

TRANSMITTAL 1



October 24, 2023

To: Parties listed on Exhibit A

Subject: Notice of Mutual Agreement No. 2023-1 - Request for Approval under Amended and Restated Alameda Corridor Use and Operating Agreement

Matter: Alameda Corridor Proposed Calendar Year 2024 Operations & Maintenance Budget

Dear Sir or Madam:

Reference is made to that certain Amended and Restated Alameda Corridor Use and Operating Agreement dated as of December 15, 2016 (the "Agreement"), by and among the BNSF Railway Company (BNSF), Union Pacific Railroad Company (UP), the City of Los Angeles, acting by and through its Board of Harbor Commissioners (POLA), the City of Long Beach, acting by and through its Board of Harbor Commissioners (POLB), and the Alameda Corridor Transportation Authority (ACTA).

The Agreement governs the use and operation of the Alameda Corridor and, among other things, contains provisions which require certain decisions to be made from time to time by either Mutual Agreement (as defined in the Agreement) or unanimous consent/approval. In particular, Mutual Agreement requires the approval from at least three of the following parties: BNSF, UP, POLB, and POLA, and unanimous consent/approval requires the approval of each of the same four entities. Pursuant to the terms of the Agreement, ACTA as an entity does not approve or disapprove Mutual Agreement matters.

Attached as Exhibit B is Notice of Mutual Agreement (NMA) No. 2023-1, for which approval by the requisite parties is requested at this time. The matter to be approved is described in the attached NMA (the "Matter"). Following consideration of the Matter, please email to ACTA a signed copy of the attached NMA (or, if such Matter is not approved by your entity, a written statement indicating such disapproval and suggested remedy), no later than December 15, 2023. Once all responses are received, ACTA will send a letter to the four entities with the results.

If there are any questions, please advise.

Yours Sincerely,

A handwritten signature in black ink that reads "Michael Leue". The signature is fluid and cursive, written in a professional style.

Michael Leue
Chief Executive Officer

EXHIBIT A
LIST OF PARTIES

Port of Los Angeles
425 South Palos Verdes Street
San Pedro, California 90733
Attn: Executive Director
Email: gene_seroka@portla.org

Port of Long Beach
415 W. Ocean Blvd., 11th Floor
Long Beach, CA 90802
Attn: Executive Director
Email: mario.cordero@polb.com

BNSF Railway Company
2500 Lou Menk Drive; AOG -Garden Level
Fort Worth, Texas 76131
Attn: Asst Vice President – Contracts/Joint Facilities
Email: olivia.power@bnsf.com

Union Pacific Railroad Company
1400 Douglas Street -Stop 1160
Omaha, Nebraska 68179
Attn: Executive Vice President of Operations
Email: jointfacilitycontracts@up.com

Cc:

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[Email: Thomas.Oh@polb.com](mailto:Thomas.Oh@polb.com)

EXHIBIT B

NOTICE OF MUTUAL AGREEMENT

Number: 2023-1

Subject: Approval for the Alameda Corridor Calendar Year 2024 Operations & Maintenance Budget

Recommendation:

1. Approve the proposed 2024 MOW Budget in the amount of \$24,894,623.16;
2. Approve the overall proposed 2024 Operations and Maintenance (O&M) Budget in the amount of \$33,962,740.13 which includes the MOW Budget, other estimated annual O&M expenses, and a \$500,000 contingency for unanticipated O&M items.
3. Authorize delegates appointed by each party to the UOA with delegated authority to provide written approval towards mutual agreement of the allocation and use of the contingency fund, and/or of the transfer of amounts from one MOW Budget line item to another as needed to accomplish work, and/or approval to proceed with items pending final design approval. Written approval can be in the form of an email affirming each party's approval.

Discussion:

Section 2.5(b) of the Amended and Restated Use and Operating Agreement, dated as of December 15, 2016, (the "Agreement") requires that the Ports and Railroads through Mutual Agreement approve an Annual Maintenance and Capital Improvement Plan and Budget prior to January 1 of each year. The Plan and Budget for 2024 are comprised of two documents.

1. The Maintenance of Way (MOW) Budget estimates the projected maintenance and capital costs to be incurred for the coming year.
2. The overall Operations and Maintenance (O&M) Budget, which incorporates the MOW Budget, Contingency Budget and Operating & Other Budget (including but not limited to insurance, dispatching, security, utilities and support costs).

Attached for approval is the detail for both budgets for calendar year 2024. The following are provided to support your approval.

- Attachment 1 presents the proposed 2024 MOW Budget.
- Attachments 2 through 4 provide budget detail information for MOW Labor, Operations Maintenance and Capital Costs, respectively.
- Attachment 5 provides the proposed 2024 O&M Budget.

The proposed 2024 MOW Budget was originally prepared in draft form by ACTA and their Maintenance Contractor and submitted for review by the Railroads and the Ports. Meetings were held on September 21 and October 23, 2023 among the operating delegate group and staffs of the Railroads, Ports and ACTA. A field inspection of MOW needs was performed by BNSF on September 18, 2023. No comments have been received regarding the subject budget.

Major items reviewed included: proposed Contractor staffing levels and equipment levels; allocation of costs between the Rail and Non-Rail categories within Maintenance; and between Maintenance and Capital Expenses made in accordance with the approved definition of Capital Expenses. The O&M Budget includes a \$500,000 contingency to be allocated, as approved by delegates, during the year to enable necessary unforeseen work.

The Proposed 2024 MOW Budget increased by 28.5% compared to 2023. The \$5.52M increase is primarily due to a requirement to modify CTC signal components to be compliant with manufacturer support. The funding of the proposed 2024 MOW Budget is split approximately 50/50 between ACTA fee revenue and costs billed to the Railroads. The proposed 2024 MOW Budget is divided into three categories: Labor Costs, Operations Maintenance, and Capital Costs. Compared to the 2023 budget, the Labor category is up 1.5%; the Operations Maintenance category is up 13.4%; and the Capital Costs category increased 68.4%.

The Proposed 2024 O&M Budget of \$33,962,740.13 is the sum of the proposed 2024 MOW Budget of \$24,894,623.16, plus a \$500,000 contingency, and \$8,568,116.97 in Operating & Other Costs. These Operating & Other Costs are about 48.0% higher than those in the 2023 O&M Budget due to increased insurance and security costs and signal system design costs. Most of these costs are paid by the Railroads either directly or from deposits made to ACTA known as M&O charges. The proposed 2024 O&M Budget is 32.3% above the 2023 O&M Budget.

Items of Note:

1. Delegation is sought pursuant to the aforementioned Recommendation No. 3 for a designated individual or designated individuals within each party to be given authority to approve the allocation and use of contingency funds as needed for the MOW Budget to address unforeseen requirements.

Further delegation is sought for such designated individual(s) to have authority to approve the shift of amounts from one MOW Budget line item to another as needed, provided that the total MOW Budget (which is the MOW contract value) plus the \$500,000 contingency, is not exceeded.

Such delegated authority will provide additional budgetary flexibility and efficiency as to not hold up necessary operations work pending Board approval any time an individual estimated line item may be exceeded. Approvals from the designees of at least three of the four parties (BNSF, UP, POLB, and POLA) are required in advance to authorize the allocation and use of contingency funds and/or the transfer of MOW Budget line items from one line item to another.

2. Budget Flexibility

It is important to allow ACTA the flexibility to administer the O&M budget and the intent of these guidelines is to provide that flexibility, while protecting the Railroads and Ports from unexpected budget changes. If there is an anticipated overrun in any of the budget sections, there shall be a written communication by RailWorks to ACTA and a written approval by 75% of the delegates prior to incurring the cost.

3. Budget Items Pending Approval

Two budget items (2.ee and 3.rr) require subsequent delegate approval based on delegates' review of approach and bidding process. Work associated with these items nor expenditure of these budgets will not proceed without written approval by 75% of the delegates.

Please provide your acceptance and approval by affixing your signature, name and title below:

Port of Los Angeles

By: _____

Printed Name: _____

Title: _____

Date: _____

Port of Long Beach

By: _____

Printed Name: _____

Title: _____

Date: _____

BNSF Railway Company

By: _____

Printed Name: _____

Title: _____

Date: _____

Union Pacific Railroad Company

By: _____

Printed Name: _____

Title: _____

Date: _____

Attachments:

- 1 – Proposed 2024 MOW Budget
- 2 – Proposed 2024 MOW Labor Detail
- 3 – Proposed 2024 MOW Operations Maintenance Detail
- 4 – Proposed 2024 MOW Capital Costs Detail
- 5 – Proposed 2024 O&M Budget

Attachments 1 – Proposed 2024 MOW Budget

Alameda Corridor - Draft Proposed 2024 Maintenance of Way (MOW) Budget

1. LABOR COSTS	2024		R.R. M&O - Rail Cost	Res. Acct. Non-Rail Cost	ACTA Operating Budget Cost	2023
SUBTOTAL 1:	18.5 Staff Positions	\$ 4,234,233.12	\$ 3,325,136.59	\$ 874,060.53	\$ 35,036	\$ 4,173,018.86
	Approved Amended CY2023 Budget	\$ 4,173,018.86	\$ 3,282,591.63	\$ 857,929.22	\$ 32,498.00	\$ 4,173,018.86
	Variance	\$ 61,214.27	\$ 42,545	\$ 16,131	\$ 2,538.00	\$ -
	% Change	1.5%	1.3%	1.9%	7.8%	0.0%

