

## Alameda Corridor - Amended 2019 Maintenance of Way Budget

Note: assumes new contractor begins May 1, 2019 and existing contractor works through May 31, 2019 - i.e. 1 month overlap

I. LABOR POSITIONS		Needed Portion	EST Hours	2019			2019 VALUE	Share	R.R. M & O		Reserve Account		ACTA Operating Budget				
NEW CONTRACTOR A	Positions			Hourly RATE	OT RATE	OT VALUE			Rail Cost	Hours	Share	Non-Rail Cost	Hours	Share	Cost	Hours	
<b>MANAGEMENT POSITIONS</b>																	
A.1.a.i	Contract Manager	1	100.0%	1333	\$ 149.01	N/A	N/A	\$ 198,680	70.0%	\$ 139,076	933	25.0%	\$ 49,670	333	5.0%	\$ 9,934	67
A.1.a.ii	Track Supervisor	1	100.0%	1333	\$ 117.62	N/A	N/A	\$ 156,827	75.0%	\$ 117,620	1,000	25.0%	\$ 39,207	333	0.0%	\$ -	-
A.1.a.iii	Safety Supervisor	1	100.0%	667	\$ 117.62	N/A	N/A	\$ 78,413	20.0%	\$ 15,683	133	80.0%	\$ 62,731	533	0.0%	\$ -	-
A.1.a.iv	Office Manager	1	100.0%	1333	\$ 55.23	N/A	N/A	\$ 73,640	70.0%	\$ 51,548	933	25.0%	\$ 18,410	333	5.0%	\$ 3,682	67
A.1.a.v	Bridge Supervisor	1	100.0%	83	\$ 305.95	N/A	N/A	\$ 25,496	20.0%	\$ 5,099	17	80.0%	\$ 20,397	67	0.0%	\$ -	-
<b>STAFF POSITIONS</b>																	
A.1.b	Track Inspector	1	100.0%	1333	\$ 84.42	\$ 112.48	\$ 2,999.47	\$ 115,559	75.0%	\$ 86,670	1,000	25.0%	\$ 28,890	333	0.0%	\$ -	-
A.1.b.i	Track Foreman	1	100.0%	1333	\$ 84.42	\$ 112.48	\$ 2,999.47	\$ 115,559	75.0%	\$ 86,670	1,000	25.0%	\$ 28,890	333	0.0%	\$ -	-
A.1.b.ii	Assistant Foreman	1	100.0%	1333	\$ 82.77	\$ 110.34	\$ 2,942.40	\$ 113,302	75.0%	\$ 84,977	1,000	25.0%	\$ 28,326	333	0.0%	\$ -	-
A.1.b.iii	Track Laborers	3	100.0%	3920	\$ 76.97	\$ 101.76	\$ 3,138.27	\$ 304,861	75.0%	\$ 228,646	2,940	25.0%	\$ 76,215	980	0.0%	\$ -	-
A.1.b.iv	Equipment Operators	1	100.0%	1067	\$ 104.37	\$ 131.65	\$ 2,808.53	\$ 114,137	75.0%	\$ 85,602	800	25.0%	\$ 28,534	267	0.0%	\$ -	-
A.1.b.v	Welder	1	100.0%	1333	\$ 81.40	\$ 108.19	\$ 2,885.07	\$ 111,418	100.0%	\$ 111,418	1,333	0.0%	\$ -	-	0.0%	\$ -	-
A.1.b.vi	Welder Helper	1	100.0%	1333	\$ 76.97	\$ 101.76	\$ 2,713.60	\$ 105,340	100.0%	\$ 105,340	1,333	0.0%	\$ -	-	0.0%	\$ -	-
A.1.b.vii	Laborer (Graffiti/Pump Station)	1	100.0%	1307	\$ 76.97	\$ 101.76	\$ 1,322.88	\$ 101,897	0.0%	\$ -	-	100.0%	\$ 101,897	1,307	0.0%	\$ -	-
A.1.b.viii	Bridge Inspector	1	Part-time	53	\$ 157.16	\$ -	\$ -	\$ 8,382	20.0%	\$ 1,676	11	80.0%	\$ 6,705	43	0.0%	\$ -	-
<b>SUBTOTAL A:</b>								\$ 1,623,512		\$ 1,120,025	12,434		\$ 489,871	5,196		\$ 13,616	133

Note: May 1 to December 31, 2019 (8.0 months)

EXISTING CONTRACTOR B		Needed Portion	EST Hours	2019			2019 VALUE	Share	Rail		Non-Rail		ACTA Operating Budget				
MANAGEMENT POSITIONS	Positions			Hourly RATE	OT RATE	OT VALUE			Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
B.1.a.i	Contract Manager	1	100.0%	750	\$ 148.63	N/A	N/A	\$ 111,469	70.0%	\$ 78,028	525	25.0%	\$ 27,867	188	5.0%	\$ 5,573	38
B.1.a.ii	Track Superintendent	1	100.0%	767	\$ 103.04	N/A	N/A	\$ 78,999	75.0%	\$ 59,249	575	25.0%	\$ 19,750	192	0.0%	\$ -	-
B.1.a.iii	Bridge Supt. / Safety	1	100.0%	750	\$ 109.24	N/A	N/A	\$ 81,930	20.0%	\$ 16,386	150	80.0%	\$ 65,544	600	0.0%	\$ -	-
B.1.a.iv	Office Manager	1	100.0%	783	\$ 59.91	N/A	N/A	\$ 46,930	70.0%	\$ 32,851	548	25.0%	\$ 11,733	196	5.0%	\$ 2,347	39
<b>STAFF POSITIONS</b>																	
B.1.b	Track Inspector	1	100.0%	833	\$ 65.68	\$ 98.53	\$ 5,747.42	\$ 60,485	75.0%	\$ 45,364	625	25.0%	\$ 15,121	208	0.0%	\$ -	-
B.1.b.i	Track Foreman	1	100.0%	833	\$ 64.06	\$ 96.08	\$ 5,604.93	\$ 58,985	75.0%	\$ 44,239	625	25.0%	\$ 14,746	208	0.0%	\$ -	-
B.1.b.ii	Assistant Foreman	1	100.0%	833	\$ 54.83	\$ 82.24	\$ 4,112.09	\$ 49,802	75.0%	\$ 37,351	625	25.0%	\$ 12,450	208	0.0%	\$ -	-
B.1.b.iii	Track Laborers	3	100.0%	2450	\$ 51.57	\$ 77.36	\$ 11,371.35	\$ 137,720	75.0%	\$ 103,290	1,838	25.0%	\$ 34,430	613	0.0%	\$ -	-
B.1.b.iv	Equipment Operators	1	100.0%	833	\$ 81.70	\$ 122.55	\$ 6,127.42	\$ 74,210	75.0%	\$ 55,657	625	25.0%	\$ 18,552	208	0.0%	\$ -	-
B.1.b.v	Welder	1	100.0%	833	\$ 63.51	\$ 95.27	\$ 4,763.51	\$ 57,691	100.0%	\$ 57,691	833	0.0%	\$ -	-	0.0%	\$ -	-
B.1.b.vi	Welder Helper	1	100.0%	833	\$ 51.58	\$ 77.36	\$ 3,868.19	\$ 46,848	100.0%	\$ 46,848	833	0.0%	\$ -	-	0.0%	\$ -	-
B.1.b.vii	Laborer (Graffiti/Pump Station)	1	100.0%	833	\$ 51.57	\$ 77.36	\$ 3,867.81	\$ 46,843	0.0%	\$ -	-	100.0%	\$ 46,843	833	0.0%	\$ -	-
<b>SUBTOTAL B:</b>								\$ 851,912		\$ 576,955	7,803		\$ 267,037	3,454		\$ 7,920	77

Note: January 1 to May 31, 2019 (5.0 months)

