

# TRANSMITTAL 1



November 1, 2024

**To:** Parties listed on Exhibit A

**Subject:** Notice of Mutual Agreement No. 2024-4 - Request for Approval under Amended and Restated Alameda Corridor Use and Operating Agreement

**Matter:** Approve Proposed Alameda Corridor Calendar Year 2025 Maintenance of Way Budget and 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 Mutual Agreement (as defined in the Agreement). Mutual Agreement requires the approval from at least three of the following parties: BNSF, UP, POLB, and POLA. 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. 2024-4, 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 10, 2024. 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".

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](mailto:gene_seroka@portla.org)

Port of Long Beach  
415 W. Ocean Blvd., 11th Floor  
Long Beach, CA 90802  
Attn: Chief Executive Officer  
Email: [mario.cordero@polb.com](mailto: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](mailto:olivia.power@bnsf.com)

Union Pacific Railroad Company  
1400 Douglas Street -Stop 1160  
Omaha, Nebraska 68179  
Attn: Executive Vice President of Operations  
Email: [jointfacility@up.com](mailto:jointfacility@up.com)

**Cc:**

[Email: katherine.sieverson@bnsf.com](mailto:katherine.sieverson@bnsf.com)

[Email: jbarager@up.com](mailto:jbarager@up.com)

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[Email: hmcloskey@portla.org](mailto:hmcloskey@portla.org)

[Email: thomas.oh@longbeach.gov](mailto:thomas.oh@longbeach.gov)

**EXHIBIT B**

**NOTICE OF MUTUAL AGREEMENT**

**Number:** 2024-4

**Subject:** Approval for the Alameda Corridor Calendar Year 2025 Maintenance of Way (MOW) and Operations & Maintenance Budget

**Recommendation:**

1. Approve the proposed 2025 MOW Budget in the amount of \$27,065,515.19;
2. Approve the overall proposed 2025 Operations and Maintenance (O&M) Budget in the amount of \$37,776,278.16 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 certain items pending final design and bid 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 2025 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, Other Operating Costs Budget (including but not limited to insurance, dispatching, security, utilities and support costs), and Contingency Budget.

Attached for approval is the detail for these budgets for calendar year 2025. The following are provided to support your approval.

- Attachment 1 presents the proposed 2025 MOW Budget.
- Attachments 2 through 4 provide budget-detail information for 2025 MOW Labor Costs, Maintenance Cost, and Capital Costs, respectively.
- Attachment 5 provides the proposed 2025 O&M Budget.

The proposed 2025 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 October 16 and November 1, 2024 among the operating delegate group and staff of the Railroads, Ports and ACTA. A field inspection of MOW needs was performed by BNSF on October 15, 2024. Comments have been addressed in the attached 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 2025 MOW Budget increased by 16.7% compared to 2024. The \$3.87M increase is primarily due to a requirement to repair communications systems and modify CTC signal components to be compliant with manufacturer support. The funding of the proposed 2025 MOW Budget is split approximately 46/54 between ACTA fee revenue and costs billed to the Railroads. The proposed 2025 MOW Budget is divided into three categories: Labor Costs, Maintenance Cost, and Capital Costs. Compared to the 2024 budget, the Labor category is up 2.6%; the Maintenance category is up 20.4%; and the Capital category increased 19.2%.

The Proposed 2025 O&M Budget of \$37,776,278.16 is the sum of the proposed 2025 MOW Budget of \$27,065,515.18, plus \$10,210,762.98 in Other Operating Costs, and a \$500,000.00 contingency. The Other Operating Costs are about 18.6% lower than those in the 2024 O&M Budget due to reduction in the large signal system design costs of 2024. Most of these costs are paid by the Railroads either directly or from deposits made to ACTA known as M&O charges. The proposed total 2025 O&M Budget is 4.2% above the 2024 O&M Budget.

#### Items of Note

1. Delegation is sought pursuant to the aforementioned Recommendation No. 3 for the following:

Designated individual 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.