2. OPERATIONS MAINTENANCE	2024		R.R. M&O - Rail Share Cost	Res. Acct. Non-Rail Share Cost	ACTA Operating Budget Share Cost	2023
2.b Pump Station Maintenance		\$ 16,512.00	0.0%	100.0%	0.0%	\$ 15,480.00
2.b.i Pump Station Repairs and Supplies (Subcontractor)		\$ 34,815.00	0.0%	100.0%	0.0%	\$ 34,815.00
2.c AEI & Other Communications Maintenance		\$ 437,070.55	62.3%	0.0%	37.7%	\$ 392,239.89
2.d Rail Flaw Detection (Subcontractor)		\$ 75,600.00	100.0%	0.0%	0.0%	\$ 63,000.00
2.e Graffiti Control		\$ 31,912.00	0.0%	100.0%	0.0%	\$ 30,726.00
2.f Weed Abatement (Subcontractor)		\$ 84,160.00	80.0%	20.0%	0.0%	\$ 70,488.00
2.g Safety Training (Subcontractor)		\$ 34,125.00	85.0%	15.0%	0.0%	\$ 34,125.00
2.h Safety Management		\$ 24,412.50	85.0%	15.0%	0.0%	\$ 24,412.50
2.i Vehicles		\$ 390,096.00	75.0%	25.0%	0.0%	\$ 365,328.00
2.i Full-Time Equipment		\$ 341,472.00	100.0%	0.0%	0.0%	\$ 288,960.00
2.m Maintenance Program Rail Grinding - (50% of Total Cost)		\$ 351,346.09	100.0%	0.0%	0.0%	\$ 347,415.45
2.n Track Materials / Supplies / Rentals		\$ 331,200.00	100.0%	0.0%	0.0%	\$ 303,600.00
2.o Signal Maintenance (Subcontractor)		\$ 2,998,572.20	100.0%	0.0%	0.0%	\$ 2,233,564.58
2.p Ladder / Fence / Traffic Support (Subcontractor)		\$ 535,900.00	0.0%	100.0%	0.0%	\$ 307,461.00
2.q Security - Trench Cameras		\$ 20,460.00	70.0%	25.0%	5.0%	\$ 20,460.00
2.r Security / Yard & Office Maintenance & Support (Subcontractor)		\$ 283,500.00	100.0%	0.0%	0.0%	\$ 259,182.00
2.s Underwater Bridge Inspection (Completed in 2023. Occurs again in 2028)		\$ -	100.0%	0.0%	0.0%	\$ 51,187.50
2.t Trench Ditch Cleaning		\$ 89,250.00	0.0%	100.0%	0.0%	\$ 73,500.00
2.w Railroad Reporting and Record Keeping Software System (Subcontractor)		\$ 46,620.00	100.0%	0.0%	0.0%	\$ 46,620.00
2.x Railroad Emergency Drill Exercise		\$ 30,935.32	100.0%	0.0%	0.0%	\$ 29,808.04
2.dd Bridge Inspections (Subcontractor)		\$ 39,900.00	100.0%	0.0%	0.0%	\$ -
2.ee Communication System Repair		\$ 4,000,000.00	100.0%	0.0%	0.0%	\$ 4,000,000.00
SUBTOTAL 2:		\$ 10,197,878.66	\$ 9,195,348.02	\$ 836,644.63	\$ 165,886	\$ 8,992,372.96

3. CAPITAL COSTS	2024		R.R. M&O - Rail Cost	Res. Acct. Non-Rail Share Cost	ACTA Operating Budget Share Cost	2023
3.a Surfacing & Mobilization		\$ 615,247.92	0.0%	100.0%	0.0%	\$ 549,390.90
3.c Reballast Program - Labor & Equipment		\$ 372,391.28	0.0%	100.0%	0.0%	\$ 347,870.80
3.d Reballast Program - Ballast		\$ 66,000.00	0.0%	100.0%	0.0%	\$ 63,800.00
3.f Capital Program Rail Grinding - (50% of Total Cost)		\$ 351,346.09	0.0%	100.0%	0.0%	\$ 347,415.45
3.h-2 Replace 20 Frogs		\$ 785,037.52	0.0%	100.0%	0.0%	\$ 733,036.80
3.h-3 Replace 40 Switch Points and Stock Rails		\$ 615,203.12	0.0%	100.0%	0.0%	\$ 519,476.80
3.h-5 Insulated Joint Replacement		\$ 185,444.75	0.0%	100.0%	0.0%	\$ 286,816.25
3.o Pump Station Upgrades (Subcontractor)		\$ 240,250.00	0.0%	100.0%	0.0%	\$ 234,850.00
3.r Trench Emergency Ladder, Stair Study, & Repairs (Subcontractor)		\$ 129,000.00	0.0%	100.0%	0.0%	\$ 129,000.00
3.y Signal Battery Replacement		\$ -	0.0%	100.0%	0.0%	\$ 121,000.00
3.aa-1 Replace Long Beach Diamonds		\$ 842,719.48	0.0%	100.0%	0.0%	\$ -
3.gg-3 Curve Rail Replacement		\$ 414,245.18	0.0%	100.0%	0.0%	\$ 1,177,293.85
3.ii Fixed Trench Ladders (Subcontractor)		\$ 420,000.00	0.0%	100.0%	0.0%	\$ 420,000.00
3.mm Miscellaneous Trench Structure Repairs (Subcontractor)		\$ 63,000.00	0.0%	100.0%	0.0%	\$ 63,000.00
3.nn Compton Bridges - Replace Deck Ties		\$ 1,141,430.44	0.0%	100.0%	0.0%	\$ 850,273.10
3.oo Replacement of M23A Switches Machines		\$ 110,000.00	0.0%	100.0%	0.0%	\$ 110,000.00
3.pp Signal Module VHLC Replacements to XLC		\$ -	0.0%	100.0%	0.0%	\$ 155,713.95
3.qq Furnish and Replace Rail Lubricator Systems		\$ 111,195.60	0.0%	100.0%	0.0%	\$ 102,602.00
3.rr Corridor Signal Maintenance - Construction		\$ 4,000,000.00	0.0%	100.0%	0.0%	\$ -
SUBTOTAL 3		\$ 10,462,511.38	\$ -	\$ 10,462,511.38	\$ -	\$ 6,211,539.90

GRAND TOTAL 1, 2, 3:		\$ 24,894,623.16	\$ 12,520,484.61	\$ 12,173,216.54	\$ 200,922.01	\$ 19,376,931.72
Approved CY2023 Budget		\$ 19,376,931.72	\$ 11,544,681.48	\$ 7,650,776.35	\$ 181,473.89	\$ 19,376,931.72
Variance		\$ 5,517,691.44	\$ 975,803.13	\$ 4,522,440.19	\$ 19,448.12	\$ -
% Change		28.5%	8.5%	59.1%	10.7%	0.0%

Attachments 2 – Proposed 2024 MOW Labor Detail

1. Draft Proposed 2024 Labor Costs

1. LABOR	Positions	Needed Portion	EST Hours	2024				2024 VALUE	R.R. M & O			Reserve Account			ACTA Operating Budget			2023 Amended Approved Budget		
				Hourly RATE	OT RATE	OT * VALUE	DT RATE		DT ** VALUE	Share	Rail Cost	Hours	Share	Non-Rail Cost	Hours	Share	Cost		Hours	
MANAGEMENT POSITIONS																				
1.a.i	Contract Manager	1	100.0%	2000	\$ 175.18	N/A	N/A	N/A	N/A	\$ 350,360.00	70.0%	\$ 245,252.00	1,400	20.0%	\$ 70,072.00	400	10.0%	\$ 35,036.00	200	\$ 324,980.00
1.a.ii	Track Supervisor	1	100.0%	2000	\$ 132.14	N/A	N/A	N/A	N/A	\$ 264,280.00	80.0%	\$ 211,424.00	1,600	20.0%	\$ 52,856.00	400	0.0%	\$ -	-	\$ 256,560.00
1.a.iii	Safety Supervisor	1	100.0%	2000	\$ 132.14	N/A	N/A	N/A	N/A	\$ 264,280.00	80.0%	\$ 211,424.00	1,600	20.0%	\$ 52,856.00	400	0.0%	\$ -	-	\$ 256,560.00
1.a.iv	Office Manager	1	100.0%	2000	\$ 72.61	N/A	N/A	N/A	N/A	\$ 145,220.00	50.0%	\$ 72,610.00	1,000	50.0%	\$ 72,610.00	1,000	0.0%	\$ -	-	\$ 119,740.00
1.a.v	Office Assistant	0	100.0%	0	\$ -	N/A	N/A	N/A	N/A	\$ -	50.0%	\$ -	-	50.0%	\$ -	-	0.0%	\$ -	-	\$ 119,740.00
STAFF POSITIONS																				
1.b	Track Inspector	1	100.0%	2000	\$ 105.15	\$ 141.66	\$ 11,332.80	\$ 178.16	\$ 4,275.84	\$ 225,908.64	100.0%	\$ 225,908.64	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 211,541.68
1.b.i	Track Foreman	2	100.0%	4000	\$ 105.15	\$ 141.66	\$ 11,332.80	\$ 178.16	\$ 4,275.84	\$ 436,208.64	100.0%	\$ 436,208.64	4,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 423,083.36
1.b.ii	Assistant Foreman	0	100.0%	0	\$ 104.11	\$ 130.31	\$ -	\$ 163.45	\$ -	\$ -	100.0%	\$ -	-	0.0%	\$ -	-	0.0%	\$ -	-	\$ -
1.b.iii	Track Laborers	4	100.0%	8000	\$ 98.12	\$ 131.11	\$ 10,488.80	\$ 164.10	\$ 3,938.40	\$ 799,387.20	97.5%	\$ 779,402.52	7,800	2.5%	\$ 19,984.68	200	0.0%	\$ -	-	\$ 781,435.76
1.b.iv	Equipment Operators	1.5	100.0%	3000	\$ 129.95	\$ 175.42	\$ 14,033.60	\$ 220.88	\$ 5,301.12	\$ 409,184.72	92.5%	\$ 378,495.87	2,775	7.5%	\$ 30,688.85	225	0.0%	\$ -	-	\$ 398,640.23
1.b.v	Welder	2	100.0%	4000	\$ 100.14	\$ 134.14	\$ 10,731.20	\$ 168.14	\$ 4,035.36	\$ 415,326.56	100.0%	\$ 415,326.56	4,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 410,144.86
1.b.vi	Welder Helper	1	100.0%	2000	\$ 98.12	\$ 131.11	\$ 10,488.80	\$ 164.10	\$ 3,938.40	\$ 210,667.20	100.0%	\$ 210,667.20	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 195,358.94
1.b.vii	Laborer (Non-Rail)	1	100.0%	2000	\$ 98.12	\$ 131.11	\$ 10,488.80	\$ 164.10	\$ 3,938.40	\$ 210,667.20	0.0%	\$ -	-	100.0%	\$ 210,667.20	2,000	0.0%	\$ -	-	\$ 195,358.94
1.b.viii	Foreman (Non-Rail)	1	100.0%	2000	\$ 105.15	\$ 141.66	\$ 11,332.80	\$ 178.16	\$ 4,275.84	\$ 225,908.64	0.0%	\$ -	-	100.0%	\$ 225,908.64	2,000	0.0%	\$ -	-	\$ 211,541.68
1.b.ix	Track Superintendent	1	100.0%	2000	\$ 128.64	\$ 176.89	\$ 14,151.20	\$ 225.13	\$ 5,403.12	\$ 276,834.32	50.0%	\$ 138,417.16	1,000	50.0%	\$ 138,417.16	1,000	0.0%	\$ -	-	\$ 268,333.41
		18.5		37000						SUBTOTAL 1:		\$ 4,234,233.12	29,175		\$ 874,060.53	7,625		\$ 35,036.00	200	\$ 4,173,018.86
											\$ 4,173,018.86		\$ 3,282,591.63	30,325	\$ 857,929.22	8,475	\$ 32,498.00	200	\$ 4,173,018.86	
											\$ 61,214.27		\$ 42,545	(1,150)	\$ 16,131	(850)	\$ 2,538.00	-	\$ -	
											% Change		1.5%	1.3%	1.9%	7.8%		0.0%		

