

# Attachment 3 to Exhibit B - 2017 Final Approved Alameda Corridor Operations & Maintenance Budget

		Calendar Year 2017						Calendar Year 2016					
		Basis of Apportionment		R.R. M & O Rail	Reserve Account Non-	ACTA Operating	Total	R.R. M & O Rail	Reserve Account Non-	ACTA Operating	Total		
		GR Ton MI	Train MI	Cost (A)	Rail Cost (B)	Budget Cost (C)		Cost (A)	Rail Cost (B)	Budget Cost (C)			
<b>I.</b>	<b>Maintenance of Way Contractor's Costs:</b>												
1.a.i	Contract Manager	GTM	TM	\$ 158,760	\$ 56,700	\$ 11,340	\$ 226,800	\$ 156,240	\$ 55,800	\$ 11,160	\$ 223,200		
1.a.ii	Track Superintendent	GTM		131,100	43,700	-	174,800	126,960	42,320	-	169,280		
1.a.iii	Bridge Supt. / Safety	GTM		36,540	146,160	-	182,700	36,000	144,000	-	180,000		
1.a.iv	Office Manager		TM	69,748	24,910	4,982	99,640	67,774	24,205	4,841	96,820		
1.b.	Track Inspector	GTM		100,279	33,426	-	133,705	97,793	32,598	-	130,390		
1.b.i	Track Foreman	GTM		97,793	32,598	-	130,390	95,804	31,935	-	127,738		
1.b.ii	Assistant Foreman	GTM		82,568	27,523	-	110,090	80,933	26,978	-	107,910		
1.b.iii	Track Laborers	GTM		228,328	76,109	-	304,437	223,521	74,507	-	298,028		
1.b.iv	Equipment Operators		TM	123,034	41,011	-	164,045	120,990	40,330	-	161,320		
1.b.v	Welder	GTM		127,530	-	-	127,530	125,350	-	-	125,350		
1.b.vi	Welder Helper	GTM		98,645	-	-	98,645	95,920	-	-	95,920		
1b.vii	Laborer (Graffiti/Pump Station)			-	103,550	-	103,550	-	-	-	-		
2.a.	Administrative Burden		TM	49,392	17,640	3,528	70,560	48,510	17,325	3,465	69,300		
2.a.i	Accounting Support		TM	17,500	6,250	1,250	25,000	17,500	6,250	1,250	25,000		
2.b.	Pump Station Maintenance			-	12,450	-	12,450	-	61,330	-	61,330		
2.b.i	Pump Station Repairs & Supplies			-	25,500	-	25,500	-	25,500	-	25,500		
2.c.	AEI & Misc Maint-AAR Unit Count-757 units@\$206/unit			-	-	155,942	155,942	-	-	172,000	172,000		
2.d.	Rail Flaw Detection (Contract)		GTM	30,000	-	-	30,000	25,000	-	-	25,000		
2.e.	Graffiti Control		TM	-	19,950	-	19,950	-	68,830	-	68,830		
2.f.	Weed Abatement (Contract)		TM	20,000	5,000	-	25,000	24,000	6,000	-	30,000		
2.g.	Safety Training		TM	21,250	3,750	-	25,000	19,550	3,450	-	23,000		
2.h.	Safety Management		TM	15,725	2,775	-	18,500	18,275	3,225	-	21,500		
2.i.	Vehicles		GTM	167,210	41,891	990	210,091	161,990	40,415	1,254	203,658		
2.k.	Bridge Supt./Safety Vehicle		GTM	3,960	15,840	-	19,800	4,320	17,280	-	21,600		
2.l.	Hi-Rail Boom Truck		GTM	57,600	14,400	-	72,000	52,800	13,200	-	66,000		
2.m	Maintenance Program Rail Grinding - Loram (1/2 of Capital cost, see 3.L)			83,475	-	-	83,475	97,125	-	-	97,125		
2.n	Track Materials / Supplies & Rentals		GTM	239,400	-	-	239,400	277,200	-	-	277,200		
2.o.	Signal Maintenance - AAR Unit Count - 4901 units @\$206/unit		TM	1,009,606	-	-	1,009,606	960,000	-	-	960,000		
2.p	Ladder / Fence / Traffic Support			-	36,750	-	36,750	-	30,000	-	30,000		
2.q	Security (Trench Cameras)		GTM	14,700	5,250	1,050	21,000	14,000	5,000	1,000	20,000		
2.r.	Security & Yard Office Maintenance Support		TM	162,750	-	-	162,750	151,200	-	-	151,200		
2.t.	Trench Ditch Cleaning			-	113,820	-	113,820	-	92,100	-	92,100		
2.v.	Replace Signal Wire on Corridor		TM	20,000	-	-	20,000	20,000	-	-	20,000		
2.w.	Railroad Reporting & Record Keeping Software System		TM	16,500	-	-	16,500	-	-	-	-		
2.x.	Railroad Emergency Drill Exercise		TM	20,000	-	-	20,000	20,000	-	-	20,000		
	<b>Subtotal MOW Contractor's Costs</b>			<b>\$3,203,391</b>	<b>\$906,952</b>	<b>\$179,082</b>	<b>\$4,289,426</b>	<b>\$3,138,753</b>	<b>\$862,576</b>	<b>\$194,970</b>	<b>\$4,196,299</b>		