<b>TOTAL A + B Labor:</b>	<b>\$ 2,475,424</b>	<b>\$ 1,696,980</b>	<b>20,237</b>	<b>\$ 756,908</b>	<b>8,650</b>	<b>\$ 21,536</b>	<b>210</b>
<b>2019 Original Approved Labor Budget</b>	<b>\$ 2,044,588</b>	<b>\$ 1,384,692</b>	<b>18,726</b>	<b>\$ 640,889</b>	<b>8,290</b>	<b>\$ 19,008</b>	<b>184</b>
<b>Variance</b>	<b>\$ 430,835</b>	<b>\$ 312,288</b>	<b>1,511</b>	<b>\$ 116,019</b>	<b>360</b>	<b>\$ 2,528</b>	<b>26</b>

II. ESTIMATED COST CENTERS FOR 2019

NEW CONTRACTOR A				R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
				Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
A.2.a.	Administrative Burden	(included in FBLR)	\$ -	70.0%	\$ -	25.0%	\$ -	5.0%	\$ -			
A.2.a.i.	Accounting Support (Billing Clerk)	(included in FBLR)	\$ -	70.0%	\$ -	25.0%	\$ -	5.0%	\$ -			
A.2.b.	Pump Station Maintenance		\$ 3,560	0.0%	\$ -	100.0%	\$ 3,560	0.0%	\$ -			
A.2.b.i.	Pump Station Repairs & Supplies		\$ 17,833	0.0%	\$ -	100.0%	\$ 17,833	0.0%	\$ -			
A.2.c.	AEI & Misc. Maint-AAR Unit Count-757 Units @ \$227/Unit		\$ 114,559	0.0%	\$ -	0.0%	\$ -	100.0%	\$ 114,559			
A.2.d.	Rail Flaw Detection (Subcontractor)		\$ 26,667	100.0%	\$ 26,667	0.0%	\$ -	0.0%	\$ -			
A.2.e.	Graffiti Control		\$ 10,893	0.0%	\$ -	100.0%	\$ 10,893	0.0%	\$ -			
A.2.f.	Weed Abatement (Subcontractor)		\$ 15,750	80.0%	\$ 12,600	20.0%	\$ 3,150	0.0%	\$ -			
A.2.g.	Safety Training		\$ 16,000	85.0%	\$ 13,600	15.0%	\$ 2,400	0.0%	\$ -			
A.2.h.	Safety Management		\$ 7,700	85.0%	\$ 6,545	15.0%	\$ 1,155	0.0%	\$ -			
A.2.i.	Vehicles											
A.2.i.i	Contract Manager		\$ 12,288	70.0%	\$ 8,602	25.0%	\$ 3,072	5.0%	\$ 614			
A.2.i.ii	Track Superintendent		\$ 15,480	75.0%	\$ 11,610	25.0%	\$ 3,870	0.0%	\$ -			
A.2.i.iii	Welding Truck		\$ 43,200	100.0%	\$ 43,200	0.0%	\$ -	0.0%	\$ -			
A.2.i.iv	Track Foreman		\$ 15,480	75.0%	\$ 11,610	25.0%	\$ 3,870	0.0%	\$ -			
A.2.i.v	Assistant Track Foreman		\$ 14,040	75.0%	\$ 10,530	25.0%	\$ 3,510	0.0%	\$ -			
A.2.i.vi	Track Inspector		\$ 20,120	75.0%	\$ 15,090	25.0%	\$ 5,030	0.0%	\$ -			
A.2.k.	Bridge Superintendent/Safety Vehicle		\$ 12,288	20.0%	\$ 2,458	80.0%	\$ 9,830	0.0%	\$ -			
A.2.l.	Full Time Equipment		\$ 115,360	80.0%	\$ 92,288	20.0%	\$ 23,072	0.0%	\$ -			
A.2.m.	Maint. Program Rail Grinding - Loram (1/2 of Capital cost, see 3.f.)		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.2.n.	Track Materials / Supplies & Rentals		\$ 175,120	100.0%	\$ 175,120	0.0%	\$ -	0.0%	\$ -			
A.2.o.	Signal Maintenance - AAR Unit Count - 4901 Units @ \$189/Unit		\$ 617,526	100.0%	\$ 617,526	0.0%	\$ -	0.0%	\$ -			
A.2.p.	Ladder / Fence / Traffic Support		\$ 176,750	0.0%	\$ -	100.0%	\$ 176,750	0.0%	\$ -			
A.2.q.	Security (Trench Cameras)		\$ 14,667	70.0%	\$ 10,267	25.0%	\$ 3,667	5.0%	\$ 733			
A.2.r.	Security & Yard/Office Maintenance & Support		\$ 121,590	100.0%	\$ 121,590	0.0%	\$ -	0.0%	\$ -			
A.2.s.	Underwater Bridge Inspection (Every 5 years-last inspection 2018)		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.2.t.	Trench Ditch Cleaning		\$ 45,641	0.0%	\$ -	100.0%	\$ 45,641	0.0%	\$ -			
A.2.v.	Replace Signal Wire on Corridor		\$ 13,333	100.0%	\$ 13,333	0.0%	\$ -	0.0%	\$ -			
A.2.w.	Railroad Reporting & Record Keeping Software System		\$ 11,000	100.0%	\$ 11,000	0.0%	\$ -	0.0%	\$ -			
A.2.x.	Railroad Emergency Drill Exercise		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.2.y.	PTC Support at CP W&E Redondo (UP only unless BNSF also requests data)		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.2.aa.	AEI Readers Upgrade		\$ 15,750	100.0%	\$ 15,750	0.0%	\$ -	0.0%	\$ -			
A.2.bb.	Mobilization		\$ 85,000	100.0%	\$ 85,000	0.0%	\$ -	0.0%	\$ -			
A.2.cc.	Bridge Management Plan		\$ 25,700	20.0%	\$ 5,140	80.0%	\$ 20,560	0.0%	\$ -			
<b>SUBTOTAL A:</b>			\$ 1,763,295		\$ 1,309,525		\$ 337,863		\$ 115,907			