Such designated individual 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 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 categories, 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

Budget item 2.ee requires subsequent delegate approval based on delegates' review of approach and bidding process. Work associated with this item and expenditure of the budget 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 2025 MOW Budget
- 2 – Proposed 2025 MOW Labor Detail
- 3 – Proposed 2025 MOW Operations Maintenance Detail
- 4 – Proposed 2025 MOW Capital Costs Detail
- 5 – Proposed 2025 O&M Budget

**Attachments 1 – Proposed 2025 MOW Budget**

# Alameda Corridor - Proposed Draft 2025 Maintenance of Way (MOW) Budget

1. LABOR COSTS		R.R. M&O (Rail)		Res. Acct. (Non-Rail)		Fin. Acct. (ACTA AEI & Other)		Amended		Variance	%
		2025	Cost	Cost	Cost	Cost	2024	CY25-CY24	Change		
SUBTOTAL 1: 18 Staff Positions		\$ 4,342,620.83	\$ 3,388,604.30	\$ 917,928.53	\$ 36,088.00	\$ 4,234,233.12	\$ 108,387.71	2.6%			
2. MAINTENANCE COST		R.R. M&O (Rail)		Res. Acct. (Non-Rail)		Fin. Acct. (ACTA AEI & Other)		Amended		Variance	%
		2025	Share Cost	Share Cost	Share Cost	Share Cost	2024	CY25-CY24	Change		
2.b	Pump Station Maintenance	\$ 17,337.60	0.0%	\$ -	100.0%	\$ 17,337.60	0.0%	\$ -	\$ 16,512.00	\$ 825.60	5.0%
2.b.i	Pump Station Repairs and Supplies (Subcontractor)	\$ 34,155.00	0.0%	\$ -	100.0%	\$ 34,155.00	0.0%	\$ -	\$ 34,815.00	\$ (660.00)	-1.9%
2.c	AEI & Other Communications Maintenance	\$ 464,160.90	62.3%	\$ 289,079.41	0.0%	\$ -	37.7%	\$ 175,081.49	\$ 437,070.55	\$ 27,090.35	6.2%
2.d	Rail Flaw Detection (Subcontractor)	\$ 78,750.00	100.0%	\$ 78,750.00	0.0%	\$ -	0.0%	\$ -	\$ 75,600.00	\$ 3,150.00	4.2%
2.e	Graffiti Control	\$ 32,737.60	0.0%	\$ -	100.0%	\$ 32,737.60	0.0%	\$ -	\$ 31,912.00	\$ 825.60	2.6%
2.f	Weed Abatement (Subcontractor)	\$ 84,720.00	80.0%	\$ 67,776.00	20.0%	\$ 16,944.00	0.0%	\$ -	\$ 84,180.00	\$ 540.00	0.6%
2.g	Safety Training (Subcontractor)	\$ 34,125.00	85.0%	\$ 29,006.25	15.0%	\$ 5,118.75	0.0%	\$ -	\$ 34,125.00	\$ -	0.0%
2.h	Safety Management	\$ 24,412.50	85.0%	\$ 20,750.63	15.0%	\$ 3,661.88	0.0%	\$ -	\$ 24,412.50	\$ -	0.0%
2.i	Vehicles	\$ 374,925.60	75.0%	\$ 281,194.20	25.0%	\$ 93,731.40	0.0%	\$ -	\$ 390,096.00	\$ (15,170.40)	-3.9%
2.l	Full-Time Equipment	\$ 362,745.60	100.0%	\$ 362,745.60	0.0%	\$ -	0.0%	\$ -	\$ 341,472.00	\$ 21,273.60	6.2%
