

**Request for Proposals
Alameda Corridor**

Maintenance of Way Services

APPENDIX R

Cost Proposal Forms

Appendix R - Cost Forms

I. TRACK, BRIDGE & SAFETY (T,B&S) LABOR POSITIONS ⁽¹⁾	Number of Positions	Straight-time Hours Per Year Per Position	Hourly Rate	Subtotal	Est. OT Hours	OT Rate	Subtotal	Total Annual Cost
I-A. MANAGEMENT POSITIONS - Salaried or Hourly								
Contract Manager								
Track Supervisor								
Bridge Supervisor								
Safety Supervisor								
Office Manager								
Other								
I-B. STAFF POSITIONS - Hourly								
Track Foreman								
Asst. Track Foreman								
Track Inspector								
Track Laborers								
Equipment Operators								
Welder								
Welder Helper								
Other								
Annual T,B&S Labor Cost (I-A + I-B)								
I-C. T,B&S VEHICLES (from Table 1A)								
I-D. T,B&S EQUIPMENT (from Table 2A)								
I-E. T,B&S OTHER								
Grand Total T,B&S Costs								

⁽¹⁾ All quoted hourly rates are to be fully burdened, including but not limited to: salary paid to employee; overhead markups including fringe benefits, etc.; profit; local administrative support; and personal safety equipment for contractor and subcontractor. If position is through a subcontractor so indicate.

II. SIGNAL & COMMUNICATION (S&C) LABOR POSITIONS ⁽¹⁾	Number of Positions	Straight-time Hours Per Year Per Position	Hourly Rate	Subtotal	Est. OT Hours	OT Rate	Subtotal	Total Annual Cost
II-A. MANAGEMENT POSITIONS - Salaried or Hourly (to be included in AAR annual unit costs below)								
Signal/Comm Supervisor								
Signal Engineer								
Other								
II-B. STAFF POSITIONS - Hourly (to be included in AAR annual unit costs below)								
Test Maintainer								
Signal Maintainers								
AEI/Comm Technician								
Other								
II-C. VEHICLES (from Table 1B)								
II-D. EQUIPMENT (from Table 2B)								
II-E. MATERIALS								
II-F. OTHER								
Grand Total S&C Costs (to be used to compute unit rates in II-G)								
II-G. TOTAL SIGNAL & COMMUNICATIONS ANNUAL COSTS (to include II-A thru II-F from above)								
AEI Readers (757 units at \$ _____ per unit)								
Signal Maintenance (4901 units at \$ _____ per unit)								
Total for II-G (should equal Grand Total of II-A thru II-F from above)								

⁽¹⁾ All quoted hourly rates are to be fully burdened, including but not limited to: salary paid to employee; overhead markups including fringe benefits, etc.; profit; local administrative support; and personal safety equipment for contractor and subcontractor. If position is through a subcontractor so indicate.

III. SUPPLEMENTAL LABOR FOR SPECIAL CAPITAL WORK

(If title and rates are different from labor positions above. Provide separate attachment if needed.)

Position Titles ⁽¹⁾	Hourly Rate

⁽¹⁾ All quoted hourly rates are to be fully burdened, including but not limited to: salary paid to employee; overhead markups including fringe benefits, etc.; profit; local administrative support; and personal safety equipment for contractor and subcontractor. If position is through a subcontractor so indicate.

IV. PROPOSED CONTRACTOR MARKUP FOR ALL SUBCONTRACTORS, MATERIALS, AND OTHER PROCUREMENTS

(to be included in all costs in I, II, & III above where applicable)

_____ %

Vehicles
List of All Vehicles for Labor Positions

Table 1A

Track, Bridge & Safety Positions	Type	Hi-Rail Yes/No	Monthly Rate*	Annual Cost
Total Annual Cost (enter this amount in Section I-C)				

Table 1B

Signal & Comm. Position**	Type	Hi-Rail Yes/No	Monthly Rate*	Annual Cost
Total Annual Cost (enter this amount in Section II-C)				

* All-in cost including insurance, registration, fuel, maintenance, and small tools/supplies.