	<b>RR M&amp;O Contingency, not in MOW Budget but included in O&amp;M Budget for 2016</b>							<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 100,000</b>		
<b>II.</b>	<b>Annual Capital Cost</b>												
3.a.	Surfacing Unit (days)			\$ -	\$ 198,000	\$ -	\$ 198,000	\$ -	\$ 191,250	\$ -	\$ 191,250		
	Surfacing Mobilization			-	25,000	-	25,000	-	25,000	-	25,000		
3.e.i	Reballast Program (Track Foreman)			-	14,760	-	14,760	-	14,400	-	14,400		
3.e.ii	Reballast Program (Track Laborers)			-	51,360	-	51,360	-	49,920	-	49,920		
3.d.	Ballast (1750 tons)			-	63,000	-	63,000	-	72,000	-	72,000		
3.f.	Capital Program Rail Grinding - Loram			-	83,475	-	83,475	-	97,125	-	97,125		
3.g.	Track Reballast			-	71,800	-	71,800	-	83,738	-	83,738		
3.h.	Rail / Switch Component & Tie Replacement			-	273,611	-	273,611	-	155,625	-	155,625		
3.o.	Pump Station Upgrades			-	232,050	-	232,050	-	200,000	-	200,000		
3.r.	Trench Emergency Ladder/Stair Study/Repairs			-	225,000	-	225,000	-	250,000	-	250,000		
3.u.	Replace Long Beach Crossing Diamonds			-	-	-	-	-	338,225	-	338,225		
3.v	Replace Air Conditioners in Signal Huts			-	-	-	-	-	15,000	-	15,000		
3.w.	Rehab Henry Ford Crossing @ CP Dominguez			-	411,675	-	411,675	-	196,600	-	196,600		
3.x.	Upgrade Signals at CP Dominguez			-	-	-	-	-	26,250	-	26,250		
3.y.	Signal Battery Replacement			-	50,000	-	50,000	-	-	-	-		
3.z.	Crossing HXP Replacement Cards			-	25,000	-	25,000	-	-	-	-		
3.aa.	Retie Crucero to LB Diamond w/ Concrete Ties			-	65,528	-	65,528	-	-	-	-		
3.bb.	Replace Hot Box Detector @ MP 12.90			-	123,000	-	123,000	-	-	-	-		
3.dd.	Santa Fe Ave High Security Fence			-	57,750	-	57,750	-	-	-	-		
3.ee.	Crash Barrier @Manville Road/SR91 Off-ramp			-	54,895	-	54,895	-	-	-	-		
	<b>Subtotal Capital Expenditures</b>			<b>\$0</b>	<b>\$2,025,904</b>	<b>\$0</b>	<b>\$2,025,904</b>	<b>\$0</b>	<b>\$1,715,133</b>	<b>\$0</b>	<b>\$ 1,715,133</b>		
	<b>Subtotal of I &amp; II</b>			<b>\$3,203,391</b>	<b>\$2,932,856</b>	<b>\$179,082</b>	<b>\$6,315,329</b>	<b>\$3,138,753</b>	<b>\$2,577,708</b>	<b>\$194,970</b>	<b>\$5,911,431</b>		
	<b>Capital Contingency, not in MOW Budget but included in O&amp;M Budget for 2016</b>							<b>\$ -</b>	<b>\$ 100,000</b>	<b>\$ -</b>	<b>\$ 100,000</b>		
	<b>New multiple use contingency for 2017, not in 2017 MOW Budget but included in 2017 O&amp;M</b>						<b>\$200,000</b>						
<b>III.</b>	<b>Corridor Operating &amp; Other MOW Cost</b>												
	Insurance (annual amount) (D)		TM	\$ 1,401,283	\$ -	\$ -	\$ 1,401,283	\$ 1,591,000	\$ -	\$ -	\$ 1,591,000		
	Dispatching (1)		TM	612,060	-	-	612,060	606,000	-	-	606,000		
	Security - Labor (2)		TM	1,243,840	-	-	1,243,840	1,196,000	-	-	1,196,000		
	Security - Equipment (3)		TM	260,100	-	-	260,100	255,000	-	-	255,000		
	Utilities (5)		TM	318,150	-	-	318,150	303,000	-	-	303,000		
	Storm Water Discharge Permits, Water Testing & Support Services (4)		TM	30,000	-	-	30,000	30,000	-	-	30,000		
	Provide 3rd Party Security Monitoring & Support Services		TM	2,500	-	-	2,500	2,500	-	-	2,500		
	ADASHI Plum Monitoring Software		TM	1,250	-	-	1,250	1,000	-	-	1,000		
	M&O or Capital Reserve Support Service (6)		TM	350,000	120,920	-	470,920	411,000	167,000	-	578,000		
	Communications Network and Alarm/Phone Upgrades and Renewals		TM	27,000	-	-	27,000	21,000	-	-	21,000		
	<b>Subtotal Operating &amp; Other MOW</b>			<b>\$4,246,183</b>	<b>\$120,920</b>	<b>\$0</b>	<b>\$4,367,103</b>	<b>\$4,416,500</b>	<b>\$167,000</b>	<b>\$0</b>	<b>\$4,583,500</b>		
	<b>Total of I, II, &amp; III</b>			<b>\$7,449,575</b>	<b>\$3,053,776</b>	<b>\$179,082</b>	<b>\$10,882,432</b>	<b>\$7,655,253</b>	<b>\$2,844,708</b>	<b>\$194,970</b>	<b>\$10,694,931</b>		