* OT Value Based on Working 80 Hours of OT During Calendar Year = 3.85% of Base Hours

**DT Value Based on Working 24 Hours of DT During Year = 1.2% of Base Hours

Note: all rates are Fully Burden Labor Rate. Additional detail is available upon request.

Attachments 3 – Proposed 2024 MOW Operations Maintenance Detail

2. Draft Proposed CY2024 Operations Maintenance Budget Detail

Cost Code

2.b	Pump Station Maintenance	U of M	QTY	Rate	Split	Total
	Vehicle (Split 50/50 between 2.b & 2.e)	Monthly	12	\$ 2,752.00	50%	\$ 16,512.00

SUBTOTAL: \$ 16,512.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	16,512.00

2.b.i	Pump Station Repairs and Supplies	U of M	QTY	Rate	Split	Total
	Subcontractor - Repairs to Pumps	LS	1	\$ 18,700.00	100%	\$ 18,700.00
	Environmental Supplies (Chemicals for water treatment)	LS	1	\$ 13,200.00	100%	\$ 13,200.00

SUBTOTAL: \$ 31,900.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	935.00
Supplies	15%	Markup: \$	1,980.00
		TOTAL: \$	34,815.00

2.c	AEI & Other Communications Maintenance	U of M	QTY	Rate	Split	Total
Materials						
	Material - Initial Inventory Purchase	LS	1	\$ 40,000.00	100%	\$ 40,000.00
<i>Subtotal - Materials</i>						\$ 40,000.00

Subcontractor						
	Office Administrator	Hour	200	\$ 68.25	100%	\$ 13,650.00
	Safety Manager - ST	HR	120	\$ 68.12	100%	\$ 8,174.40
	Safety Manager - OT	HR	0	\$ 86.59	100%	\$ -
	Safety Manager - DT	HR	0	\$ 112.31	100%	\$ -
	AEI / Comm Technician - ST	Hour	2000	\$ 127.41	100%	\$ 254,814.00
	AEI / Comm Technician - OT (Based on 1Q&2Q2022)	Hour	80	\$ 169.80	100%	\$ 13,583.64
	AEI / Comm Technician - DT (Based on 1Q&2Q2022)	Hour	16	\$ 254.81	100%	\$ 4,077.02
	Signal / Comm Supervisor	Hour	200	\$ 144.38	100%	\$ 28,876.00
	Vehicle - Signal / Comm Supervisor	Monthly	12	\$ 322.92	100%	\$ 3,875.04
	Vehicle - AEI / Comm Technician (Monthly Rate for FT Position)	Monthly	12	\$ 3,229.20	100%	\$ 38,750.40
	Vehicle - AEI / Comm Technician (Hourly Rate for Call-Outs)	Hour	120	\$ 18.35	100%	\$ 2,202.00
	Vehicle - Safety Manager	Monthly	12	\$ 79.20	100%	\$ 950.40
	Equipment - Hi-Rail Bucket Truck	Monthly	12	\$ 450.00	100%	\$ 5,400.00
<i>Subtotal - Subcontractor</i>						\$ 374,352.90

SUBTOTAL: \$ 414,352.90

Materials	10%	Markup: \$	4,000.00
Subcontractor	5%	Markup: \$	18,717.65
Supplies	15%	Markup: \$	-
		TOTAL: \$	437,070.55

2.d	Rail Flaw Detection	U of M	QTY	Rate	Split	Total
	Subcontractor - Mobilization	EA	3	\$ 6,500.00	100%	\$ 19,500.00
	Subcontractor - Daily Rate (3-day minimums)	EA	3	\$ 17,500.00	100%	\$ 52,500.00

SUBTOTAL: \$ 72,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	3,600.00
Supplies	15%	Markup: \$	-
		TOTAL: \$	75,600.00

2.e	Graffiti Control	U of M	QTY	Rate	Split	Total
	Vehicle (Split 50/50 between 2.b & 2.e)	Monthly	12	\$ 2,752.00	50%	\$ 16,512.00
	Materials	LS	1	\$ 14,000.00	100%	\$ 14,000.00

SUBTOTAL: \$ 30,512.00

Materials	10%	Markup: \$	1,400.00
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	31,912.00

2.f	Weed Abatement	U of M	QTY	Rate	Split	Total
Subcontractor						
	Subcontractor	LS	1	\$ 50,000.00	100%	\$ 50,000.00
	Disposal - Dumpsters @ 1 per month	EA	12	\$ 1,200.00	100%	\$ 14,400.00
	<i>Subtotal - Subcontractor</i>					\$ 64,400.00
Supplies & Rental						
	Specialty Equipment Rental	EA	12	\$ 1,200.00	100%	\$ 14,400.00
	<i>Subtotal - Supplies & Rental</i>					\$ 14,400.00

SUBTOTAL: \$ 78,800.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	3,220.00
Supplies	15%	Markup: \$	2,160.00
		TOTAL: \$	84,180.00

2.g	Safety Training	U of M	QTY	Rate	Split	Total
	Subcontractor - Training (Classes and Seminars)	LS	1	\$ 20,000.00	100%	\$ 20,000.00
	Instructor Lodging and Meals	Days	5	\$ 2,500.00	100%	\$ 12,500.00

SUBTOTAL: \$ 32,500.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	1,625.00
Supplies	15%	Markup: \$	-
		TOTAL: \$	34,125.00

2.h	Safety Management	U of M	QTY	Rate	Split	Total
	Drug Testing - Employees	EA	30	\$ 775.00	100%	\$ 23,250.00
	<i>Subtotal - Safety Management</i>					\$ -

SUBTOTAL: \$ 23,250.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	1,162.50
Supplies	15%	Markup: \$	-
		TOTAL: \$	24,412.50

2.i	Vehicles (Cost Accounts % split)	U of M	QTY	Rate	Split	Total
2.i.i	Contract Manager (RR M&O 70%/RA 20%/OB 10%)	Monthly	12	\$ 2,236.00	100%	\$ 26,832.00
2.i.ii	Track Supervisor - Hi-Rail (RR M&O 80%/RA 20%)	Monthly	12	\$ 2,752.00	100%	\$ 33,024.00
2.i.iii	Welding Truck - Hi-Rail (RR M&O 100%)	Monthly	12	\$ 7,224.00	100%	\$ 86,688.00
2.i.iv	Track Foreman - Hi-Rail (2 Each) (RR M&O 50%/RA 50%)	Monthly	24	\$ 5,332.00	100%	\$ 127,968.00
2.i.v	Assistant Track Foreman - Hi-Rail (RR M&O 100%)	Monthly	0		100%	\$ -
2.i.vi	Track Inspector - Hi-Rail (2 Each) (RR M&O 100%)	Monthly	24	\$ 2,752.00	100%	\$ 66,048.00
2.i.vii	Track Superintendent - Hi-Rail (RR M&O 50%/RA 50%)	Monthly	12	\$ 2,752.00	100%	\$ 33,024.00
2.k	Safety Supervisor Vehicle (RR M&O 80%/RA 20%)	Monthly	12	\$ 1,376.00	100%	\$ 16,512.00

SUBTOTAL: \$ 390,096.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	390,096.00

