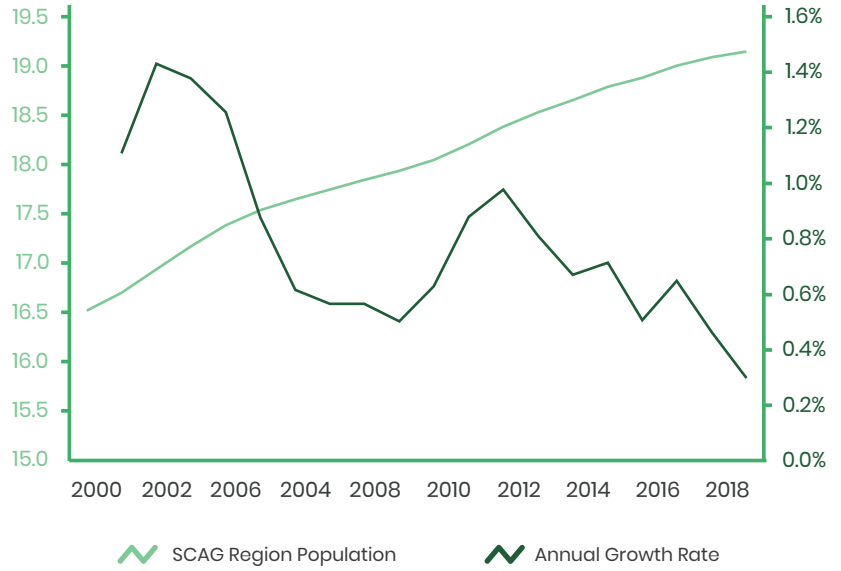
Population growth dipped noticeably during the Great Recession reaching a low of 0.5 percent in 2009 before rebounding to nearly 1.0 percent by 2012 **(FIGURE 1)**. Despite this, the annual rate of population growth has continued

**TABLE 2** Annual Average Population Growth Rate, 1970–2045

| | 1970–2000 | 2000–2016 | 2016–2045 |
|---|---|---|---|
| SCAG Region | 1.65% | 0.82% | 0.61% |
| California | 1.76% | 0.93% | 0.66% |
| United States | 1.09% | 0.86% | 0.57% |

*Source: U.S. Census Bureau, CA DOF, SCAG*

**FIGURE 1** SCAG Region Population (in Millions) and Annual Growth Rate, 2000–2019




*Source: CA DOF*

**TABLE 14** Jurisdiction-Level Growth Forecast - Continued

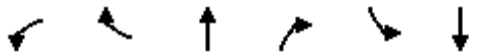
| County | Jurisdiction | Population | | Households | | Employment | |
|---|---|---|---|---|---|---|---|
| | | 2016 | 2045 | 2016 | 2045 | 2016 | 2045 |
| Los Angeles | Lancaster city | 157,800 | 213,300 | 46,900 | 74,600 | 56,300 | 65,500 |
| Los Angeles | La Puente city | 40,400 | 41,600 | 9,400 | 9,900 | 6,600 | 8,200 |
| Los Angeles | La Verne city | 33,100 | 34,400 | 11,700 | 12,400 | 17,000 | 18,300 |
| Los Angeles | Lawndale city | 33,400 | 34,400 | 9,700 | 10,200 | 7,400 | 8,300 |
| Los Angeles | Lomita city | 20,400 | 21,200 | 8,000 | 8,500 | 5,600 | 6,100 |
| Los Angeles | Long Beach city | 470,900 | 489,600 | 168,600 | 198,200 | 155,900 | 185,400 |
| Los Angeles | Los Angeles city | 3,933,800 | 4,771,300 | 1,367,000 | 1,793,000 | 1,848,300 | 2,135,900 |
| Los Angeles | Lynwood city | 71,900 | 76,900 | 14,900 | 16,500 | 12,000 | 13,100 |
| Los Angeles | Malibu city | 12,700 | 13,000 | 5,200 | 5,400 | 9,900 | 11,000 |
| Los Angeles | Manhattan Beach city | 35,400 | 35,600 | 13,900 | 14,000 | 22,000 | 23,600 |
| Los Angeles | Maywood city | 28,000 | 29,000 | 6,600 | 7,000 | 4,000 | 4,300 |
| Los Angeles | Monrovia city | 38,000 | 42,100 | 14,000 | 16,700 | 22,700 | 24,800 |
| Los Angeles | Montebello city | 63,900 | 67,800 | 19,100 | 21,100 | 29,300 | 31,300 |
| Los Angeles | Monterey Park city | 61,500 | 65,600 | 20,000 | 22,200 | 45,500 | 48,000 |
| Los Angeles | Norwalk city | 105,500 | 107,000 | 26,700 | 27,300 | 25,700 | 28,100 |
| Los Angeles | Palmdale city | 158,600 | 207,000 | 43,800 | 61,800 | 36,700 | 45,900 |
| Los Angeles | Palos Verdes Estates city | 13,700 | 14,000 | 5,100 | 5,300 | 3,000 | 3,300 |
| Los Angeles | Paramount city | 55,900 | 57,500 | 14,100 | 14,500 | 21,400 | 23,000 |
| Los Angeles | Pasadena city | 142,100 | 155,500 | 56,300 | 65,100 | 116,200 | 140,200 |
| Los Angeles | Pico Rivera city | 63,500 | 67,400 | 16,600 | 18,500 | 24,900 | 27,200 |
| Los Angeles | Pomona city | 154,700 | 187,600 | 39,300 | 52,800 | 55,700 | 63,400 |
| Los Angeles | Rancho Palos Verdes city | 42,800 | 43,000 | 15,700 | 15,800 | 8,000 | 8,200 |
| Los Angeles | Redondo Beach city | 68,200 | 72,900 | 29,200 | 31,100 | 25,400 | 28,300 |
| Los Angeles | Rolling Hills city | 1,900 | 2,000 | 700 | 700 | 100 | 100 |
| Los Angeles | Rolling Hills Estates city | 8,100 | 8,500 | 2,900 | 3,200 | 7,100 | 7,600 |

Population = 0.24% / Year (Total=6.9%)

Employment = 0.39% / Year (Total=11.4%)

# Appendix C

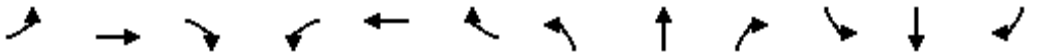
Intersection Analysis Worksheets



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 160 | 184 | 155 | 74 | 126 | 81 |
| Future Volume (vph) | 160 | 184 | 155 | 74 | 126 | 81 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.90 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.96 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1597 | 1583 | 1742 | | 1762 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.48 | 1.00 |
| Satd. Flow (perm) | 1597 | 1583 | 1742 | | 890 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.86 | 0.86 | 0.74 | 0.74 |
| Adj. Flow (vph) | 178 | 204 | 180 | 86 | 170 | 109 |
| RTOR Reduction (vph) | 0 | 133 | 8 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 178 | 71 | 258 | 0 | 170 | 109 |
| Confl. Peds. (#/hr) | 47 | | | 11 | 11 | |
| Confl. Bikes (#/hr) | | | | 37 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 18.0 | 18.0 | 36.9 | | 62.9 | 42.7 |
| Effective Green, g (s) | 18.0 | 18.0 | 36.9 | | 57.9 | 42.7 |
| Actuated g/C Ratio | 0.20 | 0.20 | 0.40 | | 0.63 | 0.47 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 314 | 311 | 703 | | 725 | 870 |
| v/s Ratio Prot | | | c0.15 | | c0.04 | 0.06 |
| v/s Ratio Perm | c0.11 | 0.04 | | | 0.10 | |
| v/c Ratio | 0.57 | 0.23 | 0.37 | | 0.23 | 0.13 |
| Uniform Delay, d1 | 33.2 | 30.9 | 19.1 | | 7.2 | 13.8 |
| Progression Factor | 1.00 | 1.00 | 0.15 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.3 | 0.4 | 0.3 | | 0.2 | 0.1 |
| Delay (s) | 35.5 | 31.2 | 3.2 | | 7.4 | 13.8 |
| Level of Service | D | C | A | | A | B |
| Approach Delay (s) | 33.2 | | 3.2 | | | 9.9 |
| Approach LOS | C | | A | | | A |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 17.6 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.42 | | |
| Actuated Cycle Length (s) | 91.4 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 55.4% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

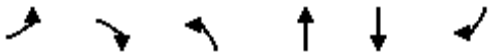
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 223 | 0 | 0 | 216 | 20 |
| Future Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 223 | 0 | 0 | 216 | 20 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.93 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.98 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1672 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1628 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.50 | 0.50 | 0.50 | 0.92 | 0.92 | 0.92 | 0.79 | 0.79 | 0.79 | 0.82 | 0.82 | 0.82 |
| Adj. Flow (vph) | 10 | 0 | 10 | 0 | 0 | 0 | 5 | 282 | 0 | 0 | 263 | 24 |
| RTOR Reduction (vph) | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 282 | 0 | 0 | 263 | 24 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 18 | 18 | | 149 |
| Confl. Bikes (#/hr) | | | | | | | | | 125 | | | 143 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 9.9 | | | | | 1.3 | 36.9 | | | 66.2 | 81.1 |
| Effective Green, g (s) | | 9.9 | | | | | 1.3 | 36.9 | | | 66.2 | 76.1 |
| Actuated g/C Ratio | | 0.11 | | | | | 0.01 | 0.40 | | | 0.72 | 0.83 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 176 | | | | | 25 | 752 | | | 1349 | 1318 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.15 | | | c0.14 | c0.02 |
| v/s Ratio Perm | | 0.00 | | | | | | | | | | |
| v/c Ratio | | 0.01 | | | | | 0.20 | 0.38 | | | 0.19 | 0.02 |
| Uniform Delay, d1 | | 36.4 | | | | | 44.5 | 19.1 | | | 4.0 | 1.3 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.21 | 0.00 |
| Incremental Delay, d2 | | 0.0 | | | | | 1.4 | 0.3 | | | 0.1 | 0.0 |
| Delay (s) | | 36.4 | | | | | 46.0 | 19.5 | | | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | B | | | A | A |
| Approach Delay (s) | | 36.4 | | | 0.0 | | | 19.9 | | | 0.8 | |
| Approach LOS | | D | | | A | | | B | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 11.3 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.28 | | |
| Actuated Cycle Length (s) | 91.4 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

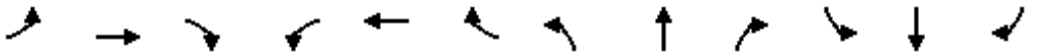
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 76 | 74 | 81 | 157 | 103 | 115 |
| Future Volume (vph) | 76 | 74 | 81 | 157 | 103 | 115 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 |
| Flpb, ped/bikes | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.79 | 0.79 | 0.80 | 0.80 |
| Adj. Flow (vph) | 99 | 96 | 103 | 199 | 129 | 144 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 99 | 96 | 103 | 199 | 129 | 144 |
| Confl. Peds. (#/hr) | 8 | | | | | 132 |
| Confl. Bikes (#/hr) | | | | | | 130 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 9.0 | 9.0 | 6.9 | 45.3 | 33.9 | 42.9 |
| Effective Green, g (s) | 9.0 | 9.0 | 6.9 | 45.3 | 33.9 | 42.9 |
| Actuated g/C Ratio | 0.14 | 0.14 | 0.11 | 0.71 | 0.53 | 0.67 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 246 | 223 | 191 | 1322 | 989 | 954 |
| v/s Ratio Prot | | | c0.06 | c0.11 | 0.07 | 0.02 |
| v/s Ratio Perm | 0.06 | c0.06 | | | | 0.08 |
| v/c Ratio | 0.40 | 0.43 | 0.54 | 0.15 | 0.13 | 0.15 |
| Uniform Delay, d1 | 25.0 | 25.1 | 26.9 | 3.0 | 7.5 | 3.8 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.1 | 1.3 | 1.5 | 0.1 | 0.1 | 0.0 |
| Delay (s) | 26.0 | 26.4 | 28.4 | 3.1 | 7.6 | 3.8 |
| Level of Service | C | C | C | A | A | A |
| Approach Delay (s) | 26.2 | | | 11.7 | 5.6 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 13.2 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.26 | | |
| Actuated Cycle Length (s) | 63.8 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 39.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 9 | 52 | 4 | 47 | 95 | 234 | 5 | 25 | 43 | 115 | 47 | 16 |
| Future Volume (vph) | 9 | 52 | 4 | 47 | 95 | 234 | 5 | 25 | 43 | 115 | 47 | 16 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 0.98 | 1.00 | 0.92 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1835 | | 1770 | 1863 | 1544 | 1770 | 1554 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1835 | | 1770 | 1863 | 1544 | 1770 | 1554 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.69 | 0.69 | 0.69 | 0.77 | 0.77 | 0.77 | 0.73 | 0.73 | 0.73 | 0.71 | 0.71 | 0.71 |
| Adj. Flow (vph) | 13 | 75 | 6 | 61 | 123 | 304 | 7 | 34 | 59 | 162 | 66 | 23 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 176 | 0 | 46 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 13 | 81 | 0 | 61 | 123 | 128 | 7 | 47 | 0 | 162 | 66 | 23 |
| Confl. Peds. (#/hr) | | | 19 | | | 35 | | | 27 | | | 136 |
| Confl. Bikes (#/hr) | | | | | | | | | 93 | | | 115 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 2.5 | 9.1 | | 4.0 | 10.1 | 30.6 | 0.7 | 16.3 | | 20.5 | 37.1 | 7.1 |
| Effective Green, g (s) | 2.5 | 9.1 | | 4.0 | 10.1 | 30.6 | 0.7 | 16.3 | | 20.5 | 37.1 | 7.1 |
| Actuated g/C Ratio | 0.03 | 0.12 | | 0.05 | 0.14 | 0.42 | 0.01 | 0.22 | | 0.28 | 0.51 | 0.10 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 60 | 229 | | 97 | 258 | 648 | 16 | 347 | | 497 | 948 | 154 |
| v/s Ratio Prot | 0.01 | 0.04 | | c0.03 | c0.07 | 0.06 | 0.00 | c0.03 | | c0.09 | 0.04 | c0.01 |
| v/s Ratio Perm | | | | | | 0.03 | | | | | | |
| v/c Ratio | 0.22 | 0.35 | | 0.63 | 0.48 | 0.20 | 0.44 | 0.14 | | 0.33 | 0.07 | 0.15 |
| Uniform Delay, d1 | 34.2 | 29.2 | | 33.7 | 29.0 | 13.4 | 35.9 | 22.7 | | 20.7 | 9.1 | 30.1 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.7 | 0.3 | | 8.8 | 0.5 | 0.1 | 6.8 | 0.2 | | 0.4 | 0.0 | 0.2 |
| Delay (s) | 34.9 | 29.6 | | 42.6 | 29.5 | 13.5 | 42.7 | 22.9 | | 21.1 | 9.2 | 30.3 |
| Level of Service | C | C | | D | C | B | D | C | | C | A | C |
| Approach Delay (s) | | 30.3 | | | 21.2 | | | 24.3 | | | 18.8 | |
| Approach LOS | | C | | | C | | | C | | | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.8 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.33 | | |
| Actuated Cycle Length (s) | 72.9 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 49.5% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.9 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 9 | 7 | 13 | 50 | 49 | 16 |
| Future Vol, veh/h | 9 | 7 | 13 | 50 | 49 | 16 |
| Peak Hour Factor | 0.75 | 0.75 | 0.88 | 0.88 | 0.60 | 0.60 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 12 | 9 | 15 | 57 | 82 | 27 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 7.7 | 7.8 | 8 |
| HCM LOS | A | A | A |

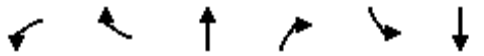
| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 75% |
| Vol Right, % | 0% | 0% | 0% | 100% | 25% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 13 | 50 | 9 | 7 | 65 |
| LT Vol | 13 | 0 | 9 | 0 | 0 |
| Through Vol | 0 | 50 | 0 | 0 | 49 |
| RT Vol | 0 | 0 | 0 | 7 | 16 |
| Lane Flow Rate | 15 | 57 | 12 | 9 | 108 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.021 | 0.073 | 0.018 | 0.011 | 0.129 |
| Departure Headway (Hd) | 5.125 | 4.624 | 5.457 | 4.254 | 4.276 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 697 | 773 | 660 | 846 | 835 |
| Service Time | 2.863 | 2.363 | 3.157 | 1.954 | 2.32 |
| HCM Lane V/C Ratio | 0.022 | 0.074 | 0.018 | 0.011 | 0.129 |
| HCM Control Delay | 8 | 7.7 | 8.3 | 7 | 8 |
| HCM Lane LOS | A | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.2 | 0.1 | 0 | 0.4 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.9 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 49 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 61 |
| Future Vol, veh/h | 49 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 61 |
| Peak Hour Factor | 0.69 | 0.69 | 0.69 | 0.75 | 0.75 | 0.75 | 0.56 | 0.56 | 0.56 | 0.77 | 0.77 | 0.77 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 71 | 3 | 13 | 0 | 0 | 7 | 13 | 16 | 0 | 3 | 26 | 79 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 8.4 | 7.4 | 8.2 | 7.4 |
| HCM LOS | A | A | A | A |

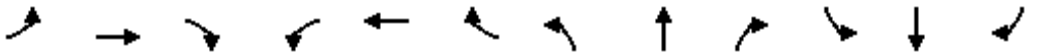
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 44% | 100% | 0% | 0% | 9% | 0% |
| Vol Thru, % | 56% | 0% | 18% | 0% | 91% | 0% |
| Vol Right, % | 0% | 0% | 82% | 100% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 16 | 49 | 11 | 5 | 22 | 61 |
| LT Vol | 7 | 49 | 0 | 0 | 2 | 0 |
| Through Vol | 9 | 0 | 2 | 0 | 20 | 0 |
| RT Vol | 0 | 0 | 9 | 5 | 0 | 61 |
| Lane Flow Rate | 29 | 71 | 16 | 7 | 29 | 79 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.04 | 0.104 | 0.019 | 0.008 | 0.039 | 0.09 |
| Departure Headway (Hd) | 4.982 | 5.268 | 4.194 | 4.355 | 4.856 | 4.109 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 723 | 673 | 840 | 825 | 742 | 877 |
| Service Time | 2.985 | 3.061 | 1.986 | 2.362 | 2.556 | 1.809 |
| HCM Lane V/C Ratio | 0.04 | 0.105 | 0.019 | 0.008 | 0.039 | 0.09 |
| HCM Control Delay | 8.2 | 8.7 | 7.1 | 7.4 | 7.8 | 7.2 |
| HCM Lane LOS | A | A | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.3 | 0.1 | 0 | 0.1 | 0.3 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 187 | 274 | 293 | 160 | 238 | 283 |
| Future Volume (vph) | 187 | 274 | 293 | 160 | 238 | 283 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.96 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1690 | 1583 | 1731 | | 1767 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.22 | 1.00 |
| Satd. Flow (perm) | 1690 | 1583 | 1731 | | 417 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 |
| Adj. Flow (vph) | 208 | 304 | 326 | 178 | 280 | 333 |
| RTOR Reduction (vph) | 0 | 165 | 10 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 208 | 139 | 494 | 0 | 280 | 333 |
| Confl. Peds. (#/hr) | 19 | | | 16 | 16 | |
| Confl. Bikes (#/hr) | | | | 26 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 22.7 | 22.7 | 39.9 | | 70.5 | 45.7 |
| Effective Green, g (s) | 22.7 | 22.7 | 39.9 | | 65.5 | 45.7 |
| Actuated g/C Ratio | 0.22 | 0.22 | 0.38 | | 0.63 | 0.44 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 369 | 346 | 666 | | 544 | 821 |
| v/s Ratio Prot | | | c0.29 | | c0.11 | 0.18 |
| v/s Ratio Perm | c0.12 | 0.09 | | | 0.22 | |
| v/c Ratio | 0.56 | 0.40 | 0.74 | | 0.51 | 0.41 |
| Uniform Delay, d1 | 36.1 | 34.7 | 27.5 | | 12.2 | 19.8 |
| Progression Factor | 1.00 | 1.00 | 0.27 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.0 | 0.8 | 3.2 | | 0.8 | 0.3 |
| Delay (s) | 38.1 | 35.5 | 10.6 | | 13.0 | 20.1 |
| Level of Service | D | D | B | | B | C |
| Approach Delay (s) | 36.5 | | 10.6 | | | 16.8 |
| Approach LOS | D | | B | | | B |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.1 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.68 | | |
| Actuated Cycle Length (s) | 103.7 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 63.1% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