EXISTING CONTRACTOR B				R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
				Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
B.2.a.	Administrative Burden		\$ 32,288	70.0%	\$ 22,601	25.0%	\$ 8,072	5.0%	\$ 1,614			
B.2.a.i.	Accounting Support (Billing Clerk)		\$ 18,750	70.0%	\$ 13,125	25.0%	\$ 4,688	5.0%	\$ 938			
B.2.b.	Pump Station Maintenance		\$ 5,993	0.0%	\$ -	100.0%	\$ 5,993	0.0%	\$ -			
B.2.b.i.	Pump Station Repairs & Supplies		\$ 10,938	0.0%	\$ -	100.0%	\$ 10,938	0.0%	\$ -			
B.2.c.	AEI & Misc. Maint-AAR Unit Count-757 Units @ \$222/Unit		\$ 70,023	0.0%	\$ -	0.0%	\$ -	100.0%	\$ 70,023			
B.2.d.	Rail Flaw Detection		\$ 13,333	100.0%	\$ 13,333	0.0%	\$ -	0.0%	\$ -			
B.2.e.	Graffiti Control		\$ 10,368	0.0%	\$ -	100.0%	\$ 10,368	0.0%	\$ -			
B.2.f.	Weed Abatement		\$ 12,500	80.0%	\$ 10,000	20.0%	\$ 2,500	0.0%	\$ -			
B.2.g.	Safety Training		\$ 10,450	85.0%	\$ 8,883	15.0%	\$ 1,568	0.0%	\$ -			
B.2.h.	Safety Management		\$ 10,775	85.0%	\$ 9,159	15.0%	\$ 1,616	0.0%	\$ -			
B.2.i.	Vehicles											
B.2.i.i	Contract Manager		\$ 11,471	70.0%	\$ 8,030	25.0%	\$ 2,868	5.0%	\$ 574			
B.2.i.ii	Track Superintendent		\$ 16,805	75.0%	\$ 12,604	25.0%	\$ 4,201	0.0%	\$ -			
B.2.i.iii	Welding Truck		\$ 17,810	100.0%	\$ 17,810	0.0%	\$ -	0.0%	\$ -			
B.2.i.iv	Track Foreman		\$ 15,385	75.0%	\$ 11,539	25.0%	\$ 3,846	0.0%	\$ -			
B.2.i.v	Assistant Track Foreman		\$ 15,555	75.0%	\$ 11,666	25.0%	\$ 3,889	0.0%	\$ -			
B.2.i.vi	Track Inspector		\$ 15,430	75.0%	\$ 11,573	25.0%	\$ 3,858	0.0%	\$ -			
B.2.k.	Bridge Superintendent/Safety Vehicle		\$ 10,425	20.0%	\$ 2,085	80.0%	\$ 8,340	0.0%	\$ -			
B.2.l.	Full Time Equipment		\$ 33,825	80.0%	\$ 27,060	20.0%	\$ 6,765	0.0%	\$ -			
B.2.m.	Maint. Program Rail Grinding - Loram (1/2 of Capital cost, see 3.f.)		\$ 83,475	100.0%	\$ 83,475	0.0%	\$ -	0.0%	\$ -			
B.2.n.	Track Materials / Supplies & Rentals		\$ 104,475	100.0%	\$ 104,475	0.0%	\$ -	0.0%	\$ -			
B.2.o.	Signal Maintenance - AAR Unit Count - 4901 Units @ \$222/Unit		\$ 453,343	100.0%	\$ 453,343	0.0%	\$ -	0.0%	\$ -			
B.2.p.	Ladder / Fence / Traffic Support		\$ 69,125	0.0%	\$ -	100.0%	\$ 69,125	0.0%	\$ -			
B.2.q.	Security (Trench Cameras)		\$ 8,750	70.0%	\$ 6,125	25.0%	\$ 2,188	5.0%	\$ 438			
B.2.r.	Security & Yard/Office Maintenance & Support		\$ 75,994	100.0%	\$ 75,994	0.0%	\$ -	0.0%	\$ -			
B.2.s.	Underwater Bridge Inspection (Every 5 years-last inspection 2018)		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.2.t.	Trench Ditch Cleaning		\$ 42,692	0.0%	\$ -	100.0%	\$ 42,692	0.0%	\$ -			
B.2.v.	Replace Signal Wire on Corridor		\$ 8,333	100.0%	\$ 8,333	0.0%	\$ -	0.0%	\$ -			
B.2.w.	Railroad Reporting & Record Keeping Software System		\$ 6,875	100.0%	\$ 6,875	0.0%	\$ -	0.0%	\$ -			
B.2.x.	Railroad Emergency Drill Exercise		\$ 20,000	100.0%	\$ 20,000	0.0%	\$ -	0.0%	\$ -			
B.2.y.	PTC Support at CP W&E Redondo (UP only unless BNSF also requests data)		\$ 2,000	100.0%	\$ 2,000	0.0%	\$ -	0.0%	\$ -			
B.2.aa.	AEI Readers Upgrade		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.2.bb.	Mobilization		\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.2.cc.	Bridge Management Plan		\$ -	20.0%	\$ -	80.0%	\$ -	0.0%	\$ -			
<b>SUBTOTAL B:</b>			\$ 1,207,184		\$ 940,087		\$ 193,512		\$ 73,585			

FBLR = Fully Burden Labor Rate			<b>TOTAL A + B - Operating Expenses:</b>			<b>\$ 531,375</b>			<b>\$ 189,493</b>		
			<b>\$ 2,970,479</b>		<b>\$ 2,249,611</b>		<b>\$ 349,979</b>		<b>\$ 176,605</b>		
			<b>2019 Original Approved Operating Budget:</b>	<b>\$ 2,636,859</b>	<b>\$ 2,110,275</b>	<b>\$ 349,979</b>	<b>\$ 176,605</b>				
			<b>Variance</b>	<b>\$ 333,621</b>	<b>\$ 139,336</b>	<b>\$ 181,396</b>	<b>\$ 12,888</b>				

III. 2019 CAPITAL BUDGET

NEW CONTRACTOR A	2019			R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
A.3.a. Surfacing Unit - 23 Days @ \$3,400/Day	\$ 78,200	0.0%	\$ -	100.0%	\$ 78,200	0.0%	\$ -	0.0%	\$ -			
Surfacing Mobilization	\$ 12,500	0.0%	\$ -	100.0%	\$ 12,500	0.0%	\$ -	0.0%	\$ -			
A.3.c.i. Reballast Program (Labor)	\$ 19,967	0.0%	\$ -	100.0%	\$ 19,967	0.0%	\$ -	0.0%	\$ -			
A.3.c.ii. Reballast Program (Operated Equipment)	\$ 15,625	0.0%	\$ -	100.0%	\$ 15,625	0.0%	\$ -	0.0%	\$ -			
A.3.d. Ballast - 500 Tons @ \$36/Ton	\$ 18,000	0.0%	\$ -	100.0%	\$ 18,000	0.0%	\$ -	0.0%	\$ -			
A.3.f. Capital Program Rail Grinding - Loram (1/2 of Railroad M&O cost, see 2.m.)	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.3.g. Track Reballast	\$ 10,925	0.0%	\$ -	100.0%	\$ 10,925	0.0%	\$ -	0.0%	\$ -			
A.3.h. Rail / Switch Component & Tie Replacement	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.3.o. Pump Station Upgrades	\$ 189,000	0.0%	\$ -	100.0%	\$ 189,000	0.0%	\$ -	0.0%	\$ -			
A.3.r. Trench Emergency Ladder/Stair Study/Repairs	\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000	0.0%	\$ -	0.0%	\$ -			
A.3.w. Rehab Henry Ford Crossing @ CP Dominguez	\$ 388,309	0.0%	\$ -	100.0%	\$ 388,309	0.0%	\$ -	0.0%	\$ -			
A.3.y. Signal Battery Replacement (10 Year Program)	\$ 55,000	0.0%	\$ -	100.0%	\$ 55,000	0.0%	\$ -	0.0%	\$ -			
A.3.aa. Retie Crucero to LB Diamond w/ Concrete Ties	\$ 28,533	0.0%	\$ -	100.0%	\$ 28,533	0.0%	\$ -	0.0%	\$ -			
A.3.gg. Curve Rail Replacement	\$ 270,000	0.0%	\$ -	100.0%	\$ 270,000	0.0%	\$ -	0.0%	\$ -			
A.3.hh. Diamond Replacements - West Thenard	\$ 93,661	0.0%	\$ -	100.0%	\$ 93,661	0.0%	\$ -	0.0%	\$ -			
A.3.ii. Signal Circuit Controllers for Switches	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.3.jj. Retie Various Control Points with 10 Ft. Wood Transition Ties	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
A.3.kk. Upgrade and Refurnish Maintenance Facility	\$ 20,000	0.0%	\$ -	100.0%	\$ 20,000	0.0%	\$ -	0.0%	\$ -			
A.3.ll. Fixed Trench Ladders	\$ 420,000	0.0%	\$ -	100.0%	\$ 420,000	0.0%	\$ -	0.0%	\$ -			
A.3.mm. Misc. Trench Structure Repairs	\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000	0.0%	\$ -	0.0%	\$ -			
A.3.nn. Compton Bridges - Replace Approach and Deck Ties	\$ 250,000	0.0%	\$ -	100.0%	\$ 250,000	0.0%	\$ -	0.0%	\$ -			
A.3.oo. Replacement of M23A Switches	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
<b>SUBTOTAL: A</b>	<b>\$ 1,995,720</b>		<b>\$ -</b>		<b>\$ 1,995,720</b>		<b>\$ -</b>		<b>\$ -</b>			