(1,2,3) These costs are for memorandum purposes only and are internal Railroads costs not paid by ACTA

(5) 2016 Budget + 5%

(A) Costs paid by Railroads prorated among carriers

(D) Only an Estimate based on 2016 +3%

(4) Annual fees

(6) Split based on work estimates

(B) Costs paid by ACTA from the Reserve Account

(C) Costs paid by ACTA

Annual budget based on existing Corridor Maintenance Contractor's estimate. Contract expires April 14, 2017. Budget does not represent commitment to existing Contractor. Estimate is subject to revision based on new contractor selection.

## Attachment 2 to Exhibit B - Alameda Corridor - Final Approved 2017 Maintenance of Way Budget

(Capital Included)

**LABOR POSITIONS**

MANAGEMENT POSITIONS	Positions	Needed Portion	EST Hours	Hourly RATE	OT RATE	OT VALUE	2017 VALUE	R.R. M & O		Reserve Account		ACTA Operating Budget		2016		2016			
								Share	Rail Cost	Hours	Share	Non-Rail Cost	Hours	Share	Cost	Hours	Approved Budget	Projected Cost	
1.a.i Contract Manager	1	100.0%	1800	\$ 126.00	N/A	N/A	\$ 226,800	70.0%	\$ 158,760	1,260	25.0%	\$ 56,700	450	5.0%	\$ 11,340	90	\$ 223,200	\$ 223,200	
1.a.ii Track Superintendent	1	100.0%	1840	\$ 95.00	N/A	N/A	\$ 174,800	75.0%	\$ 131,100	1,380	25.0%	\$ 45,700	460	0.0%	\$ -	-	\$ 169,280	\$ 169,280	
1.a.iii Bridge Supt. / Safety	1	100.0%	1800	\$ 101.50	N/A	N/A	\$ 182,700	20.0%	\$ 36,540	360	80.0%	\$ 146,160	1,440	0.0%	\$ -	-	\$ 180,000	\$ 180,000	
1.a.iv Office Manager	1	100.0%	1880	\$ 53.00	N/A	N/A	\$ 99,640	70.0%	\$ 69,748	1,316	25.0%	\$ 24,910	470	5.0%	\$ 4,982	94	\$ 96,820	\$ 96,820	
<b>STAFF POSITIONS</b>																			
1.b Track Inspector	1	100.0%	2000	\$ 60.50	\$ 90.75	\$ 12,705.00	\$ 133,705	75.0%	\$ 100,279	1,500	25.0%	\$ 33,426	500	0.0%	\$ -	-	\$ 130,390	\$ 130,390	
1.b.i Track Foreman	1	100.0%	2000	\$ 59.00	\$ 88.50	\$ 12,390.00	\$ 130,390	75.0%	\$ 97,793	1,500	25.0%	\$ 32,598	500	0.0%	\$ -	-	\$ 127,738	\$ 127,738	
1.b.ii Assistant Foreman	1	100.0%	2000	\$ 50.50	\$ 75.75	\$ 9,090.00	\$ 110,090	75.0%	\$ 82,568	1,500	25.0%	\$ 27,523	500	0.0%	\$ -	-	\$ 107,910	\$ 107,910	
1.b.iii Track Laborers	3	100.0%	5880	\$ 47.50	\$ 71.25	\$ 25,137.00	\$ 304,437	75.0%	\$ 228,328	4,410	25.0%	\$ 76,109	1,470	0.0%	\$ -	-	\$ 298,028	\$ 298,028	
1.b.iv Equipment Operators	1	100.0%	2000	\$ 75.25	\$ 112.88	\$ 13,545.00	\$ 164,045	75.0%	\$ 123,034	1,500	25.0%	\$ 41,011	500	0.0%	\$ -	-	\$ 161,320	\$ 161,320	
1.b.v Welder	1	100.0%	2000	\$ 58.50	\$ 87.75	\$ 10,530.00	\$ 127,530	100.0%	\$ 127,530	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 125,500	\$ 125,500	
1.b.vi Welder Helper	1	100.0%	2000	\$ 45.25	\$ 67.88	\$ 8,145.00	\$ 98,645	100.0%	\$ 98,645	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 95,920	\$ 95,920	
1.b.vii Laborer (Graffiti/Pump Station)	1	100.0%	2000	\$ 47.50	\$ 71.25	\$ 8,550.00	\$ 103,550	0.0%	\$ -	-	100.0%	\$ 103,550	2,000	0.0%	\$ -	-	\$ -	\$ -	
<b>SUBTOTAL:</b>							\$ 1,856,332		\$ 1,254,323	18,726		\$ 585,687	8,290		\$ 16,322	184	\$ 1,715,956	\$ 1,715,956	
Note: Track Inspector & Track Foreman OT based on 7%; Assistant Foreman, Track Laborers, Equipment Operator, Welder, Welder Helper OT based on 6%.							\$ 1,715,956		\$ 1,227,283	18,726		\$ 472,671	8,290		\$ 16,001				