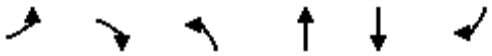
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 443 | 0 | 4 | 450 | 18 |
| Future Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 443 | 0 | 4 | 450 | 18 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | 5.5 | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | 0.99 | 1.00 | 1.00 |
| Frt | | 0.94 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | | 0.97 | | | | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1683 | | | | | 1770 | 1863 | | 1753 | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | 0.32 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1644 | | | | | 1770 | 1863 | | 599 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.64 | 0.64 | 0.64 | 0.92 | 0.92 | 0.92 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 | 0.85 |
| Adj. Flow (vph) | 28 | 0 | 22 | 0 | 0 | 0 | 6 | 492 | 0 | 5 | 529 | 21 |
| RTOR Reduction (vph) | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 492 | 0 | 5 | 529 | 21 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 19 | 19 | | 119 |
| Confl. Bikes (#/hr) | | | | | | | | | 193 | | | 207 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 14.5 | | | | | 1.3 | 39.9 | | 73.9 | 73.9 | 93.4 |
| Effective Green, g (s) | | 14.5 | | | | | 1.3 | 39.9 | | 73.9 | 73.9 | 88.4 |
| Actuated g/C Ratio | | 0.14 | | | | | 0.01 | 0.38 | | 0.71 | 0.71 | 0.85 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 229 | | | | | 22 | 716 | | 426 | 1327 | 1349 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.26 | | | c0.28 | 0.01 |
| v/s Ratio Perm | | c0.00 | | | | | | | | 0.01 | | |
| v/c Ratio | | 0.03 | | | | | 0.27 | 0.69 | | 0.01 | 0.40 | 0.02 |
| Uniform Delay, d1 | | 38.5 | | | | | 50.7 | 26.7 | | 4.3 | 6.0 | 1.1 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | 0.16 | 0.11 | 0.01 |
| Incremental Delay, d2 | | 0.1 | | | | | 2.4 | 2.8 | | 0.0 | 0.2 | 0.0 |
| Delay (s) | | 38.6 | | | | | 53.2 | 29.4 | | 0.7 | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | C | | A | A | A |
| Approach Delay (s) | | 38.6 | | | 0.0 | | | 29.7 | | | 0.8 | |
| Approach LOS | | D | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.6 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.50 | | |
| Actuated Cycle Length (s) | 103.7 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

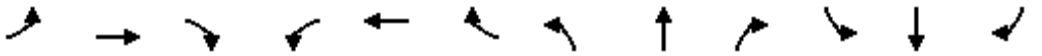
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 155 | 124 | 149 | 259 | 275 | 218 |
| Future Volume (vph) | 155 | 124 | 149 | 259 | 275 | 218 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.89 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Peak-hour factor, PHF | 0.86 | 0.86 | 0.85 | 0.85 | 0.86 | 0.86 |
| Adj. Flow (vph) | 180 | 144 | 175 | 305 | 320 | 253 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 180 | 144 | 175 | 305 | 320 | 253 |
| Confl. Peds. (#/hr) | | 2 | | | | 145 |
| Confl. Bikes (#/hr) | | | | | | 156 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 13.0 | 13.0 | 11.1 | 46.1 | 30.5 | 43.5 |
| Effective Green, g (s) | 13.0 | 13.0 | 11.1 | 46.1 | 30.5 | 43.5 |
| Actuated g/C Ratio | 0.19 | 0.19 | 0.16 | 0.67 | 0.44 | 0.63 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 335 | 293 | 286 | 1251 | 828 | 894 |
| v/s Ratio Prot | | | c0.10 | 0.16 | c0.17 | 0.05 |
| v/s Ratio Perm | c0.10 | 0.09 | | | | 0.13 |
| v/c Ratio | 0.54 | 0.49 | 0.61 | 0.24 | 0.39 | 0.28 |
| Uniform Delay, d1 | 25.1 | 24.8 | 26.7 | 4.4 | 12.8 | 5.6 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.7 | 1.3 | 2.7 | 0.1 | 0.3 | 0.1 |
| Delay (s) | 26.7 | 26.1 | 29.5 | 4.5 | 13.1 | 5.7 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 26.5 | | | 13.6 | 9.8 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.1 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.47 | | |
| Actuated Cycle Length (s) | 68.6 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 54.1% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 88 | 9 | 113 | 67 | 380 | 7 | 63 | 135 | 292 | 103 | 25 |
| Future Volume (vph) | 16 | 88 | 9 | 113 | 67 | 380 | 7 | 63 | 135 | 292 | 103 | 25 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.97 | 1.00 | 0.91 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1821 | | 1770 | 1863 | 1531 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1821 | | 1770 | 1863 | 1531 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.77 | 0.77 | 0.77 | 0.90 | 0.90 | 0.90 |
| Adj. Flow (vph) | 17 | 95 | 10 | 122 | 72 | 409 | 9 | 82 | 175 | 324 | 114 | 28 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 242 | 0 | 67 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 17 | 105 | 0 | 122 | 72 | 167 | 9 | 190 | 0 | 324 | 114 | 28 |
| Confl. Peds. (#/hr) | | | 30 | | | 26 | | | 23 | | | 137 |
| Confl. Bikes (#/hr) | | | | | | 1 | | | 136 | | | 187 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 3.1 | 10.9 | | 10.1 | 17.4 | 38.6 | 0.9 | 29.2 | | 21.2 | 50.5 | 11.9 |
| Effective Green, g (s) | 3.1 | 10.9 | | 10.1 | 17.4 | 38.6 | 0.9 | 29.2 | | 21.2 | 50.5 | 11.9 |
| Actuated g/C Ratio | 0.03 | 0.12 | | 0.11 | 0.18 | 0.41 | 0.01 | 0.31 | | 0.22 | 0.53 | 0.13 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 58 | 210 | | 189 | 343 | 626 | 16 | 471 | | 397 | 996 | 199 |
| v/s Ratio Prot | 0.01 | c0.06 | | c0.07 | 0.04 | 0.06 | 0.01 | c0.12 | | c0.18 | 0.06 | 0.02 |
| v/s Ratio Perm | | | | | | 0.05 | | | | | | |
| v/c Ratio | 0.29 | 0.50 | | 0.65 | 0.21 | 0.27 | 0.56 | 0.40 | | 0.82 | 0.11 | 0.14 |
| Uniform Delay, d1 | 44.6 | 39.2 | | 40.4 | 32.7 | 18.5 | 46.6 | 25.7 | | 34.7 | 10.9 | 36.7 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.0 | 0.7 | | 5.6 | 0.1 | 0.2 | 24.2 | 0.8 | | 12.2 | 0.1 | 0.1 |
| Delay (s) | 45.6 | 39.9 | | 46.0 | 32.8 | 18.7 | 70.8 | 26.5 | | 47.0 | 10.9 | 36.8 |
| Level of Service | D | D | | D | C | B | E | C | | D | B | D |
| Approach Delay (s) | | 40.7 | | | 25.9 | | | 28.0 | | | 37.5 | |
| Approach LOS | | D | | | C | | | C | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 31.3 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.58 | | |
| Actuated Cycle Length (s) | 94.4 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 62.5% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 8.9 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 47 | 38 | 41 | 90 | 130 | 45 |
| Future Vol, veh/h | 47 | 38 | 41 | 90 | 130 | 45 |
| Peak Hour Factor | 0.73 | 0.73 | 0.87 | 0.87 | 0.90 | 0.90 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 64 | 52 | 47 | 103 | 144 | 50 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 8.6 | 8.6 | 9.3 |
| HCM LOS | A | A | A |

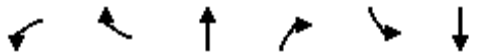
| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 74% |
| Vol Right, % | 0% | 0% | 0% | 100% | 26% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 41 | 90 | 47 | 38 | 175 |
| LT Vol | 41 | 0 | 47 | 0 | 0 |
| Through Vol | 0 | 90 | 0 | 0 | 130 |
| RT Vol | 0 | 0 | 0 | 38 | 45 |
| Lane Flow Rate | 47 | 103 | 64 | 52 | 194 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.072 | 0.144 | 0.105 | 0.067 | 0.252 |
| Departure Headway (Hd) | 5.509 | 5.006 | 5.868 | 4.662 | 4.668 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 652 | 718 | 612 | 768 | 770 |
| Service Time | 3.231 | 2.728 | 3.596 | 2.389 | 2.689 |
| HCM Lane V/C Ratio | 0.072 | 0.143 | 0.105 | 0.068 | 0.252 |
| HCM Control Delay | 8.7 | 8.6 | 9.3 | 7.7 | 9.3 |
| HCM Lane LOS | A | A | A | A | A |
| HCM 95th-tile Q | 0.2 | 0.5 | 0.4 | 0.2 | 1 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.3 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 131 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 56 | 121 |
| Future Vol, veh/h | 131 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 56 | 121 |
| Peak Hour Factor | 0.80 | 0.80 | 0.80 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.82 | 0.82 | 0.82 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 164 | 3 | 34 | 0 | 4 | 25 | 20 | 58 | 0 | 28 | 68 | 148 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 10.2 | 8.3 | 9.3 | 8.6 |
| HCM LOS | B | A | A | A |

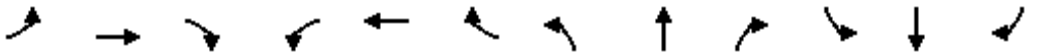
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 26% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 74% | 0% | 7% | 12% | 71% | 0% |
| Vol Right, % | 0% | 0% | 93% | 88% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 43 | 131 | 29 | 16 | 79 | 121 |
| LT Vol | 11 | 131 | 0 | 0 | 23 | 0 |
| Through Vol | 32 | 0 | 2 | 2 | 56 | 0 |
| RT Vol | 0 | 0 | 27 | 14 | 0 | 121 |
| Lane Flow Rate | 78 | 164 | 36 | 29 | 96 | 148 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.119 | 0.266 | 0.047 | 0.04 | 0.145 | 0.187 |
| Departure Headway (Hd) | 5.498 | 5.841 | 4.683 | 5.066 | 5.4 | 4.55 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 650 | 614 | 761 | 703 | 664 | 787 |
| Service Time | 3.548 | 3.591 | 2.432 | 3.127 | 3.138 | 2.287 |
| HCM Lane V/C Ratio | 0.12 | 0.267 | 0.047 | 0.041 | 0.145 | 0.188 |
| HCM Control Delay | 9.3 | 10.7 | 7.7 | 8.3 | 9.1 | 8.3 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.4 | 1.1 | 0.1 | 0.1 | 0.5 | 0.7 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 239 | 279 | 328 | 184 | 232 | 342 |
| Future Volume (vph) | 239 | 279 | 328 | 184 | 232 | 342 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.93 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1637 | 1583 | 1736 | | 1769 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.15 | 1.00 |
| Satd. Flow (perm) | 1637 | 1583 | 1736 | | 272 | 1863 |
| Peak-hour factor, PHF | 0.84 | 0.84 | 0.93 | 0.93 | 0.77 | 0.77 |
| Adj. Flow (vph) | 285 | 332 | 353 | 198 | 301 | 444 |
| RTOR Reduction (vph) | 0 | 125 | 11 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 285 | 207 | 540 | 0 | 301 | 444 |
| Confl. Peds. (#/hr) | 29 | | | 13 | 13 | |
| Confl. Bikes (#/hr) | | | | 15 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 28.9 | 28.9 | 40.4 | | 72.5 | 43.0 |
| Effective Green, g (s) | 28.9 | 28.9 | 40.4 | | 67.5 | 43.0 |
| Actuated g/C Ratio | 0.26 | 0.26 | 0.36 | | 0.60 | 0.38 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 417 | 403 | 619 | | 485 | 707 |
| v/s Ratio Prot | | | c0.31 | | c0.13 | 0.24 |
| v/s Ratio Perm | c0.17 | 0.13 | | | 0.23 | |
| v/c Ratio | 0.68 | 0.51 | 0.87 | | 0.62 | 0.63 |
| Uniform Delay, d1 | 38.1 | 36.2 | 34.0 | | 19.0 | 28.6 |
| Progression Factor | 1.00 | 1.00 | 0.24 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 4.6 | 1.1 | 8.2 | | 2.5 | 1.8 |
| Delay (s) | 42.7 | 37.3 | 16.3 | | 21.4 | 30.4 |
| Level of Service | D | D | B | | C | C |
| Approach Delay (s) | 39.8 | | 16.3 | | | 26.8 |
| Approach LOS | D | | B | | | C |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 27.9 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.79 | | |
| Actuated Cycle Length (s) | 113.3 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 67.1% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

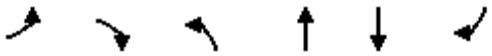
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 0 | 49 | 0 | 0 | 0 | 23 | 495 | 0 | 0 | 547 | 34 |
| Future Volume (vph) | 16 | 0 | 49 | 0 | 0 | 0 | 23 | 495 | 0 | 0 | 547 | 34 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.90 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.99 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1653 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1589 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.75 | 0.75 | 0.75 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.87 | 0.87 | 0.87 |
| Adj. Flow (vph) | 21 | 0 | 65 | 0 | 0 | 0 | 24 | 527 | 0 | 0 | 629 | 39 |
| RTOR Reduction (vph) | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 13 | 0 | 0 | 0 | 0 | 24 | 527 | 0 | 0 | 629 | 39 |
| Confl. Peds. (#/hr) | | | | | | | | | 57 | 57 | | 4 |
| Confl. Bikes (#/hr) | | | | | | | | | 87 | | | 125 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 17.4 | | | | | 4.5 | 40.4 | | | 77.4 | 99.8 |
| Effective Green, g (s) | | 17.4 | | | | | 4.5 | 40.4 | | | 77.4 | 94.8 |
| Actuated g/C Ratio | | 0.15 | | | | | 0.04 | 0.36 | | | 0.68 | 0.84 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 244 | | | | | 70 | 664 | | | 1272 | 1324 |
| v/s Ratio Prot | | | | | | | c0.01 | c0.28 | | | c0.34 | 0.02 |
| v/s Ratio Perm | | c0.01 | | | | | | | | | | |
| v/c Ratio | | 0.05 | | | | | 0.34 | 0.79 | | | 0.49 | 0.03 |
| Uniform Delay, d1 | | 40.9 | | | | | 53.0 | 32.7 | | | 8.6 | 1.5 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.15 | 0.00 |
| Incremental Delay, d2 | | 0.1 | | | | | 1.1 | 6.5 | | | 0.2 | 0.0 |
| Delay (s) | | 41.0 | | | | | 54.0 | 39.2 | | | 1.5 | 0.0 |
| Level of Service | | D | | | | | D | D | | | A | A |
| Approach Delay (s) | | 41.0 | | | 0.0 | | | 39.8 | | | 1.4 | |
| Approach LOS | | D | | | A | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 20.3 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.56 | | |
| Actuated Cycle Length (s) | 113.3 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.4% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

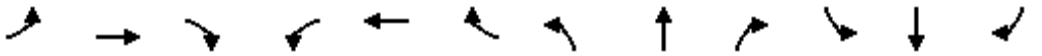
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 187 | 171 | 131 | 317 | 383 | 212 |
| Future Volume (vph) | 187 | 171 | 131 | 317 | 383 | 212 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.94 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1493 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1493 |
| Peak-hour factor, PHF | 0.89 | 0.89 | 0.94 | 0.94 | 0.96 | 0.96 |
| Adj. Flow (vph) | 210 | 192 | 139 | 337 | 399 | 221 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 210 | 192 | 139 | 337 | 399 | 221 |
| Confl. Peds. (#/hr) | | 2 | | | | 55 |
| Confl. Bikes (#/hr) | | | | | | 111 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 14.0 | 14.0 | 8.0 | 43.7 | 31.2 | 45.2 |
| Effective Green, g (s) | 14.0 | 14.0 | 8.0 | 43.7 | 31.2 | 45.2 |
| Actuated g/C Ratio | 0.21 | 0.21 | 0.12 | 0.65 | 0.46 | 0.67 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 368 | 322 | 210 | 1211 | 864 | 1004 |
| v/s Ratio Prot | | | c0.08 | 0.18 | c0.21 | 0.05 |
| v/s Ratio Perm | 0.12 | c0.12 | | | | 0.10 |
| v/c Ratio | 0.57 | 0.60 | 0.66 | 0.28 | 0.46 | 0.22 |
| Uniform Delay, d1 | 23.9 | 24.0 | 28.3 | 5.0 | 12.3 | 4.2 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.1 | 3.0 | 5.9 | 0.1 | 0.4 | 0.0 |
| Delay (s) | 26.0 | 27.0 | 34.2 | 5.1 | 12.7 | 4.3 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 26.5 | | | 13.6 | 9.7 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.4 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.53 | | |
| Actuated Cycle Length (s) | 67.2 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 54.8% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 50 | 103 | 7 | 209 | 85 | 517 | 5 | 99 | 115 | 382 | 139 | 61 |
| Future Volume (vph) | 50 | 103 | 7 | 209 | 85 | 517 | 5 | 99 | 115 | 382 | 139 | 61 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.92 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1836 | | 1770 | 1863 | 1507 | 1770 | 1622 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1836 | | 1770 | 1863 | 1507 | 1770 | 1622 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.77 | 0.99 | 0.99 | 0.99 | 0.78 | 0.78 | 0.78 | 0.84 | 0.84 | 0.84 |
| Adj. Flow (vph) | 65 | 134 | 9 | 211 | 86 | 522 | 6 | 127 | 147 | 455 | 165 | 73 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 251 | 0 | 34 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 65 | 143 | 0 | 211 | 86 | 271 | 6 | 240 | 0 | 455 | 165 | 73 |
| Confl. Peds. (#/hr) | | | 23 | | | 38 | | | 27 | | | 85 |
| Confl. Bikes (#/hr) | | | | | | | | | 67 | | | 98 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 6.5 | 14.6 | | 15.2 | 22.8 | 53.3 | 1.0 | 30.3 | | 30.5 | 60.8 | 16.5 |
| Effective Green, g (s) | 6.5 | 14.6 | | 15.2 | 22.8 | 53.3 | 1.0 | 30.3 | | 30.5 | 60.8 | 16.5 |
| Actuated g/C Ratio | 0.06 | 0.13 | | 0.13 | 0.20 | 0.47 | 0.01 | 0.27 | | 0.27 | 0.54 | 0.15 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 101 | 235 | | 236 | 373 | 707 | 15 | 432 | | 475 | 997 | 229 |
| v/s Ratio Prot | 0.04 | c0.08 | | c0.12 | 0.05 | 0.10 | 0.00 | c0.15 | | c0.26 | 0.09 | 0.05 |
| v/s Ratio Perm | | | | | | 0.08 | | | | | | |
| v/c Ratio | 0.64 | 0.61 | | 0.89 | 0.23 | 0.38 | 0.40 | 0.55 | | 0.96 | 0.17 | 0.32 |
| Uniform Delay, d1 | 52.4 | 46.8 | | 48.4 | 38.0 | 19.5 | 56.0 | 35.8 | | 40.9 | 13.5 | 43.5 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 10.1 | 3.0 | | 31.2 | 0.1 | 0.3 | 6.3 | 1.9 | | 30.4 | 0.1 | 0.3 |
| Delay (s) | 62.5 | 49.8 | | 79.6 | 38.2 | 19.9 | 62.3 | 37.7 | | 71.4 | 13.6 | 43.8 |
| Level of Service | E | D | | E | D | B | E | D | | E | B | D |
| Approach Delay (s) | | 53.8 | | | 37.2 | | | 38.3 | | | 54.7 | |
| Approach LOS | | D | | | D | | | D | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 45.1 | HCM 2000 Level of Service | D |
| HCM 2000 Volume to Capacity ratio | 0.76 | | |
| Actuated Cycle Length (s) | 113.6 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 70.5% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.8 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 56 | 31 | 63 | 185 | 176 | 38 |
| Future Vol, veh/h | 56 | 31 | 63 | 185 | 176 | 38 |
| Peak Hour Factor | 0.86 | 0.86 | 0.82 | 0.82 | 0.93 | 0.93 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 65 | 36 | 77 | 226 | 189 | 41 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 9.3 | 9.8 | 10.1 |
| HCM LOS | A | A | B |

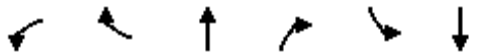
| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 82% |
| Vol Right, % | 0% | 0% | 0% | 100% | 18% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 63 | 185 | 56 | 31 | 214 |
| LT Vol | 63 | 0 | 56 | 0 | 0 |
| Through Vol | 0 | 185 | 0 | 0 | 176 |
| RT Vol | 0 | 0 | 0 | 31 | 38 |
| Lane Flow Rate | 77 | 226 | 65 | 36 | 230 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.118 | 0.315 | 0.114 | 0.051 | 0.311 |
| Departure Headway (Hd) | 5.523 | 5.021 | 6.3 | 5.089 | 4.861 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 649 | 715 | 568 | 701 | 739 |
| Service Time | 3.257 | 2.754 | 4.052 | 2.841 | 2.895 |
| HCM Lane V/C Ratio | 0.119 | 0.316 | 0.114 | 0.051 | 0.311 |
| HCM Control Delay | 9 | 10.1 | 9.9 | 8.1 | 10.1 |
| HCM Lane LOS | A | B | A | A | B |
| HCM 95th-tile Q | 0.4 | 1.3 | 0.4 | 0.2 | 1.3 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 169 | 2 | 38 | 0 | 2 | 7 | 14 | 72 | 0 | 13 | 32 | 229 |
| Future Vol, veh/h | 169 | 2 | 38 | 0 | 2 | 7 | 14 | 72 | 0 | 13 | 32 | 229 |
| Peak Hour Factor | 0.91 | 0.91 | 0.91 | 0.42 | 0.42 | 0.42 | 0.92 | 0.92 | 0.92 | 0.86 | 0.86 | 0.86 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 186 | 2 | 42 | 0 | 5 | 17 | 15 | 78 | 0 | 15 | 37 | 266 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 10.8 | 8.7 | 9.7 | 9.6 |
| HCM LOS | B | A | A | A |