** Vehicle costs for S & C positions to be included in AAR unit cost.

Equipment
List All Equipment for Maintenance, Repair & Inspection

Table 2A-Track, Bridge & Safety Equipment

Equipment by Type*	Hi-Rail Yes/No	Leased	Owned	Rented	Unit Rate**	Estimated Annual Cost
Total Annual Cost (enter this amount in Section I-D)						

Table 2B-Signal & Communications Equipment

Equipment by Type*	Hi-Rail Yes/No	Leased	Owned	Rented	Unit Rate**	Estimated Annual Cost
Total Annual Cost (enter this amount in Section II-D)						

* Includes but not limited to backhoes, hoppers, vacuum trucks, trampers, dump trucks, (back and side), boom trucks, labor transportation vans, grapple trucks, loaders, etc.

** All-in cost including insurance, registration, fuel, and maintenance. Indicate hourly, daily, weekly, or monthly rate, as may apply.

Additional Estimated Cost Items

Item No.	Item	Units	Unit Cost
Track			
	Remove and Replace Switch Point:		
1	16'-6"	EA	
2	19'-6"	EA	
3	30'-0"	EA	
4	39'-0"	EA	
	Remove and Replace Frog:		
5	No. 10	EA	
6	No. 14	EA	
7	No. 20	EA	
8	Remove and Replace Cross Tie	EA	
9	Remove and Replace Switch Tie	EA	
10	Thermite Weld (without rail cost)	EA	
11	Tamping	Track Foot	
12	Relay Curve Rail	Track Foot	
Signal			
13	Remove and Replace Switch Machine	EA	
14	Remove and Replace VHLC Module	EA	
15	Remove and Replace Dragging Sensor	EA	
16	Remove and Replace Hot Box Sensor	EA	
17	Remove and Replace High/Wide Sensor	EA	
18	Remove and Replace AEI Reader	EA	
19	Remove and Replace Two Headed Ground Signal	EA	
20	Remove and Replace Typical Dwarf Signal	EA	
21	Remove and Replace Typical Crossing Mechanisms	EA	
22	Remove and Replace Typical HXP or GCP	EA	
23	Remove and Replace Typical Battery Rectifier	EA	

ACTA AAR UNIT SIGNAL COUNT 2016

<u>Location</u>	<u>AAR Unit Count</u>	<u>Total Unit Count</u>
CP East Redondo	216	216
CP West Redondo B House	84	300
CP West Redondo A House	207	507
CP 25th Street	143	650
Intermediate MP 1.0	30	680
Intermediate MP 1.7	61	741
Intermediate MP 2.70	79	820
CP Nadeau	197	1017
Intermediate MP 5.3	65	1082
Intermediate MP 6.4	78	1160
CP Weber	199	1359
Intermediate MP 8.80	83	1442
CP Compton B House	68	1510
CP Compton A House	60	1570
CP Alameda	220	1790
CP Tower	7	1797
High Wide MP 11.8	79	1876
CP Del Amo B House	89	1965
CP Del Amo A House	123	2088
CP Tyler	126	2214
High Wide MP 12.9	106	2320
CP Carson	106	2426
CP Delores B House	95	2521
CP Delores A House	143	2664
CP Channel	147	2811
CP Sepulveda	109	2920
CP BNSF	67	2987
CP Thenard C House	71	3058
CP Thenard B House	56	3114
CP Thenard A House	216	3330
CP Long Beach C House	104	3434
CP Long Beach B House	117	3551
CP Long Beach A House	136	3687
CP Anaheim	62	3749
CP Dominguez C House	60	3809
CP Dominguez A House	61	3870
CP Perry	57	3927
CP Crucero C House	61	3988
CP Crucero B House	93	4081
CP Crucero A House	69	4150
Perino Crossing MP 0	23	4173
Watson Road Crossing	123	4296
PCH Crossing	89	4385
Leeward Marina Crossing	69	4454
TYC Crossing	98	4552
West Basin/Henry Ford	106	4658
Henry Ford Pier A Way	142	4800
Opps Street Estimated (to be Verified)	101	4901
Total		4901