2.l	Full-Time Equipment	U of M	QTY	Rate	Split	Total
	Hi-Rail Grapple / Boom Truck	Monthly	12	\$ 11,008.00	100%	\$ 132,096.00
	Speedswing	Monthly	12	\$ 8,772.00	100%	\$ 105,264.00
	Combination Backhoe	Monthly	12	\$ 5,676.00	100%	\$ 68,112.00
	Forklift / Telehandler - Added for increase material handling efforts	Monthly	12	\$ 3,000.00	100%	\$ 36,000.00

SUBTOTAL: \$ 341,472.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	341,472.00

2.m	Maintenance Program Rail Grinding	U of M	QTY	Rate	Split	Total	
RailWorks Labor & Equipment							
	Foreman	HR	80	\$ 105.15	50%	\$ 4,206.00	
	Laborer	HR	80	\$ 98.12	50%	\$ 3,924.80	
	Operator for Water Wagon	HR	80	\$ 129.95	50%	\$ 5,198.00	
	F350 HiRail Crew Truck	HR	80	\$ 16.00	50%	\$ 640.00	
	<i>Subtotal - RWs Labor & Equipment</i>					\$	13,968.80
Subcontractor							
	Mainline Grinding Subcontractor Mobilization	LS	1	\$ 20,000.00	50%	\$ 10,000.00	
	Mainline Grinding Contractor Basic Charge	Daily	6	\$ 80,000.00	50%	\$ 240,000.00	
	Mainline Grinding Production Charge	Miles	20	\$ 1,800.00	50%	\$ 18,000.00	
	Mainline Grinding Pre-Grind Survey Mobilization	LS	1	\$ 12,500.00	50%	\$ 6,250.00	
	Mainline Grinding Pre-Grind Survey Daily Rate	Daily	3	\$ 11,000.00	50%	\$ 16,500.00	
	Signal Support	Daily	6	\$ 1,151.52	50%	\$ 3,454.56	
	<i>Subtotal - Subcontractor</i>					\$	294,204.56
Supplies & Rental							
	Fuel for Grinder	Gallon	6000	\$ 7.00	50%	\$ 21,000.00	
	Water Truck Rental	Monthly	1	\$ 7,500.00	50%	\$ 3,750.00	
	<i>Subtotal - Supplies & Rental</i>					\$	24,750.00
Total is split 50/50 between R.R. M&O Cost and Capital						SUBTOTAL: \$	332,923.36

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	14,710.23
Supplies	15%	Markup: \$	3,712.50
		TOTAL: \$	351,346.09

2.n	Track Materials / Supplies / Rentals	U of M	QTY	Rate	Split	Total	
Materials							
	Miscellaneous Track Materials - Bolts, etc.	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	Curve Grease - Grease and miscellaneous parts and pieces	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	Supplies and Consumables - Welding, etc.	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	<i>Subtotal - Materials</i>					\$	216,000.00
Supplies & Rental							
	Equipment Rental	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	<i>Subtotal - Supplies & Rental</i>					\$	72,000.00
						SUBTOTAL: \$	288,000.00

Materials	10%	Markup: \$	28,800.00
Subcontractor	5%	Markup: \$	3,600.00
Supplies	15%	Markup: \$	10,800.00
		TOTAL: \$	331,200.00

2.o	Signal Maintenance	U of M	QTY	Rate	Split	Total
Materials						
	Material Ongoing Purchases Total = LS (RWKS purchase)	LS	1	\$ 150,000.00	100%	\$ 150,000.00
	Materials - Signal Battery Replacements	Ea	1	\$ 115,000.00	100%	\$ 115,000.00
	<i>Subtotal - Materials</i>					\$ 265,000.00
RailWorks Labor & Equipment						
	HiRail Bucket Truck	Monthly			100%	\$ -
	Foreman	HR			100%	\$ -
	Foreman - OT	HR			100%	\$ -
	<i>Subtotal - RWs Labor & Equipment</i>					\$ -
Subcontractor						
	Office Administrator	HR	1800	\$ 68.25	100%	\$ 122,850.00
	Signal / Comm Supervisor	HR	1800	\$ 144.38	100%	\$ 259,875.00
	Signal / Comm Supervisor - OT (Based on 1Q&2Q2022)	HR	75	\$ 216.56	100%	\$ 16,242.19
	Signal / Comm Supervisor - DT (Based on 1Q&2Q2022)	HR	25	\$ 288.75	100%	\$ 7,218.75
	Signal Test Maintainer	HR	2000	\$ 135.16	100%	\$ 270,312.00
	Signal Test Maintainer - OT (Based on 1Q&2Q2022)	HR	75	\$ 180.95	100%	\$ 13,570.99
	Signal Test Maintainer - DT (Based on 1Q&2Q2022)	HR	25	\$ 270.31	100%	\$ 6,757.80
	Signal Maintainer (4) - HBS Requesting a 5th Maintainer	HR	9500	\$ 127.41	100%	\$ 1,210,366.50
	Signal Maintainer - OT (Based on 1Q&2Q2022) - 900	HR	900	\$ 169.80	100%	\$ 152,815.95
	Signal Maintainer - DT (Based on 1Q&2Q2022) - 350	HR	350	\$ 254.81	100%	\$ 89,184.90
	Vehicle - Signal / Comm Supervisor	Monthly	12	\$ 2,948.40	100%	\$ 35,380.80
	Vehicle - Signal Test Maintainer	Monthly	12	\$ 3,276.00	100%	\$ 39,312.00
	Vehicle - Signal Maintainers (4) - HBS Requesting a 5th	Monthly	12	\$ 16,380.00	100%	\$ 196,560.00
	Vehicle - Signal Test Maintainer &/or Signal Maintainer for Call-Outs	HR	1350	\$ 18.62	100%	\$ 25,132.28
	Vehicle - Sig/Comm Supv &/or Signal Engineer for Call-Outs	HR	100	\$ 18.62	100%	\$ 1,861.65
	Vehicle - Safety Manager	Monthly	12	\$ 712.80	100%	\$ 8,553.60
	Equipment - Bucket Truck	Monthly	12	\$ 4,050.00	100%	\$ 48,600.00
	Safety Manager - ST	HR	1080	\$ 68.12	100%	\$ 73,569.60
	Safety Manager - OT	HR	0	\$ 86.59	100%	\$ -
	Safety Manager - DT	HR	0	\$ 112.31	100%	\$ -
	<i>Subtotal - Subcontractor</i>					\$ 2,578,164.00
						SUBTOTAL: \$ 2,843,164.00
					Materials	10% Markup: \$ 26,500.00
					Subcontractor	5% Markup: \$ 128,908.20
					Supplies	15% Markup: \$ -
						TOTAL: \$ 2,998,572.20

2.p	Ladder / Fence / Traffic Support	U of M	QTY	Rate	Split	Total
Materials						
	Ladder Replacement Parts	LS	1	\$ 50,000.00	100%	\$ 50,000.00
	<i>Subtotal - Materials</i>					\$ 50,000.00
Subcontractor						
	Traffic Support	LS	1	\$ 38,000.00	100%	\$ 38,000.00
	Fence Repair / Replacement	LS	1	\$ 420,000.00	100%	\$ 420,000.00
	<i>Subtotal - Subcontractor</i>					\$ 458,000.00
						SUBTOTAL: \$ 508,000.00
					Materials	10% Markup: \$ 5,000.00
					Subcontractor	5% Markup: \$ 22,900.00
					Supplies	15% Markup: \$ -
						TOTAL: \$ 535,900.00

2.q	Security - Trench Cameras	U of M	QTY	Rate	Split	Total
	Motion Detector Replacement Parts	LS	1	\$ 2,500.00	100%	\$ 2,500.00
	Wire Replacement Subcontractor	LS	1	\$ 3,500.00	100%	\$ 3,500.00
	Camera Replacement Parts	LS	1	\$ 12,600.00	100%	\$ 12,600.00
	<i>Subtotal - Security - Trench Cameras</i>					\$ 18,600.00
						SUBTOTAL: \$ 18,600.00
					Materials	10% Markup: \$ 1,860.00
					Subcontractor	5% Markup: \$ -
					Supplies	15% Markup: \$ -
						TOTAL: \$ 20,460.00

2.r	Yard / Office Security / Maintenance / Support	U of M	QTY	Rate	Split	Total
Subcontractor						
	Security Guard Services	Monthly	12	\$ 17,500.00	100%	\$ 210,000.00
	Janitorial Services	Monthly	12	\$ 2,000.00	100%	\$ 24,000.00
	HVAC and Building Maintenance (Electrical, Mechanical, Pest)	Monthly	12	\$ 1,400.00	100%	\$ 16,800.00
	Quench / Dumpsters / Portable Sanitation / Pesticides	Monthly	12	\$ 1,600.00	100%	\$ 19,200.00
SUBTOTAL:						\$ 270,000.00
	Materials			10%	Markup:	\$ -
	Subcontractor			5%	Markup:	\$ 13,500.00
	Supplies			15%	Markup:	\$ -
TOTAL:						\$ 283,500.00

2.s	Underwater Bridge Inspection	U of M	QTY	Rate	Split	Total
Subcontractor						
	Underwater Bridge Inspection Subcontractor			\$ -	100%	\$ -
	(Completed in 2023. Occurs again in 2028.)					
SUBTOTAL:						\$ -
	Materials			10%	Markup:	\$ -
	Subcontractor			5%	Markup:	\$ -
	Supplies			15%	Markup:	\$ -
TOTAL:						\$ -

2.t	Trench Ditch Cleaning	U of M	QTY	Rate	Split	Total
Subcontractor						
	Hi-Rail Vac Truck if Required	Weeks	4	\$ 15,000.00	100%	\$ 60,000.00
	Disposal of Materials	LS	1	\$ 25,000.00	100%	\$ 25,000.00
SUBTOTAL:						\$ 85,000.00
	Materials			10%	Markup:	\$ -
	Subcontractor			5%	Markup:	\$ 4,250.00
	Supplies			15%	Markup:	\$ -
TOTAL:						\$ 89,250.00