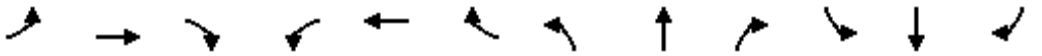
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 16% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 84% | 0% | 5% | 22% | 71% | 0% |
| Vol Right, % | 0% | 0% | 95% | 78% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 86 | 169 | 40 | 9 | 45 | 229 |
| LT Vol | 14 | 169 | 0 | 0 | 13 | 0 |
| Through Vol | 72 | 0 | 2 | 2 | 32 | 0 |
| RT Vol | 0 | 0 | 38 | 7 | 0 | 229 |
| Lane Flow Rate | 93 | 186 | 44 | 21 | 52 | 266 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.147 | 0.311 | 0.059 | 0.032 | 0.08 | 0.344 |
| Departure Headway (Hd) | 5.646 | 6.032 | 4.858 | 5.391 | 5.504 | 4.654 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 632 | 592 | 731 | 657 | 649 | 770 |
| Service Time | 3.713 | 3.806 | 2.632 | 3.486 | 3.252 | 2.402 |
| HCM Lane V/C Ratio | 0.147 | 0.314 | 0.06 | 0.032 | 0.08 | 0.345 |
| HCM Control Delay | 9.7 | 11.5 | 7.9 | 8.7 | 8.7 | 9.8 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.5 | 1.3 | 0.2 | 0.1 | 0.3 | 1.5 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 162 | 186 | 157 | 75 | 127 | 82 |
| Future Volume (vph) | 162 | 186 | 157 | 75 | 127 | 82 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.90 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.96 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1597 | 1583 | 1742 | | 1762 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.47 | 1.00 |
| Satd. Flow (perm) | 1597 | 1583 | 1742 | | 880 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.86 | 0.86 | 0.74 | 0.74 |
| Adj. Flow (vph) | 180 | 207 | 183 | 87 | 172 | 111 |
| RTOR Reduction (vph) | 0 | 133 | 8 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 180 | 74 | 262 | 0 | 172 | 111 |
| Confl. Peds. (#/hr) | 47 | | | 11 | 11 | |
| Confl. Bikes (#/hr) | | | | 37 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 18.2 | 18.2 | 36.8 | | 62.8 | 42.6 |
| Effective Green, g (s) | 18.2 | 18.2 | 36.8 | | 57.8 | 42.6 |
| Actuated g/C Ratio | 0.20 | 0.20 | 0.40 | | 0.63 | 0.47 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 317 | 314 | 700 | | 719 | 867 |
| v/s Ratio Prot | | | c0.15 | | c0.04 | 0.06 |
| v/s Ratio Perm | c0.11 | 0.05 | | | 0.11 | |
| v/c Ratio | 0.57 | 0.24 | 0.37 | | 0.24 | 0.13 |
| Uniform Delay, d1 | 33.1 | 30.8 | 19.2 | | 7.3 | 13.9 |
| Progression Factor | 1.00 | 1.00 | 0.15 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.3 | 0.4 | 0.3 | | 0.2 | 0.1 |
| Delay (s) | 35.4 | 31.2 | 3.2 | | 7.5 | 14.0 |
| Level of Service | D | C | A | | A | B |
| Approach Delay (s) | 33.2 | | 3.2 | | | 10.0 |
| Approach LOS | C | | A | | | B |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 17.6 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.42 | | |
| Actuated Cycle Length (s) | 91.5 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 55.6% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

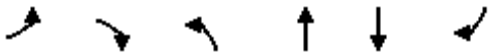
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 226 | 0 | 0 | 219 | 20 |
| Future Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 226 | 0 | 0 | 219 | 20 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.93 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.98 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1672 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1628 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.50 | 0.50 | 0.50 | 0.92 | 0.92 | 0.92 | 0.79 | 0.79 | 0.79 | 0.82 | 0.82 | 0.82 |
| Adj. Flow (vph) | 10 | 0 | 10 | 0 | 0 | 0 | 5 | 286 | 0 | 0 | 267 | 24 |
| RTOR Reduction (vph) | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 286 | 0 | 0 | 267 | 24 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 18 | 18 | | 149 |
| Confl. Bikes (#/hr) | | | | | | | | | 125 | | | 143 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 9.9 | | | | | 1.3 | 36.8 | | | 66.3 | 81.2 |
| Effective Green, g (s) | | 9.9 | | | | | 1.3 | 36.8 | | | 66.3 | 76.2 |
| Actuated g/C Ratio | | 0.11 | | | | | 0.01 | 0.40 | | | 0.72 | 0.83 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 176 | | | | | 25 | 749 | | | 1349 | 1318 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.15 | | | c0.14 | c0.02 |
| v/s Ratio Perm | | 0.00 | | | | | | | | | | |
| v/c Ratio | | 0.01 | | | | | 0.20 | 0.38 | | | 0.20 | 0.02 |
| Uniform Delay, d1 | | 36.4 | | | | | 44.6 | 19.3 | | | 4.1 | 1.3 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.20 | 0.00 |
| Incremental Delay, d2 | | 0.0 | | | | | 1.4 | 0.3 | | | 0.1 | 0.0 |
| Delay (s) | | 36.5 | | | | | 46.0 | 19.6 | | | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | B | | | A | A |
| Approach Delay (s) | | 36.5 | | | 0.0 | | | 20.1 | | | 0.8 | |
| Approach LOS | | D | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 11.3 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.29 | | |
| Actuated Cycle Length (s) | 91.5 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

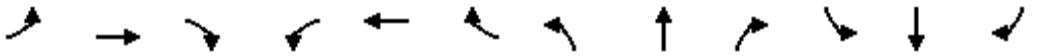
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 77 | 75 | 82 | 159 | 104 | 116 |
| Future Volume (vph) | 77 | 75 | 82 | 159 | 104 | 116 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 |
| Flpb, ped/bikes | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.79 | 0.79 | 0.80 | 0.80 |
| Adj. Flow (vph) | 100 | 97 | 104 | 201 | 130 | 145 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 100 | 97 | 104 | 201 | 130 | 145 |
| Confl. Peds. (#/hr) | 8 | | | | | 132 |
| Confl. Bikes (#/hr) | | | | | | 130 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 9.0 | 9.0 | 6.9 | 45.2 | 33.8 | 42.8 |
| Effective Green, g (s) | 9.0 | 9.0 | 6.9 | 45.2 | 33.8 | 42.8 |
| Actuated g/C Ratio | 0.14 | 0.14 | 0.11 | 0.71 | 0.53 | 0.67 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 247 | 223 | 191 | 1321 | 988 | 953 |
| v/s Ratio Prot | | | c0.06 | c0.11 | 0.07 | 0.02 |
| v/s Ratio Perm | 0.06 | c0.06 | | | | 0.08 |
| v/c Ratio | 0.40 | 0.43 | 0.54 | 0.15 | 0.13 | 0.15 |
| Uniform Delay, d1 | 24.9 | 25.0 | 26.9 | 3.0 | 7.5 | 3.8 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.1 | 1.4 | 1.7 | 0.1 | 0.1 | 0.0 |
| Delay (s) | 26.0 | 26.4 | 28.6 | 3.1 | 7.6 | 3.8 |
| Level of Service | C | C | C | A | A | A |
| Approach Delay (s) | 26.2 | | | 11.8 | 5.6 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 13.3 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.26 | | |
| Actuated Cycle Length (s) | 63.7 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 39.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 9 | 53 | 4 | 48 | 96 | 237 | 5 | 25 | 44 | 116 | 48 | 16 |
| Future Volume (vph) | 9 | 53 | 4 | 48 | 96 | 237 | 5 | 25 | 44 | 116 | 48 | 16 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 0.98 | 1.00 | 0.92 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1836 | | 1770 | 1863 | 1544 | 1770 | 1552 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1836 | | 1770 | 1863 | 1544 | 1770 | 1552 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.69 | 0.69 | 0.69 | 0.77 | 0.77 | 0.77 | 0.73 | 0.73 | 0.73 | 0.71 | 0.71 | 0.71 |
| Adj. Flow (vph) | 13 | 77 | 6 | 62 | 125 | 308 | 7 | 34 | 60 | 163 | 68 | 23 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 179 | 0 | 47 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 13 | 83 | 0 | 62 | 125 | 129 | 7 | 47 | 0 | 163 | 68 | 23 |
| Confl. Peds. (#/hr) | | | 19 | | | 35 | | | 27 | | | 136 |
| Confl. Bikes (#/hr) | | | | | | | | | 93 | | | 115 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 2.5 | 9.0 | | 4.1 | 10.1 | 30.6 | 0.7 | 16.4 | | 20.5 | 37.2 | 7.1 |
| Effective Green, g (s) | 2.5 | 9.0 | | 4.1 | 10.1 | 30.6 | 0.7 | 16.4 | | 20.5 | 37.2 | 7.1 |
| Actuated g/C Ratio | 0.03 | 0.12 | | 0.06 | 0.14 | 0.42 | 0.01 | 0.22 | | 0.28 | 0.51 | 0.10 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 60 | 226 | | 99 | 257 | 647 | 16 | 348 | | 497 | 949 | 153 |
| v/s Ratio Prot | 0.01 | 0.05 | | c0.04 | c0.07 | 0.06 | 0.00 | c0.03 | | c0.09 | 0.04 | c0.01 |
| v/s Ratio Perm | | | | | | 0.03 | | | | | | |
| v/c Ratio | 0.22 | 0.37 | | 0.63 | 0.49 | 0.20 | 0.44 | 0.14 | | 0.33 | 0.07 | 0.15 |
| Uniform Delay, d1 | 34.3 | 29.4 | | 33.7 | 29.1 | 13.4 | 36.0 | 22.6 | | 20.8 | 9.1 | 30.2 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.7 | 0.4 | | 8.6 | 0.5 | 0.2 | 6.8 | 0.2 | | 0.4 | 0.0 | 0.2 |
| Delay (s) | 35.0 | 29.8 | | 42.3 | 29.6 | 13.6 | 42.8 | 22.9 | | 21.2 | 9.2 | 30.4 |
| Level of Service | C | C | | D | C | B | D | C | | C | A | C |
| Approach Delay (s) | | 30.5 | | | 21.2 | | | 24.3 | | | 18.8 | |
| Approach LOS | | C | | | C | | | C | | | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.8 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.33 | | |
| Actuated Cycle Length (s) | 73.0 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 49.7% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.9 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 9 | 7 | 13 | 51 | 50 | 16 |
| Future Vol, veh/h | 9 | 7 | 13 | 51 | 50 | 16 |
| Peak Hour Factor | 0.75 | 0.75 | 0.88 | 0.88 | 0.60 | 0.60 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 12 | 9 | 15 | 58 | 83 | 27 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 7.7 | 7.8 | 8 |
| HCM LOS | A | A | A |

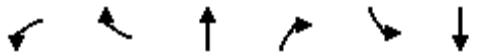
| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 76% |
| Vol Right, % | 0% | 0% | 0% | 100% | 24% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 13 | 51 | 9 | 7 | 66 |
| LT Vol | 13 | 0 | 9 | 0 | 0 |
| Through Vol | 0 | 51 | 0 | 0 | 50 |
| RT Vol | 0 | 0 | 0 | 7 | 16 |
| Lane Flow Rate | 15 | 58 | 12 | 9 | 110 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.021 | 0.074 | 0.018 | 0.011 | 0.131 |
| Departure Headway (Hd) | 5.126 | 4.625 | 5.463 | 4.26 | 4.279 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 697 | 773 | 659 | 845 | 835 |
| Service Time | 2.865 | 2.364 | 3.163 | 1.96 | 2.323 |
| HCM Lane V/C Ratio | 0.022 | 0.075 | 0.018 | 0.011 | 0.132 |
| HCM Control Delay | 8 | 7.7 | 8.3 | 7 | 8 |
| HCM Lane LOS | A | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.2 | 0.1 | 0 | 0.5 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.9 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 50 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 62 |
| Future Vol, veh/h | 50 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 62 |
| Peak Hour Factor | 0.69 | 0.69 | 0.69 | 0.75 | 0.75 | 0.75 | 0.56 | 0.56 | 0.56 | 0.77 | 0.77 | 0.77 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 72 | 3 | 13 | 0 | 0 | 7 | 13 | 16 | 0 | 3 | 26 | 81 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 8.4 | 7.4 | 8.2 | 7.4 |
| HCM LOS | A | A | A | A |

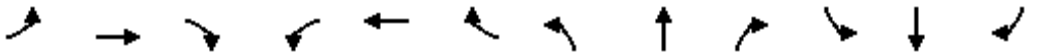
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 44% | 100% | 0% | 0% | 9% | 0% |
| Vol Thru, % | 56% | 0% | 18% | 0% | 91% | 0% |
| Vol Right, % | 0% | 0% | 82% | 100% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 16 | 50 | 11 | 5 | 22 | 62 |
| LT Vol | 7 | 50 | 0 | 0 | 2 | 0 |
| Through Vol | 9 | 0 | 2 | 0 | 20 | 0 |
| RT Vol | 0 | 0 | 9 | 5 | 0 | 62 |
| Lane Flow Rate | 29 | 72 | 16 | 7 | 29 | 81 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.04 | 0.106 | 0.019 | 0.008 | 0.039 | 0.092 |
| Departure Headway (Hd) | 4.988 | 5.272 | 4.197 | 4.36 | 4.86 | 4.113 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 722 | 672 | 839 | 824 | 741 | 877 |
| Service Time | 2.99 | 3.065 | 1.99 | 2.368 | 2.56 | 1.813 |
| HCM Lane V/C Ratio | 0.04 | 0.107 | 0.019 | 0.008 | 0.039 | 0.092 |
| HCM Control Delay | 8.2 | 8.7 | 7.1 | 7.4 | 7.8 | 7.2 |
| HCM Lane LOS | A | A | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.4 | 0.1 | 0 | 0.1 | 0.3 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 189 | 277 | 296 | 162 | 241 | 286 |
| Future Volume (vph) | 189 | 277 | 296 | 162 | 241 | 286 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.96 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1690 | 1583 | 1730 | | 1767 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.22 | 1.00 |
| Satd. Flow (perm) | 1690 | 1583 | 1730 | | 407 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 |
| Adj. Flow (vph) | 210 | 308 | 329 | 180 | 284 | 336 |
| RTOR Reduction (vph) | 0 | 166 | 10 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 210 | 142 | 499 | 0 | 284 | 336 |
| Confl. Peds. (#/hr) | 19 | | | 16 | 16 | |
| Confl. Bikes (#/hr) | | | | 26 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 22.8 | 22.8 | 40.0 | | 70.8 | 45.8 |
| Effective Green, g (s) | 22.8 | 22.8 | 40.0 | | 65.8 | 45.8 |
| Actuated g/C Ratio | 0.22 | 0.22 | 0.38 | | 0.63 | 0.44 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 370 | 346 | 664 | | 542 | 819 |
| v/s Ratio Prot | | | c0.29 | | c0.11 | 0.18 |
| v/s Ratio Perm | c0.12 | 0.09 | | | 0.22 | |
| v/c Ratio | 0.57 | 0.41 | 0.75 | | 0.52 | 0.41 |
| Uniform Delay, d1 | 36.3 | 34.9 | 27.8 | | 12.4 | 19.9 |
| Progression Factor | 1.00 | 1.00 | 0.27 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.0 | 0.8 | 3.4 | | 0.9 | 0.3 |
| Delay (s) | 38.3 | 35.7 | 10.8 | | 13.3 | 20.3 |
| Level of Service | D | D | B | | B | C |
| Approach Delay (s) | 36.7 | | 10.8 | | | 17.1 |
| Approach LOS | D | | B | | | B |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.3 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.69 | | |
| Actuated Cycle Length (s) | 104.1 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 63.4% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

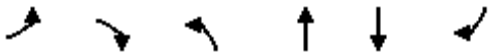
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 448 | 0 | 4 | 455 | 18 |
| Future Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 448 | 0 | 4 | 455 | 18 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | 5.5 | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | 0.99 | 1.00 | 1.00 |
| Frt | | 0.94 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | | 0.97 | | | | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1683 | | | | | 1770 | 1863 | | 1753 | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | 0.32 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1644 | | | | | 1770 | 1863 | | 590 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.64 | 0.64 | 0.64 | 0.92 | 0.92 | 0.92 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 | 0.85 |
| Adj. Flow (vph) | 28 | 0 | 22 | 0 | 0 | 0 | 6 | 498 | 0 | 5 | 535 | 21 |
| RTOR Reduction (vph) | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 498 | 0 | 5 | 535 | 21 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 19 | 19 | | 119 |
| Confl. Bikes (#/hr) | | | | | | | | | 193 | | | 207 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 14.7 | | | | | 1.3 | 40.0 | | 74.1 | 74.1 | 93.8 |
| Effective Green, g (s) | | 14.7 | | | | | 1.3 | 40.0 | | 74.1 | 74.1 | 88.8 |
| Actuated g/C Ratio | | 0.14 | | | | | 0.01 | 0.38 | | 0.71 | 0.71 | 0.85 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 232 | | | | | 22 | 715 | | 419 | 1326 | 1350 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.27 | | | c0.29 | 0.01 |
| v/s Ratio Perm | | c0.00 | | | | | | | | 0.01 | | |
| v/c Ratio | | 0.03 | | | | | 0.27 | 0.70 | | 0.01 | 0.40 | 0.02 |
| Uniform Delay, d1 | | 38.6 | | | | | 50.9 | 26.9 | | 4.4 | 6.1 | 1.1 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | 0.16 | 0.11 | 0.01 |
| Incremental Delay, d2 | | 0.1 | | | | | 2.4 | 3.0 | | 0.0 | 0.2 | 0.0 |
| Delay (s) | | 38.6 | | | | | 53.4 | 29.9 | | 0.7 | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | C | | A | A | A |
| Approach Delay (s) | | 38.6 | | | 0.0 | | | 30.2 | | | 0.8 | |
| Approach LOS | | D | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.8 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.50 | | |
| Actuated Cycle Length (s) | 104.1 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