2.m	Maintenance Program Rail Grinding	\$ 740,731.99	100.0%	\$ 740,731.99	0.0%	\$ -	0.0%	\$ -	\$ 351,346.09	\$ 389,385.90	110.8%
2.n	Track Materials / Supplies / Rentals	\$ 475,000.00	100.0%	\$ 475,000.00	0.0%	\$ -	0.0%	\$ -	\$ 331,200.00	\$ 143,800.00	43.4%
2.o	Signal Maintenance (Subcontractor)	\$ 3,289,017.64	100.0%	\$ 3,289,017.64	0.0%	\$ -	0.0%	\$ -	\$ 2,998,572.20	\$ 290,445.44	9.7%
2.p	Ladder / Fence / Traffic Support (Subcontractor)	\$ 497,400.00	0.0%	\$ -	100.0%	\$ 497,400.00	0.0%	\$ -	\$ 535,900.00	\$ (38,500.00)	-7.2%
2.q	Security - Trench Cameras	\$ 20,460.00	70.0%	\$ 14,322.00	25.0%	\$ 5,115.00	5.0%	\$ 1,023.00	\$ 20,460.00	\$ -	0.0%
2.r	Security / Yard & Office Maintenance & Support (Subcontractor)	\$ 328,860.00	100.0%	\$ 328,860.00	0.0%	\$ -	0.0%	\$ -	\$ 283,500.00	\$ 45,360.00	16.0%
2.s	Underwater Bridge Inspection (Not until 2028)	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -	\$ -	\$ -	-
2.t	Trench Ditch Cleaning	\$ 89,250.00	0.0%	\$ -	100.0%	\$ 89,250.00	0.0%	\$ -	\$ 89,250.00	\$ -	0.0%
2.w	Railroad Reporting and Record Keeping Software System (Subcontractor)	\$ 46,620.00	100.0%	\$ 46,620.00	0.0%	\$ -	0.0%	\$ -	\$ 46,620.00	\$ -	0.0%
2.x	Railroad Emergency Drill Exercise	\$ 32,283.28	100.0%	\$ 32,283.28	0.0%	\$ -	0.0%	\$ -	\$ 30,935.32	\$ 1,347.96	4.4%
2.dd	Bridge Inspections (Subcontractor)	\$ 42,000.00	100.0%	\$ 42,000.00	0.0%	\$ -	0.0%	\$ -	\$ 39,900.00	\$ 2,100.00	5.3%
2.ee	Communication System Repair (Construction)	\$ 5,208,000.00	100.0%	\$ 5,208,000.00	0.0%	\$ -	0.0%	\$ -	\$ 4,000,000.00	\$ 1,208,000.00	30.2%
2.ff	Corridor Signal Modernization Construction	\$ -	100.0%	\$ -	0.0%	\$ -	0.0%	\$ -	\$ -	\$ -	-
SUBTOTAL 2:		\$ 12,277,692.72	\$ 11,306,137.00	\$ 795,451.23	\$ 176,104.49	\$ 10,197,878.66	\$ 2,079,814.06	20.4%			
3. CAPITAL COSTS		R.R. M&O (Rail)		Res. Acct. (Non-Rail)		Fin. Acct. (ACTA AEI & Other)		Amended		Variance	%
		2025	Share Cost	Share Cost	Share Cost	Share Cost	2024	CY25-CY24	Change		
3.a	Surfacing & Mobilization	\$ 575,369.75	0.0%	\$ -	100.0%	\$ 575,369.75	0.0%	\$ -	\$ 615,247.92	\$ (39,878)	-6.5%
3.c	Reballast Program - Labor & Equipment	\$ 390,720.96	0.0%	\$ -	100.0%	\$ 390,720.96	0.0%	\$ -	\$ 372,391.28	\$ 18,330	4.9%
3.d	Reballast Program - Ballast	\$ 66,000.00	0.0%	\$ -	100.0%	\$ 66,000.00	0.0%	\$ -	\$ 66,000.00	\$ -	0.0%
3.f	Capital Program Rail Grinding - (Rail Maint Cost))	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	\$ 351,346.09	\$ (351,346)	-100.0%