2.w	Railroad Reporting & Record Keeping Software System	U of M	QTY	Rate	Split	Total
Subcontractor						
	Tier Based Management Fee	LS	1	\$ 40,000.00	100%	\$ 40,000.00
	Updates	LS	1	\$ 4,400.00	100%	\$ 4,400.00
SUBTOTAL:						\$ 44,400.00
	Materials			10%	Markup:	\$ -
	Subcontractor			5%	Markup:	\$ 2,220.00
	Supplies			15%	Markup:	\$ -
TOTAL:						\$ 46,620.00

2.x	Railroad Emergency Drill Exercise	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment						
	Track Foreman	HR	12	\$ 178.16	100%	\$ 2,137.92
	Crew Truck	HR	24	\$ 16.00	100%	\$ 384.00
	Track Laborer	HR	24	\$ 164.10	100%	\$ 3,938.40
<i>Subtotal - RWs Labor & Equipment</i>						\$ 6,460.32
Subcontractor						
	Maintenance of Traffic Subcontractor	LS	1	\$ 2,500.00	100%	\$ 2,500.00
<i>Subtotal - Subcontractor</i>						\$ 2,500.00
Supplies & Rental						
	Miscellaneous Supplies	LS	1	\$ 19,000.00	100%	\$ 19,000.00
<i>Subtotal - Supplies & Rentals</i>						\$ 19,000.00
SUBTOTAL:						\$ 27,960.32
	Materials			10%	Markup:	\$ -
	Subcontractor			5%	Markup:	\$ 125.00
	Supplies			15%	Markup:	\$ 2,850.00
TOTAL:						\$ 30,935.32

2.dd Bridge Inspections						
	U of M	QTY	Rate	Split	Total	
Subcontractor	LS	1	\$ 38,000.00	100%	\$	38,000.00
SUBTOTAL:						\$ 38,000.00
	Materials		10%	Markup:	\$	-
	Subcontractor		5%	Markup:	\$	1,900.00
	Supplies		15%	Markup:	\$	-
	TOTAL:					\$ 39,900.00

2.ee Communication System Repair						
	U of M	QTY	Rate	Split	Total	
Placeholder	LS	1	\$ 4,000,000.00	100%	\$	4,000,000.00
SUBTOTAL:						\$ 4,000,000.00
	Materials		10%	Markup:		
	Subcontractor		5%	Markup:		
	Supplies		15%	Markup:		
	TOTAL:					\$ 4,000,000.00

Attachments 4 – Proposed 2024 MOW Capital Costs Detail

3. Draft Proposed CY2024 Capital Program

Cost Code

3.a

Surfacing	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment					
Operators	Hour	96	\$ 129.95	100%	\$ 12,475.20
Truck	Hour	96	\$ 16.00	100%	\$ 1,536.00
<i>Subtotal - RWs Labor & Equipment</i>					\$ 14,011.20
Subcontractor					
Subcontractor Tamping & Regulating - LazerWest	Day	70	\$ 6,000.00	100%	\$ 420,000.00
Signal Support	Day	70	\$ 1,151.52	100%	\$ 80,606.40
Subcontract Equipment Trucking	LS	12	\$ 6,000.00	100%	\$ 72,000.00
<i>Subtotal - Subcontractor</i>					\$ 572,606.40

SUBTOTAL: \$ 586,617.60

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	28,630.32
Supplies	15%	Markup: \$	-
		TOTAL: \$	615,247.92

3.c

Reballast Program (Labor & Equipment Combined)	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment					
Foreman	Hour	256	\$ 105.15	100%	\$ 26,918.40
Laborers	Hour	1024	\$ 98.12	100%	\$ 100,474.88
Operators	Hour	768	\$ 129.95	100%	\$ 99,801.60
Flagger	Hour	256	\$ 105.15	100%	\$ 26,918.40
Hi-Rail Rotary Dump Truck	Hour	256	\$ 42.00	100%	\$ 10,752.00
Ballast Regulator	Hour	256	\$ 99.00	100%	\$ 25,344.00
Crew Truck	Hour	256	\$ 31.00	100%	\$ 7,936.00
Flagger Truck	Hour	256	\$ 16.00	100%	\$ 4,096.00
<i>Subtotal - RWs Labor & Equipment</i>					\$ 302,241.28
Supplies & Rental					
Front End Loader	Month	4	\$ 9,000.00	100%	\$ 36,000.00
Mobilizations (Loaders, Regulators, Hi-Rail Dump Truck)	LS	1	\$ 25,000.00	100%	\$ 25,000.00
<i>Subtotal - Supplies & Rental</i>					\$ 61,000.00

SUBTOTAL: \$ 363,241.28

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	9,150.00
		TOTAL: \$	372,391.28

3.d

Reballast Program - Ballast	U of M	QTY	Rate	Split	Total
Ballast	Ton	1000	\$ 60.00	100%	\$ 60,000.00
<i>Subtotal - Ballast</i>					\$ -

SUBTOTAL: \$ 60,000.00

Materials	10%	Markup: \$	6,000.00
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	66,000.00

3.f	Capital Program Rail Grinding	U of M	QTY	Rate	Split	Total	
RailWorks Labor & Equipment							
	Foreman	HR	80	\$ 105.15	50%	\$ 4,206.00	
	Laborer	HR	80	\$ 98.12	50%	\$ 3,924.80	
	Operator for Water Wagon	HR	80	\$ 129.95	50%	\$ 5,198.00	
	F350 HiRail Crew Truck	HR	80	\$ 16.00	50%	\$ 640.00	
	<i>Subtotal - RWs Labor & Equipment</i>					\$	13,968.80
Subcontractor							
	Mainline Grinding Subcontractor Mobilization - LORAM	LS	1	\$ 20,000.00	50%	\$ 10,000.00	
	Mainline Grinding Contractor Basic Charge - LORAM	Daily	6	\$ 80,000.00	50%	\$ 240,000.00	
	Mainline Grinding Production Charge - LORAM per Pass Mile over 25	Miles	20	\$ 1,800.00	50%	\$ 18,000.00	
	Mainline Grinding Pre-Grind Survey Mobilization	LS	1	\$ 12,500.00	50%	\$ 6,250.00	
	Mainline Grinding Pre-Grind Survey Daily Rate	Daily	3	\$ 11,000.00	50%	\$ 16,500.00	
	Signal Support	Daily	6	\$ 1,151.52	50%	\$ 3,454.56	
	<i>Subtotal - Subcontractor</i>					\$	294,204.56
Supplies & Rental							
	Fuel for Grinder	Gallon	6000	\$ 7.00	50%	\$ 21,000.00	
	Water Truck Rental	Monthly	1	\$ 7,500.00	50%	\$ 3,750.00	
	<i>Subtotal - Supplies & Rental</i>					\$	24,750.00
Total is split 50/50 between R.R. M&O Cost (2.m) and Capital						SUBTOTAL: \$	332,923.36
				Materials	10%	Markup: \$	-
				Subcontractor	5%	Markup: \$	14,710.23
				Supplies	15%	Markup: \$	3,712.50
						TOTAL: \$	351,346.09

3.h-2	Replace 20 Frogs	U of M	QTY	Rate	Split	Total	
RailWorks Labor & Equipment							
	Foreman	Hour	160	\$ 105.15	100%	\$ 16,824.00	
	Laborers	Hour	320	\$ 98.12	100%	\$ 31,398.40	
	Operators	Hour	160	\$ 129.95	100%	\$ 20,792.00	
	Welder	Hour	320	\$ 100.14	100%	\$ 32,044.80	
	Welder Helper	Hour	320	\$ 98.12	100%	\$ 31,398.40	
	Flagger	Hour	320	\$ 105.15	100%	\$ 33,648.00	
	Foreman Truck	Hour	160	\$ 31.00	100%	\$ 4,960.00	
	Welding Truck	Hour	320	\$ 42.00	100%	\$ 13,440.00	
	CWR Rail Heater / Vibrator	Hour	160	\$ 67.00	100%	\$ 10,720.00	
	Rail Saw	Hour	160	\$ 12.00	100%	\$ 1,920.00	
	Rail Drill	Hour	160	\$ 12.00	100%	\$ 1,920.00	
	Mobile Power Pack	Hour	160	\$ 12.00	100%	\$ 1,920.00	
	Flagger Truck	Hour	320	\$ 16.00	100%	\$ 5,120.00	
	<i>Subtotal - RWs Labor & Equipment</i>					\$	206,105.60
Materials							
	#10 RBM Frogs	EA	2	\$ 23,000.00	100%	\$ 46,000.00	
	#14 RBM Frogs	EA	10	\$ 22,000.00	100%	\$ 220,000.00	
	#20 RBM Frogs	EA	8	\$ 26,500.00	100%	\$ 212,000.00	
	Thermite Weld Kits	EA	80	\$ 150.00	100%	\$ 12,000.00	
	<i>Subtotal - Materials</i>					\$	490,000.00
Subcontractor							
	Signal Support	Day	20	\$ 1,151.52	100%	\$ 23,030.40	
	Trucking Sub	Day	10	\$ 1,500.00	100%	\$ 15,000.00	
	<i>Subtotal - Subcontractor</i>					\$	38,030.40
						SUBTOTAL: \$	734,136.00
				Materials	10%	Markup: \$	49,000.00
				Subcontractor	5%	Markup: \$	1,901.52
				Supplies	15%	Markup: \$	-
						TOTAL: \$	785,037.52