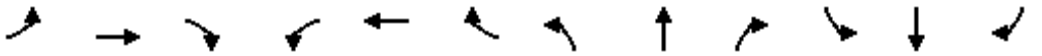
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 157 | 125 | 151 | 262 | 278 | 221 |
| Future Volume (vph) | 157 | 125 | 151 | 262 | 278 | 221 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.89 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Peak-hour factor, PHF | 0.86 | 0.86 | 0.85 | 0.85 | 0.86 | 0.86 |
| Adj. Flow (vph) | 183 | 145 | 178 | 308 | 323 | 257 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 183 | 145 | 178 | 308 | 323 | 257 |
| Confl. Peds. (#/hr) | | 2 | | | | 145 |
| Confl. Bikes (#/hr) | | | | | | 156 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 13.1 | 13.1 | 11.2 | 46.2 | 30.5 | 43.6 |
| Effective Green, g (s) | 13.1 | 13.1 | 11.2 | 46.2 | 30.5 | 43.6 |
| Actuated g/C Ratio | 0.19 | 0.19 | 0.16 | 0.67 | 0.44 | 0.63 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 337 | 294 | 288 | 1251 | 825 | 894 |
| v/s Ratio Prot | | | c0.10 | 0.17 | c0.17 | 0.05 |
| v/s Ratio Perm | c0.10 | 0.09 | | | | 0.13 |
| v/c Ratio | 0.54 | 0.49 | 0.62 | 0.25 | 0.39 | 0.29 |
| Uniform Delay, d1 | 25.1 | 24.9 | 26.8 | 4.4 | 12.9 | 5.6 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.8 | 1.3 | 2.8 | 0.1 | 0.3 | 0.1 |
| Delay (s) | 26.9 | 26.2 | 29.6 | 4.6 | 13.2 | 5.7 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 26.6 | | | 13.7 | 9.9 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.2 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.47 | | |
| Actuated Cycle Length (s) | 68.8 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 54.4% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 89 | 9 | 114 | 68 | 384 | 7 | 64 | 137 | 295 | 104 | 25 |
| Future Volume (vph) | 16 | 89 | 9 | 114 | 68 | 384 | 7 | 64 | 137 | 295 | 104 | 25 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.97 | 1.00 | 0.91 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1821 | | 1770 | 1863 | 1531 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1821 | | 1770 | 1863 | 1531 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.77 | 0.77 | 0.77 | 0.90 | 0.90 | 0.90 |
| Adj. Flow (vph) | 17 | 96 | 10 | 123 | 73 | 413 | 9 | 83 | 178 | 328 | 116 | 28 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 244 | 0 | 67 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 17 | 106 | 0 | 123 | 73 | 169 | 9 | 194 | 0 | 328 | 116 | 28 |
| Confl. Peds. (#/hr) | | | 30 | | | 26 | | | 23 | | | 137 |
| Confl. Bikes (#/hr) | | | | | | 1 | | | 136 | | | 187 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 3.1 | 11.0 | | 10.1 | 17.5 | 38.7 | 0.9 | 29.2 | | 21.2 | 50.5 | 11.9 |
| Effective Green, g (s) | 3.1 | 11.0 | | 10.1 | 17.5 | 38.7 | 0.9 | 29.2 | | 21.2 | 50.5 | 11.9 |
| Actuated g/C Ratio | 0.03 | 0.12 | | 0.11 | 0.19 | 0.41 | 0.01 | 0.31 | | 0.22 | 0.53 | 0.13 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 58 | 211 | | 189 | 345 | 626 | 16 | 470 | | 397 | 995 | 199 |
| v/s Ratio Prot | 0.01 | c0.06 | | c0.07 | 0.04 | 0.06 | 0.01 | c0.13 | | c0.19 | 0.06 | 0.02 |
| v/s Ratio Perm | | | | | | 0.05 | | | | | | |
| v/c Ratio | 0.29 | 0.50 | | 0.65 | 0.21 | 0.27 | 0.56 | 0.41 | | 0.83 | 0.12 | 0.14 |
| Uniform Delay, d1 | 44.6 | 39.2 | | 40.5 | 32.6 | 18.5 | 46.6 | 25.9 | | 34.9 | 10.9 | 36.8 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.0 | 0.7 | | 6.0 | 0.1 | 0.2 | 24.2 | 0.8 | | 13.1 | 0.1 | 0.1 |
| Delay (s) | 45.7 | 39.9 | | 46.5 | 32.8 | 18.8 | 70.8 | 26.7 | | 48.0 | 11.0 | 36.9 |
| Level of Service | D | D | | D | C | B | E | C | | D | B | D |
| Approach Delay (s) | | 40.7 | | | 26.0 | | | 28.1 | | | 38.3 | |
| Approach LOS | | D | | | C | | | C | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 31.6 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.59 | | |
| Actuated Cycle Length (s) | 94.5 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 62.8% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 8.9 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 48 | 38 | 41 | 91 | 132 | 46 |
| Future Vol, veh/h | 48 | 38 | 41 | 91 | 132 | 46 |
| Peak Hour Factor | 0.73 | 0.73 | 0.87 | 0.87 | 0.90 | 0.90 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 66 | 52 | 47 | 105 | 147 | 51 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 8.6 | 8.6 | 9.3 |
| HCM LOS | A | A | A |

| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 74% |
| Vol Right, % | 0% | 0% | 0% | 100% | 26% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 41 | 91 | 48 | 38 | 178 |
| LT Vol | 41 | 0 | 48 | 0 | 0 |
| Through Vol | 0 | 91 | 0 | 0 | 132 |
| RT Vol | 0 | 0 | 0 | 38 | 46 |
| Lane Flow Rate | 47 | 105 | 66 | 52 | 198 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.072 | 0.146 | 0.107 | 0.068 | 0.257 |
| Departure Headway (Hd) | 5.517 | 5.015 | 5.879 | 4.672 | 4.674 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 650 | 716 | 610 | 766 | 769 |
| Service Time | 3.24 | 2.738 | 3.609 | 2.402 | 2.695 |
| HCM Lane V/C Ratio | 0.072 | 0.147 | 0.108 | 0.068 | 0.257 |
| HCM Control Delay | 8.7 | 8.6 | 9.3 | 7.7 | 9.3 |
| HCM Lane LOS | A | A | A | A | A |
| HCM 95th-tile Q | 0.2 | 0.5 | 0.4 | 0.2 | 1 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.3 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 133 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 57 | 122 |
| Future Vol, veh/h | 133 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 57 | 122 |
| Peak Hour Factor | 0.80 | 0.80 | 0.80 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.82 | 0.82 | 0.82 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 166 | 3 | 34 | 0 | 4 | 25 | 20 | 58 | 0 | 28 | 70 | 149 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

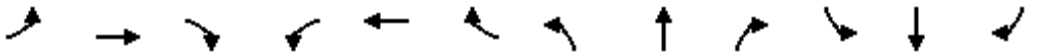
| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 10.2 | 8.4 | 9.3 | 8.7 |
| HCM LOS | B | A | A | A |

| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 26% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 74% | 0% | 7% | 12% | 71% | 0% |
| Vol Right, % | 0% | 0% | 93% | 88% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 43 | 133 | 29 | 16 | 80 | 122 |
| LT Vol | 11 | 133 | 0 | 0 | 23 | 0 |
| Through Vol | 32 | 0 | 2 | 2 | 57 | 0 |
| RT Vol | 0 | 0 | 27 | 14 | 0 | 122 |
| Lane Flow Rate | 78 | 166 | 36 | 29 | 98 | 149 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.12 | 0.27 | 0.047 | 0.04 | 0.147 | 0.188 |
| Departure Headway (Hd) | 5.509 | 5.847 | 4.688 | 5.075 | 5.406 | 4.558 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 649 | 613 | 760 | 701 | 662 | 786 |
| Service Time | 3.558 | 3.598 | 2.439 | 3.138 | 3.145 | 2.296 |
| HCM Lane V/C Ratio | 0.12 | 0.271 | 0.047 | 0.041 | 0.148 | 0.19 |
| HCM Control Delay | 9.3 | 10.8 | 7.7 | 8.4 | 9.1 | 8.4 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.4 | 1.1 | 0.1 | 0.1 | 0.5 | 0.7 |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 242 | 282 | 332 | 186 | 235 | 346 |
| Future Volume (vph) | 242 | 282 | 332 | 186 | 235 | 346 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.92 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1637 | 1583 | 1736 | | 1769 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.14 | 1.00 |
| Satd. Flow (perm) | 1637 | 1583 | 1736 | | 257 | 1863 |
| Peak-hour factor, PHF | 0.84 | 0.84 | 0.93 | 0.93 | 0.77 | 0.77 |
| Adj. Flow (vph) | 288 | 336 | 357 | 200 | 305 | 449 |
| RTOR Reduction (vph) | 0 | 126 | 11 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 288 | 210 | 546 | 0 | 305 | 449 |
| Confl. Peds. (#/hr) | 29 | | | 13 | 13 | |
| Confl. Bikes (#/hr) | | | | 15 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 29.0 | 29.0 | 40.4 | | 72.9 | 43.0 |
| Effective Green, g (s) | 29.0 | 29.0 | 40.4 | | 67.9 | 43.0 |
| Actuated g/C Ratio | 0.25 | 0.25 | 0.36 | | 0.60 | 0.38 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 417 | 403 | 616 | | 484 | 703 |
| v/s Ratio Prot | | | c0.31 | | c0.14 | 0.24 |
| v/s Ratio Perm | c0.18 | 0.13 | | | 0.24 | |
| v/c Ratio | 0.69 | 0.52 | 0.89 | | 0.63 | 0.64 |
| Uniform Delay, d1 | 38.3 | 36.4 | 34.5 | | 20.6 | 29.0 |
| Progression Factor | 1.00 | 1.00 | 0.24 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 4.9 | 1.2 | 9.0 | | 2.7 | 1.9 |
| Delay (s) | 43.2 | 37.7 | 17.2 | | 23.3 | 30.9 |
| Level of Service | D | D | B | | C | C |
| Approach Delay (s) | 40.2 | | 17.2 | | | 27.8 |
| Approach LOS | D | | B | | | C |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 28.8 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.80 | | |
| Actuated Cycle Length (s) | 113.8 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 67.8% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

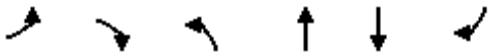
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 0 | 50 | 0 | 0 | 0 | 23 | 501 | 0 | 0 | 553 | 34 |
| Future Volume (vph) | 16 | 0 | 50 | 0 | 0 | 0 | 23 | 501 | 0 | 0 | 553 | 34 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.90 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.99 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1652 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1588 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.75 | 0.75 | 0.75 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.87 | 0.87 | 0.87 |
| Adj. Flow (vph) | 21 | 0 | 67 | 0 | 0 | 0 | 24 | 533 | 0 | 0 | 636 | 39 |
| RTOR Reduction (vph) | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 14 | 0 | 0 | 0 | 0 | 24 | 533 | 0 | 0 | 636 | 39 |
| Confl. Peds. (#/hr) | | | | | | | | | 57 | 57 | | 4 |
| Confl. Bikes (#/hr) | | | | | | | | | 87 | | | 125 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 17.8 | | | | | 4.5 | 40.4 | | | 77.5 | 100.3 |
| Effective Green, g (s) | | 17.8 | | | | | 4.5 | 40.4 | | | 77.5 | 95.3 |
| Actuated g/C Ratio | | 0.16 | | | | | 0.04 | 0.36 | | | 0.68 | 0.84 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 248 | | | | | 69 | 661 | | | 1268 | 1325 |
| v/s Ratio Prot | | | | | | | c0.01 | c0.29 | | | c0.34 | 0.02 |
| v/s Ratio Perm | | c0.01 | | | | | | | | | | |
| v/c Ratio | | 0.06 | | | | | 0.35 | 0.81 | | | 0.50 | 0.03 |
| Uniform Delay, d1 | | 40.8 | | | | | 53.2 | 33.2 | | | 8.8 | 1.5 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.15 | 0.00 |
| Incremental Delay, d2 | | 0.1 | | | | | 1.1 | 7.1 | | | 0.2 | 0.0 |
| Delay (s) | | 40.9 | | | | | 54.3 | 40.3 | | | 1.6 | 0.0 |
| Level of Service | | D | | | | | D | D | | | A | A |
| Approach Delay (s) | | 40.9 | | | 0.0 | | | 40.9 | | | 1.5 | |
| Approach LOS | | D | | | A | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 20.7 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.57 | | |
| Actuated Cycle Length (s) | 113.8 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.7% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

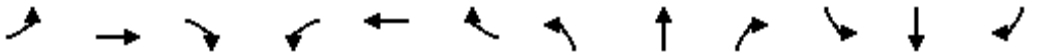
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 189 | 173 | 133 | 321 | 387 | 214 |
| Future Volume (vph) | 189 | 173 | 133 | 321 | 387 | 214 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.94 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1491 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1491 |
| Peak-hour factor, PHF | 0.89 | 0.89 | 0.94 | 0.94 | 0.96 | 0.96 |
| Adj. Flow (vph) | 212 | 194 | 141 | 341 | 403 | 223 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 212 | 194 | 141 | 341 | 403 | 223 |
| Confl. Peds. (#/hr) | | 2 | | | | 55 |
| Confl. Bikes (#/hr) | | | | | | 111 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 14.2 | 14.2 | 10.2 | 45.5 | 30.8 | 45.0 |
| Effective Green, g (s) | 14.2 | 14.2 | 10.2 | 45.5 | 30.8 | 45.0 |
| Actuated g/C Ratio | 0.21 | 0.21 | 0.15 | 0.66 | 0.45 | 0.65 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 363 | 317 | 260 | 1224 | 829 | 969 |
| v/s Ratio Prot | | | c0.08 | 0.18 | c0.22 | 0.05 |
| v/s Ratio Perm | 0.12 | c0.13 | | | | 0.10 |
| v/c Ratio | 0.58 | 0.61 | 0.54 | 0.28 | 0.49 | 0.23 |
| Uniform Delay, d1 | 24.8 | 25.0 | 27.3 | 5.0 | 13.6 | 5.0 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.4 | 3.5 | 1.2 | 0.1 | 0.5 | 0.0 |
| Delay (s) | 27.2 | 28.5 | 28.6 | 5.1 | 14.0 | 5.0 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 27.8 | | | 12.0 | 10.8 | |
| Approach LOS | C | | | B | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.7 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.53 | | |
| Actuated Cycle Length (s) | 69.2 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 55.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 51 | 104 | 7 | 211 | 86 | 523 | 5 | 100 | 116 | 386 | 141 | 62 |
| Future Volume (vph) | 51 | 104 | 7 | 211 | 86 | 523 | 5 | 100 | 116 | 386 | 141 | 62 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.92 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1836 | | 1770 | 1863 | 1507 | 1770 | 1621 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1836 | | 1770 | 1863 | 1507 | 1770 | 1621 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.77 | 0.99 | 0.99 | 0.99 | 0.78 | 0.78 | 0.78 | 0.84 | 0.84 | 0.84 |
| Adj. Flow (vph) | 66 | 135 | 9 | 213 | 87 | 528 | 6 | 128 | 149 | 460 | 168 | 74 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 34 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 66 | 144 | 0 | 213 | 87 | 278 | 6 | 243 | 0 | 460 | 168 | 74 |
| Confl. Peds. (#/hr) | | | 23 | | | 38 | | | 27 | | | 85 |
| Confl. Bikes (#/hr) | | | | | | | | | 67 | | | 98 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 6.5 | 14.6 | | 15.2 | 22.8 | 53.3 | 1.0 | 30.6 | | 30.5 | 61.1 | 16.8 |
| Effective Green, g (s) | 6.5 | 14.6 | | 15.2 | 22.8 | 53.3 | 1.0 | 30.6 | | 30.5 | 61.1 | 16.8 |
| Actuated g/C Ratio | 0.06 | 0.13 | | 0.13 | 0.20 | 0.47 | 0.01 | 0.27 | | 0.27 | 0.54 | 0.15 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 101 | 235 | | 236 | 372 | 705 | 15 | 435 | | 473 | 999 | 233 |
| v/s Ratio Prot | 0.04 | c0.08 | | c0.12 | 0.05 | 0.11 | 0.00 | c0.15 | | c0.26 | 0.09 | 0.05 |
| v/s Ratio Perm | | | | | | 0.08 | | | | | | |
| v/c Ratio | 0.65 | 0.61 | | 0.90 | 0.23 | 0.39 | 0.40 | 0.56 | | 0.97 | 0.17 | 0.32 |
| Uniform Delay, d1 | 52.6 | 47.0 | | 48.6 | 38.2 | 19.8 | 56.2 | 35.8 | | 41.3 | 13.5 | 43.4 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 11.0 | 3.3 | | 33.0 | 0.1 | 0.4 | 6.3 | 1.9 | | 34.1 | 0.1 | 0.3 |
| Delay (s) | 63.6 | 50.3 | | 81.7 | 38.3 | 20.1 | 62.4 | 37.7 | | 75.4 | 13.6 | 43.7 |
| Level of Service | E | D | | F | D | C | E | D | | E | B | D |
| Approach Delay (s) | | 54.5 | | | 37.9 | | | 38.3 | | | 57.3 | |
| Approach LOS | | D | | | D | | | D | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 46.4 | HCM 2000 Level of Service | D |
| HCM 2000 Volume to Capacity ratio | 0.77 | | |
| Actuated Cycle Length (s) | 113.9 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 70.8% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.8 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 57 | 31 | 64 | 187 | 178 | 38 |
| Future Vol, veh/h | 57 | 31 | 64 | 187 | 178 | 38 |
| Peak Hour Factor | 0.86 | 0.86 | 0.82 | 0.82 | 0.93 | 0.93 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 66 | 36 | 78 | 228 | 191 | 41 |
| Number of Lanes | 1 | 1 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 2 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 2 |
| HCM Control Delay | 9.3 | 9.8 | 10.1 |
| HCM LOS | A | A | B |

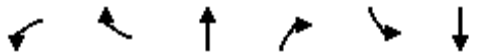
| Lane | NBLn1 | NBLn2 | EBLn1 | EBLn2 | SBLn1 |
|---|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 100% | 0% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 0% | 82% |
| Vol Right, % | 0% | 0% | 0% | 100% | 18% |
| Sign Control | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 64 | 187 | 57 | 31 | 216 |
| LT Vol | 64 | 0 | 57 | 0 | 0 |
| Through Vol | 0 | 187 | 0 | 0 | 178 |
| RT Vol | 0 | 0 | 0 | 31 | 38 |
| Lane Flow Rate | 78 | 228 | 66 | 36 | 232 |
| Geometry Grp | 5 | 5 | 5 | 5 | 3b |
| Degree of Util (X) | 0.12 | 0.318 | 0.116 | 0.051 | 0.314 |
| Departure Headway (Hd) | 5.529 | 5.027 | 6.313 | 5.102 | 4.87 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes |
| Cap | 649 | 714 | 567 | 699 | 739 |
| Service Time | 3.263 | 2.76 | 4.064 | 2.853 | 2.904 |
| HCM Lane V/C Ratio | 0.12 | 0.319 | 0.116 | 0.052 | 0.314 |
| HCM Control Delay | 9 | 10.1 | 9.9 | 8.1 | 10.1 |
| HCM Lane LOS | A | B | A | A | B |
| HCM 95th-tile Q | 0.4 | 1.4 | 0.4 | 0.2 | 1.3 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10.1 |
| Intersection LOS | B |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 171 | 2 | 38 | 0 | 2 | 7 | 14 | 73 | 0 | 13 | 32 | 232 |
| Future Vol, veh/h | 171 | 2 | 38 | 0 | 2 | 7 | 14 | 73 | 0 | 13 | 32 | 232 |
| Peak Hour Factor | 0.91 | 0.91 | 0.91 | 0.42 | 0.42 | 0.42 | 0.92 | 0.92 | 0.92 | 0.86 | 0.86 | 0.86 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 188 | 2 | 42 | 0 | 5 | 17 | 15 | 79 | 0 | 15 | 37 | 270 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 10.9 | 8.7 | 9.7 | 9.7 |
| HCM LOS | B | A | A | A |

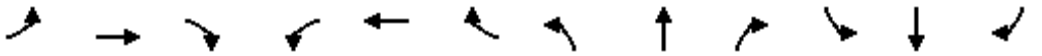
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 16% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 84% | 0% | 5% | 22% | 71% | 0% |
| Vol Right, % | 0% | 0% | 95% | 78% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 87 | 171 | 40 | 9 | 45 | 232 |
| LT Vol | 14 | 171 | 0 | 0 | 13 | 0 |
| Through Vol | 73 | 0 | 2 | 2 | 32 | 0 |
| RT Vol | 0 | 0 | 38 | 7 | 0 | 232 |
| Lane Flow Rate | 95 | 188 | 44 | 21 | 52 | 270 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.149 | 0.315 | 0.059 | 0.032 | 0.08 | 0.349 |
| Departure Headway (Hd) | 5.657 | 6.042 | 4.869 | 5.407 | 5.513 | 4.663 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 630 | 592 | 729 | 654 | 648 | 769 |
| Service Time | 3.725 | 3.818 | 2.644 | 3.504 | 3.262 | 2.411 |
| HCM Lane V/C Ratio | 0.151 | 0.318 | 0.06 | 0.032 | 0.08 | 0.351 |
| HCM Control Delay | 9.7 | 11.6 | 8 | 8.7 | 8.7 | 9.9 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.5 | 1.3 | 0.2 | 0.1 | 0.3 | 1.6 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 169 | 186 | 157 | 75 | 127 | 87 |
| Future Volume (vph) | 169 | 186 | 157 | 75 | 127 | 87 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.90 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.96 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1595 | 1583 | 1742 | | 1762 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.47 | 1.00 |
| Satd. Flow (perm) | 1595 | 1583 | 1742 | | 877 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.86 | 0.86 | 0.74 | 0.74 |
| Adj. Flow (vph) | 188 | 207 | 183 | 87 | 172 | 118 |
| RTOR Reduction (vph) | 0 | 127 | 8 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 188 | 80 | 262 | 0 | 172 | 118 |
| Confl. Peds. (#/hr) | 47 | | | 11 | 11 | |
| Confl. Bikes (#/hr) | | | | 37 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 18.8 | 18.8 | 36.8 | | 62.9 | 42.6 |
| Effective Green, g (s) | 18.8 | 18.8 | 36.8 | | 57.9 | 42.6 |
| Actuated g/C Ratio | 0.20 | 0.20 | 0.40 | | 0.63 | 0.46 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 325 | 322 | 695 | | 714 | 860 |
| v/s Ratio Prot | | | c0.15 | | c0.04 | 0.06 |
| v/s Ratio Perm | c0.12 | 0.05 | | | 0.11 | |
| v/c Ratio | 0.58 | 0.25 | 0.38 | | 0.24 | 0.14 |
| Uniform Delay, d1 | 33.1 | 30.8 | 19.6 | | 7.5 | 14.2 |
| Progression Factor | 1.00 | 1.00 | 0.15 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.5 | 0.4 | 0.3 | | 0.2 | 0.1 |
| Delay (s) | 35.6 | 31.2 | 3.2 | | 7.7 | 14.3 |
| Level of Service | D | C | A | | A | B |
| Approach Delay (s) | 33.3 | | 3.2 | | | 10.4 |
| Approach LOS | C | | A | | | B |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 17.8 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.43 | | |
| Actuated Cycle Length (s) | 92.2 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 56.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