**ESTIMATED COST CENTERS FOR 2017**

2.a Administrative Burden	*see attachment	N/A	N/A	\$ 70,560	70.0%	\$ 49,392	25.0%	\$ 17,640	5.0%	\$ 3,528		\$ 69,300	\$ 69,300		
2.a.i Accounting Support				\$ 25,000	70.0%	\$ 17,500	25.0%	\$ 6,250	5.0%	\$ 1,250		\$ 25,000	\$ 25,000		
2.b Pump Station Maintenance	*see attachment	N/A	N/A	\$ 12,450	0.0%	\$ -	100.0%	\$ 12,450	0.0%	\$ -		\$ 61,300	\$ 61,300		
2.b.i Pump Station Repairs & Supplies	*see attachment			\$ 25,500	0.0%	\$ -	100.0%	\$ 25,500	0.0%	\$ -		\$ 25,500	\$ 25,500		
2.c AEI & Misc Maint-AAR Unit Count-757 units @\$206/unit	*see attachment	N/A	N/A	\$ 155,942	0.0%	\$ -	0.0%	\$ -	100.0%	\$ 155,942		\$ 172,000	\$ 172,000		
2.c.i Rail Flaw Detection (Contract)				\$ 30,000	100.0%	\$ 30,000	0.0%	\$ -	0.0%	\$ -		\$ 25,000	\$ 25,000		
2.d Graffiti Control	*see attachment	N/A	N/A	\$ 19,950	0.0%	\$ -	100.0%	\$ 19,950	0.0%	\$ -		\$ 68,830	\$ 68,830		
2.f Weed Abatement (Contract)		N/A	N/A	\$ 25,000	80.0%	\$ 20,000	20.0%	\$ 5,000	0.0%	\$ -		\$ 30,000	\$ 30,000		
2.g Safety Training	*see attachment	N/A	N/A	\$ 25,000	85.0%	\$ 21,250	15.0%	\$ 3,750	0.0%	\$ -		\$ 23,000	\$ 23,000		
2.h Safety Management	*see attachment	N/A	N/A	\$ 18,500	85.0%	\$ 15,725	15.0%	\$ 2,775	0.0%	\$ -		\$ 21,500	\$ 21,500		
2.i Vehicles	*see attachment	N/A	N/A									\$ -	\$ -		
2.i.i Contract Manager				\$ 19,795	70.0%	\$ 13,856	25.0%	\$ 4,949	5.0%	\$ 990		\$ 25,074	\$ 25,074		
2.i.ii Track Superintendent				\$ 39,384	75.0%	\$ 29,538	25.0%	\$ 9,846	0.0%	\$ -		\$ 37,200	\$ 37,200		
2.i.iii Welding Truck				\$ 42,528	100.0%	\$ 42,528	0.0%	\$ -	0.0%	\$ -		\$ 42,000	\$ 42,000		
2.i.iv Track Foreman				\$ 36,672	75.0%	\$ 27,504	25.0%	\$ 9,168	0.0%	\$ -		\$ 35,304	\$ 35,000		
2.i.v Assistant Track Foreman				\$ 36,804	75.0%	\$ 27,603	25.0%	\$ 9,201	0.0%	\$ -		\$ 30,480	\$ 30,480		
2.i.vi Track Inspector				\$ 34,908	75.0%	\$ 26,181	25.0%	\$ 8,727	0.0%	\$ -		\$ 33,600	\$ 33,600		
2.k Bridge Supt./Safety Vehicle	*see attachment	12	\$ 1,650	\$ 19,800	20.0%	\$ 3,960	80.0%	\$ 15,840	0.0%	\$ -		\$ 21,600	\$ 21,600		
2.l Hi-Rail Boom Truck	*see attachment	12	\$ 6,000	\$ 72,000	80.0%	\$ 57,600	20.0%	\$ 14,400	0.0%	\$ -		\$ 66,000	\$ 66,000		
2.m Maint. Program Rail Grinding-Loram / Sub Contractor	*see attachment			\$ 83,475	100.0%	\$ 83,475	0.0%	\$ -	0.0%	\$ -		\$ 97,125	\$ 97,125		
2.n Track Materials / Supplies & Rentals	*see attachment	N/A	N/A	\$ 239,400	100.0%	\$ 239,400	0.0%	\$ -	0.0%	\$ -		\$ 277,200	\$ 277,200		
2.o Signal Maintenance - AAR Unit Count - 4901 units @\$206/unit	*see attachment			\$ 1,009,606	100.0%	\$ 1,009,606	0.0%	\$ -	0.0%	\$ -		\$ 960,000	\$ 960,000		
2.p Ladder / Fence / Traffic Support	*see attachment	N/A	N/A	\$ 36,750	0.0%	\$ -	100.0%	\$ 36,750	0.0%	\$ -		\$ 30,000	\$ 30,000		
2.q Security (Trench Cameras)	*see attachment			\$ 21,000	70.0%	\$ 14,700	25.0%	\$ 5,250	5.0%	\$ 1,050		\$ 20,000	\$ 20,000		
2.r Security & Yard Office Maintenance Support	*see attachment			\$ 162,750	100.0%	\$ 162,750	0.0%	\$ -	0.0%	\$ -		\$ 151,200	\$ 151,200		
2.t Trench Ditch Cleaning	*see attachment			\$ 113,820	0.0%	\$ -	100.0%	\$ 113,820.00	0.0%	\$ -		\$ 92,100	\$ 92,100		
2.v Replace Signal Wire on Corridor				\$ 20,000	100.0%	\$ 20,000	0.0%	\$ -	0.0%	\$ -		\$ 20,000	\$ 20,000		
2.w Railroad Reporting & Record Keeping Software System				\$ 16,500	100.0%	\$ 16,500	0.0%	\$ -	0.0%	\$ -		\$ -	\$ -		
2.x Railroad Emergency Drill Exercise				\$ 20,000	100.0%	\$ 20,000	0.0%	\$ -	0.0%	\$ -		\$ 20,000	\$ 15,000		
<b>SUBTOTAL:</b>							\$ 2,433,094		\$ 1,949,068		\$ 321,266		\$ 162,760	\$ 2,480,343	\$ 2,475,009
TOTAL Operating Expenses:							\$ 4,289,426		\$ 3,203,391		\$ 906,952		\$ 179,082	\$ 4,196,299	\$ 4,190,965
							\$ 4,196,299		\$ 3,138,753		\$ 862,576		\$ 194,970		