EXISTING CONTRACTOR B	2019			R.R. M&O - Rail			Res. Acct. Non-Rail			ACTA Operating Budget		
	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	
B.3.a. Surfacing Unit - 23 Days @ \$4,700/Day	\$ 108,100	0.0%	\$ -	100.0%	\$ 108,100	0.0%	\$ -	0.0%	\$ -			
Surfacing Mobilization	\$ 12,500	0.0%	\$ -	100.0%	\$ 12,500	0.0%	\$ -	0.0%	\$ -			
B.3.c.i. Reballast Program (Labor)	\$ 13,300	0.0%	\$ -	100.0%	\$ 13,300	0.0%	\$ -	0.0%	\$ -			
B.3.c.ii. Reballast Program (Operated Equipment)	\$ 15,625	0.0%	\$ -	100.0%	\$ 15,625	0.0%	\$ -	0.0%	\$ -			
B.3.d. Ballast - 500 Tons @ \$36/Ton	\$ 18,000	0.0%	\$ -	100.0%	\$ 18,000	0.0%	\$ -	0.0%	\$ -			
B.3.f. Capital Program Rail Grinding - Loram (1/2 of Railroad M&O cost, see 2.m.)	\$ 83,475	0.0%	\$ -	100.0%	\$ 83,475	0.0%	\$ -	0.0%	\$ -			
B.3.g. Track Reballast	\$ 19,075	0.0%	\$ -	100.0%	\$ 19,075	0.0%	\$ -	0.0%	\$ -			
B.3.h. Rail / Switch Component & Tie Replacement	\$ 253,906	0.0%	\$ -	100.0%	\$ 253,906	0.0%	\$ -	0.0%	\$ -			
B.3.o. Pump Station Upgrades	\$ 21,000	0.0%	\$ -	100.0%	\$ 21,000	0.0%	\$ -	0.0%	\$ -			
B.3.r. Trench Emergency Ladder/Stair Study/Repairs	\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000	0.0%	\$ -	0.0%	\$ -			
B.3.w. Rehab Henry Ford Crossing @ CP Dominguez	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.y. Signal Battery Replacement (10 Year Program)	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.aa. Retie Crucero to LB Diamond w/ Concrete Ties	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.gg. Curve Rail Replacement	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.hh. Diamond Replacements - West Thenard	\$ 462,000	0.0%	\$ -	100.0%	\$ 462,000	0.0%	\$ -	0.0%	\$ -			
B.3.ii. Signal Circuit Controllers for Switches	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.jj. Retie Various Control Points with 10 Ft. Wood Transition Ties	\$ 36,699	0.0%	\$ -	100.0%	\$ 36,699	0.0%	\$ -	0.0%	\$ -			
B.3.kk. Upgrade and Refurnish Maintenance Facility	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.ll. Fixed Trench Ladders	\$ 105,000	0.0%	\$ -	100.0%	\$ 105,000	0.0%	\$ -	0.0%	\$ -			
B.3.mm. Misc. Trench Structure Repairs	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.nn. Compton Bridges - Replace Approach and Deck Ties	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -			
B.3.oo. Replacement of M23A Switches	\$ 52,500	0.0%	\$ -	100.0%	\$ 52,500	0.0%	\$ -	0.0%	\$ -			
<b>SUBTOTAL: B</b>	<b>\$ 1,264,180</b>		<b>\$ -</b>		<b>\$ 1,264,180</b>		<b>\$ -</b>		<b>\$ -</b>			

<b>TOTAL A + B - Capital Budget:</b>	<b>\$ 3,259,900</b>	<b>\$ -</b>	<b>\$ 3,259,900</b>	<b>\$ -</b>
<b>2019 Original Approved Capital Budget:</b>	<b>\$ 3,026,232</b>	<b>\$ -</b>	<b>\$ 3,026,232</b>	<b>\$ -</b>
<b>Variance</b>	<b>\$ 233,668</b>	<b>\$ -</b>	<b>\$ 233,668</b>	<b>\$ -</b>
<b>GRAND TOTAL I, II, III:</b>	<b>\$ 8,705,802</b>	<b>\$ 3,946,591</b>	<b>\$ 4,548,183</b>	<b>\$ 211,028</b>
<b>2019 Original Approved MOW Budget:</b>	<b>\$ 7,707,679</b>	<b>\$ 3,494,967</b>	<b>\$ 4,017,099</b>	<b>\$ 195,613</b>
<b>Variance</b>	<b>\$ 998,124</b>	<b>\$ 451,624</b>	<b>\$ 531,083</b>	<b>\$ 15,416</b>

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>B.2.a ADMINISTRATIVE BURDEN</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Cell Phone Service	Monthly	5	\$ 1,100	\$ 5,500
Telephone Service	Monthly	5	\$ 950	\$ 4,750
Office Supplies	Monthly	5	\$ 1,100	\$ 5,500
Postal Services & Supplies	Monthly	5	\$ 750	\$ 3,750
Ice / Water & Coffee Supplies	Monthly	5	\$ 1,000	\$ 5,000
Dump Fees	Monthly	5	\$ 1,250	\$ 6,250
<b>SUBTOTAL</b>				<b>\$ 30,750</b>
5% MU				\$ 1,538
<b>TOTAL</b>				<b>\$ 32,288</b>

<b>A.2.a ADMINISTRATIVE BURDEN (included in FBLR)</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
<b>TOTAL</b>				<b>\$ -</b>

<b>B.2.a.i ACCOUNTING SUPPORT</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Billing Clerk	Monthly	5	\$ 3,750	\$ 18,750
<b>TOTAL</b>				<b>\$ 18,750</b>

<b>A.2.a.i ACCOUNTING SUPPORT (included in FBLR)</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
<b>TOTAL</b>				<b>\$ -</b>

<b>B.2.b. PUMP STATION MAINTENANCE</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Vehicle	Monthly	5	\$ 2,397 50%	\$ 5,993
<b>TOTAL</b>				<b>\$ 5,993</b>

Note: The vehicle cost is split 50/50 between 2.b. & 2.e.

<b>A.2.b. PUMP STATION MAINTENANCE</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Vehicle	Monthly	8	\$ 890 50%	\$ 3,560
<b>TOTAL</b>				<b>\$ 3,560</b>

Note: The vehicle cost is split 50/50 between 2.b. & 2.e.

<b>B.2.b.i PUMP STATION SUPPLIES &amp; REPAIRS</b>	<b>COST</b>
Repairs to Pumps (Minor repairs & parts)	\$ 6,250
Environmental Supplies (Chemicals for water treatment)	\$ 4,167
<b>SUBTOTAL</b>	<b>\$ 10,417</b>
5% MU	\$ 521
<b>TOTAL</b>	<b>\$ 10,938</b>

<b>A.2.b.i PUMP STATION SUPPLIES &amp; REPAIRS</b>	<b>COST</b>
Repairs to Pumps (Minor repairs & parts)	\$ 10,000
Environmental Supplies (Chemicals for water treatment)	\$ 6,667
<b>SUBTOTAL</b>	<b>\$ 16,667</b>
5% MU - Subcontractor*	\$ 500
10% MU - Materials	\$ 667
<b>TOTAL</b>	<b>\$ 17,833</b>

<b>B.2.c. AEI &amp; OTHER MISC MAINTENANCE - AAR UNIT COUNT</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
AEI Technician 604 Hours			
Vehicle			
Materials			
	757	\$ 222	\$ 70,023
<b>TOTAL</b>			<b>\$ 70,023</b>

<b>A.2.c. AEI &amp; OTHER MISC MAINTENANCE - AAR UNIT COUNT</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
AEI Technician			
Vehicle			
Materials			
	757	\$ 227	\$ 114,559
<b>TOTAL</b>			<b>\$ 114,559</b>

<b>B.2.d RAIL FLAW DETECTION (by Subcontractor)</b>	<b>COST</b>
	\$ 13,333
<b>TOTAL</b>	<b>\$ 13,333</b>

<b>A.2.d RAIL FLAW DETECTION (by Subcontractor)</b>	<b>COST</b>
	\$ 26,667
<b>TOTAL</b>	<b>\$ 26,667</b>

<b>B.2.e GRAFFITI CONTROL</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Vehicle	Monthly	5	\$ 2,397 50%	\$ 5,993
Material Costs *		LS		\$ 4,167
<b>SUBTOTAL</b>				<b>\$ 10,160</b>
5% MU*				\$ 208
<b>TOTAL</b>				<b>\$ 10,368</b>

Note: The vehicle cost is split 50/50 between 2.b. & 2.e.