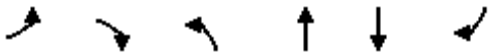
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 226 | 0 | 0 | 231 | 20 |
| Future Volume (vph) | 5 | 0 | 5 | 0 | 0 | 0 | 4 | 226 | 0 | 0 | 231 | 20 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.93 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.98 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1672 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1628 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.50 | 0.50 | 0.50 | 0.92 | 0.92 | 0.92 | 0.79 | 0.79 | 0.79 | 0.82 | 0.82 | 0.82 |
| Adj. Flow (vph) | 10 | 0 | 10 | 0 | 0 | 0 | 5 | 286 | 0 | 0 | 282 | 24 |
| RTOR Reduction (vph) | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 286 | 0 | 0 | 282 | 24 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 18 | 18 | | 149 |
| Confl. Bikes (#/hr) | | | | | | | | | 125 | | | 143 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 10.0 | | | | | 1.3 | 36.8 | | | 66.9 | 81.9 |
| Effective Green, g (s) | | 10.0 | | | | | 1.3 | 36.8 | | | 66.9 | 76.9 |
| Actuated g/C Ratio | | 0.11 | | | | | 0.01 | 0.40 | | | 0.73 | 0.83 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 176 | | | | | 24 | 743 | | | 1351 | 1320 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.15 | | | c0.15 | c0.02 |
| v/s Ratio Perm | | 0.00 | | | | | | | | | | |
| v/c Ratio | | 0.01 | | | | | 0.21 | 0.38 | | | 0.21 | 0.02 |
| Uniform Delay, d1 | | 36.7 | | | | | 44.9 | 19.7 | | | 4.1 | 1.3 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.20 | 0.00 |
| Incremental Delay, d2 | | 0.0 | | | | | 1.6 | 0.3 | | | 0.1 | 0.0 |
| Delay (s) | | 36.7 | | | | | 46.5 | 20.0 | | | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | B | | | A | A |
| Approach Delay (s) | | 36.7 | | | 0.0 | | | 20.5 | | | 0.8 | |
| Approach LOS | | D | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 11.3 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.29 | | |
| Actuated Cycle Length (s) | 92.2 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

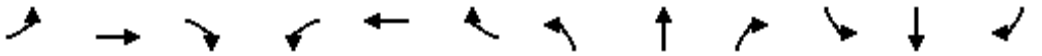
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 77 | 75 | 82 | 159 | 116 | 116 |
| Future Volume (vph) | 77 | 75 | 82 | 159 | 116 | 116 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.90 |
| Flpb, ped/bikes | 0.99 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1749 | 1583 | 1770 | 1863 | 1863 | 1419 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.79 | 0.79 | 0.80 | 0.80 |
| Adj. Flow (vph) | 100 | 97 | 104 | 201 | 145 | 145 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 100 | 97 | 104 | 201 | 145 | 145 |
| Confl. Peds. (#/hr) | 8 | | | | | 132 |
| Confl. Bikes (#/hr) | | | | | | 130 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 9.0 | 9.0 | 6.9 | 45.2 | 33.8 | 42.8 |
| Effective Green, g (s) | 9.0 | 9.0 | 6.9 | 45.2 | 33.8 | 42.8 |
| Actuated g/C Ratio | 0.14 | 0.14 | 0.11 | 0.71 | 0.53 | 0.67 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 247 | 223 | 191 | 1321 | 988 | 953 |
| v/s Ratio Prot | | | c0.06 | c0.11 | 0.08 | 0.02 |
| v/s Ratio Perm | 0.06 | c0.06 | | | | 0.08 |
| v/c Ratio | 0.40 | 0.43 | 0.54 | 0.15 | 0.15 | 0.15 |
| Uniform Delay, d1 | 24.9 | 25.0 | 26.9 | 3.0 | 7.6 | 3.8 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.1 | 1.4 | 1.7 | 0.1 | 0.1 | 0.0 |
| Delay (s) | 26.0 | 26.4 | 28.6 | 3.1 | 7.7 | 3.8 |
| Level of Service | C | C | C | A | A | A |
| Approach Delay (s) | 26.2 | | | 11.8 | 5.8 | |
| Approach LOS | C | | | B | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 13.2 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.26 | | |
| Actuated Cycle Length (s) | 63.7 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 39.6% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 9 | 53 | 4 | 63 | 96 | 237 | 5 | 25 | 44 | 116 | 60 | 16 |
| Future Volume (vph) | 9 | 53 | 4 | 63 | 96 | 237 | 5 | 25 | 44 | 116 | 60 | 16 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 0.97 | 1.00 | 0.92 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1835 | | 1770 | 1863 | 1538 | 1770 | 1547 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1835 | | 1770 | 1863 | 1538 | 1770 | 1547 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.69 | 0.69 | 0.69 | 0.77 | 0.77 | 0.77 | 0.73 | 0.73 | 0.73 | 0.71 | 0.71 | 0.71 |
| Adj. Flow (vph) | 13 | 77 | 6 | 82 | 125 | 308 | 7 | 34 | 60 | 163 | 85 | 23 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 172 | 0 | 47 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 13 | 83 | 0 | 82 | 125 | 136 | 7 | 47 | 0 | 163 | 85 | 23 |
| Confl. Peds. (#/hr) | | | 19 | | | 35 | | | 27 | | | 136 |
| Confl. Bikes (#/hr) | | | | | | | | | 93 | | | 115 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 2.6 | 9.5 | | 6.1 | 12.5 | 33.3 | 0.7 | 16.2 | | 20.8 | 37.3 | 7.3 |
| Effective Green, g (s) | 2.6 | 9.5 | | 6.1 | 12.5 | 33.3 | 0.7 | 16.2 | | 20.8 | 37.3 | 7.3 |
| Actuated g/C Ratio | 0.03 | 0.13 | | 0.08 | 0.17 | 0.44 | 0.01 | 0.21 | | 0.28 | 0.49 | 0.10 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 60 | 230 | | 142 | 308 | 677 | 16 | 331 | | 486 | 919 | 152 |
| v/s Ratio Prot | 0.01 | 0.05 | | c0.05 | c0.07 | 0.06 | 0.00 | c0.03 | | c0.09 | 0.05 | c0.01 |
| v/s Ratio Perm | | | | | | 0.03 | | | | | | |
| v/c Ratio | 0.22 | 0.36 | | 0.58 | 0.41 | 0.20 | 0.44 | 0.14 | | 0.34 | 0.09 | 0.15 |
| Uniform Delay, d1 | 35.5 | 30.3 | | 33.5 | 28.2 | 13.0 | 37.3 | 24.1 | | 21.9 | 10.2 | 31.3 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 0.7 | 0.4 | | 3.5 | 0.3 | 0.1 | 6.8 | 0.3 | | 0.4 | 0.1 | 0.2 |
| Delay (s) | 36.2 | 30.6 | | 37.0 | 28.5 | 13.1 | 44.1 | 24.3 | | 22.3 | 10.2 | 31.5 |
| Level of Service | D | C | | D | C | B | D | C | | C | B | C |
| Approach Delay (s) | | 31.4 | | | 20.7 | | | 25.7 | | | 19.3 | |
| Approach LOS | | C | | | C | | | C | | | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.9 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.32 | | |
| Actuated Cycle Length (s) | 75.6 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 49.7% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.7 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 9 | 7 | 16 | 51 | 50 | 43 |
| Future Vol, veh/h | 9 | 7 | 16 | 51 | 50 | 43 |
| Peak Hour Factor | 0.75 | 0.75 | 0.88 | 0.88 | 0.60 | 0.60 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 12 | 9 | 18 | 58 | 83 | 72 |
| Number of Lanes | 1 | 0 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 1 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 1 |
| HCM Control Delay | 7.4 | 7.8 | 7.7 |
| HCM LOS | A | A | A |

| Lane | NBLn1 | NBLn2 | EBLn1 | SBLn1 |
|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 56% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 54% |
| Vol Right, % | 0% | 0% | 44% | 46% |
| Sign Control | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 16 | 51 | 16 | 93 |
| LT Vol | 16 | 0 | 9 | 0 |
| Through Vol | 0 | 51 | 0 | 50 |
| RT Vol | 0 | 0 | 7 | 43 |
| Lane Flow Rate | 18 | 58 | 21 | 155 |
| Geometry Grp | 5 | 5 | 2 | 4a |
| Degree of Util (X) | 0.026 | 0.075 | 0.025 | 0.166 |
| Departure Headway (Hd) | 5.149 | 4.648 | 4.284 | 3.85 |
| Convergence, Y/N | Yes | Yes | Yes | Yes |
| Cap | 696 | 771 | 841 | 928 |
| Service Time | 2.877 | 2.376 | 2.284 | 1.888 |
| HCM Lane V/C Ratio | 0.026 | 0.075 | 0.025 | 0.167 |
| HCM Control Delay | 8 | 7.8 | 7.4 | 7.7 |
| HCM Lane LOS | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.2 | 0.1 | 0.6 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 7.9 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 50 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 65 |
| Future Vol, veh/h | 50 | 2 | 9 | 0 | 0 | 5 | 7 | 9 | 0 | 2 | 20 | 65 |
| Peak Hour Factor | 0.69 | 0.69 | 0.69 | 0.75 | 0.75 | 0.75 | 0.56 | 0.56 | 0.56 | 0.77 | 0.77 | 0.77 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 72 | 3 | 13 | 0 | 0 | 7 | 13 | 16 | 0 | 3 | 26 | 84 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

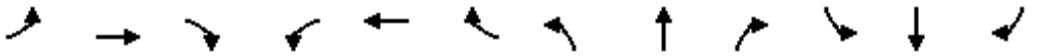
| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 8.4 | 7.4 | 8.2 | 7.4 |
| HCM LOS | A | A | A | A |

| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 44% | 100% | 0% | 0% | 9% | 0% |
| Vol Thru, % | 56% | 0% | 18% | 0% | 91% | 0% |
| Vol Right, % | 0% | 0% | 82% | 100% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 16 | 50 | 11 | 5 | 22 | 65 |
| LT Vol | 7 | 50 | 0 | 0 | 2 | 0 |
| Through Vol | 9 | 0 | 2 | 0 | 20 | 0 |
| RT Vol | 0 | 0 | 9 | 5 | 0 | 65 |
| Lane Flow Rate | 29 | 72 | 16 | 7 | 29 | 84 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.04 | 0.106 | 0.019 | 0.008 | 0.039 | 0.096 |
| Departure Headway (Hd) | 4.991 | 5.278 | 4.203 | 4.368 | 4.86 | 4.113 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 721 | 671 | 838 | 823 | 741 | 876 |
| Service Time | 2.994 | 3.072 | 1.997 | 2.375 | 2.56 | 1.813 |
| HCM Lane V/C Ratio | 0.04 | 0.107 | 0.019 | 0.009 | 0.039 | 0.096 |
| HCM Control Delay | 8.2 | 8.7 | 7.1 | 7.4 | 7.8 | 7.2 |
| HCM Lane LOS | A | A | A | A | A | A |
| HCM 95th-tile Q | 0.1 | 0.4 | 0.1 | 0 | 0.1 | 0.3 |

| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 196 | 277 | 297 | 163 | 241 | 290 |
| Future Volume (vph) | 196 | 277 | 297 | 163 | 241 | 290 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.95 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1690 | 1583 | 1730 | | 1767 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.21 | 1.00 |
| Satd. Flow (perm) | 1690 | 1583 | 1730 | | 398 | 1863 |
| Peak-hour factor, PHF | 0.90 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 |
| Adj. Flow (vph) | 218 | 308 | 330 | 181 | 284 | 341 |
| RTOR Reduction (vph) | 0 | 158 | 11 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 218 | 150 | 500 | 0 | 284 | 341 |
| Confl. Peds. (#/hr) | 19 | | | 16 | 16 | |
| Confl. Bikes (#/hr) | | | | 26 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 23.4 | 23.4 | 40.0 | | 70.9 | 45.8 |
| Effective Green, g (s) | 23.4 | 23.4 | 40.0 | | 65.9 | 45.8 |
| Actuated g/C Ratio | 0.22 | 0.22 | 0.38 | | 0.63 | 0.44 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 377 | 353 | 660 | | 536 | 814 |
| v/s Ratio Prot | | | c0.29 | | c0.11 | 0.18 |
| v/s Ratio Perm | c0.13 | 0.09 | | | 0.22 | |
| v/c Ratio | 0.58 | 0.42 | 0.76 | | 0.53 | 0.42 |
| Uniform Delay, d1 | 36.3 | 34.9 | 28.2 | | 12.7 | 20.3 |
| Progression Factor | 1.00 | 1.00 | 0.26 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.1 | 0.8 | 3.4 | | 0.9 | 0.4 |
| Delay (s) | 38.4 | 35.7 | 10.9 | | 13.7 | 20.7 |
| Level of Service | D | D | B | | B | C |
| Approach Delay (s) | 36.9 | | 10.9 | | | 17.5 |
| Approach LOS | D | | B | | | B |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 21.6 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.69 | | |
| Actuated Cycle Length (s) | 104.8 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 63.8% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

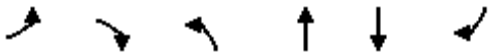
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 450 | 0 | 4 | 466 | 18 |
| Future Volume (vph) | 18 | 0 | 14 | 0 | 0 | 0 | 5 | 450 | 0 | 4 | 466 | 18 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | 5.5 | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | | 0.99 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | 0.99 | 1.00 | 1.00 |
| Frt | | 0.94 | | | | | 1.00 | 1.00 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | | 0.97 | | | | | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1683 | | | | | 1770 | 1863 | | 1753 | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | 0.32 | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1644 | | | | | 1770 | 1863 | | 587 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.64 | 0.64 | 0.64 | 0.92 | 0.92 | 0.92 | 0.90 | 0.90 | 0.90 | 0.85 | 0.85 | 0.85 |
| Adj. Flow (vph) | 28 | 0 | 22 | 0 | 0 | 0 | 6 | 500 | 0 | 5 | 548 | 21 |
| RTOR Reduction (vph) | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 7 | 0 | 0 | 0 | 0 | 6 | 500 | 0 | 5 | 548 | 21 |
| Confl. Peds. (#/hr) | | | 3 | 3 | | | | | 19 | 19 | | 119 |
| Confl. Bikes (#/hr) | | | | | | | | | 193 | | | 207 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 14.8 | | | | | 1.3 | 40.0 | | 74.7 | 74.7 | 94.5 |
| Effective Green, g (s) | | 14.8 | | | | | 1.3 | 40.0 | | 74.7 | 74.7 | 89.5 |
| Actuated g/C Ratio | | 0.14 | | | | | 0.01 | 0.38 | | 0.71 | 0.71 | 0.85 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 232 | | | | | 21 | 711 | | 418 | 1327 | 1351 |
| v/s Ratio Prot | | | | | | | c0.00 | c0.27 | | | c0.29 | 0.01 |
| v/s Ratio Perm | | c0.00 | | | | | | | | 0.01 | | |
| v/c Ratio | | 0.03 | | | | | 0.29 | 0.70 | | 0.01 | 0.41 | 0.02 |
| Uniform Delay, d1 | | 38.8 | | | | | 51.3 | 27.4 | | 4.4 | 6.1 | 1.1 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | 0.16 | 0.11 | 0.01 |
| Incremental Delay, d2 | | 0.1 | | | | | 2.7 | 3.2 | | 0.0 | 0.2 | 0.0 |
| Delay (s) | | 38.9 | | | | | 54.0 | 30.5 | | 0.7 | 0.9 | 0.0 |
| Level of Service | | D | | | | | D | C | | A | A | A |
| Approach Delay (s) | | 38.9 | | | 0.0 | | | 30.8 | | | 0.9 | |
| Approach LOS | | D | | | A | | | C | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 16.0 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.51 | | |
| Actuated Cycle Length (s) | 104.8 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.0% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

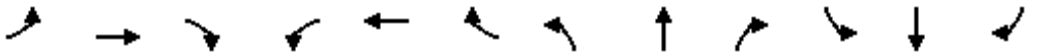
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 157 | 125 | 151 | 264 | 289 | 221 |
| Future Volume (vph) | 157 | 125 | 151 | 264 | 289 | 221 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.89 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1411 |
| Peak-hour factor, PHF | 0.86 | 0.86 | 0.85 | 0.85 | 0.86 | 0.86 |
| Adj. Flow (vph) | 183 | 145 | 178 | 311 | 336 | 257 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 183 | 145 | 178 | 311 | 336 | 257 |
| Confl. Peds. (#/hr) | | 2 | | | | 145 |
| Confl. Bikes (#/hr) | | | | | | 156 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 13.1 | 13.1 | 11.2 | 46.2 | 30.5 | 43.6 |
| Effective Green, g (s) | 13.1 | 13.1 | 11.2 | 46.2 | 30.5 | 43.6 |
| Actuated g/C Ratio | 0.19 | 0.19 | 0.16 | 0.67 | 0.44 | 0.63 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 337 | 294 | 288 | 1251 | 825 | 894 |
| v/s Ratio Prot | | | c0.10 | 0.17 | c0.18 | 0.05 |
| v/s Ratio Perm | c0.10 | 0.09 | | | | 0.13 |
| v/c Ratio | 0.54 | 0.49 | 0.62 | 0.25 | 0.41 | 0.29 |
| Uniform Delay, d1 | 25.1 | 24.9 | 26.8 | 4.5 | 13.0 | 5.6 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.8 | 1.3 | 2.8 | 0.1 | 0.3 | 0.1 |
| Delay (s) | 26.9 | 26.2 | 29.6 | 4.6 | 13.3 | 5.7 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 26.6 | | | 13.7 | 10.0 | |
| Approach LOS | C | | | B | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.1 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.48 | | |
| Actuated Cycle Length (s) | 68.8 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 54.4% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 89 | 9 | 127 | 68 | 384 | 7 | 66 | 140 | 295 | 115 | 25 |
| Future Volume (vph) | 16 | 89 | 9 | 127 | 68 | 384 | 7 | 66 | 140 | 295 | 115 | 25 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.97 | 1.00 | 0.91 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.90 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1821 | | 1770 | 1863 | 1530 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1821 | | 1770 | 1863 | 1530 | 1770 | 1524 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.77 | 0.77 | 0.77 | 0.90 | 0.90 | 0.90 |
| Adj. Flow (vph) | 17 | 96 | 10 | 137 | 73 | 413 | 9 | 86 | 182 | 328 | 128 | 28 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 242 | 0 | 67 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 17 | 106 | 0 | 137 | 73 | 171 | 9 | 201 | 0 | 328 | 128 | 28 |
| Confl. Peds. (#/hr) | | | 30 | | | 26 | | | 23 | | | 137 |
| Confl. Bikes (#/hr) | | | | | | 1 | | | 136 | | | 187 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 3.1 | 11.0 | | 10.7 | 18.1 | 39.3 | 0.9 | 29.2 | | 21.2 | 50.5 | 12.0 |
| Effective Green, g (s) | 3.1 | 11.0 | | 10.7 | 18.1 | 39.3 | 0.9 | 29.2 | | 21.2 | 50.5 | 12.0 |
| Actuated g/C Ratio | 0.03 | 0.12 | | 0.11 | 0.19 | 0.41 | 0.01 | 0.31 | | 0.22 | 0.53 | 0.13 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 57 | 210 | | 199 | 354 | 632 | 16 | 467 | | 394 | 989 | 199 |
| v/s Ratio Prot | 0.01 | c0.06 | | c0.08 | 0.04 | 0.06 | 0.01 | c0.13 | | c0.19 | 0.07 | 0.02 |
| v/s Ratio Perm | | | | | | 0.05 | | | | | | |
| v/c Ratio | 0.30 | 0.50 | | 0.69 | 0.21 | 0.27 | 0.56 | 0.43 | | 0.83 | 0.13 | 0.14 |
| Uniform Delay, d1 | 44.9 | 39.5 | | 40.6 | 32.4 | 18.4 | 46.9 | 26.3 | | 35.3 | 11.2 | 37.0 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 1.1 | 0.7 | | 7.7 | 0.1 | 0.2 | 24.2 | 0.9 | | 13.9 | 0.1 | 0.1 |
| Delay (s) | 46.0 | 40.2 | | 48.3 | 32.6 | 18.7 | 71.1 | 27.2 | | 49.2 | 11.3 | 37.1 |
| Level of Service | D | D | | D | C | B | E | C | | D | B | D |
| Approach Delay (s) | | 41.0 | | | 26.8 | | | 28.6 | | | 38.5 | |
| Approach LOS | | D | | | C | | | C | | | D | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 32.0 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.60 | | |
| Actuated Cycle Length (s) | 95.1 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 63.2% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 8.7 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 53 | 39 | 44 | 91 | 132 | 70 |
| Future Vol, veh/h | 53 | 39 | 44 | 91 | 132 | 70 |
| Peak Hour Factor | 0.73 | 0.73 | 0.87 | 0.87 | 0.90 | 0.90 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 73 | 53 | 51 | 105 | 147 | 78 |
| Number of Lanes | 1 | 0 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 1 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 1 |
| HCM Control Delay | 8.6 | 8.6 | 8.9 |
| HCM LOS | A | A | A |

