

Client: Port of Redwood City
 Project: Track 787 Crossing Improvements Project
 Location: Redwood City, California
 Date: 11/22/2021



Estimate of Probable Construction Costs

Drawing: 100% Design
 Dated: 10/28/2021

Design Level: Class 1 - (65-100%) Bid
 Cost Index: 2021

Item No.	Item Description	Quantity	Unit	Unit	Total Cost	Subtotal
0.00	General Requirements					
0.01	Traffic Control	1	LS	\$ 3,000.00	\$ 3,000.00	
0.02	Staking Survey	1	LS	\$ 6,500.00	\$ 6,500.00	
0.03	Utility Locates	1	LS	\$ 3,000.00	\$ 3,000.00	
	Subtotal					\$ 12,500.00
	Contingency: 20%					\$ 2,500.00
	Total					\$ 15,000.00
1.00	Site Clearing and Demolition					
1.01	Clearing and Grubbing	1	LS	\$ 1,500.00	\$ 1,500.00	
1.02	Demolition of Existing Track (rail, ties, and ballast)	187	TF	\$ 30.00	\$ 5,610.00	
1.03	Sawcutting Existing Pavement	360	LF	\$ 6.00	\$ 2,160.00	
1.04	Remove Existing AC Pavement	1220	SF	\$ 4.00	\$ 4,880.00	
1.05	Remove Existing At-Grade Crossing	170	TF	\$ 40.00	\$ 6,800.00	
	Subtotal					\$ 20,950.00
	Contingency: 20%					\$ 4,190.00
	Total					\$ 25,140.00
2.00	Drainage and Utilities					
2.01	Track Drainage Underdrains (Perforated Pipes)	165	LF	\$ 40.00	\$ 6,600.00	
2.02	Track Drainage Underdrains (Cleanouts)	2	EA	\$ 750.00	\$ 1,500.00	
2.03	Track Drainage Underdrains (Solid Pipes)	25	LF	\$ 30.00	\$ 750.00	
2.04	Appurtenances	1	LS	\$ 1,500.00	\$ 1,500.00	
	Subtotal					\$ 10,350.00
	Contingency: 20%					\$ 2,070.00
	Total					\$ 12,420.00
3.00	Pavement					
3.01	Asphalt Concrete Pavement (7" AC/12" AB)	1220	SF	\$ 15.00	\$ 18,300.00	
3.02	Miscellaneous Concrete	1	LS	\$ 300.00	\$ 300.00	
	Subtotal					\$ 18,600.00
	Contingency: 20%					\$ 3,720.00
	Total					\$ 22,320.00
4.00	Earthwork and Grading					
4.01	Excavation (32" below ties)	340	CY	\$ 35.00	\$ 11,900.00	
4.02	Dewatering	1	LS	\$ 3,000.00	\$ 3,000.00	
4.03	Off-Haul and Disposal	340	CY	\$ 50.00	\$ 17,000.00	
4.04	Erosion Control	1	LS	\$ 5,000.00	\$ 5,000.00	
4.05	12" Subballast	90	CY	\$ 50.00	\$ 4,500.00	
	Subtotal					\$ 41,400.00
	Contingency: 20%					\$ 8,280.00
	Total					\$ 49,680.00
5.00	Trackwork					
5.01	New Track (115# RE Min Welded Rail, Rail, Plates, Ties, Ballast)	187	TF	\$ 250.00	\$ 46,750.00	
5.02	Gauge Bars	35	EA	\$ 110.00	\$ 3,850.00	
	Subtotal					\$ 50,600.00
	Contingency: 20%					\$ 10,120.00
	Total					\$ 60,720.00
6.00	Track Roadbed					
6.01	Geotextile Fabric	270	SY	\$ 5.00	\$ 1,350.00	
6.02	Subgrade Stabilization - Geogrid (13' wide, 100% of new track)	270	SY	\$ 20.00	\$ 5,400.00	
6.03	Subgrade Stabilization - 8" Deep Angular Rock (13' wide, 100% of new track)	60	CY	\$ 150.00	\$ 9,000.00	
	Proofroll and Compact Subgrade	270	SY	\$ 5.00	\$ 1,350.00	
	Subtotal					\$ 17,100.00
	Contingency: 20%					\$ 3,420.00
	Total					\$ 20,520.00
7.00	Concrete At-Grade Crossing					
7.01	Concrete At-Grade Crossing (Herkner Road)	170	TF	\$ 320.00	\$ 54,400.00	
	Subtotal					\$ 54,400.00
	Contingency: 20%					\$ 10,880.00
	Total					\$ 65,280.00
Grand Subtotal						\$ 226,400
Total Contingency						\$ 45,330
Mobilization Cost: 10%						\$ 22,640
Phasing Cost: 0%						\$ -
Grand Total with Contingency						\$ 294,370