<b>A.2.e GRAFFITI CONTROL</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	<b>COST</b>
Vehicle	Monthly	8	\$ 890 50%	\$ 3,560
Materials				\$ 6,667
<b>SUBTOTAL</b>				<b>\$ 10,227</b>
10% MU - Materials				\$ 667
<b>TOTAL</b>				<b>\$ 10,893</b>

Note: The vehicle cost is split 50/50 between 2.b. & 2.e.

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>B.2.f WEED ABATEMENT (by Subcontractor)</b>									
									\$ 12,500
<b>TOTAL</b>									<b>\$ 12,500</b>
<b>A.2.f WEED ABATEMENT (by Subcontractor)</b>									
									\$ 15,000
<b>SUBTOTAL</b>									<b>\$ 15,000</b>
<b>5% MU</b>									\$ 750
<b>TOTAL</b>									<b>\$ 15,750</b>
<b>B.2.g SAFETY TRAINING</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
Training (Classes and seminars)		LS							\$ 6,250
Instructor Lodging & Meals	Days	2	\$ 2,000						\$ 4,000
<b>SUBTOTAL</b>									<b>\$ 10,250</b>
<b>5% MU*</b>									\$ 200
<b>TOTAL</b>									<b>\$ 10,450</b>
<b>A.2.g SAFETY TRAINING</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
Training (Classes and seminars)		LS							\$ 10,000
Instructor Lodging & Meals	Days	3	\$ 2,000						\$ 6,000
<b>TOTAL</b>									<b>\$ 16,000</b>
<b>B.2.h SAFETY MANAGEMENT</b>		<b>QTY</b>	<b>RATE</b>						
Safety Supplies & Equipment		LS							\$ 5,000
Drug Testing - Employees		11	\$ 500						\$ 5,500
<b>SUBTOTAL</b>									<b>\$ 10,500</b>
<b>5% MU*</b>									\$ 275
<b>TOTAL</b>									<b>\$ 10,775</b>
<b>A.2.h SAFETY MANAGEMENT</b>		<b>QTY</b>	<b>RATE</b>						
Safety Supplies & Equipment (included in FBLR)									\$ 7,000
Drug Testing - Employees		14	\$ 500						\$ 7,000
<b>SUBTOTAL</b>									<b>\$ 7,000</b>
<b>10% MU - Materials</b>									\$ 700
<b>TOTAL</b>									<b>\$ 7,700</b>
<b>B.2.i VEHICLES</b>	<b>Monthly Rate</b>	<b>Registration</b>	<b>Insurance</b>	<b>Fuel Cost</b>	<b>Monthly Cost</b>	<b>YEARLY TOTAL (5 months)</b>			
2.i.i Contract Manager	\$ 1,400	\$ 85	\$ 100	\$ 600	\$ 2,185	\$ 10,925			
2.i.ii Track Superintendent*	\$ 2,426	\$ 85	\$ 100	\$ 750	\$ 3,361	\$ 16,805			
2.i.iii Welding Truck*	\$ 2,877	\$ 85	\$ 100	\$ 500	\$ 3,562	\$ 17,810			
2.i.iv Track Foreman*	\$ 2,392	\$ 85	\$ 100	\$ 500	\$ 3,077	\$ 15,385			
2.i.v Assistant Track Foreman*	\$ 2,426	\$ 85	\$ 100	\$ 500	\$ 3,111	\$ 15,555			
2.i.vi Track Inspector *	\$ 2,251	\$ 85	\$ 100	\$ 650	\$ 3,086	\$ 15,430			
<b>SUBTOTAL</b>						\$ 91,910			
<b>5% MU (Contract Manager vehicle only)</b>						\$ 546			
<b>TOTAL</b>						<b>\$ 92,456</b>			
*Denotes Hi-Rail Vehicle									
<b>A.2.i VEHICLES</b>					<b>Monthly Cost</b>	<b>YEARLY TOTAL (8 months)</b>			
2.i.i Contract Manager					\$ 1,536	\$ 12,288			
2.i.ii Track Superintendent*					\$ 1,935	\$ 15,480			
2.i.iii Welding Truck*					\$ 5,400	\$ 43,200			
2.i.iv Track Foreman*					\$ 1,935	\$ 15,480			
2.i.v Assistant Track Foreman*					\$ 1,755	\$ 14,040			
2.i.vi Track Inspector *					\$ 2,515	\$ 20,120			
<b>TOTAL</b>						<b>\$ 120,608</b>			
*Denotes Hi-Rail Vehicle									
<b>B.2.k</b>	<b>Monthly Rate</b>	<b>Registration</b>	<b>Insurance</b>	<b>Fuel Cost</b>	<b>Monthly Cost</b>	<b>YEARLY TOTAL</b>			
Bridge Superintendent/Safety Vehicle	\$ 1,400	\$ 85	\$ 100	\$ 500	\$ 2,085	\$ 10,425			
<b>TOTAL</b>						<b>\$ 10,425</b>			
<b>A.2.k</b>					<b>Monthly Cost</b>	<b>YEARLY TOTAL</b>			
Bridge Superintendent/Safety Vehicle					\$ 1,536	\$ 12,288			
<b>TOTAL</b>						<b>\$ 12,288</b>			
<b>B.2.l FULL TIME EQUIPMENT</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
Hi-Rail Grapple/Boom Truck	Monthly	5	\$ 6,765						\$ 33,825
<b>Total</b>									<b>\$ 33,825</b>
<b>A.2.l FULL TIME EQUIPMENT</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
Hi-Rail Grapple/Boom Truck	Monthly	8	\$ 8,280						\$ 66,240
Hi-Rail Bucket Truck	Monthly	8	\$ 1,980						\$ 15,840
Cat 426 Backhoe	Monthly	8	\$ 4,160						\$ 33,280
<b>Total</b>									<b>\$ 115,360</b>
<b>B.2.m MAINTENANCE PROGRAM RAIL GRINDING-LORAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
114 Stone Train	Days	2	\$ 50,000						\$ 100,000
Fuel	Gallons	6,000	\$ 4						\$ 24,000
Pre-Grinding Inspection	Days	1	\$ 15,000						\$ 15,000
Mobilization	LS								\$ 20,000
<b>SUBTOTAL</b>									\$ 159,000
<b>5% MU</b>									\$ 7,950
<b>TOTAL</b>									<b>\$ 166,950</b>
Note: This total is split 50/50 between Railroad M&O 2.m. & Capital 3.f. (\$83,475/each)									
<b>A.2.m MAINTENANCE PROGRAM RAIL GRINDING-LORAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>						
(Once per year see B.2.m.)									
<b>TOTAL</b>									<b>\$ -</b>

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>B.2.n. TRACK MATERIALS / SUPPLIES &amp; RENTALS</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
Equipment Rental	Monthly	5	\$ 3,200	\$	16,000
Program Track Materials	Monthly	5	\$ 10,000	\$	50,000
Miscellaneous Track Materials	Monthly	5	\$ 3,000	\$	15,000
Curve Grease	Monthly	5	\$ 2,000	\$	10,000
Supplies & Consumables	Monthly	5	\$ 1,700	\$	8,500
<b>SUBTOTAL</b>				\$	<b>99,500</b>
<b>5% MU</b>				\$	<b>4,975</b>
<b>TOTAL</b>				\$	<b>104,475</b>