3.h-3	Replace 40 Switch Points and Stock Rails	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment						
	Foreman	Hour	160	\$ 105.15	100%	\$ 16,824.00
	Laborers	Hour	480	\$ 98.12	100%	\$ 47,097.60
	Operators	Hour	320	\$ 129.95	100%	\$ 41,584.00
	Welder	Hour	160	\$ 100.14	100%	\$ 16,022.40
	Welder Helper	Hour	160	\$ 98.12	100%	\$ 15,699.20
	Flagger	Hour	160	\$ 105.15	100%	\$ 16,824.00
	Foreman Truck	Hour	160	\$ 31.00	100%	\$ 4,960.00
	Welding Truck	Hour	160	\$ 42.00	100%	\$ 6,720.00
	CWR Rail Heater / Vibrator	Hour	160	\$ 67.00	100%	\$ 10,720.00
	Rail Saw	Hour	160	\$ 12.00	100%	\$ 1,920.00
	Rail Drill	Hour	160	\$ 12.00	100%	\$ 1,920.00
	Mobile Power Pack	Hour	160	\$ 12.00	100%	\$ 1,920.00
	Flagger Truck	Hour	160	\$ 16.00	100%	\$ 2,560.00
	<i>Subtotal - RWs Labor & Equipment</i>					\$ 184,771.20
Materials						
	Switch Points	EA	20	\$ 10,500.00	100%	\$ 210,000.00
	Stock Rails	EA	20	\$ 6,800.00	100%	\$ 136,000.00
	Thermite Weld Kits	EA	60	\$ 150.00	100%	\$ 9,000.00
	<i>Subtotal - Materials</i>					\$ 355,000.00
Subcontractor						
	Signal Support	Day	20	\$ 1,151.52	100%	\$ 23,030.40
	Trucking Sub	Day	10	\$ 1,500.00	100%	\$ 15,000.00
	<i>Subtotal - Subcontractor</i>					\$ 38,030.40
SUBTOTAL:						\$ 577,801.60
	Materials	10%	Markup:	\$ 35,500.00		
	Subcontractor	5%	Markup:	\$ 1,901.52		
	Supplies	15%	Markup:	\$ -		
TOTAL:						\$ 615,203.12

3.h-5	Insulated Joint Replacement	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment						
	Foreman	Hour	120	\$ 105.15	100%	\$ 12,618.00
	Laborers	Hour	120	\$ 98.12	100%	\$ 11,774.40
	Operators	Hour	120	\$ 129.95	100%	\$ 15,594.00
	Welder	Hour	120	\$ 100.14	100%	\$ 12,016.80
	Welder Helper	Hour	120	\$ 98.12	100%	\$ 11,774.40
	Flagger	Hour	120	\$ 105.15	100%	\$ 12,618.00
	Foreman Truck	Hour	120	\$ 31.00	100%	\$ 3,720.00
	Welding Truck	Hour	120	\$ 42.00	100%	\$ 5,040.00
	CWR Rail Heater / Vibrator	Hour	120	\$ 67.00	100%	\$ 8,040.00
	Rail Saw	Hour	120	\$ 12.00	100%	\$ 1,440.00
	Rail Drill	Hour	120	\$ 12.00	100%	\$ 1,440.00
	Mobile Power Pack	Hour	120	\$ 12.00	100%	\$ 1,440.00
	Flagger Truck	Hour	120	\$ 16.00	100%	\$ 1,920.00
	<i>Subtotal - RWs Labor & Equipment</i>					\$ 99,435.60
Materials						
	Thermite Welds	EA	40	\$ 150.00	100%	\$ 6,000.00
	Insulated Joint Plug Rails	EA	20	\$ 2,950.00	100%	\$ 59,000.00
	<i>Subtotal - Materials</i>					\$ 65,000.00
Subcontractor						
	Signal Support	Day	12	\$ 1,151.52	100%	\$ 13,818.24
	<i>Subtotal - Subcontractor</i>					\$ 13,818.24
SUBTOTAL:						\$ 178,253.84
	Materials	10%	Markup:	\$ 6,500.00		
	Subcontractor	5%	Markup:	\$ 690.91		
	Supplies	15%	Markup:	\$ -		
TOTAL:						\$ 185,444.75

3.o	Pump Station Upgrades	U of M	QTY	Rate	Split	Total
	Materials	LS	1	\$ 80,000.00	100%	\$ 80,000.00
	Subcontractor	LS	1	\$ 145,000.00	100%	\$ 145,000.00
SUBTOTAL:						\$ 225,000.00
	Materials			10%	Markup: \$	8,000.00
	Subcontractor			5%	Markup: \$	7,250.00
	Supplies			15%	Markup: \$	-
TOTAL:						\$ 240,250.00

3.r	Trench Emergency Ladder, Stair Study, & Repairs	U of M	QTY	Rate	Split	Total
	Materials - Parts and other materials	LS	1	\$ 60,000.00	100%	\$ 60,000.00
	Subcontractor	LS	1	\$ 60,000.00	100%	\$ 60,000.00
SUBTOTAL:						\$ 120,000.00
	Materials			10%	Markup: \$	6,000.00
	Subcontractor			5%	Markup: \$	3,000.00
	Supplies			15%	Markup: \$	-
TOTAL:						\$ 129,000.00

3.aa-1	Replace Long Beach Diamonds (procurement into 2024)	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment						
	Foreman	Hour	100	\$ 105.15	100%	\$ 10,515.00
	Laborers (x4)	Hour	400	\$ 98.12	100%	\$ 39,248.00
	Operators (x2)	Hour	200	\$ 129.95	100%	\$ 25,990.00
	Welder	Hour	100	\$ 100.14	100%	\$ 10,014.00
	Welder Helper	Hour	100	\$ 98.12	100%	\$ 9,812.00
	Flagger	Hour	100	\$ 105.15	100%	\$ 10,515.00
	Foreman Truck	Hour	100	\$ 31.00	100%	\$ 3,100.00
	Welding Truck	Hour	100	\$ 42.00	100%	\$ 4,200.00
	CWR Rail Heater / Vibrator	Hour	40	\$ 67.00	100%	\$ 2,680.00
	Rail Saw	Hour	80	\$ 12.00	100%	\$ 960.00
	Rail Drill	Hour	80	\$ 12.00	100%	\$ 960.00
	Mobile Power Pack	Hour	80	\$ 12.00	100%	\$ 960.00
	Flagger Truck	Hour	100	\$ 16.00	100%	\$ 1,600.00
<i>Subtotal - RWs Labor & Equipment</i>						\$ 120,554.00
Materials						
	Thermite Welds	EA	24	\$ 150.00	100%	\$ 3,600.00
	Ballast	Ton	150	\$ 60.00	100%	\$ 9,000.00
	Diamonds	LS	1	\$ 550,000.00	100%	\$ 550,000.00
	Insulated Joint Plug Rails	EA	12	\$ 2,950.00	100%	\$ 35,400.00
<i>Subtotal - Materials</i>						\$ 598,000.00
Subcontractor						
	Signal Support	Day	5	\$ 1,151.52	100%	\$ 5,757.60
	Subcontract Tamping	Day	2	\$ 6,000.00	100%	\$ 12,000.00
	Subcontract Tamping Mobilization	LS	1	\$ 12,000.00	100%	\$ 12,000.00
<i>Subtotal - Subcontractor</i>						\$ 29,757.60
Supplies & Rental						
	Front End Loader Rental (2x)	Month	2	\$ 9,000.00	100%	\$ 18,000.00
	Front End Loader Mobilization	Ea	4	\$ 2,700.00	100%	\$ 10,800.00
<i>Subtotal - Supplies & Rental</i>						\$ 28,800.00
SUBTOTAL:						\$ 777,111.60
	Materials			10%	Markup: \$	59,800.00
	Subcontractor			5%	Markup: \$	1,487.88
	Supplies			15%	Markup: \$	4,320.00
TOTAL:						\$ 842,719.48

3.gg-3	Curve Rail Replacement (Furnish and Install 2,040 LF)	U of M	QTY	Rate	Split	Total	
RailWorks Labor & Equipment							
	Foreman	Hour	64	\$ 105.15	100%	\$ 6,729.60	
	Laborers	Hour	448	\$ 98.12	100%	\$ 43,957.76	
	Operators	Hour	128	\$ 129.95	100%	\$ 16,633.60	
	Welder	Hour	64	\$ 100.14	100%	\$ 6,408.96	
	Welder Helper	Hour	64	\$ 98.12	100%	\$ 6,279.68	
	Flagger	Hour	64	\$ 105.15	100%	\$ 6,729.60	
	Foreman Truck	Hour	128	\$ 31.00	100%	\$ 3,968.00	
	Welding Truck	Hour	64	\$ 42.00	100%	\$ 2,688.00	
	CWR Rail Heater / Vibrator	Hour	64	\$ 67.00	100%	\$ 4,288.00	
	Rail Saw	Hour	64	\$ 12.00	100%	\$ 768.00	
	Rail Drill	Hour	64	\$ 12.00	100%	\$ 768.00	
	Mobile Power Pack	Hour	64	\$ 12.00	100%	\$ 768.00	
	Flagger Truck	Hour	64	\$ 16.00	100%	\$ 1,024.00	
	Flash-Butt Welding Truck	Hour	40	\$ 231.00	100%	\$ 9,240.00	
	Flash Weld Support Truck - F350 HR	Hour	40	\$ 16.00	100%	\$ 640.00	
	Carryover from 2023 Budgeted Amount Not Utilized	LS	1	\$ 135,000.00	100%	\$ 135,000.00	
	<i>Subtotal - RWs Labor & Equipment</i>						\$ 245,891.20
Materials							
	Rail - 136RE, HH, 80' Lengths, Blank	Ton	47.15	\$ 2,500.00	100%	\$ 117,875.00	
	Rail Seat Pads, Insulators, Clips (per tie)	Each	520	\$ 18.00	100%	\$ 9,360.00	
	Weld Kits	Each	10	\$ 150.00	100%	\$ 1,500.00	
	<i>Subtotal - Materials</i>						\$ 128,735.00
Subcontractor							
	Signal Support	Day	5	\$ 1,151.52	100%	\$ 5,757.60	
	<i>Subtotal - Subcontractor</i>						\$ 5,757.60
Supplies & Rental							
	Front End Loader Rental	Month	2	\$ 9,000.00	100%	\$ 18,000.00	
	<i>Subtotal - Supplies & Rental</i>						\$ 18,000.00