**2017 CAPITAL BUDGET**

2017 CAPITAL BUDGET	Est. Amnt.	RATE	2017		2017		2017		2017		2017		2017		2017		2017	
			Share	Rail Cost	Hours	Share	Non-Rail Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	Share	Cost	Hours	Share
3.a Surfacing Unit (days)	*see attachment	45	\$ 4,400.00	N/A	N/A	\$ 198,000	0.0%	\$ -	100.0%	\$ 198,000	0.0%	\$ -		\$ 191,250	\$ 191,250			
3.a.i Surfacing Mobilization		1	\$ 25,000.00			\$ 25,000	0.0%	\$ -	100.0%	\$ 25,000	0.0%	\$ -		\$ 25,000	\$ 25,000			
3.c.i Reballast Program (Track Foreman)	*see attach.	240	\$ 61.50			\$ 14,760	0.0%	\$ -	100.0%	\$ 14,760	0.0%	\$ -		\$ 14,400	\$ 14,400			
3.c.ii Reballast Program (Track Laborers)	*see attach.	960	\$ 53.50			\$ 51,360	0.0%	\$ -	100.0%	\$ 51,360	0.0%	\$ -		\$ 49,920	\$ 49,920			
3.d Ballast (tons)		1750	\$ 36.00	N/A	N/A	\$ 63,000	0.0%	\$ -	100.0%	\$ 63,000	0.0%	\$ -		\$ 72,000	\$ 50,000			
3.f Capital Program Rail Grinding-Loram	*see attachment			N/A	N/A	\$ 83,475	0.0%	\$ -	100.0%	\$ 83,475	0.0%	\$ -		\$ 97,125	\$ 60,000			
3.g Track Reballast	*see attachment			N/A	N/A	\$ 71,800	0.0%	\$ -	100.0%	\$ 71,800	0.0%	\$ -		\$ 83,738	\$ 70,000			
3.h Rail / Switch Component & Tie Replacement	*see attachment					\$ 273,611	0.0%	\$ -	100.0%	\$ 273,611	0.0%	\$ -		\$ 155,625	\$ 155,625			
3.o Pump Station Upgrades	*see attachment					\$ 232,050	0.0%	\$ -	100.0%	\$ 232,050	0.0%	\$ -		\$ 200,000	\$ 120,000			
3.r Trench Emergency Ladder/Stair Study/Repairs						\$ 225,000	0.0%	\$ -	100.0%	\$ 225,000	0.0%	\$ -		\$ 250,000	\$ 25,000			
3.u Replace Long Beach Crossing Diamonds						\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -		\$ 338,225	\$ 338,225			
3.v Replace Air Conditioners in Signal Huts						\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -		\$ 15,000	\$ 13,000			
3.w Rehab Henry Ford Crossing @ CP Dominguez	*see attachment					\$ 411,675	0.0%	\$ -	100.0%	\$ 411,675	0.0%	\$ -		\$ 196,600	\$ -			
3.x Upgrade Signals at CP Dominguez						\$ 0.0%	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -		\$ 26,250	\$ 26,250			
3.y Signal Battery Replacement						\$ 50,000	0.0%	\$ -	100.0%	\$ 50,000	0.0%	\$ -		\$ -	\$ -			
3.z Crossing HXP Replacement Cards						\$ 25,000	0.0%	\$ -	100.0%	\$ 25,000	0.0%	\$ -		\$ -	\$ -			
3.aa Retie Crucero to LB Diamond w/ Concrete Ties	*see attachment					\$ 65,528	0.0%	\$ -	100.0%	\$ 65,528	0.0%	\$ -		\$ -	\$ -			
3.bb Replace Hot Box Detector @ MP 12.90	*see attachment					\$ 123,000	0.0%	\$ -	100.0%	\$ 123,000	0.0%	\$ -		\$ -	\$ -			
3.dd Santa Fe Ave High Security Fence	*see attachment					\$ 57,750	0.0%	\$ -	100.0%	\$ 57,750	0.0%	\$ -		\$ -	\$ -			
3.ee Crash Barrier @Manville Road/SR91 Off-ramp	*see attachment					\$ 54,895	0.0%	\$ -	100.0%	\$ 54,895	0.0%	\$ -		\$ -	\$ -			
<b>Total Capital Expenditures</b>							\$ 2,025,904		\$ -		\$ 2,025,904		\$ -	\$ 1,715,133	\$ 1,138,670			
							\$ 1,715,133		\$ -		\$ 1,715,133		\$ -					
<b>Grand Total</b>							\$ 6,315,329		\$ 3,203,391		\$ 2,932,856		\$ 179,082	\$ 5,911,431	\$ 5,329,635			
							\$ 5,911,432		\$ 3,138,753		\$ 2,577,709		\$ 194,970					