<b>A.2.n. TRACK MATERIALS / SUPPLIES &amp; RENTALS</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
Equipment Rental	Monthly	8	\$ 3,200	\$	25,600
Program Track Materials	Monthly	8	\$ 10,000	\$	80,000
Miscellaneous Track Materials	Monthly	8	\$ 3,000	\$	24,000
Curve Grease	Monthly	8	\$ 2,000	\$	16,000
Supplies & Consumables	Monthly	8	\$ 1,700	\$	13,600
<b>SUBTOTAL</b>				\$	<b>159,200</b>
<b>10% MU - Materials</b>				\$	<b>15,920</b>
<b>TOTAL</b>				\$	<b>175,120</b>

<b>B.2.o. SIGNAL MAINTENANCE - AAR UNIT COUNTS (5 months)</b>	<b>QTY</b>	<b>RATE</b>		
Signal Supervisor 650 Hours				
Signal Engineer 303 Hours				
Test Maintainer 780 Hours				
Signal Maintainers (3) 867 Hours				
Vehicles				
Materials				
	4,901	\$ 222	\$	453,343
<b>TOTAL</b>			\$	<b>453,343</b>

<b>A.2.o. SIGNAL MAINTENANCE - AAR UNIT COUNTS (8 months)</b>	<b>QTY</b>	<b>RATE</b>		
Signal Supervisor				
Signal Engineer				
Test Maintainer				
Signal Maintainers (3)				
Vehicles				
Materials				
	4,901	\$ 189	\$	617,526
<b>TOTAL</b>			\$	<b>617,526</b>

<b>B.2.p. LADDER / FENCE / TRAFFIC SUPPORT (by Subcontractor)</b>		
Ladder Replacement Parts	\$	4,167
Traffic Support	\$	9,167
Fence Replacement/Repair	\$	52,500
<b>SUBTOTAL</b>	\$	<b>65,833</b>
<b>5% MU</b>	\$	<b>3,292</b>
<b>TOTAL</b>	\$	<b>69,125</b>

<b>A.2.p. LADDER / FENCE / TRAFFIC SUPPORT (by Subcontractor)</b>		
Ladder Replacement Parts	\$	6,667
Traffic Support	\$	21,667
Fence Replacement/Repair	\$	140,000
<b>SUBTOTAL</b>	\$	<b>168,333</b>
<b>5% MU</b>	\$	<b>8,417</b>
<b>TOTAL</b>	\$	<b>176,750</b>

<b>B.2.q. SECURITY (TRENCH CAMERAS)</b>		
Wire Replacement	\$	2,083
Motion Detector Replacement Parts	\$	2,083
Camera Replacement Parts	\$	4,167
<b>SUBTOTAL</b>	\$	<b>8,333</b>
<b>5% MU</b>	\$	<b>417</b>
<b>TOTAL</b>	\$	<b>8,750</b>

<b>A.2.q. SECURITY (TRENCH CAMERAS)</b>		
Wire Replacement	\$	3,333
Motion Detector Replacement Parts	\$	3,333
Camera Replacement Parts	\$	6,667
<b>SUBTOTAL</b>	\$	<b>13,333</b>
<b>10% MU - Materials</b>	\$	<b>1,333</b>
<b>TOTAL</b>	\$	<b>14,667</b>

<b>B.2.r. SECURITY &amp; YARD/OFFICE MAINTENANCE &amp; SUPPORT (by Subcontractor)</b>		
Security Guard Services	\$	65,833
Janitorial Services	\$	3,208
HVAC & Building Maintenance (Includes electrical, plumbing, and pest control)	\$	3,333
<b>SUBTOTAL</b>	\$	<b>72,375</b>
<b>5% MU</b>	\$	<b>3,619</b>
<b>TOTAL</b>	\$	<b>75,994</b>

<b>A.2.r. SECURITY &amp; YARD/OFFICE MAINTENANCE &amp; SUPPORT (by Subcontractor)</b>		
Security Guard Services	\$	105,333
Janitorial Services	\$	5,133
HVAC & Building Maintenance (Includes electrical, plumbing, and pest control)	\$	5,333
<b>SUBTOTAL</b>	\$	<b>115,800</b>
<b>5% MU</b>	\$	<b>5,790</b>
<b>TOTAL</b>	\$	<b>121,590</b>

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>B.2.s.</b>	<b>UNDERWATER BRIDGE INSPECTION (EVERY FIVE YEARS - LAST INSPECTION 2018)</b>					
	Subcontractor				\$	-
	<b>TOTAL</b>				\$	-
<b>A.2.s.</b>	<b>UNDERWATER BRIDGE INSPECTION (EVERY FIVE YEARS - LAST INSPECTION 2018)</b>					
	Subcontractor				\$	-
	<b>TOTAL</b>				\$	-
<b>B.2.t.</b>	<b>TRENCH DITCH CLEANING</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
	Assistant Foreman - BBII inside labor	Hours	62.5	\$ 54.83	\$	3,427
	Track Laborer - BBII inside labor	Hours	62.5	\$ 51.57	\$	3,223
	Hi-Rail Vac Truck	Days	13	\$ 2,450	\$	30,625
	Flagging - BBII inside labor	Days	8	\$ 650	\$	5,417
	<b>TOTAL</b>				\$	<b>42,692</b>
<b>A.2.t.</b>	<b>TRENCH DITCH CLEANING</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
	Assistant Foreman - RW inside labor	Hours	100	\$ 82.77	\$	8,277
	Track Laborer - RW inside labor	Hours	100	\$ 76.97	\$	7,697
	Hi-Rail Vac Truck	Days	20	\$ 1,050	\$	21,000
	Flagging - RW inside labor	Days	13	\$ 650	\$	8,667
	<b>TOTAL</b>				\$	<b>45,641</b>
<b>B.2.v.</b>	<b>REPLACE SIGNAL WIRE ON CORRIDOR</b>					
					\$	8,333
	<b>TOTAL</b>				\$	<b>8,333</b>
<b>A.2.v.</b>	<b>REPLACE SIGNAL WIRE ON CORRIDOR</b>					
					\$	13,333
	<b>TOTAL</b>				\$	<b>13,333</b>
<b>B.2.w.</b>	<b>RAILROAD REPORTING &amp; RECORD KEEPING SOFTWARE SYSTEM</b>					
					\$	6,875
	<b>TOTAL</b>				\$	<b>6,875</b>
<b>A.2.w.</b>	<b>RAILROAD REPORTING &amp; RECORD KEEPING SOFTWARE SYSTEM</b>					
					\$	11,000
	<b>TOTAL</b>				\$	<b>11,000</b>
<b>B.2.x.</b>	<b>RAILROAD EMERGENCY DRILL EXERCISE</b>					
					\$	20,000
	<b>TOTAL</b>				\$	<b>20,000</b>
<b>A.2.x.</b>	<b>RAILROAD EMERGENCY DRILL EXERCISE</b>					
					\$	-
	<b>TOTAL</b>				\$	<b>-</b>
<b>B.2.y.</b>	<b>PTC SUPPORT AT CP W&amp;E REDONDO (UPRR inventory replacement)</b>					
					\$	2,000
	<b>TOTAL</b>				\$	<b>2,000</b>
<b>A.2.y.</b>	<b>PTC SUPPORT AT CP W&amp;E REDONDO (UPRR inventory replacement)</b>					
					\$	-
	<b>TOTAL</b>				\$	<b>-</b>
<b>B.2.aa.</b>	<b>AEI READERS UPGRADE</b>					
					\$	-
	<b>TOTAL</b>				\$	<b>-</b>
<b>A.2.aa.</b>	<b>AEI READERS UPGRADE (by Subcontractor)</b>					
					\$	15,000
	<b>SUBTOTAL</b>				\$	<b>15,000</b>
	5% MU*				\$	750
	<b>TOTAL</b>				\$	<b>15,750</b>
<b>B.2.bb.</b>	<b>Mobilization (N/A for BBII)</b>					
					\$	-
	<b>TOTAL</b>				\$	<b>-</b>
<b>A.2.bb.</b>	<b>Mobilization</b>					
	Estimated miscellaneous supportable costs				\$	85,000
	<b>TOTAL</b>				\$	<b>85,000</b>
<b>B.2.cc.</b>	<b>Bridge Management Plan (N/A for BBII)</b>					
					\$	-
	<b>TOTAL</b>				\$	<b>-</b>
<b>A.2.cc.</b>	<b>Bridge Management Plan (by Subcontractor)</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
	Bridge Supervisor	Hours	80	\$ 305.95	\$	24,476
	<b>SUBTOTAL</b>				\$	<b>24,476</b>
	5% MU				\$	1,224
	<b>TOTAL</b>				\$	<b>25,700</b>