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AEI & Other Communications Equipment AAR Unit Count

<u>Reader ID</u>	<u>Reader Name</u>	<u>Unit Count</u>	<u>Active- A Inactive - I</u>	<u>X Co-ord</u>	<u>Y Co-ord</u>
1	SAN BERNANDINO SUB.	18	A	1558	430
2	SAN BERNANDINO SUB.	19	A	1568	433
3	LOS ANGELES SUB.	18	A	1574	425
4	LOS ANGELES SUB.	18	A	1580	426
5	9TH STREET TRACK METROLINK	18	A	1556	413
6	9TH STREET YARD TRACK	0	I	1548	403
7	J YARD	21	A	1540	428
8	WILMINGTON BRANCH	0	I	1527	422
9	SANTA ANA BRANCH	0	I	1551	902
10	EAST LONG BEACH BRANCH	0	I	1663	1603
11	LA HABRA BRANCH	0	I	1468	679
12	DELORES YARD	18	A	1640	1740
13	ACTA STORAGE TRACKS	19	A	1643	1736
14	SOUTHERLY DRILL TRACK	20	A	1605	1777
15	ACTA STORAGE TRACKS SOUTH	0	I	1625	1808
16	DELORES YARD MID	23	A	1603	1927
17	LONG BEACH LEAD POLB 1	18	A	1548	1974
18	TOSCO	20	A	1513	2059
19	WATSON LEAD NORTH	21	A	1519	2075
20	DELORES YARD SOUTH	0	I	1568	2061
21	WATSON LEAD SOUTH	18	A	1568	2061
22	POLB TRACK 2	18	A	1528	2265
23	POLB TRACK 1	18	A	1534	2267
24	LONG BEACH BRANCH	18	A	1509	2268
25	POLA ACTA 3	20	A	1568	2061
26	POLA TRACK 2	19	A	1568	2061
27	POLA TRACK 1	18	A	1568	2061
28	HANJIN 1	18	A	1568	2061
29	UPRR MEAD YARD	0	I	1568	2061
30	SAN PEDRO BRANCH	18	A	1597	2226
31	HARBOR SUB	0	I	1461	2151
32	MC FARLAND	19	A	1444	2296
33	HANJIN 2 AKA RDR	19	A	1568	2061
34	TOYOTA-SAME AS RDR	0	I	1582	2282
35	ICTF	18	A	1575	2281
41	INDUSTRY	18	A		
42	HARBOR SUB NORTH - AKA RDR 2	0	A		
43	UP SO DRILL - TRK - KAK RDR 19	0	A		
44	ACTA 3 SOUTH - AKA RDR 26	0	A		
45	MC FARLAND - WATSON AKA RDR 32	0	A		
46	STORAGE TRAK N. ML3-AKA RDR 13	0	A		
47	STORAGE TRK S. ML3-AKA RDR 15	0	I		
48	DELORES YARD MID ML3-AKA RDR 16	0	A		
49	YARD ML3-AKA RDR 7	0	A		
50	LB LEAD POLB 2	18	A		
				Total AEI	508
Other Commincations:					
	Cameras in the trench	15			
	Emergency Ladder Alarms	49			
	Emergency Phones	129			

<u>Reader ID</u>	<u>Reader Name</u>	<u>Unit Count</u>	<u>Active- A Inactive - I</u>	<u>X Co-ord</u>	<u>Y Co-ord</u>
	Fiber Cable - 25 miles	25			
	Opps St. Camera	8			
	Greenleaf Camera	5			
	Nadeau Cameras	4			
	Pump Stations	2			
	Badger Bridge Equipment	4			
	San Bernardino Control Center Equipment	3			
	ICTF Equipment	3			
	BBI Maintenance Facilities Equipment	2			
		<u>757</u>			
					Total Other 249
					Grand Total 757