SUBTOTAL: \$ 398,383.80

Materials	10%	Markup: \$	12,873.50
Subcontractor	5%	Markup: \$	287.88
Supplies	15%	Markup: \$	2,700.00
		TOTAL: \$	414,245.18

3.II	Fixed Trench Ladders	U of M	QTY	Rate	Split	Total
	Subcontractor Labor, Equipment & Materials	LS	4	\$ 100,000.00	100%	\$ 400,000.00

SUBTOTAL: \$ 400,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	20,000.00
Supplies	15%	Markup: \$	-
		TOTAL: \$	420,000.00

3.mm	Miscellaneous Trench Structure Repairs	U of M	QTY	Rate	Split	Total
	Subcontractor - Labor, Equipment & Materials	LS	1	\$ 60,000.00	100%	\$ 60,000.00

SUBTOTAL: \$ 60,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	3,000.00
Supplies	15%	Markup: \$	-
		TOTAL: \$	63,000.00

3.nn	Replace Compton Bridge Deck Ties - Track 3 & Track 2	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment (44 Bays at 2 Bays per Shift)						
	Foreman & Flagger	Hour	800	\$ 105.15	100%	\$ 84,120.00
	Laborers	Hour	1400	\$ 98.12	100%	\$ 137,368.00
	Operators	Hour	400	\$ 129.95	100%	\$ 51,980.00
					100%	\$ -
	Foreman Truck x2	Hour	800	\$ 31.00	100%	\$ 24,800.00
	Flagger Truck	Hour	200	\$ 16.00	100%	\$ 3,200.00
	Grapple Truck	Hour	200	\$ 64.00	100%	\$ 12,800.00
	Hi-Rail Excavator	Month	3	\$ 11,000.00	100%	\$ 33,000.00
	Rail Cart	Hour	200	\$ 12.00	100%	\$ 2,400.00
	Mobile Power Pack	Hour	200	\$ 12.00	100%	\$ 2,400.00
	Hydraulic Tools x 2	Hour	400	\$ 24.00	100%	\$ 9,600.00
	Labor Carryover from 2023	LS	1	\$ 350,000.00	100%	\$ 350,000.00
	<i>Subtotal - RWs Labor & Equipment</i>					\$ 711,668.00
Materials						
	Bridge Timber	Each	300	\$ 500.00	100%	\$ 150,000.00
	Sidewalk Timbers	Each	150	\$ 300.00	100%	\$ 45,000.00
	Timber Guard	Each	120	\$ 175.00	100%	\$ 21,000.00
	Rolled Pandrol Tie Plates - 136RE, 4R/2SQ	Each	600	\$ 30.00	100%	\$ 18,000.00
	E-Clips - RH Galvanized	Each	1200	\$ 10.00	100%	\$ 12,000.00
	15/16" x 6-1/2" Evergrip Coach Screws	Each	2400	\$ 6.00	100%	\$ 14,400.00
	Rail - 136RE (500TF plus waste)	Ton	26	\$ 1,936.00	100%	\$ 50,336.00
	Weld Kits	Each	30	\$ 138.00	100%	\$ 4,140.00
	Miscellaneous Hardware	LS	1	\$ 8,250.00	100%	\$ 8,250.00
	Fall Protection Materials	LS	1	\$ 11,000.00	100%	\$ 11,000.00
	<i>Subtotal - Materials</i>					\$ 334,126.00
Subcontractor						
	Tie Disposal	EA	600	\$ 22.00	100%	\$ 13,200.00
	Signal Support	Day	40	\$ 1,151.52	100%	\$ 46,060.80
	<i>Subtotal - Subcontractor</i>					\$ 59,260.80

SUBTOTAL: \$ 1,105,054.80

Materials	10%	Markup: \$	33,412.60
Subcontractor	5%	Markup: \$	2,963.04
Supplies	15%	Markup: \$	-
		TOTAL: \$	1,141,430.44

3.00	Replacement of M23A Switches Machines	U of M	QTY	Rate	Split	Total
	M23A Switch Machine Materials - Refurbishments	EA	4	\$ 25,000.00	100%	\$ 100,000.00
						\$ -

SUBTOTAL: \$ 100,000.00

Materials	10%	Markup: \$	10,000.00
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	-
		TOTAL: \$	110,000.00

3.qq	Furnish and Replace Rail Lubricator Systems	U of M	QTY	Rate	Split	Total
RailWorks Labor & Equipment						
	Foreman	Hour	40	\$ 105.15	100%	\$ 4,206.00
	Laborers	Hour	80	\$ 98.12	100%	\$ 7,849.60
	Foreman Truck	Hour	40	\$ 31.00	100%	\$ 1,240.00
	<i>Subtotal - RWs Labor & Equipment</i>					\$ 13,295.60
Furnish and Replace Rail Lubricator Systems						
	Rail Wheel Lubricator System	EA	2	\$ 44,500.00	100%	\$ 89,000.00
	<i>Subtotal - Materials</i>					\$ 89,000.00
						SUBTOTAL: \$ 102,295.60
						Materials 10% Markup: \$ 8,900.00
						Subcontractor 5% Markup: \$ -
						Supplies 15% Markup: \$ -
						TOTAL: \$ 111,195.60

3.rr	Corridor Signal Modernization - Construction	U of M	QTY	Rate	Split	Total
Materials						
					100%	\$ -
	<i>Subtotal - Materials</i>					\$ -
Subcontractor						
		LS	1	\$ 3,809,523.81	100%	\$ 3,809,523.81
	<i>Subtotal - Subcontractor</i>					\$ 3,809,523.81
						SUBTOTAL: \$ 3,809,523.81
						Materials 10% Markup: \$ -
						Subcontractor 5% Markup: \$ 190,476.19
						Supplies 15% Markup: \$ -
						TOTAL: \$ 4,000,000.00

Attachments 5 – Proposed 2024 O&M Budget

Alameda Corridor - Proposed Draft CY2024 Operations & Maintenance (O&M) Budget

		Calendar Year 2024						Amended Calendar Year 2023			
		Basis of Apportionment		R.R. M & O Rail	Reserve Account Non-	ACTA Operating	Total	R.R. M & O Rail Cost	Reserve Account Non-	ACTA Operating	Total
		GR Ton MI	Train MI	Cost (A)	Rail Cost (B)	Budget Cost (C)		(A)	Rail Cost (B)	Budget Cost (C)	
I. Labor & Operations Maintenance: (1. Labor, 2. Operations Maintenance)											
1.a.i	Contract Manager		TM	\$ 245,252.00	\$ 70,072.00	\$ 35,036.00	\$ 350,360.00	\$ 227,486.00	\$ 64,996.00	\$ 32,498.00	\$ 324,980.00
1.a.ii	Track Supervisor	GTM		211,424.00	52,856.00	-	264,280.00	205,248.00	51,312.00	-	256,560.00
1.a.iii	Safety Supervisor	GTM		211,424.00	52,856.00	-	264,280.00	205,248.00	51,312.00	-	256,560.00
1.a.iv	Office Manager		TM	72,610.00	72,610.00	-	145,220.00	59,870.00	59,870.00	-	119,740.00
1.a.v	Office Assistant		TM	-	-	-	-	59,870.00	59,870.00	-	119,740.00
1.b	Track Inspector	GTM		225,908.64	-	-	225,908.64	211,541.68	-	-	211,541.68
1.b.i	Track Foreman	GTM		436,208.64	-	-	436,208.64	423,083.36	-	-	423,083.36
1.b.ii	Assistant Foreman	GTM		-	-	-	-	-	-	-	-
1.b.iii	Track Laborers	GTM		779,402.52	19,984.68	-	799,387.20	761,899.87	19,535.89	-	781,435.76
1.b.iv	Equipment Operators		TM	378,495.87	30,688.85	-	409,184.72	388,674.22	9,966.01	-	398,640.23
1.b.v	Welder	GTM		415,326.56	-	-	415,326.56	410,144.86	-	-	410,144.86
1.b.vi	Welder Helper	GTM		210,667.20	-	-	210,667.20	195,358.94	-	-	195,358.94
1.b.vii	Laborer (Non-Rail)		TM	-	210,667.20	-	210,667.20	-	195,358.94	-	195,358.94
1.b.viii	Foreman (Non-Rail)		TM	-	225,908.64	-	225,908.64	-	211,541.68	-	211,541.68
1.b.ix	Track Superintendent	GTM		138,417.16	138,417.16	-	276,834.32	134,166.71	134,166.71	-	268,333.41
2.b	Pump Station Maintenance		TM	-	16,512.00	-	16,512.00	-	15,480.00	-	15,480.00
2.b.i	Pump Station Repairs and Supplies (Subcontractor)		TM	-	34,815.00	-	34,815.00	-	34,815.00	-	34,815.00
2.c	AEI & Other Communications Maintenance		TM	272,207.54	-	164,863.01	437,070.55	244,287.00	-	147,952.89	392,239.89
2.d	Rail Flaw Detection (Subcontractor)	GTM		75,600.00	-	-	75,600.00	63,000.00	-	-	63,000.00
2.e	Graffiti Control		TM	-	31,912.00	-	31,912.00	-	30,726.00	-	30,726.00
2.f	Weed Abatement (Subcontractor)		TM	67,344.00	16,836.00	-	84,180.00	56,390.40	14,097.60	-	70,488.00
2.g	Safety Training (Subcontractor)		TM	29,006.25	5,118.75	-	34,125.00	29,006.25	5,118.75	-	34,125.00
2.h	Safety Management		TM	20,750.63	3,661.88	-	24,412.50	20,750.63	3,661.88	-	24,412.50
2.i	Vehicles	GTM		292,572.00	97,524.00	-	390,096.00	273,996.00	91,332.00	-	365,328.00
2.l	Full-Time Equipment	GTM		341,472.00	-	-	341,472.00	288,960.00	-	-	288,960.00
2.m	Maintenance Program Rail Grinding - (50% of Total Cost)	GTM		351,346.09	-	-	351,346.09	347,415.45	-	-	347,415.45
2.n	Track Materials / Supplies / Rentals	GTM		331,200.00	-	-	331,200.00	303,600.00	-	-	303,600.00
2.o	Signal Maintenance (Subcontractor)		TM	2,998,572.20	-	-	2,998,572.20	2,233,564.58	-	-	2,233,564.58
2.p	Ladder / Fence / Traffic Support (Subcontractor)		TM	-	535,900.00	-	535,900.00	-	307,461.00	-	307,461.00
2.q	Security - Trench Cameras		TM	14,322.00	5,115.00	1,023.00	20,460.00	14,322.00	5,115.00	1,023.00	20,460.00
2.r	Security / Yard & Office Maintenance & Support (Subcontractor)		TM	283,500.00	-	-	283,500.00	259,182.00	-	-	259,182.00
2.s	Underwater Bridge Inspection (Completed in 2023. Occurs again in 2028.)		TM	-	-	-	-	51,187.50	-	-	51,187.50
2.t	Trench Ditch Cleaning		TM	-	89,250.00	-	89,250.00	-	73,500.00	-	73,500.00
2.v	Replace Signal Wire on the Corridor (Subcontractor)		TM	-	-	-	-	-	-	-	-
2.w	Railroad Reporting and Record Keeping Software System (Subcontractor)		TM	46,620.00	-	-	46,620.00	46,620.00	-	-	46,620.00
2.x	Railroad Emergency Drill Exercise		TM	30,935.32	-	-	30,935.32	29,808.04	-	-	29,808.04
2.dd	Bridge Inspections (Subcontractor)	GTM		39,900.00	-	-	39,900.00	-	-	-	-
2.ee	Communication System Repair	GTM		4,000,000.00	-	-	4,000,000.00	4,000,000.00	-	-	4,000,000.00
Subtotal Labor & Operations Maintenance				\$ 12,520,484.61	\$ 1,710,705.16	\$ 200,922.01	\$ 14,432,111.78	\$ 11,544,681.48	\$ 1,439,236.45	\$ 181,473.89	\$ 13,165,391.82