Note: numbers in red are 2016 Budget numbers

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**Attachment 2 to Exhibit B. - Final Approved 2017 ACTA MOW Budget Detail**

<b>2.a</b>	<b>ADMINISTRATIVE BURDEN</b>	<b>DURATION</b>	<b>QTY</b>	<b>RATE</b>		<b>COST</b>	
	Cell Phone service	12 Mo.	12	\$ 1,100		\$ 13,200	
	Telephone Service	12 Mo.	12	\$ 900		\$ 10,800	
	Office Supplies	12 Mo.	12	\$ 1,100		\$ 13,200	
	Postal Services & Supplies	12 Mo.	12	\$ 750		\$ 9,000	
	Ice / Water & Coffee Supplies	12 Mo.	12	\$ 750		\$ 9,000	
	Dump Fees	12 Mo.	12	\$ 1,000		\$ 12,000	
	<b>SUBTOTAL</b>					\$ 67,200	
	<b>5% MU</b>					\$ 3,360	
	<b>Total</b>					<b>\$ 70,560</b>	
<b>2.b.</b>	<b>PUMP STATION MAINTENANCE</b>				<b>COST \$</b>		
	Vehicle	Month	12	\$ 2,075	50%	\$ 12,450	
	<b>TOTAL</b>					<b>\$ 12,450</b>	
<b>2.b.1</b>	<b>PUMP STATION SUPPLIES &amp; REPAIRS</b>						
	Repairs to pumps (minor repairs & parts)		LS			\$ 7,500	
	Environmental Supplies(chemicals for water treatment)		LS			\$ 18,000	
	<b>TOTAL</b>					<b>\$ 25,500</b>	
<b>2.c.</b>	<b>AEI &amp; OTHER MISC MAINTENANCE - AAR UNIT COUNT</b>		<b>Units/ea.</b>	<b>COST \$</b>			
	AEI Tech.						
	Vehicle						
	Materials/Replacement parts		757	206.00		\$ 155,942	
	<b>Total</b>					<b>\$ 155,942</b>	
<b>2.e</b>	<b>GRAFFITI CONTROL</b>				<b>COST \$</b>		
	Vehicle	Months	12	\$ 2,075	50%	\$ 12,450	
	Material Costs	LS	1	\$ 7,500		\$ 7,500	
	<b>TOTAL</b>					<b>\$ 19,950</b>	
<b>2.g.</b>	<b>SAFETY TRAINING</b>						
	Training (Class and Seminars)		1	\$ 15,000		\$ 15,000	
	Materials	Employees	0	\$ -		\$ -	
	Instructor Lodging & Meals	Days	5	\$ 2,000		\$ 10,000	
	<b>TOTAL</b>					<b>\$ 25,000</b>	
<b>2.h.</b>	<b>SAFETY MANAGEMENT</b>						
	Safety Supplies & Equipment	LS	1	\$ 10,000		\$ 10,000	
	Drug Testing	Employees	17	\$ 500		\$ 8,500	
	<b>TOTAL</b>					<b>\$ 18,500</b>	
<b>2.i.</b>	<b>VEHICLES</b>						
<b>2.i.i</b>	Contract Manager	Monthly Rate	Registration	Insurance	Fuel Cost	Monthly Cost	Yearly Total
		\$ 1,040	\$ 31	\$ 100	\$ 400	\$ 1,571	\$ 18,852
<b>2.i.ii</b>	Track Superintendent*	\$ 2,426	\$ 56	\$ 100	\$ 700	\$ 3,282	\$ 39,384
<b>2.i.iii</b>	Welding Truck*	\$ 2,877	\$ 67	\$ 100	\$ 500	\$ 3,544	\$ 42,528
<b>2.i.iv</b>	Track Foreman*	\$ 2,392	\$ 64	\$ 100	\$ 500	\$ 3,056	\$ 36,672
<b>2.i.v</b>	Assistant Track Forman*	\$ 2,426	\$ 41	\$ 100	\$ 500	\$ 3,067	\$ 36,804
<b>2.i.vi</b>	Track Inspector *	\$ 2,251	\$ 58	\$ 100	\$ 500	\$ 2,909	\$ 34,908
	<b>SUBTOTAL</b>						\$ 209,148
	<b>5% MU (on contract manager vehicles only)</b>						\$ 943
	<b>TOTAL</b>						<b>\$ 210,091</b>
	*Denotes Hi-Rail Veh.						
<b>2.k</b>		Monthly Rate	Registration	Insurance	Fuel Cost	Monthly Cost	Yearly Total
	Bridge Supt./Safety Vehicle	\$ 1,000	\$ 50	\$ 100	\$ 500	\$ 1,650	\$ 19,800
	<b>TOTAL</b>						<b>\$ 19,800</b>
<b>2.l.</b>			<b># of Months</b>				
	Hi-Rail Boom Truck (used by track & signal forces)		12	\$6,000			\$ 72,000
	<b>Total</b>						<b>\$ 72,000</b>
<b>2.m.</b>	<b>MAINTENANCE PROGRAM RAIL GRINDING-LORAM</b>						
	114 Stone Train	Days	2	\$ 50,000			\$ 100,000
	Fuel	Gallons	6000	\$ 4			\$ 24,000
	Pre Grinding Inspection	Days	1	\$ 15,000			\$ 15,000
	Mobilization			\$ 20,000			\$ 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 R.R.M. & O. 2.m.i. & Capital 3.f.(\$83,475 ea)**