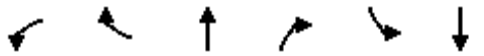
| Lane | NBLn1 | NBLn2 | EBLn1 | SBLn1 |
|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 58% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 65% |
| Vol Right, % | 0% | 0% | 42% | 35% |
| Sign Control | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 44 | 91 | 92 | 202 |
| LT Vol | 44 | 0 | 53 | 0 |
| Through Vol | 0 | 91 | 0 | 132 |
| RT Vol | 0 | 0 | 39 | 70 |
| Lane Flow Rate | 51 | 105 | 126 | 224 |
| Geometry Grp | 5 | 5 | 2 | 4a |
| Degree of Util (X) | 0.077 | 0.146 | 0.163 | 0.269 |
| Departure Headway (Hd) | 5.514 | 5.011 | 4.661 | 4.318 |
| Convergence, Y/N | Yes | Yes | Yes | Yes |
| Cap | 651 | 716 | 770 | 833 |
| Service Time | 3.237 | 2.734 | 2.685 | 2.338 |
| HCM Lane V/C Ratio | 0.078 | 0.147 | 0.164 | 0.269 |
| HCM Control Delay | 8.7 | 8.6 | 8.6 | 8.9 |
| HCM Lane LOS | A | A | A | A |
| HCM 95th-tile Q | 0.2 | 0.5 | 0.6 | 1.1 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 9.3 |
| Intersection LOS | A |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 134 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 57 | 125 |
| Future Vol, veh/h | 134 | 2 | 27 | 0 | 2 | 14 | 11 | 32 | 0 | 23 | 57 | 125 |
| Peak Hour Factor | 0.80 | 0.80 | 0.80 | 0.56 | 0.56 | 0.56 | 0.55 | 0.55 | 0.55 | 0.82 | 0.82 | 0.82 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 168 | 3 | 34 | 0 | 4 | 25 | 20 | 58 | 0 | 28 | 70 | 152 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 10.2 | 8.4 | 9.3 | 8.7 |
| HCM LOS | B | A | A | A |

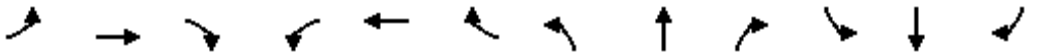
| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 26% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 74% | 0% | 7% | 12% | 71% | 0% |
| Vol Right, % | 0% | 0% | 93% | 88% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 43 | 134 | 29 | 16 | 80 | 125 |
| LT Vol | 11 | 134 | 0 | 0 | 23 | 0 |
| Through Vol | 32 | 0 | 2 | 2 | 57 | 0 |
| RT Vol | 0 | 0 | 27 | 14 | 0 | 125 |
| Lane Flow Rate | 78 | 168 | 36 | 29 | 98 | 152 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.12 | 0.272 | 0.047 | 0.04 | 0.147 | 0.193 |
| Departure Headway (Hd) | 5.517 | 5.855 | 4.697 | 5.086 | 5.41 | 4.561 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 648 | 611 | 759 | 700 | 662 | 785 |
| Service Time | 3.566 | 3.606 | 2.447 | 3.149 | 3.149 | 2.3 |
| HCM Lane V/C Ratio | 0.12 | 0.275 | 0.047 | 0.041 | 0.148 | 0.194 |
| HCM Control Delay | 9.3 | 10.8 | 7.7 | 8.4 | 9.1 | 8.4 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.4 | 1.1 | 0.1 | 0.1 | 0.5 | 0.7 |



| Movement | WBL | WBR | NBT | NBR | SBL | SBT |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 243 | 282 | 340 | 200 | 235 | 346 |
| Future Volume (vph) | 243 | 282 | 340 | 200 | 235 | 346 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 5.0 | 5.0 | 5.5 | | 4.0 | 5.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 1.00 | 0.98 | | 1.00 | 1.00 |
| Flpb, ped/bikes | 0.92 | 1.00 | 1.00 | | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 0.95 | | 1.00 | 1.00 |
| Flt Protected | 0.95 | 1.00 | 1.00 | | 0.95 | 1.00 |
| Satd. Flow (prot) | 1637 | 1583 | 1732 | | 1769 | 1863 |
| Flt Permitted | 0.95 | 1.00 | 1.00 | | 0.11 | 1.00 |
| Satd. Flow (perm) | 1637 | 1583 | 1732 | | 210 | 1863 |
| Peak-hour factor, PHF | 0.84 | 0.84 | 0.93 | 0.93 | 0.77 | 0.77 |
| Adj. Flow (vph) | 289 | 336 | 366 | 215 | 305 | 449 |
| RTOR Reduction (vph) | 0 | 125 | 12 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 289 | 211 | 569 | 0 | 305 | 449 |
| Confl. Peds. (#/hr) | 29 | | | 13 | 13 | |
| Confl. Bikes (#/hr) | | | | 15 | | |
| Turn Type | Perm | Perm | NA | | pm+pt | NA |
| Protected Phases | | | 2 | | 1 12 | 6 |
| Permitted Phases | 3 | 3 | | | 6 | |
| Actuated Green, G (s) | 29.1 | 29.1 | 40.4 | | 72.9 | 43.0 |
| Effective Green, g (s) | 29.1 | 29.1 | 40.4 | | 67.9 | 43.0 |
| Actuated g/C Ratio | 0.26 | 0.26 | 0.35 | | 0.60 | 0.38 |
| Clearance Time (s) | 5.0 | 5.0 | 5.5 | | | 5.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | | 3.0 |
| Lane Grp Cap (vph) | 418 | 404 | 614 | | 466 | 703 |
| v/s Ratio Prot | | | c0.33 | | c0.14 | 0.24 |
| v/s Ratio Perm | c0.18 | 0.13 | | | 0.25 | |
| v/c Ratio | 0.69 | 0.52 | 0.93 | | 0.65 | 0.64 |
| Uniform Delay, d1 | 38.3 | 36.4 | 35.3 | | 24.7 | 29.1 |
| Progression Factor | 1.00 | 1.00 | 0.24 | | 1.00 | 1.00 |
| Incremental Delay, d2 | 4.9 | 1.2 | 12.3 | | 3.3 | 1.9 |
| Delay (s) | 43.2 | 37.6 | 20.8 | | 27.9 | 31.0 |
| Level of Service | D | D | C | | C | C |
| Approach Delay (s) | 40.2 | | 20.8 | | | 29.8 |
| Approach LOS | D | | C | | | C |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 30.4 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.83 | | |
| Actuated Cycle Length (s) | 113.9 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 69.1% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

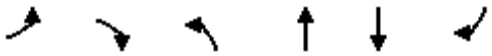
c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 16 | 0 | 50 | 0 | 0 | 0 | 23 | 523 | 0 | 0 | 554 | 34 |
| Future Volume (vph) | 16 | 0 | 50 | 0 | 0 | 0 | 23 | 523 | 0 | 0 | 554 | 34 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | 5.5 | 5.5 |
| Lane Util. Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Flpb, ped/bikes | | 1.00 | | | | | 1.00 | 1.00 | | | 1.00 | 1.00 |
| Frt | | 0.90 | | | | | 1.00 | 1.00 | | | 1.00 | 0.85 |
| Flt Protected | | 0.99 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (prot) | | 1652 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Flt Permitted | | 0.95 | | | | | 0.95 | 1.00 | | | 1.00 | 1.00 |
| Satd. Flow (perm) | | 1588 | | | | | 1770 | 1863 | | | 1863 | 1583 |
| Peak-hour factor, PHF | 0.75 | 0.75 | 0.75 | 0.92 | 0.92 | 0.92 | 0.94 | 0.94 | 0.94 | 0.87 | 0.87 | 0.87 |
| Adj. Flow (vph) | 21 | 0 | 67 | 0 | 0 | 0 | 24 | 556 | 0 | 0 | 637 | 39 |
| RTOR Reduction (vph) | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 0 | 14 | 0 | 0 | 0 | 0 | 24 | 556 | 0 | 0 | 637 | 39 |
| Confl. Peds. (#/hr) | | | | | | | | | 57 | 57 | | 4 |
| Confl. Bikes (#/hr) | | | | | | | | | 87 | | | 125 |
| Turn Type | custom | NA | | | | | Prot | NA | | Perm | NA | custom |
| Protected Phases | | | | | | | 5 | 2 | | | 6 3 | 6 3 4 |
| Permitted Phases | 12 | 12 | | 11 | 11 | | | | | 6 3 | | |
| Actuated Green, G (s) | | 17.8 | | | | | 4.5 | 40.4 | | | 77.6 | 100.4 |
| Effective Green, g (s) | | 17.8 | | | | | 4.5 | 40.4 | | | 77.6 | 95.4 |
| Actuated g/C Ratio | | 0.16 | | | | | 0.04 | 0.35 | | | 0.68 | 0.84 |
| Clearance Time (s) | | 5.0 | | | | | 4.0 | 5.5 | | | | |
| Vehicle Extension (s) | | 3.0 | | | | | 1.5 | 3.0 | | | | |
| Lane Grp Cap (vph) | | 248 | | | | | 69 | 660 | | | 1269 | 1325 |
| v/s Ratio Prot | | | | | | | c0.01 | c0.30 | | | c0.34 | 0.02 |
| v/s Ratio Perm | | c0.01 | | | | | | | | | | |
| v/c Ratio | | 0.06 | | | | | 0.35 | 0.84 | | | 0.50 | 0.03 |
| Uniform Delay, d1 | | 40.9 | | | | | 53.3 | 33.8 | | | 8.8 | 1.5 |
| Progression Factor | | 1.00 | | | | | 1.00 | 1.00 | | | 0.15 | 0.00 |
| Incremental Delay, d2 | | 0.1 | | | | | 1.1 | 9.6 | | | 0.2 | 0.0 |
| Delay (s) | | 41.0 | | | | | 54.4 | 43.4 | | | 1.6 | 0.0 |
| Level of Service | | D | | | | | D | D | | | A | A |
| Approach Delay (s) | | 41.0 | | | 0.0 | | | 43.8 | | | 1.5 | |
| Approach LOS | | D | | | A | | | D | | | A | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 22.4 | HCM 2000 Level of Service | C |
| HCM 2000 Volume to Capacity ratio | 0.59 | | |
| Actuated Cycle Length (s) | 113.9 | Sum of lost time (s) | 24.5 |
| Intersection Capacity Utilization | 43.7% | ICU Level of Service | A |
| Analysis Period (min) | 15 | | |

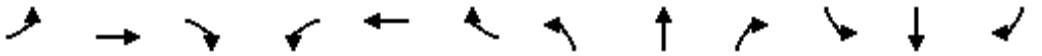
c Critical Lane Group



| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Volume (vph) | 189 | 173 | 133 | 343 | 388 | 214 |
| Future Volume (vph) | 189 | 173 | 133 | 343 | 388 | 214 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.98 | 1.00 | 1.00 | 1.00 | 0.94 |
| Flpb, ped/bikes | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.85 | 1.00 | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1547 | 1770 | 1863 | 1863 | 1491 |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1547 | 1770 | 1863 | 1863 | 1491 |
| Peak-hour factor, PHF | 0.89 | 0.89 | 0.94 | 0.94 | 0.96 | 0.96 |
| Adj. Flow (vph) | 212 | 194 | 141 | 365 | 404 | 223 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 212 | 194 | 141 | 365 | 404 | 223 |
| Confl. Peds. (#/hr) | | 2 | | | | 55 |
| Confl. Bikes (#/hr) | | | | | | 111 |
| Turn Type | Perm | Perm | Prot | NA | NA | custom |
| Protected Phases | | | 5 | 2 | 6 | 8 |
| Permitted Phases | 4 | 4 | | | | 6 |
| Actuated Green, G (s) | 14.2 | 14.2 | 10.2 | 45.5 | 30.8 | 45.0 |
| Effective Green, g (s) | 14.2 | 14.2 | 10.2 | 45.5 | 30.8 | 45.0 |
| Actuated g/C Ratio | 0.21 | 0.21 | 0.15 | 0.66 | 0.45 | 0.65 |
| Clearance Time (s) | 4.5 | 4.5 | 4.5 | 5.0 | 5.0 | 4.5 |
| Vehicle Extension (s) | 3.0 | 3.0 | 1.5 | 3.0 | 3.0 | 0.2 |
| Lane Grp Cap (vph) | 363 | 317 | 260 | 1224 | 829 | 969 |
| v/s Ratio Prot | | | c0.08 | 0.20 | c0.22 | 0.05 |
| v/s Ratio Perm | 0.12 | c0.13 | | | | 0.10 |
| v/c Ratio | 0.58 | 0.61 | 0.54 | 0.30 | 0.49 | 0.23 |
| Uniform Delay, d1 | 24.8 | 25.0 | 27.3 | 5.0 | 13.6 | 5.0 |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 2.4 | 3.5 | 1.2 | 0.1 | 0.5 | 0.0 |
| Delay (s) | 27.2 | 28.5 | 28.6 | 5.2 | 14.1 | 5.0 |
| Level of Service | C | C | C | A | B | A |
| Approach Delay (s) | 27.8 | | | 11.7 | 10.8 | |
| Approach LOS | C | | | B | B | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 15.6 | HCM 2000 Level of Service | B |
| HCM 2000 Volume to Capacity ratio | 0.53 | | |
| Actuated Cycle Length (s) | 69.2 | Sum of lost time (s) | 14.0 |
| Intersection Capacity Utilization | 55.0% | ICU Level of Service | B |
| Analysis Period (min) | 15 | | |

c Critical Lane Group



| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 51 | 104 | 7 | 213 | 86 | 523 | 5 | 122 | 143 | 386 | 142 | 62 |
| Future Volume (vph) | 51 | 104 | 7 | 213 | 86 | 523 | 5 | 122 | 143 | 386 | 142 | 62 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Total Lost time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | 5.5 | | 4.5 | 5.5 | 4.0 |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frpb, ped/bikes | 1.00 | 0.99 | | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | | 1.00 | 1.00 | 1.00 |
| Flpb, ped/bikes | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Frt | 1.00 | 0.99 | | 1.00 | 1.00 | 0.85 | 1.00 | 0.92 | | 1.00 | 1.00 | 0.85 |
| Flt Protected | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (prot) | 1770 | 1836 | | 1770 | 1863 | 1506 | 1770 | 1622 | | 1770 | 1863 | 1583 |
| Flt Permitted | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | 1.00 |
| Satd. Flow (perm) | 1770 | 1836 | | 1770 | 1863 | 1506 | 1770 | 1622 | | 1770 | 1863 | 1583 |
| Peak-hour factor, PHF | 0.77 | 0.77 | 0.77 | 0.99 | 0.99 | 0.99 | 0.78 | 0.78 | 0.78 | 0.84 | 0.84 | 0.84 |
| Adj. Flow (vph) | 66 | 135 | 9 | 215 | 87 | 528 | 6 | 156 | 183 | 460 | 169 | 74 |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 228 | 0 | 34 | 0 | 0 | 0 | 0 |
| Lane Group Flow (vph) | 66 | 144 | 0 | 215 | 87 | 300 | 6 | 305 | 0 | 460 | 169 | 74 |
| Confl. Peds. (#/hr) | | | 23 | | | 38 | | | 27 | | | 85 |
| Confl. Bikes (#/hr) | | | | | | | | | 67 | | | 98 |
| Turn Type | Prot | NA | | Prot | NA | pm+ov | Prot | NA | | Prot | NA | custom |
| Protected Phases | 7 | 4 | | 3 | 8 | 1 | 5 | 2 9 | | 1 | 6 9 | 7 9 |
| Permitted Phases | | | | | | 8 | | | | | | |
| Actuated Green, G (s) | 6.6 | 14.8 | | 15.2 | 22.9 | 53.3 | 1.0 | 32.2 | | 30.4 | 62.6 | 17.6 |
| Effective Green, g (s) | 6.6 | 14.8 | | 15.2 | 22.9 | 53.3 | 1.0 | 32.2 | | 30.4 | 62.6 | 17.6 |
| Actuated g/C Ratio | 0.06 | 0.13 | | 0.13 | 0.20 | 0.46 | 0.01 | 0.28 | | 0.26 | 0.54 | 0.15 |
| Clearance Time (s) | 4.0 | 4.5 | | 3.5 | 4.5 | 4.5 | 3.5 | | | 4.5 | | |
| Vehicle Extension (s) | 1.5 | 1.5 | | 1.5 | 1.5 | 3.0 | 1.5 | | | 3.0 | | |
| Lane Grp Cap (vph) | 101 | 235 | | 232 | 369 | 694 | 15 | 451 | | 465 | 1008 | 241 |
| v/s Ratio Prot | 0.04 | c0.08 | | c0.12 | 0.05 | 0.11 | 0.00 | c0.19 | | c0.26 | 0.09 | 0.05 |
| v/s Ratio Perm | | | | | | 0.09 | | | | | | |
| v/c Ratio | 0.65 | 0.61 | | 0.93 | 0.24 | 0.43 | 0.40 | 0.68 | | 0.99 | 0.17 | 0.31 |
| Uniform Delay, d1 | 53.4 | 47.7 | | 49.6 | 39.0 | 21.0 | 57.0 | 37.1 | | 42.4 | 13.4 | 43.6 |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | 1.00 |
| Incremental Delay, d2 | 11.0 | 3.3 | | 38.7 | 0.1 | 0.4 | 6.3 | 4.4 | | 38.5 | 0.1 | 0.3 |
| Delay (s) | 64.4 | 51.0 | | 88.3 | 39.1 | 21.4 | 63.3 | 41.4 | | 80.9 | 13.5 | 43.8 |
| Level of Service | E | D | | F | D | C | E | D | | F | B | D |
| Approach Delay (s) | | 55.2 | | | 40.6 | | | 41.8 | | | 60.8 | |
| Approach LOS | | E | | | D | | | D | | | E | |

| Intersection Summary | | | |
|---|---|---|---|
| HCM 2000 Control Delay | 49.1 | HCM 2000 Level of Service | D |
| HCM 2000 Volume to Capacity ratio | 0.81 | | |
| Actuated Cycle Length (s) | 115.6 | Sum of lost time (s) | 23.5 |
| Intersection Capacity Utilization | 72.0% | ICU Level of Service | C |
| Analysis Period (min) | 15 | | |

c Critical Lane Group

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10 |
| Intersection LOS | A |