**Alameda Corridor - Amended 2019 MOW Budget Detail**

**2019 CAPITAL Program**

<b>B.3.a.</b>	<b>SURFACING PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Surfacing Unit - BBII labor & machinery	Days	23	\$ 4,700	\$	108,100	
	Mobilization		LS		\$	12,500	
	Note: All labor, equipment, and fuel included in daily rate						
	<b>TOTAL</b>				<b>\$</b>	<b>120,600</b>	
<b>A.3.a.</b>	<b>SURFACING PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Surfacing Unit - RW labor & machinery	Days	23	\$ 3,400	\$	78,200	
	Mobilization		LS		\$	12,500	
	Note: All labor, equipment, and fuel included in daily rate						
	<b>TOTAL</b>				<b>\$</b>	<b>90,700</b>	
<b>B.3.c.i.</b>	<b>REBALLAST PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Assistant Foreman - BBII inside labor	Hours	125	\$ 54.83	\$	6,853	
	Track Laborer - BBII inside labor	Hours	125	\$ 51.57	\$	6,446	
	<b>TOTAL</b>				<b>\$</b>	<b>13,300</b>	
<b>A.3.c.i.</b>	<b>REBALLAST PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Assistant Foreman - RW inside labor	Hours	125	\$ 82.77	\$	10,346	
	Track Laborer - RW inside labor	Hours	125	\$ 76.97	\$	9,621	
	<b>TOTAL</b>				<b>\$</b>	<b>19,967</b>	
<b>B.3.c.ii</b>	<b>REBALLAST PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Operated Equipment (includes dump)	Hours	125	\$ 125	\$	15,625	
	<b>TOTAL</b>				<b>\$</b>	<b>15,625</b>	
<b>A.3.c.ii</b>	<b>REBALLAST PROGRAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Operated Equipment (includes dump)	Hours	125	\$ 125	\$	15,625	
	<b>TOTAL</b>				<b>\$</b>	<b>15,625</b>	
<b>B.3.d</b>	<b>BALLAST</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Ballast		500	\$ 36	\$	18,000	
	<b>TOTAL</b>				<b>\$</b>	<b>18,000</b>	
<b>A.3.d</b>	<b>BALLAST</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Ballast		500	\$ 36	\$	18,000	
	<b>TOTAL</b>				<b>\$</b>	<b>18,000</b>	
<b>B.3.f.</b>	<b>CAPITAL PROGRAM RAIL GRINDING-LORAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	114 Stone Train	Days	2	\$ 50,000	\$	100,000	
	Fuel	Gallons	6,000	\$ 4	\$	24,000	
	Pre-Grinding Inspection	Days	1	\$ 15,000	\$	15,000	
	Mobilization		LS		\$	20,000	
	<b>SUBTOTAL</b>				\$	159,000	
	5% MU				\$	7,950	
	<b>TOTAL</b>				<b>\$</b>	<b>166,950</b>	
	Note: This total is split 50/50 between Railroad M&O 2.m. & Capital 3.f. (\$83,475/each)						
<b>A.3.f.</b>	<b>CAPITAL PROGRAM RAIL GRINDING-LORAM</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	(Once per year see B.3.f.)						
	<b>TOTAL</b>				<b>\$</b>	<b>-</b>	
<b>B.3.g.</b>	<b>TRACK REBALLAST</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Equipment Rental*	Days	5	\$ 1,000	\$	5,000	
	Hi-Rail Vac Truck	Days	5	\$ 2,450	\$	12,250	
	Ballast Car Rental*	Days	5	\$ 300	\$	1,500	
	<b>SUBTOTAL</b>				\$	18,750	
	5% MU*				\$	325	
	<b>TOTAL</b>				<b>\$</b>	<b>19,075</b>	
<b>A.3.g.</b>	<b>TRACK REBALLAST</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>			
	Equipment Rental*	Days	5	\$ 1,000	\$	5,000	
	Hi-Rail Vac Truck	Days	5	\$ 1,050	\$	5,250	
	Ballast Car	Days	5	\$ 35	\$	175	
	<b>SUBTOTAL</b>				\$	10,425	
	10% MU*				\$	500	
	<b>TOTAL</b>				<b>\$</b>	<b>10,925</b>	
<b>B.3.h.</b>	<b>RAIL / SWITCH COMPONENT REPLACEMENT (FROGS AND CONCRETE SWITCH TIES)</b>	<b>QTY</b>	<b>RATE</b>				
	#10 RBM Frogs	1	\$ 16,250	\$	16,250		
	#14 RBM Frogs	2	\$ 19,250	\$	38,500		
	#20 RBM Frogs	2	\$ 23,500	\$	47,000		
	Insulators and Tie pads	10,000	\$ 8	\$	80,000		
	#14 Switch Ties (2 L.H. & 2 R. H.)	2	\$ 9,096	\$	18,193		
	#20 Switch Ties (2 L.H. & 2 R. H.)	2	\$ 9,936	\$	19,873		
	Transportation & Tax	LS		\$	22,000		
	<b>SUBTOTAL</b>			\$	241,815		
	5% MU			\$	12,091		
	<b>TOTAL</b>			<b>\$</b>	<b>253,906</b>		
<b>A.3.h.</b>	<b>RAIL / SWITCH COMPONENT REPLACEMENT (FROGS AND CONCRETE SWITCH TIES)</b>						
	2019 materials ordered by BBII						
	<b>TOTAL</b>				<b>\$</b>	<b>-</b>	

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>B.3.o PUMP STATION UPGRADES (by Subcontractor)</b>	
Replace Two Pumps at Greenleaf Pump Station	\$ 13,000
Parts & Materials	\$ 7,000
<b>SUBTOTAL</b>	\$ 20,000
5% MU	\$ 1,000
<b>TOTAL</b>	\$ 21,000

<b>A.3.o PUMP STATION UPGRADES (by Subcontractor)</b>	
Replace Two Pumps at Greenleaf Pump Station	\$ 117,000
Parts & Materials	\$ 63,000
<b>SUBTOTAL</b>	\$ 180,000
5% MU	\$ 9,000
<b>TOTAL</b>	\$ 189,000

<b>B.3.r TRENCH EMERGENCY LADDER/STAIR STUDY/REPAIR (50%) (by Subcontractor)</b>	
	\$ 60,000
<b>SUBTOTAL</b>	\$ 60,000
5% MU	\$ 3,000
<b>TOTAL</b>	\$ 63,000

<b>A.3.r TRENCH EMERGENCY LADDER/STAIR STUDY/REPAIR (50%) (by Subcontractor)</b>	
	\$ 60,000
<b>SUBTOTAL</b>	\$ 60,000
5% MU	\$ 3,000
<b>TOTAL</b>	\$ 63,000