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## Attachment 2 to Exhibit B. - Final Approved 2017 ACTA MOW Budget Detail

**2.n. TRACK MATERIALS / SUPPLIES & RENTALS**

Rental Equipment	12 Mo..	12	\$3,000	\$	36,000
Program Track Materials*	12 Mo..	12	\$9,000	\$	108,000
Misc. Track Materials	12 Mo..	12	\$2,500	\$	30,000
Curve Grease	12 Mo..	12	\$3,000	\$	36,000
Supplies & Consumable	12 Mo..	12	\$1,500	\$	18,000
<b>SUBTOTAL</b>				\$	228,000
<b>5% MU</b>				\$	11,400
<b>TOTAL</b>				<b>\$</b>	<b>239,400</b>

**2.o. SIGNAL MAINTENANCE - AAR UNIT COUNTS**

	Duration	QtyHrs.	# of Units	Cost/unit	
Signal Supervisor	75%	1,560			\$ -
Signal Engineer	35%	728			\$ -
Test Maintainer	90%	1,872			\$ -
Signal Maintainers(3)	100%	2,080			\$ -
Vehicles					
Materials					
			4901	\$206	\$ 1,009,606
<b>Total</b>					<b>\$ 1,009,606</b>

**2.p. LADDER / FENCE / TRAFFIC SUPPORT**

Ladder Replacement Parts				\$	10,000
Traffic Support				\$	10,000
Fence Replacement-Repair				\$	15,000
<b>SUBTOTAL</b>				\$	35,000
<b>5% MU</b>				\$	1,750
<b>TOTAL</b>				<b>\$</b>	<b>36,750</b>

**2.q. SECURITY (TRENCH CAMERAS)**

Wire Replacement				\$	5,000
Motion Detector Replacement Parts				\$	5,000
Camera Replacement Parts				\$	10,000
<b>SUBTOTAL</b>				\$	20,000
<b>5% MU</b>				\$	1,000
<b>TOTAL</b>				<b>\$</b>	<b>21,000</b>

**2.r. SECURITY & YARD OFFICE MAINTENANCE SUPPORT**

Security Guard Services				\$	140,000
Janitorial Services				\$	7,500
HVAC & Building Maintenance(includes electrical, plumbing, and pest control)				\$	7,500
<b>SUBTOTAL</b>				\$	155,000
<b>5% MU</b>				\$	7,750
<b>TOTAL</b>				<b>\$</b>	<b>162,750</b>

**2.t. TRENCH DITCH CLEANING**

Labor - inside labor	360	3 laborers	\$62	\$	22,320
Hi-Rail Vac Truck	30	days	\$2,450	\$	73,500
Flagperson	30	days	\$600	\$	18,000
<b>TOTAL</b>				<b>\$</b>	<b>113,820</b>

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**Attachment 2 to Exhibit B. - Final Approved 2017 ACTA MOW Budget Detail**

**2017 CAPITAL Program**

3.a.	<b>SURFACING PROGRAM</b>	Duration	Rate	
	Surfacing Unit-BBII outside	45 Days	\$4,400	\$ 198,000
	Mobilization			\$ 25,000
	Note: All labor, equipment and fuel included in daily rate			
	<b>TOTAL</b>			<b>\$ 223,000</b>

3.c.i.	<b>REBALLAST PROGRAM</b>	Hours	Rate	
	Track Foreman	240	\$61.50	\$ 14,760
	<b>TOTAL</b>			<b>\$ 14,760</b>

3.c.ii	<b>REBALLAST PROGRAM</b>			
	Track Laborers	960	\$53.50	\$ 51,360
	<b>TOTAL</b>			<b>\$ 51,360</b>

3.f.	<b>PROGRAM RAIL GRINDING-LORAM</b>	Duration	Qty	Rate	
	114 Stone Train	Days	2	\$ 50,000	\$ 100,000
	Fuel	Gallons	6000	\$ 4	\$ 24,000
	Pre Grinding Inspection	Days	1	\$ 15,000	\$ 15,000
	Mobilization		1	\$ 20,000	\$ 20,000
	<b>SUBTOTAL</b>				\$ 159,000
	<b>5% MU</b>				\$ 7,950
	<b>TOTAL</b>				<b>\$ 166,950</b>