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | |
| Traffic Vol, veh/h | 106 | 36 | 64 | 187 | 178 | 41 |
| Future Vol, veh/h | 106 | 36 | 64 | 187 | 178 | 41 |
| Peak Hour Factor | 0.86 | 0.86 | 0.82 | 0.82 | 0.93 | 0.93 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 123 | 42 | 78 | 228 | 191 | 44 |
| Number of Lanes | 1 | 0 | 1 | 1 | 1 | 0 |

| Approach | EB | NB | SB |
|---|---|---|---|
| Opposing Approach | | SB | NB |
| Opposing Lanes | 0 | 1 | 2 |
| Conflicting Approach Left | SB | EB | |
| Conflicting Lanes Left | 1 | 1 | 0 |
| Conflicting Approach Right | NB | | EB |
| Conflicting Lanes Right | 2 | 0 | 1 |
| HCM Control Delay | 9.9 | 10.2 | 9.9 |
| HCM LOS | A | B | A |

| Lane | NBLn1 | NBLn2 | EBLn1 | SBLn1 |
|---|---|---|---|---|
| Vol Left, % | 100% | 0% | 75% | 0% |
| Vol Thru, % | 0% | 100% | 0% | 81% |
| Vol Right, % | 0% | 0% | 25% | 19% |
| Sign Control | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 64 | 187 | 142 | 219 |
| LT Vol | 64 | 0 | 106 | 0 |
| Through Vol | 0 | 187 | 0 | 178 |
| RT Vol | 0 | 0 | 36 | 41 |
| Lane Flow Rate | 78 | 228 | 165 | 235 |
| Geometry Grp | 5 | 5 | 2 | 4a |
| Degree of Util (X) | 0.123 | 0.328 | 0.238 | 0.309 |
| Departure Headway (Hd) | 5.677 | 5.174 | 5.182 | 4.721 |
| Convergence, Y/N | Yes | Yes | Yes | Yes |
| Cap | 629 | 693 | 690 | 758 |
| Service Time | 3.43 | 2.926 | 3.239 | 2.775 |
| HCM Lane V/C Ratio | 0.124 | 0.329 | 0.239 | 0.31 |
| HCM Control Delay | 9.2 | 10.5 | 9.9 | 9.9 |
| HCM Lane LOS | A | B | A | A |
| HCM 95th-tile Q | 0.4 | 1.4 | 0.9 | 1.3 |

| Intersection | |
|---|---|
| Intersection Delay, s/veh | 10.2 |
| Intersection LOS | B |

| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Vol, veh/h | 176 | 2 | 38 | 0 | 2 | 7 | 14 | 73 | 0 | 13 | 32 | 232 |
| Future Vol, veh/h | 176 | 2 | 38 | 0 | 2 | 7 | 14 | 73 | 0 | 13 | 32 | 232 |
| Peak Hour Factor | 0.91 | 0.91 | 0.91 | 0.42 | 0.42 | 0.42 | 0.92 | 0.92 | 0.92 | 0.86 | 0.86 | 0.86 |
| Heavy Vehicles, % | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 193 | 2 | 42 | 0 | 5 | 17 | 15 | 79 | 0 | 15 | 37 | 270 |
| Number of Lanes | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |

| Approach | EB | WB | NB | SB |
|---|---|---|---|---|
| Opposing Approach | WB | EB | SB | NB |
| Opposing Lanes | 1 | 2 | 2 | 1 |
| Conflicting Approach Left | SB | NB | EB | WB |
| Conflicting Lanes Left | 2 | 1 | 2 | 1 |
| Conflicting Approach Right | NB | SB | WB | EB |
| Conflicting Lanes Right | 1 | 2 | 1 | 2 |
| HCM Control Delay | 11 | 8.7 | 9.8 | 9.8 |
| HCM LOS | B | A | A | A |

| Lane | NBLn1 | EBLn1 | EBLn2 | WBLn1 | SBLn1 | SBLn2 |
|---|---|---|---|---|---|---|
| Vol Left, % | 16% | 100% | 0% | 0% | 29% | 0% |
| Vol Thru, % | 84% | 0% | 5% | 22% | 71% | 0% |
| Vol Right, % | 0% | 0% | 95% | 78% | 0% | 100% |
| Sign Control | Stop | Stop | Stop | Stop | Stop | Stop |
| Traffic Vol by Lane | 87 | 176 | 40 | 9 | 45 | 232 |
| LT Vol | 14 | 176 | 0 | 0 | 13 | 0 |
| Through Vol | 73 | 0 | 2 | 2 | 32 | 0 |
| RT Vol | 0 | 0 | 38 | 7 | 0 | 232 |
| Lane Flow Rate | 95 | 193 | 44 | 21 | 52 | 270 |
| Geometry Grp | 4b | 5 | 5 | 4b | 5 | 5 |
| Degree of Util (X) | 0.149 | 0.325 | 0.059 | 0.032 | 0.08 | 0.351 |
| Departure Headway (Hd) | 5.678 | 6.045 | 4.872 | 5.418 | 5.532 | 4.682 |
| Convergence, Y/N | Yes | Yes | Yes | Yes | Yes | Yes |
| Cap | 628 | 592 | 728 | 653 | 646 | 766 |
| Service Time | 3.747 | 3.822 | 2.647 | 3.518 | 3.281 | 2.431 |
| HCM Lane V/C Ratio | 0.151 | 0.326 | 0.06 | 0.032 | 0.08 | 0.352 |
| HCM Control Delay | 9.8 | 11.7 | 8 | 8.7 | 8.8 | 10 |
| HCM Lane LOS | A | B | A | A | A | A |
| HCM 95th-tile Q | 0.5 | 1.4 | 0.2 | 0.1 | 0.3 | 1.6 |

# Appendix D

Existing Parking Data

**2024 Season: Paid Seaside Lagoon Visitors**

| Visit Date | CHILD Count | ADULT Count |
|---|---|---|
| 5/25/2024 | 63 | 68 |
| 5/26/2024 | 82 | 114 |
| 5/27/2024 | 159 | 138 |
| 5/30/2024 | 72 | 24 |
| 5/31/2024 | 94 | 24 |
| 6/1/2024 | 73 | 49 |
| 6/2/2024 | 73 | 85 |
| 6/3/2024 | 8 | 7 |
| 6/4/2024 | 135 | 39 |
| 6/5/2024 | 24 | 19 |
| 6/6/2024 | 44 | 23 |
| 6/7/2024 | 45 | 52 |
| 6/8/2024 | 108 | 127 |
| 6/9/2024 | 132 | 132 |
| 6/10/2024 | 27 | 22 |
| 6/11/2024 | 18 | 12 |
| 6/12/2024 | 103 | 54 |
| 6/13/2024 | 111 | 126 |
| 6/14/2024 | 102 | 79 |
| 6/15/2024 | 416 | 391 |
| 6/16/2024 | 220 | 260 |
| 6/17/2024 | 63 | 47 |
| 6/18/2024 | 81 | 80 |
| 6/19/2024 | 413 | 350 |
| 6/20/2024 | 138 | 103 |
| 6/21/2024 | 321 | 308 |
| 6/22/2024 | 463 | 502 |
| 6/23/2024 | 594 | 712 |
| 6/24/2024 | 181 | 168 |
| 6/25/2024 | 272 | 213 |
| 6/26/2024 | 234 | 189 |
| 6/27/2024 | 314 | 263 |
| 6/28/2024 | 474 | 293 |
| 6/29/2024 | 456 | 526 |
| 6/30/2024 | 537 | 583 |
| 7/1/2024 | 187 | 256 |
| 7/2/2024 | 235 | 301 |
| 7/3/2024 | 248 | 268 |
| 7/4/2024 | 637 | 534 |
| 7/5/2024 | 534 | 562 |
| 7/6/2024 | 574 | 519 |
| 7/7/2024 | 656 | 541 |
| 7/8/2024 | 120 | 176 |
| 7/9/2024 | 134 | 174 |
| 7/10/2024 | 219 | 260 |
| 7/11/2024 | 157 | 219 |
| 7/12/2024 | 153 | 172 |
| 7/13/2024 | 593 | 500 |
| 7/14/2024 | 622 | 460 |
| 7/15/2024 | 156 | 182 |
| 7/16/2024 | 164 | 187 |
| 7/17/2024 | 171 | 213 |
| 7/18/2024 | 240 | 291 |
| 7/19/2024 | 276 | 362 |
| 7/20/2024 | 593 | 498 |
| 7/21/2024 | 586 | 564 |
| 7/22/2024 | 151 | 192 |
| 7/23/2024 | 187 | 266 |
| 7/24/2024 | 188 | 249 |
| 7/25/2024 | 176 | 269 |
| 7/26/2024 | 249 | 297 |
| 7/27/2024 | 623 | 508 |
| 7/28/2024 | 662 | 519 |
| 7/29/2024 | 175 | 165 |
| 7/30/2024 | 136 | 175 |
| 7/31/2024 | 151 | 162 |
| 8/1/2024 | 107 | 145 |
| 8/2/2024 | 268 | 292 |
| 8/3/2024 | 418 | 362 |
| 8/4/2024 | 398 | 328 |
| 8/5/2024 | 206 | 226 |
| 8/6/2024 | 193 | 235 |
| 8/7/2024 | 151 | 226 |
| 8/8/2024 | 185 | 272 |
| 8/9/2024 | 210 | 264 |
| 8/10/2024 | 437 | 378 |
| 8/11/2024 | 422 | 296 |
| 8/12/2024 | 95 | 146 |
| 8/13/2024 | 91 | 110 |
| 8/14/2024 | 116 | 131 |
| 8/15/2024 | 103 | 145 |
| 8/16/2024 | 203 | 196 |
| 8/17/2024 | 374 | 276 |
| 8/18/2024 | 393 | 285 |
| 8/19/2024 | 112 | 154 |
| 8/20/2024 | 72 | 87 |
| 8/21/2024 | 101 | 139 |
| 8/22/2024 | 69 | 54 |
| 8/23/2024 | 63 | 57 |
| 8/24/2024 | 375 | 267 |
| 8/25/2024 | 438 | 327 |
| 8/26/2024 | 62 | 68 |
| 8/27/2024 | 42 | 34 |
| 8/28/2024 | 20 | 12 |
| 8/29/2024 | 15 | 19 |
| 8/30/2024 | 136 | 53 |
| 8/31/2024 | 308 | 222 |
| 9/1/2024 | 332 | 278 |
| 9/2/2024 | 391 | 332 |
| | **Median** | **213** |

**Redondo Beach Marina**
**Parking Lot Utilization**
**Friday, October 4th, 2024**

| Time | Parking Zone | Parking Zone | |
|---|---|---|---|
| | North Lot | South Lot | |
| **6:00 AM** | 2 | 2 | 4 |
| **6:10 AM** | 2 | 4 | 6 |
| **6:20 AM** | 3 | 3 | 6 |
| **6:30 AM** | 3 | 3 | 6 |
| **6:40 AM** | 4 | 2 | 6 |
| **6:50 AM** | 4 | 2 | 6 |
| **7:00 AM** | 4 | 6 | 10 |
| **7:10 AM** | 4 | 8 | 12 |
| **7:20 AM** | 6 | 10 | 16 |
| **7:30 AM** | 8 | 10 | 18 |
| **7:40 AM** | 10 | 6 | 16 |
| **7:50 AM** | 11 | 11 | 22 |
| **8:00 AM** | 12 | 12 | 24 |
| **8:10 AM** | 12 | 12 | 24 |
| **8:20 AM** | 12 | 12 | 24 |
| **8:30 AM** | 13 | 14 | 27 |
| **8:40 AM** | 13 | 15 | 28 |
| **8:50 AM** | 13 | 15 | 28 |
| **9:00 AM** | 15 | 13 | 28 |
| **9:10 AM** | 16 | 13 | 29 |
| **9:20 AM** | 18 | 12 | 30 |
| **9:30 AM** | 19 | 12 | 31 |
| **9:40 AM** | 20 | 13 | 33 |
| **9:50 AM** | 19 | 14 | 33 |
| **10:00 AM** | 19 | 15 | 34 |
| **10:10 AM** | 23 | 17 | 40 |
| **10:20 AM** | 24 | 19 | 43 |
| **10:30 AM** | 25 | 22 | 47 |
| **10:40 AM** | 26 | 25 | 51 |
| **10:50 AM** | 28 | 23 | 51 |
| **11:00 AM** | 26 | 28 | 54 |
| **11:10 AM** | 25 | 26 | 51 |
| **11:20 AM** | 24 | 28 | 52 |
| **11:30 AM** | 23 | 30 | 53 |
| **11:40 AM** | 20 | 33 | 53 |
| **11:50 AM** | 21 | 39 | 60 |
| **12:00 PM** | 25 | 40 | 65 |
| **12:10 PM** | 21 | 46 | 67 |
| **12:20 PM** | 21 | 54 | 75 |
| **12:30 PM** | 22 | 60 | 82 |
| **12:40 PM** | 24 | 65 | 89 |
| **12:50 PM** | 24 | 72 | 96 |
| **1:00 PM** | 23 | 72 | 95 |
| **1:10 PM** | 23 | 72 | 95 |
| **1:20 PM** | 23 | 74 | 97 |
| **1:30 PM** | 24 | 76 | 100 |
| **1:40 PM** | 24 | 73 | 97 |
| **1:50 PM** | 23 | 75 | 98 |
| **2:00 PM** | 23 | 81 | 104 |
| **2:10 PM** | 23 | 77 | 100 |
| **2:20 PM** | 20 | 81 | 101 |
| **2:30 PM** | 19 | 78 | 97 |
| **2:40 PM** | 17 | 81 | 98 |
| **2:50 PM** | 19 | 77 | 96 |
| **3:00 PM** | 17 | 72 | 89 |
| **3:10 PM** | 16 | 78 | 94 |
| **3:20 PM** | 16 | 81 | 97 |
| **3:30 PM** | 12 | 80 | 92 |
| **3:40 PM** | 11 | 80 | 91 |
| **3:50 PM** | 8 | 78 | 86 |
| **4:00 PM** | 7 | 80 | 87 |
| **4:10 PM** | 8 | 78 | 86 |
| **4:20 PM** | 6 | 83 | 89 |
| **4:30 PM** | 6 | 81 | 87 |
| **4:40 PM** | 6 | 83 | 89 |
| **4:50 PM** | 6 | 85 | 91 |
| **5:00 PM** | 6 | 91 | 97 |
| **5:10 PM** | 6 | 92 | 98 |
| **5:20 PM** | 6 | 92 | 98 |
| **5:30 PM** | 7 | 101 | 108 |
| **5:40 PM** | 6 | 103 | 109 |
| **5:50 PM** | 6 | 108 | 114 |
| **6:00 PM** | 4 | 107 | 111 |

**Redondo Beach Marina**
**Parking Lot Utilization**
**Saturday, October 5th, 2024**

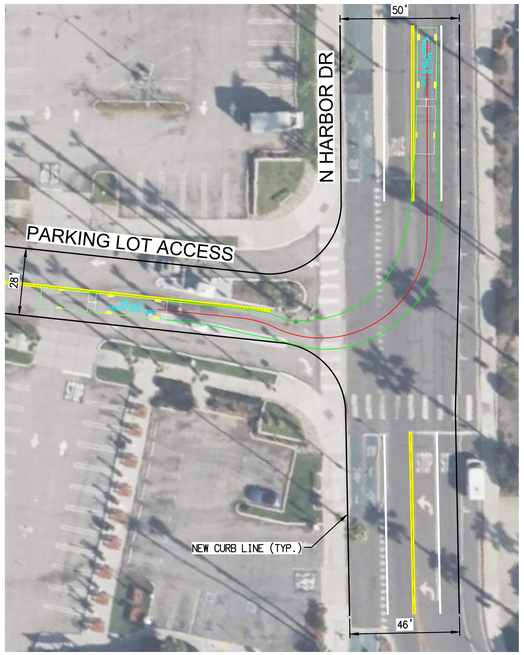
| Time | Parking Zone | Parking Zone | |
|---|---|---|---|
| | North Lot | South Lot | Total |
| **6:00 AM** | 4 | 11 | 15 |
| **6:10 AM** | 4 | 16 | 20 |
| **6:20 AM** | 4 | 17 | 21 |
| **6:30 AM** | 4 | 19 | 23 |
| **6:40 AM** | 5 | 21 | 26 |
| **6:50 AM** | 6 | 25 | 31 |
| **7:00 AM** | 5 | 30 | 35 |
| **7:10 AM** | 5 | 34 | 39 |
| **7:20 AM** | 5 | 37 | 42 |
| **7:30 AM** | 5 | 32 | 37 |
| **7:40 AM** | 5 | 32 | 37 |
| **7:50 AM** | 6 | 31 | 37 |
| **8:00 AM** | 7 | 31 | 38 |
| **8:10 AM** | 7 | 30 | 37 |
| **8:20 AM** | 7 | 31 | 38 |
| **8:30 AM** | 7 | 32 | 39 |
| **8:40 AM** | 7 | 33 | 40 |
| **8:50 AM** | 7 | 33 | 40 |
| **9:00 AM** | 7 | 35 | 42 |
| **9:10 AM** | 7 | 35 | 42 |
| **9:20 AM** | 7 | 34 | 41 |
| **9:30 AM** | 8 | 39 | 47 |
| **9:40 AM** | 9 | 40 | 49 |
| **9:50 AM** | 11 | 42 | 53 |
| **10:00 AM** | 13 | 43 | 56 |
| **10:10 AM** | 13 | 43 | 56 |
| **10:20 AM** | 13 | 47 | 60 |
| **10:30 AM** | 13 | 50 | 63 |
| **10:40 AM** | 13 | 52 | 65 |
| **10:50 AM** | 12 | 55 | 67 |
| **11:00 AM** | 12 | 57 | 69 |
| **11:10 AM** | 12 | 57 | 69 |
| **11:20 AM** | 12 | 59 | 71 |
| **11:30 AM** | 12 | 67 | 79 |
| **11:40 AM** | 12 | 67 | 79 |
| **11:50 AM** | 12 | 69 | 81 |
| **12:00 PM** | 13 | 74 | 87 |
| **12:10 PM** | 11 | 76 | 87 |
| **12:20 PM** | 9 | 82 | 91 |
| **12:30 PM** | 6 | 89 | 95 |
| **12:40 PM** | 6 | 90 | 96 |
| **12:50 PM** | 6 | 81 | 87 |
| **1:00 PM** | 7 | 81 | 88 |
| **1:10 PM** | 8 | 77 | 85 |
| **1:20 PM** | 8 | 79 | 87 |
| **1:30 PM** | 9 | 85 | 94 |
| **1:40 PM** | 9 | 85 | 94 |
| **1:50 PM** | 9 | 85 | 94 |
| **2:00 PM** | 9 | 91 | 100 |
| **2:10 PM** | 7 | 96 | 103 |
| **2:20 PM** | 7 | 97 | 104 |
| **2:30 PM** | 7 | 99 | 106 |
| **2:40 PM** | 6 | 97 | 103 |
| **2:50 PM** | 6 | 94 | 100 |
| **3:00 PM** | 6 | 96 | 102 |
| **3:10 PM** | 5 | 90 | 95 |
| **3:20 PM** | 5 | 90 | 95 |
| **3:30 PM** | 5 | 91 | 96 |
| **3:40 PM** | 5 | 95 | 100 |
| **3:50 PM** | 4 | 100 | 104 |
| **4:00 PM** | 4 | 106 | 110 |
| **4:10 PM** | 4 | 112 | 116 |
| **4:20 PM** | 3 | 116 | 119 |
| **4:30 PM** | 3 | 17 | 20 |
| **4:40 PM** | 3 | 18 | 21 |
| **4:50 PM** | 4 | 16 | 20 |
| **5:00 PM** | 4 | 120 | 124 |
| **5:10 PM** | 3 | 119 | 122 |
| **5:20 PM** | 3 | 114 | 117 |
| **5:30 PM** | 4 | 118 | 122 |
| **5:40 PM** | 4 | 19 | 23 |
| **5:50 PM** | 5 | 111 | 116 |
| **6:00 PM** | 5 | 101 | 106 |

**Redondo Beach Marina**
**Parking Lot Utilization**
**Sunday, October 6th, 2024**

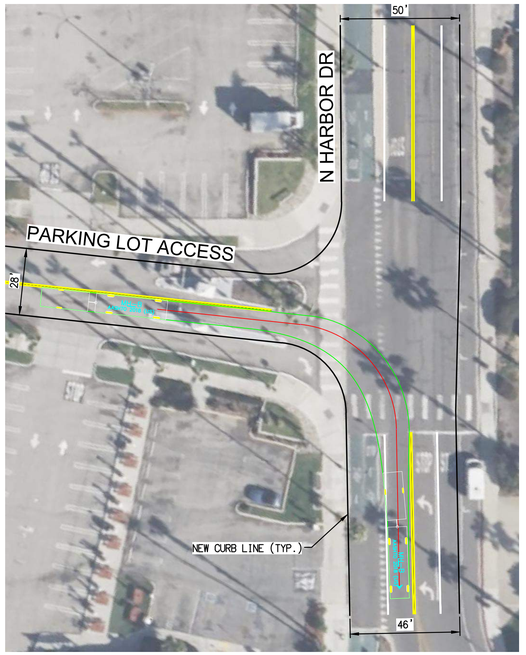
| Time | Parking Zone | Parking Zone | |
|---|---|---|---|
| | North Lot | South Lot | |
| **6:00 AM** | 3 | 9 | 12 |
| **6:10 AM** | 3 | 12 | 15 |
| **6:20 AM** | 3 | 14 | 17 |
| **6:30 AM** | 3 | 16 | 19 |
| **6:40 AM** | 3 | 19 | 22 |
| **6:50 AM** | 3 | 24 | 27 |
| **7:00 AM** | 3 | 26 | 29 |
| **7:10 AM** | 3 | 31 | 34 |
| **7:20 AM** | 4 | 37 | 41 |
| **7:30 AM** | 4 | 37 | 41 |
| **7:40 AM** | 5 | 39 | 44 |
| **7:50 AM** | 8 | 37 | 45 |
| **8:00 AM** | 8 | 37 | 45 |
| **8:10 AM** | 10 | 36 | 46 |
| **8:20 AM** | 13 | 35 | 48 |
| **8:30 AM** | 18 | 34 | 52 |
| **8:40 AM** | 24 | 34 | 58 |
| **8:50 AM** | 31 | 34 | 65 |
| **9:00 AM** | 34 | 38 | 72 |
| **9:10 AM** | 58 | 40 | 98 |
| **9:20 AM** | 65 | 45 | 110 |
| **9:30 AM** | 75 | 46 | 121 |
| **9:40 AM** | 81 | 47 | 128 |
| **9:50 AM** | 83 | 50 | 133 |
| **10:00 AM** | 80 | 56 | 136 |
| **10:10 AM** | 75 | 59 | 134 |
| **10:20 AM** | 62 | 66 | 128 |
| **10:30 AM** | 54 | 71 | 125 |
| **10:40 AM** | 47 | 74 | 121 |
| **10:50 AM** | 28 | 84 | 112 |
| **11:00 AM** | 20 | 90 | 110 |
| **11:10 AM** | 13 | 93 | 106 |
| **11:20 AM** | 10 | 89 | 99 |
| **11:30 AM** | 10 | 86 | 96 |
| **11:40 AM** | 9 | 87 | 96 |
| **11:50 AM** | 8 | 88 | 96 |
| **12:00 PM** | 7 | 92 | 99 |
| **12:10 PM** | 8 | 99 | 107 |
| **12:20 PM** | 7 | 106 | 113 |
| **12:30 PM** | 6 | 101 | 107 |
| **12:40 PM** | 6 | 100 | 106 |
| **12:50 PM** | 6 | 103 | 109 |
| **1:00 PM** | 8 | 103 | 111 |
| **1:10 PM** | 10 | 103 | 113 |
| **1:20 PM** | 8 | 103 | 111 |
| **1:30 PM** | 8 | 102 | 110 |
| **1:40 PM** | 7 | 102 | 109 |
| **1:50 PM** | 7 | 103 | 110 |
| **2:00 PM** | 9 | 104 | 113 |
| **2:10 PM** | 10 | 105 | 115 |
| **2:20 PM** | 10 | 99 | 109 |
| **2:30 PM** | 10 | 89 | 99 |
| **2:40 PM** | 10 | 96 | 106 |
| **2:50 PM** | 10 | 86 | 96 |
| **3:00 PM** | 9 | 88 | 97 |
| **3:10 PM** | 9 | 89 | 98 |
| **3:20 PM** | 9 | 85 | 94 |
| **3:30 PM** | 11 | 86 | 97 |
| **3:40 PM** | 10 | 85 | 95 |
| **3:50 PM** | 10 | 90 | 100 |
| **4:00 PM** | 10 | 89 | 99 |
| **4:10 PM** | 7 | 92 | 99 |
| **4:20 PM** | 6 | 95 | 101 |
| **4:30 PM** | 6 | 96 | 102 |
| **4:40 PM** | 6 | 97 | 103 |
| **4:50 PM** | 5 | 98 | 103 |
| **5:00 PM** | 5 | 98 | 103 |
| **5:10 PM** | 5 | 97 | 102 |
| **5:20 PM** | 5 | 106 | 111 |
| **5:30 PM** | 5 | 107 | 112 |
| **5:40 PM** | 4 | 105 | 109 |
| **5:50 PM** | 4 | 101 | 105 |
| **6:00 PM** | 4 | 99 | 103 |