Calendar Year 2024

Amended Calendar Year 2023

	Calendar Year 2024					Amended Calendar Year 2023				
	<u>Basis of Apportionment</u>	<u>R.R. M & O Rail</u>	<u>Reserve Account Non-</u>	<u>ACTA Operating</u>	<u>Total</u>	<u>R.R. M & O Rail Cost</u>	<u>Reserve Account Non-</u>	<u>ACTA Operating</u>	<u>Total</u>	
	<u>GR Ton MI</u>	<u>Train MI</u>	<u>Cost (A)</u>	<u>Rail Cost (B)</u>		<u>(A)</u>	<u>Rail Cost (B)</u>	<u>Budget Cost (C)</u>		
II. Capital Costs										
3.a	Surfacing & Mobilization		\$ -	\$ 615,247.92	\$ -	\$ 615,247.92	\$ -	\$ 549,390.90	\$ -	\$ 549,390.90
3.c	Reballast Program - Labor & Equipment		-	372,391.28	-	372,391.28	-	347,870.80	-	347,870.80
3.d	Reballast Program - Ballast		-	66,000.00	-	66,000.00	-	63,800.00	-	63,800.00
3.f	Capital Program Rail Grinding - (50% of Total Cost)		-	351,346.09	-	351,346.09	-	347,415.45	-	347,415.45
3.b-2	Replace 20 Frogs		-	785,037.52	-	785,037.52	-	733,036.80	-	733,036.80
3.b-3	Replace 40 Switch Point and Stock Rail		-	615,203.12	-	615,203.12	-	519,476.80	-	519,476.80
3.b-5	Insulated Joint Replacement		-	185,444.75	-	185,444.75	-	286,816.25	-	286,816.25
3.o	Pump Station Upgrades (Subcontractor)		-	240,250.00	-	240,250.00	-	234,850.00	-	234,850.00
3.r	Trench Emergency Ladder, Stair Study, & Repairs (Subcontractor)		-	129,000.00	-	129,000.00	-	129,000.00	-	129,000.00
3.y	Signal Battery Replacement		-	-	-	-	-	121,000.00	-	121,000.00
3.aa-1	Replace Long Beach Diamonds (procurement into 2024)		-	842,719.48	-	842,719.48	-	-	-	-
3.gg-3	Curve Rail Replacement		-	414,245.18	-	414,245.18	-	1,177,293.85	-	1,177,293.85
3.ii	Fixed Trench Ladders (Subcontractor)		-	420,000.00	-	420,000.00	-	420,000.00	-	420,000.00
3.mm	Miscellaneous Trench Structure Repairs (Subcontractor)		-	63,000.00	-	63,000.00	-	63,000.00	-	63,000.00
3.nn	Compton Bridges - Replace Deck Ties		-	1,141,430.44	-	1,141,430.44	-	850,273.10	-	850,273.10
3.oo	Replacement of M23A Switches Machines		-	110,000.00	-	110,000.00	-	110,000.00	-	110,000.00
3.pp	Signal Module VHLC Replacements to XLC		-	-	-	-	-	155,713.95	-	155,713.95
3.qq	Furnish and Replace Rail Lubricator Systems		-	111,195.60	-	111,195.60	-	102,602.00	-	102,602.00
3.rr	Corridor Signal Modernization - Construction		-	4,000,000.00	-	4,000,000.00	-	-	-	-
	Subtotal Capital Costs		\$ -	\$ 10,462,511.38	\$ -	\$ 10,462,511.38	\$ -	\$ 6,211,539.90	\$ -	\$ 6,211,539.90
	Subtotal of I & II		\$ 12,520,484.61	\$ 12,173,216.54	\$ 200,922.01	\$ 24,894,623.16	\$ 11,544,681.48	\$ 7,650,776.35	\$ 181,473.89	\$ 19,376,931.72
	Multiple use contingency for 2024, not in MOW Budget but included in O&M Total					\$ 500,000.00				\$ 500,000.00
III. Operating & Other Costs										
	Insurance (annual amount) (7)	TM	\$ 2,797,376.61	\$ -	\$ -	\$ 2,797,376.61	\$ 1,863,000.00	\$ -	\$ -	\$ 1,863,000.00
	Dispatching (1)	(8)	682,257.36	-	-	682,257.36	662,385.79	-	-	662,385.79
	Security - Labor (2)	(8)	2,496,316.00	-	-	2,496,316.00	1,455,116.00	-	-	1,455,116.00
	Security - Equipment (3)	(8)	498,874.00	-	-	498,874.00	281,540.40	-	-	281,540.40
	Utilities	TM	220,000.00	-	-	220,000.00	220,000.00	-	-	220,000.00
	Storm Water Discharge Permits, Water Testing & Support Services (4)	TM	75,000.00	-	-	75,000.00	75,000.00	-	-	75,000.00
	Provide 3rd Party Security Monitoring & Support Services	TM	3,500.00	-	-	3,500.00	4,000.00	-	-	4,000.00
	M&O or Capital Reserve Support Service (5)	TM	684,455.00	293,338.00	-	977,793.00	698,400.00	264,827.00	-	963,227.00
	Communications Network and Alarm/Phone Upgrades and Renewals	TM	30,000.00	-	-	30,000.00	35,000.00	-	-	35,000.00
	PRE Signal Plan Updates for Various Control Points & Board Replacements	TM	550,000.00	-	-	550,000.00	30,000.00	-	-	30,000.00
	Extraordinary Right-of-Way Cleanup (including hazardous waste removal)	TM	217,000.00	-	-	217,000.00	175,000.00	-	-	175,000.00
	AEI Readers Component Replacements (6)	Special Apportionment	-	-	-	-	15,575.00	-	9,425.00	25,000.00
	Other M&O		-	-	-	20,000.00	-	-	-	-
	Subtotal Operating & Other Costs		\$ 8,274,778.97	\$ 293,338.00	\$ -	\$ 8,568,116.97	\$ 5,515,017.19	\$ 264,827.00	\$ 9,425.00	\$ 5,789,269.19
	Total of I, II, & III		\$ 20,795,263.58	\$ 12,466,554.54	\$ 200,922.01	\$ 33,962,740.13	\$ 17,059,698.67	\$ 7,915,603.35	\$ 190,898.89	\$ 25,666,200.91

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

(4) Includes annual fees

(5) Split based on work estimates

(6) Split based upon allocation plan for installation & maintenance agreed to by ACTA and the Railroads

(7) Estimate based on 2023 plus 10% increase

(8) Apportionment between Railroads based upon private agreement between the parties.

(A) Costs paid by Railroads prorated among carriers

(B) Costs paid by ACTA from the Reserve Account

(C) Costs paid by ACTA