



City of Redondo Beach Public Works Commission

May 23, 2022

The background of the slide is a solid teal color with a subtle, wavy texture that resembles water or a stylized ocean surface. The text is centered and rendered in a clean, white, sans-serif font.

J.1. Felton Lane and Ruhland Avenue All-Way Stop Controls

Public Works Commission Meeting - May 23, 2022

Background

- Initiated resident request
- Survey of Neighbors sent in November 2021 (33% response rate)
- Staff safety evaluation completed



North Approach



West Approach



South Approach



East Approach



Analysis

Caltrans MUTCD guidance for installation of all-way stop controls:

Criteria A – As an interim measure for a pending traffic signal

Criteria B – Five or more “correctable” crashes in 12 months

Criteria C – During 8 highest hours of an average day:

- Average of 300 vehicles on the major (uncontrolled) street

- Average of 200 vehicles, peds and bicycles on the minor (controlled) street

- Required volumes reduced to 70% if 85th % speed > 40 mph

Criteria D – Criteria B and C satisfied to at least 80%

Analysis

CA MUTCD provides for additional criteria to be considered:

- The need to control left-turn conflicts
- The need to control vehicle/pedestrian conflicts near locations that generate high pedestrian volumes
- Locations where a road user, after stopping, cannot see conflicting traffic unless the conflicting cross traffic is also required to stop
- Two residential collector streets of similar design and operating characteristics where all-way stop controls would improve operation characteristics of the intersection

Analysis

- A review of the available SWITRS accident data revealed five reported correctible collisions between 12/4/2020 and 11/11/2021. The reported collisions were all broadside (right-angle) collisions that may be correctable by all-way stop controls.
- MUTCD 2B.07 Criteria B satisfied – *Five or more reported crashes in a 12-month period that are susceptible to correction by a multi-way stop installation. Such crashes include right-turn and left-turn collisions as well as right-angle collisions.*
- All-way stop is supported by MUTCD and recommended by staff.

Legend



Existing
Stop Sign



Proposed
Stop Sign



Proposed
All-Way
Plaque



High-Vis
Crosswalk



Stop bar &
pavement
marker



Recommendation

- Review the engineering report, receive public input and provide direction to Staff regarding installation of all-way stop controls at Felton Lane and Ruhland Avenue