# Appendix E

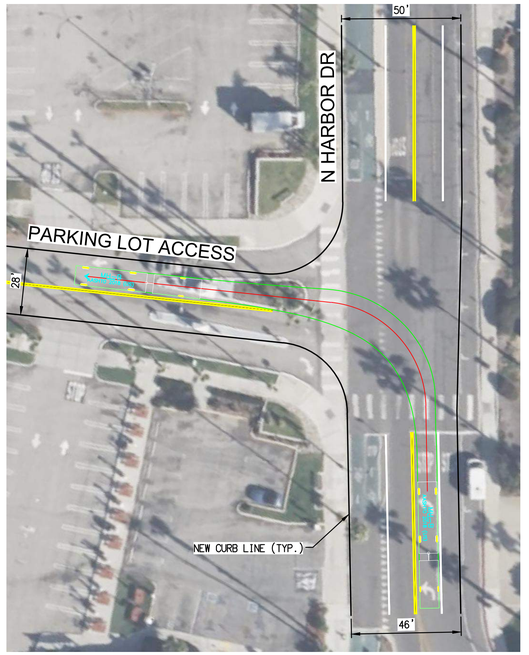
Proposed Project Site Design Layout - Turn Template



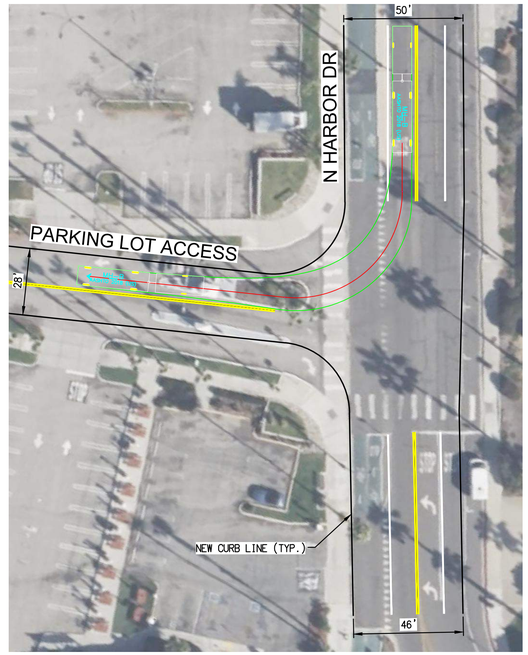

EASTBOUND LEFT MOVEMENT



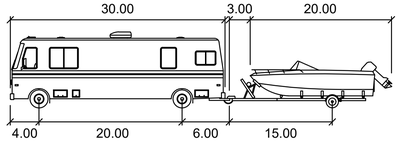

EASTBOUND RIGHT MOVEMENT




NORTHBOUND LEFT MOVEMENT



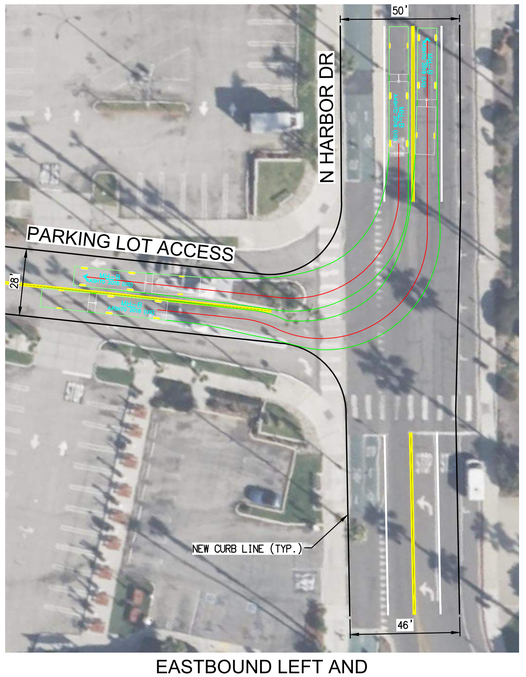

SOUTHBOUND RIGHT MOVEMENT



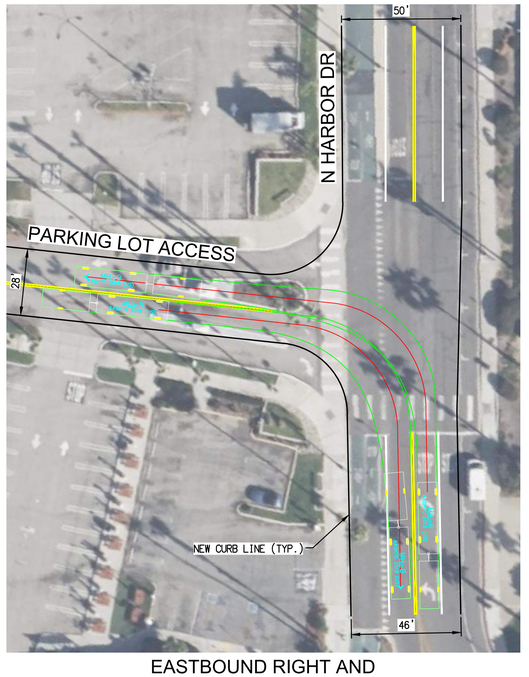

MH-B

feet

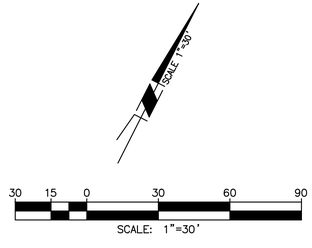
| | | | |
|---|---|---|---|
| MH Width | : 8.00 | Lock to Lock Time | : 6.0 |
| Trailer Width | : 8.00 | Steering Angle | : 25.8 |
| MH Track | : 8.00 | Articulating Angle | : 70.0 |
| Trailer Track | : 8.00 | | |

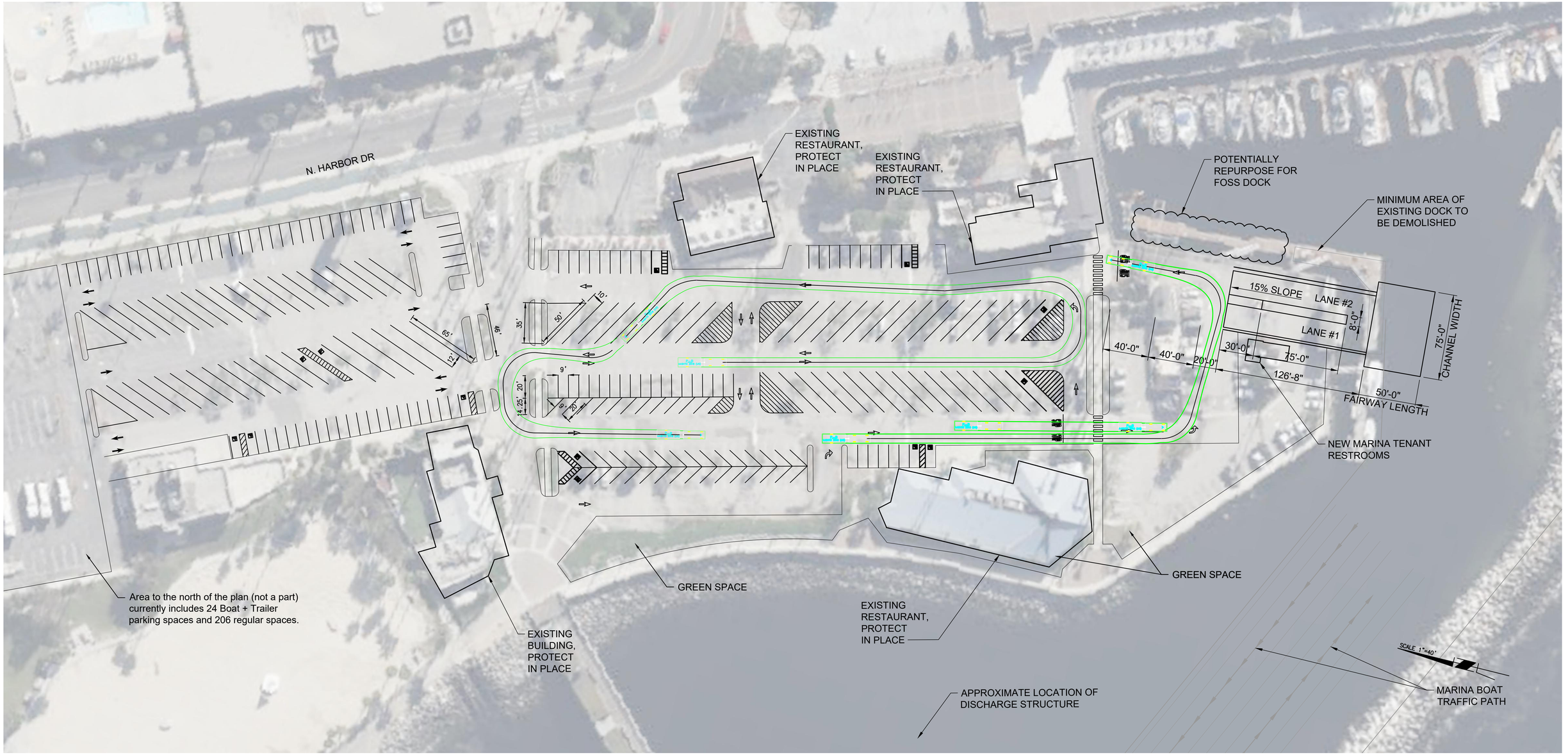


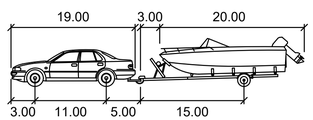

EASTBOUND LEFT AND
SOUTHBOUND RIGHT
MOVEMENTS




EASTBOUND RIGHT AND
NORTHBOUND LEFT
MOVEMENTS

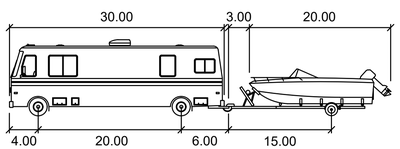





P-B

| | feet |
|---|---|
| Car Width | : 7.00 |
| Trailer Width | : 8.00 |
| Car Track | : 6.00 |
| Trailer Track | : 8.00 |
| Lock to Lock Time | : 6.0 |
| Steering Angle | : 31.6 |
| Articulating Angle | : 70.0 |




MH-B

| | feet | | |
|---|---|---|---|
| MH Width | : 8.00 | Lock to Lock Time | : 6.0 |
| Trailer Width | : 8.00 | Steering Angle | : 25.8 |
| MH Track | : 8.00 | Articulating Angle | : 70.0 |
| Trailer Track | : 8.00 | | |

Not for construction. Further design required

40 20 0 40 80 120

SCALE: 1"=40'

# Administrative Report

N.2., **File #** 25-1441 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: GREG KAPOVICH, WATERFRONT & ECONOMIC DEVELOPMENT DIRECTOR

## TITLE

DISCUSSION AND POSSIBLE ACTION REGARDING THE PROCESS TO CONSIDER AMENDING THE CITY'S LOCAL COASTAL PROGRAM TO ADJUST THE PARKING REQUIREMENTS FOR MARINA SLIPS

## EXECUTIVE SUMMARY

As part of the Strategic Plan, the City Council directed staff to prepare an item for discussion identifying the cost and process to consider adjustments to the requirements for parking in the Harbor. Currently, the City's Local Coastal Program (LCP) and Municipal Code (RBMC) require three -fourths of an off-street parking space per marina boat slip. An adjustment to the parking standards in the City's LCP requires the completion of a study before it can be considered by the Coastal Commission.

Accordingly, staff reached out to Fehr & Peers, a nationwide consulting firm with expertise in transportation planning and engineering, to prepare a cost estimate for a parking demand study in the Harbor. The study would provide empirical data, peer jurisdiction comparisons, and recommendations regarding whether the City's current per-slip parking ratio remains appropriate. The estimated cost for the study is approximately $35,000. If the study supports a reduced parking ratio for boat slips, the next phase would be to modify the parking requirements in the City's Zoning Ordinance through City Council action and to prepare an application for an amendment to the City's LCP for consideration of approval by the CA Coastal Commission.

## BACKGROUND

On April 29, 2025, the City Council held a Strategic Planning Session to discuss and update the City's Strategic Plan. Council directed staff to research the cost and process associated with a parking requirement adjustment for marina slips in the Harbor. The study would evaluate whether the City's existing requirement of three-fourths' space per slip, as codified in RBMC Section 10-5.1706 and the City's LCP, remains appropriate.

After contacting Fehr & Peers, the firm identified two primary components for the study data collection and data analysis. The data collection effort, estimated at $4,000, would involve compiling a complete parking inventory by type (e.g., ADA stalls, boater-reserved stalls, etc.) and conducting hourly occupancy counts on both a weekday and a weekend day to capture parking demand for the inventory of stalls. The data analysis component is estimated at $31,000 and would include a

preparation of summary tables and graphics of the parking demand data, estimating the ratio of boater-dedicated parking occupancy, and use travel pattern data to evaluate seasonal variations to estimate peak summer utilization. Analysis would also involve research of peer jurisdictions, such as Marina del Rey, San Pedro, Long Beach, Newport Beach, and Dana Point, to compare per-slip parking requirements.

Based on these findings, the consultant would prepare recommendations on adjustments to the per-slip parking ratio and produce a summary memorandum for Council consideration. The total estimated cost, inclusive of both data collection and analysis, is $35,000.

At this time, staff is seeking Council's direction on whether to proceed with a study in the Harbor. If the City Council directs staff to pursue the study, additional transportation consulting firms would be contacted in order to obtain competitive cost quotes. Once a suitable partner is selected, staff would negotiate an agreement for Council consideration, with the study estimated to take three to four months to complete.

Once the study is complete, staff would return to City Council at a future meeting to discuss the results. At that time, City Council could direct staff to pursue any recommended Zoning Ordinance and LCP amendments. The local amendment process would include at least one Planning Commission meeting, one Harbor Commission meeting, and two City Council meetings and would take an additional three to four months. Following local adoption, the LCP amendment would be submitted to the California Coastal Commission for certification, which would likely take an additional four to six months to process.

## COORDINATION

The Waterfront and Economic Development Department coordinated with the Community Development Department to prepare this report.

## FISCAL IMPACT

If directed to pursue a parking study, funding is available in the Waterfront and Economic Development Department's FY 2025-26 Budget to cover the estimated cost.

**APPROVED BY:**
*Mike Witzansky, City Manager*

# Administrative Report

N.3., **File #** 25-1520 **Meeting Date:** 11/4/2025

**To**: **MAYOR AND CITY COUNCIL**

**From**: JANE CHUNG, ASSISTANT TO THE CITY MANAGER

## TITLE

DISCUSSION AND POSSIBLE ACTION REGARDING THE DESIGN OF THE KING HARBOR GATEWAY SIGN REPLACEMENT AND UPDATES TO CITY MAINTAINED FLAGS AND PENNANTS

## EXECUTIVE SUMMARY

On September 16, 2025, the City Council approved an agreement with Stellen Design LLC to provide design services for updating the King Harbor Gateway Sign. Per the Agreement's scope, staff is returning to the City Council to present seven design options for consideration. In addition, staff is following up on the direction provided at the October 7, 2025, City Council meeting regarding updates to the City Flag and all City-maintained flags and pennants. Design concepts for these items have been developed in consultation with Stellen Design LLC and are also included in this report for the City Council's consideration. This item provides the City Council an opportunity to select the preferred design option for the replacement sign and direct staff to initiate procurement.

## BACKGROUND

The iconic King Harbor gateway sign on Catalina Avenue has welcomed visitors to the Redondo Beach waterfront area since the 1960s. The sign is now due for refurbishment, including repainting and design enhancements commensurate with the new City branding. As part of the update, the City Council has directed staff to incorporate the new City logo into the sign's redesign. Funding for design services is included in the Public Works Department's FY 2025-26 Operating Budget. Additionally, $134,000 has been approved in the FY 2025-26 Adopted Budget for the procurement and installation of the replacement arched illuminated sign panels, as well as the repainting of the sign poles and supporting structure.

Once a final design is selected, staff would initiate a bidding process to secure a sign manufacturer/installer and painting contractor. The project is expected to begin in early 2026, with anticipated completion by mid-2026. The schedule would need to consider the anticipated weather patterns due to the exposed exterior painting effort. Traffic control plans have been prepared by the City for the contractor to implement, which include intermittent closure of the left-hand turn lane at Anita Street and Pacific Coast Highway. Stellen Design LLC would remain involved throughout the process, providing design oversight and reviewing proofs in collaboration with the selected sign manufacturer.

As part of the City Flag update, the City Council directed staff to consult with Stellen Design LLC to finalize the design concept, which includes optimizing the size of the central logo and incorporating

multicolored pennants along the International Boardwalk to enhance visual appeal. To ensure compliance with California Government Code Section 431, staff is also planning to purchase additional California State Flags for installation on City flagpoles. When multiple flags are flown together, the recommended order is: (1) U.S. Flag, (2) California State Flag, and (3) City Flag. Once the total number of flagpoles is confirmed, staff will proceed with procurement and installation, staying within the initial appropriation of $10,000. Visuals of the updated City Flag and pennant designs are attached for the City Council's consideration.

## COORDINATION

This item was coordinated by the Public Works Department with the City Manager's Office and Waterfront and Economic Development Department.

## FISCAL IMPACT

The cost to refurbish the King Harbor Gateway Sign is included in the CIP Budget, as part of the Repainting King Harbor Gateway Sign Project Account #41400. The cost to update the City Flag and all City-maintained flags and pennants is included in the Public Works Department's FY 2025-26 Operating Budget.

## APPROVED BY:

*Mike Witzansky, City Manager*

## ATTACHMENTS

- Existing King Harbor Gateway Sign
- King Harbor Gateway Sign Design Options
- Updated City Flag and Pennants Final Design Concept

REDONDO BEACH
KING HARBOR
SPORT FISHING • RESTAURANTS • PORTOFINO INN • MARINAS • FISHERMANS WHARF
XING
PED
CRMLS

1.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

6.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

4.

REDONDO BEACH
REDONDO BEACH
EST. 1892
CALIFORNIA
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

9.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

15.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

17.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

18.

REDONDO BEACH
KING HARBOR
PIER • HOTELS • RESTAURANTS • SEASIDE LAGOON • MARINAS

REDONDO BEACH
EST. 1892
CALIFORNIA
REDONDO BEACH
EST. 1892
CALIFORNIA
REDONDO BEACH
EST. 1892
CALIFORNIA

REDONDO BEACH
EST.
1892
CALIFORNIA