Note: This total split 50/50 between R.R.M.& O., 2.m. & Capital 3.f.(\$83,475 ea)

3.g	<b>TRACK REBALLAST</b>	Duration	QTY	Rate	
	Equipment(Rental)*	Days	20	800	\$ 16,000
	Hi-Rail Vac Truck	Days	20	2450	\$ 49,000
	Ballast Car Rental	Days	20	300	\$ 6,000
	<b>SUBTOTAL</b>				\$ 71,000
	<b>5% MU*</b>				\$ 800
	<b>TOTAL</b>				<b>\$ 71,800</b>

3.h.	<b>SWITCH COMPONENT REPLACEMENT (Frogs &amp; Concrete Switch Ties)</b>				
	#14 RBM Frogs	4 ea.		\$71,920	\$ 71,920
	#20 RBM Frogs	4 ea.		\$91,032	\$ 91,032
	4 ea. Sets/# 14 Switch ties	2 L.H. & 2 R. H.		\$36,385	\$ 36,385
	4 ea. Sets/# 20 Switch ties	2 L.H. & 2 R. H.		\$39,745	\$ 39,745
	Transportation & Tax Cost for Materials				\$ 21,500
	<b>SUBTOTAL</b>				\$ 260,582
	<b>5% MU</b>				\$ 13,029
	<b>Total</b>				<b>\$ 273,611</b>

3.o	<b>PUMP STATION UPGRADES</b>		
	Phase 2, 3, & 4 Carry-over		\$ 80,000
	Replace 2 Pumps at Greenleaf Pump Station		\$ 131,000
	Parts and materials		\$ 10,000
	<b>SUBTOTAL</b>		\$ 221,000
	<b>5% Mark-up</b>		\$ 11,050
	<b>Total</b>		<b>\$ 232,050</b>

3.w.	<b>REHAB HENRY FORD CROSSING @ CP DOMINGUEZ</b>		
	Surfacing- BBII outside		\$ 13,200
	Labor- local & outside		\$ 55,000
	Welding- local		\$ 10,000
	Engineering for Permits		\$ 40,000
	Subject to 5% MU		\$ -
	Materials: 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
	Subcontractors: Paving & Track		\$ 30,000
	Traffic Permits & Traffic Mitigation		\$ 40,000
	Contingencies		\$ 10,000
	Clean-up and tie disposal		\$ 7,500
	<b>SUBTOTAL</b>		\$ 397,700
	<b>5% MU</b>		\$ 13,975
	<b>TOTAL</b>		<b>\$ 411,675</b>

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**3.aa. RETIE CRUCERO TO LB DIAMONDS w/ CONCRETE TIES**

Replace wood ties with concrete ties*	250	\$135.00		\$ 33,750
Clips, Pads, & Insulators*				\$ 5,000
Track Foreman-inside	40 hrs	\$60.50		\$ 2,420
Track Laborers-inside	160 hrs	\$47.50		\$ 7,600
Equipment Operators-inside	80 hrs	\$75.25		\$ 6,020
Surfacing Unit-BBII outside	2 days	\$4,400.00		\$ 8,800
<b>SUBTOTAL</b>				<b>\$ 63,590</b>
<b>5% MU*</b>				<b>\$ 1,938</b>
<b>TOTAL</b>				<b>\$ 65,528</b>

**3.bb REPLACE NEW HOT BOX DETECTOR @ MP 12.9**

Equipment, Materials & Support *				\$ 160,000
Materials Purchased from 2016 Contingency including MU				\$ (100,000)
<b>SUBTOTAL*</b>				<b>\$ 60,000</b>
Installation & Testing				\$ 30,000
Contingency				\$ 30,000
<b>SUBTOTAL</b>				<b>\$ 120,000</b>
<b>5% MU*</b>				<b>\$ 3,000</b>
<b>TOTAL</b>				<b>\$ 123,000</b>

**3.dd. SANTA FE AVE HIGH SECURITY FENCE**

Materials, Equipment, & Labor by Sub-contractor				\$ 55,000
<b>SUBTOTAL</b>				<b>\$ 55,000</b>
<b>5% MU</b>				<b>\$ 2,750</b>
<b>TOTAL</b>				<b>\$ 57,750</b>

**3.ee. CRASH BARRIER @MANVILLE ROAD/SR91 OFF-RAMP**

BBII Labor				\$ 6,500
BBII Truck Crane with operator & rigger				\$ 4,400
Subject to MU				
Materials, Equipment, & Labor by Sub-contractors for Guardrail (300')				\$ 30,000
Traffic Control Sub-contractor for K-Rail (300')				\$ 4,500
Flatbed Trucks Sub-contractor for K-Rail				\$ 5,000
Forklift Rental for K-Rail				\$ 700
Gravel for Leveling for K-Rail				\$ 1,700
<b>SUBTOTAL</b>				<b>\$ 52,800</b>
<b>5% MU</b>				<b>\$ 2,095</b>
<b>TOTAL</b>				<b>\$ 54,895</b>

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