3.h-2	Replace 20 Frogs	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	\$ 785,037.52	\$ (785,038)	-100.0%
3.h-3	Replace 40 Switch Points and Stock Rails	\$ 681,914.06	0.0%	\$ -	100.0%	\$ 681,914.06	0.0%	\$ -	\$ 615,203.12	\$ 66,711	10.8%
3.h-5	Insulated Joint Replacement	\$ 197,603.56	0.0%	\$ -	100.0%	\$ 197,603.56	0.0%	\$ -	\$ 185,444.75	\$ 12,159	6.6%
3.o	Pump Station Upgrades (Subcontractor)	\$ 240,250.00	0.0%	\$ -	100.0%	\$ 240,250.00	0.0%	\$ -	\$ 240,250.00	\$ -	0.0%
3.r	Trench Emergency Ladder, Stair Study, & Repairs (Subcontractor)	\$ 129,000.00	0.0%	\$ -	100.0%	\$ 129,000.00	0.0%	\$ -	\$ 129,000.00	\$ -	0.0%
3.w	North Henry Ford Avenue Crossing Replacement	\$ 554,341.80	0.0%	\$ -	100.0%	\$ 554,341.80	0.0%	\$ -	\$ -	\$ 554,342	-
3.aa-1	Replace Long Beach Diamonds	\$ 852,565.14	0.0%	\$ -	100.0%	\$ 852,565.14	0.0%	\$ -	\$ 842,719.48	\$ 9,846	1.2%
3.gg-3	Curve Rail Replacement	\$ 355,931.71	0.0%	\$ -	100.0%	\$ 355,931.71	0.0%	\$ -	\$ 414,245.18	\$ (58,313)	-14.1%
3.ii	Fixed Trench Ladders (Subcontractor)	\$ 420,000.00	0.0%	\$ -	100.0%	\$ 420,000.00	0.0%	\$ -	\$ 420,000.00	\$ -	0.0%
3.mm	Miscellaneous Trench Structure Repairs (Subcontractor)	\$ 63,000.00	0.0%	\$ -	100.0%	\$ 63,000.00	0.0%	\$ -	\$ 63,000.00	\$ -	0.0%
3.nn	Compton Bridges - Replace Deck Ties	\$ 2,056,872.16	0.0%	\$ -	100.0%	\$ 2,056,872.16	0.0%	\$ -	\$ 1,141,430.44	\$ 915,442	80.2%
3.oo	Replacement of M23A Switches Machines	\$ 140,800.00	0.0%	\$ -	100.0%	\$ 140,800.00	0.0%	\$ -	\$ 110,000.00	\$ 30,800	28.0%
3.qq	Furnish and Replace Rail Lubricator Systems	\$ 124,058.19	0.0%	\$ -	100.0%	\$ 124,058.19	0.0%	\$ -	\$ 111,195.60	\$ 12,863	11.6%
3.ss	Corridor Signal Modernization Design	\$ -	0.0%	\$ -	100.0%	\$ -	0.0%	\$ -	\$ -	\$ -	-
3.rr	Corridor Signal Modernization Construction	\$ 3,002,000.00	0.0%	\$ -	100.0%	\$ 3,002,000.00	0.0%	\$ -	\$ 2,300,000.00	\$ 702,000	30.5%
3.tt	Replace CP Dominguez / Manual Main SW1 (SW 1X - #10)	\$ 513,226.65	0.0%	\$ -	100.0%	\$ 513,226.65	0.0%	\$ -	\$ -	\$ 513,227	-
3.uu	Install Maintenance Pad at S. Laurel Park Road for HiRail (35x60)	\$ 81,547.67	0.0%	\$ -	100.0%	\$ 81,547.67	0.0%	\$ -	\$ -	\$ 81,548	-
SUBTOTAL 3:		\$ 10,445,201.64	\$ -	\$ 10,445,201.64	\$ -	\$ 8,762,511.38	\$ 1,682,690.26	19.2%			
GRAND TOTAL 1, 2, 3: Rail & Non-Rail Share		\$ 27,065,515.18	\$ 14,694,741.30	\$ 12,158,581.39	\$ 212,192.49	\$ 23,194,623.16	\$ 3,870,892.03	16.7%			

