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**City of Redondo Beach
300 Block S. Catalina and Torrance Blvd Emergency Sewer Repair**

COST ESTIMATE FOR CONSTRUCTION SERVICES ACTUAL COSTS TO BE BILLED ON TIME AND MATERIAL BASIS

Description: Respond to emergency request by City of Redondo Beach. 10-inch VCP and 8-inch VCP sewer mainlines. Support and protect various utility crossing's.**Labor**

Foreman / Operator	3 DAY	32 hrs	\$140.00	\$4,480.00
Laborer IV	3 DAY	32 hrs	\$78.00	\$2,496.00
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Laborer IV	3 DAY	24 hrs	\$78.00	\$1,872.00
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Total Labor \$15,712.00**Equipment**

Ford F350 Utility Truck	3 EA	24 hrs	\$32.48	\$2,338.56
185 CFM Air Compressor	1 EA	24 hrs	\$16.81	\$403.44
CAT 450E Backhoe	1 EA	24 hrs	\$83.12	\$1,994.88
Super-10 Dump Truck	1 EA	24 hrs	\$90.00	\$2,160.00
10-wheel Dump Truck	1 EA	24 hrs	\$80.63	\$1,935.12
Trail King Equipment Trailer	1 EA	24 hrs	\$16.00	\$384.00
Traffic Rated Steel Plating	2 EA	3 Day	\$20.00	\$120.00
Hydraulic Jacks	8 EA	3 Day	\$8.00	\$192.00
Plywood	8 EA	3 Day	\$5.00	\$120.00
Misc Traffic Control Signs/Delineator Per Watch	1 LS	3 Day	\$200.00	\$600.00

Total Equipment \$10,248.00**Materials**

	Qty	Unit	\$/Unit	Tax	Total
10" VCP Pipe	12	LF	\$ 49.00 /LF	\$4.41	\$592.41
8" VCP Pipe	12	LF	\$ 49.00 /LF	\$4.41	\$592.41
10" Repair Coupling	3	EA	/EA	\$0.00	\$0.00
8" Repair Coupling	3	EA	/EA	\$0.00	\$0.00
AC Pavement	3	TN	\$ 70.00 /TN	\$6.30	\$216.30
Slurry Backfill	21	CY	\$ 150.00 /TN	\$13.50	\$3,213.50
Rock Bedding	14	TN	\$ 30.00 /TN	\$2.70	\$422.70
Cold Mix	2	TN	\$ 100.00 /TN	\$9.00	\$209.00

Total Materials \$5,246.32**Subcontractor**

Sawcutter	1 LS	\$ 1,500.00
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Total Subcontractor \$1,500.00**MISC**

Haul/Disposal	4 LOADS	\$ 600.00	\$ 2,400.00
Portable Toilet	3 DAY	\$ 50.00	\$ 150.00
Decorative Stamped Concrete (BUDGETARY)	100 SF	\$ 120.00	\$ 12,000.00

Total Misc. \$14,550.00**Sub Total \$47,256.32**

1% Bond \$0.00

20% Mark Up - Labor \$3,142.40

15% Mark Up - Equipment & Materials \$2,324.15

5% Markup - Subcontractor \$75.00

15% Markup - Miscellaneous \$2,182.50

Total \$54,980.37