<b>B.3.w. REHAB HENRY FORD CROSSING @ CP DOMINGUEZ</b>	
	\$ -
<b>TOTAL</b>	\$ -

<b>A.3.w. REHAB HENRY FORD CROSSING @ CP DOMINGUEZ</b>	
Carryover from 2018	
Surfacing- outside labor	\$ 13,649
Labor- inside labor	\$ 31,020
Labor - outside labor	\$ 25,850
Welding - inside labor	\$ 10,340
Subject to 10% MU	
Rail, Ties, & Trim	\$ 52,000
Concrete Crossing Panels (custom designed for curve)	\$ 90,000
Rental Equipment	\$ 20,000
Ballast & Fabric	\$ 5,000
Consultants - as needed	\$ 25,000
Paving & Track Subcontractors	\$ 30,000
Traffic Permits & Mitigation	\$ 40,000
Contingency	\$ 10,000
Clean-up & Tie Disposal	\$ 7,500
<b>SUBTOTAL</b>	\$ 360,359
10% MU	\$ 27,950
<b>TOTAL</b>	\$ 388,309

Note: Engineering and Permit Costs (\$40K) included under Section III. Corridor Operating & Other MOW Cost of O&M Budget

<b>B.3.y SIGNAL BATTERY REPLACEMENT (10 YR PROGRAM)</b>	
	\$ -
<b>TOTAL</b>	\$ -

<b>A.3.y SIGNAL BATTERY REPLACEMENT (10 YR PROGRAM)</b>	
	\$ 50,000
<b>SUBTOTAL</b>	\$ 50,000
10% MU	\$ 5,000
<b>TOTAL</b>	\$ 55,000

<b>3.aa. RETIE CRUCERO TO LB DIAMONDS WITH CONCRETE TIES</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	
				\$ -
<b>TOTAL</b>				\$ -

<b>3.aa. RETIE CRUCERO TO LB DIAMONDS WITH CONCRETE TIES</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	
Carryover from 2018				
Track Foreman - RW inside labor	Hours	40	\$ 84.42	\$ 3,377
Track Laborers - RW inside labor	Hours	130	\$ 76.97	\$ 10,006
Equipment Operators - RW inside labor	Hours	80	\$ 104.37	\$ 8,350
Surfacing Unit -RW labor & machinery	Days	2	\$ 3,400.00	\$ 6,800
<b>TOTAL</b>				\$ 28,533

<b>B.3.gg. CURVE RAIL REPLACEMENT</b>	<b>MEASUREMENT</b>	<b>QTY</b>	<b>RATE</b>	
				\$ -
<b>TOTAL</b>				\$ -

<b>A.3.gg. CURVE RAIL REPLACEMENT</b>	<b>MEASUREMENT</b>	<b>QTY</b>	<b>RATE</b>	
Labor, Equipment, & Materials	Linear Feet	6,000	\$ 45	\$ 270,000
<b>TOTAL</b>				\$ 270,000

<b>B.3.hh. DIAMOND REPLACEMENTS - WEST THENARD</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>	
Diamonds - Material		3	\$ 146,667	\$ 440,000
<b>SUBTOTAL</b>				\$ 440,000
5% MU				\$ 22,000
<b>TOTAL</b>				\$ 462,000

**Alameda Corridor - Amended 2019 MOW Budget Detail**

<b>A.3.hh. DIAMOND REPLACEMENTS - WEST THENARD</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
Diamonds - Material (by BBII)				\$	-
Labor & Equipment - 2019 Work					
Track Foreman - RW inside labor	Hours	100	\$ 84.42	\$	8,442
Track Laborers - RW inside labor	Hours	600	\$ 76.97	\$	46,182
Equipment Operators - RW inside labor	Hours	100	\$ 104.37	\$	10,437
Equipment	LS	1	\$ 15,000	\$	15,000
Surfacing Unit - RW labor & machinery	Days	4	\$ 3,400	\$	13,600
<b>TOTAL</b>				\$	<b>93,661</b>
<b>B.3.ii. SIGNAL CIRCUIT CONTROLLERS FOR SWITCHES (In Cycle)</b>				\$	-
<b>TOTAL</b>				\$	-
<b>A.3.ii. SIGNAL CIRCUIT CONTROLLERS FOR SWITCHES (In Cycle)</b>				\$	-
<b>TOTAL</b>				\$	-
<b>B.3.jj. RETIE VARIOUS CONTROL POINTS WITH 10 FT. WOOD TRANSITION TIES</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
Clips, Pads, & Insulators*		LS		\$	5,000
Track Foreman - BBII inside labor	Hours	40	\$ 64.06	\$	2,562
Track Laborers - BBII inside labor	Hours	160	\$ 51.57	\$	8,251
Equipment Operators - BBII inside labor	Hours	80	\$ 81.70	\$	6,536
Surfacing Unit - BBII outside labor & machinery	Days	3	\$ 4,700	\$	14,100
<b>SUBTOTAL</b>				\$	36,449
<b>5% MU*</b>				\$	250
<b>TOTAL</b>				\$	<b>36,699</b>
<b>A.3.jj. RETIE VARIOUS CONTROL POINTS WITH 10 FT. WOOD TRANSITION TIES</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		
				\$	-
<b>TOTAL</b>				\$	-
<b>B.3.kk. UPGRADE AND REFURNISH MAINTENANCE FACILITY</b>				\$	-
N/A for BBII				\$	-
<b>TOTAL</b>				\$	-
<b>A.3.kk. UPGRADE AND REFURNISH MAINTENANCE FACILITY</b>				\$	20,000
<b>TOTAL</b>				\$	<b>20,000</b>
<b>B.3.ll. FIXED TRENCH LADDERS (by Subcontractor)</b>		<b>QTY</b>	<b>RATE</b>		
Subcontractor Labor, Equipment, & Materials		1	\$ 100,000	\$	100,000
<b>SUBTOTAL</b>				\$	100,000
<b>5% MU</b>				\$	5,000
<b>TOTAL</b>				\$	<b>105,000</b>
<i>Note: (Nine fixed ladders required. If prototype is successful, four additional will be completed in 2019.)</i>					
<b>A.3.ii. FIXED TRENCH LADDERS (by Subcontractor)</b>		<b>QTY</b>	<b>RATE</b>		
Subcontractor Labor, Equipment, & Materials		4	\$ 100,000	\$	400,000
<b>SUBTOTAL</b>				\$	400,000
<b>5% MU</b>				\$	20,000
<b>TOTAL</b>				\$	<b>420,000</b>
<b>B.3.mm. MISC. TRENCH STRUCTURE REPAIRS (by Subcontractor)</b>				\$	-
Labor, Equipment, & Materials				\$	-
<b>TOTAL</b>				\$	-
<b>A.3.mm. MISC. TRENCH STRUCTURE REPAIRS (by Subcontractor)</b>				\$	60,000
Labor, Equipment, & Materials				\$	60,000
<b>SUBTOTAL</b>				\$	60,000
<b>5% MU</b>				\$	3,000
<b>TOTAL</b>				\$	<b>63,000</b>
<b>B.3.nn. COMPTON BRIDES - REPLACE APPROACH, AND DECK TIES</b>				\$	-
<b>TOTAL</b>				\$	-
<b>A.3.nn. COMPTON BRIDES - REPLACE APPROACH, AND DECK TIES</b>		<b>QTY</b>	<b>RATE</b>		
Labor, Equipment, & Materials		500	\$ 500	\$	250,000
<b>TOTAL</b>				\$	<b>250,000</b>
<b>B.3.oo. REPLACEMENT OF M23A SWITCHES</b>		<b>QTY</b>	<b>RATE</b>		
Materials		2	\$ 25,000	\$	50,000
<b>SUBTOTAL</b>				\$	50,000
<b>5% MU</b>				\$	2,500
<b>TOTAL</b>				\$	<b>52,500</b>
<b>A.3.oo. REPLACEMENT OF M23A SWITCHES</b>				\$	-
<b>TOTAL</b>				\$	-