**Attachments 2 – Proposed 2025 MOW Labor Detail**



1. Proposed Draft 2025 Labor Costs

1. LABOR	Positions	Needed Portion	EST Hours	2025					2025 VALUE	R.R. M & O			Reserve Account			ACTA Operating Budget			2024 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		
<b>MANAGEMENT POSITIONS</b>																				
1.a.i	Contract Manager	1	100.0%	2,000	\$ 180.44	N/A	N/A	N/A	N/A	\$ 360,880.00	70.0%	\$ 252,616.00	1,400	20.0%	\$ 72,176.00	400	10.0%	\$ 36,088.00	200	\$ 350,360.00
1.a.ii	Track Supervisor	1	100.0%	2,000	\$ 136.10	N/A	N/A	N/A	N/A	\$ 272,200.00	80.0%	\$ 217,760.00	1,600	20.0%	\$ 54,440.00	400	0.0%	\$ -	-	\$ 264,280.00
1.a.iii	Safety Supervisor	1	100.0%	2,000	\$ 136.10	N/A	N/A	N/A	N/A	\$ 272,200.00	80.0%	\$ 217,760.00	1,600	20.0%	\$ 54,440.00	400	0.0%	\$ -	-	\$ 264,280.00
1.a.iv	Office Manager	1	100.0%	2,000	\$ 74.79	N/A	N/A	N/A	N/A	\$ 149,580.00	50.0%	\$ 74,790.00	1,000	50.0%	\$ 74,790.00	1,000	0.0%	\$ -	-	\$ 145,220.00
1.a.vi	Office Assistant																			
<b>STAFF POSITIONS</b>																				
1.b	Track Inspector	1	100.0%	2,000	\$ 111.29	\$ 149.12	\$ 11,929.38	\$ 186.95	\$ 4,486.72	\$ 238,991.46	100.0%	\$ 238,991.46	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 225,908.64
1.b.i	Track Foreman	2	100.0%	4,000	\$ 111.29	\$ 149.12	\$ 11,929.38	\$ 186.95	\$ 4,486.72	\$ 461,566.83	100.0%	\$ 461,566.83	4,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 436,208.64
1.b.ii	Assistant Foreman																			
1.b.iii	Track Laborers	4	100.0%	8,000	\$ 103.81	\$ 137.90	\$ 11,031.88	\$ 171.99	\$ 4,127.72	\$ 845,627.85	97.5%	\$ 824,487.16	7,800	2.5%	\$ 21,140.70	200	0.0%	\$ -	-	\$ 799,387.20
1.b.iv	Equipment Operators	1.5	100.0%	3,000	\$ 133.69	\$ 181.03	\$ 14,482.14	\$ 228.36	\$ 5,480.69	\$ 421,036.37	92.5%	\$ 389,458.65	2,775	7.5%	\$ 31,577.73	225	0.0%	\$ -	-	\$ 409,184.72
1.b.v	Welder	1.5	100.0%	3,000	\$ 108.30	\$ 144.63	\$ 11,570.38	\$ 180.96	\$ 4,343.12	\$ 340,801.57	100.0%	\$ 340,801.57	3,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 415,326.56
1.b.vi	Welder Helper	1	100.0%	2,000	\$ 103.81	\$ 137.90	\$ 11,031.88	\$ 171.99	\$ 4,127.72	\$ 222,776.67	100.0%	\$ 222,776.67	2,000	0.0%	\$ -	-	0.0%	\$ -	-	\$ 210,667.20
1.b.vii	Laborer (Non-Rail)	1	100.0%	2,000	\$ 103.81	\$ 137.90	\$ 11,031.88	\$ 171.99	\$ 4,127.72	\$ 222,776.67	0.0%	\$ -	-	100.0%	\$ 222,776.67	2,000	0.0%	\$ -	-	\$ 210,667.20
1.b.viii	Foreman (Non-Rail)	1	100.0%	2,000	\$ 111.29	\$ 149.12	\$ 11,929.38	\$ 186.95	\$ 4,486.72	\$ 238,991.46	0.0%	\$ -	-	100.0%	\$ 238,991.46	2,000	0.0%	\$ -	-	\$ 225,908.64
1.b.ix	Track Superintendent	1	100.0%	2,000	\$ 137.21	\$ 188.00	\$ 15,040.11	\$ 238.79	\$ 5,731.01	\$ 295,191.95	50.0%	\$ 147,595.97	1,000	50.0%	\$ 147,595.97	1,000	0.0%	\$ -	-	\$ 276,834.32
<b>SUBTOTAL</b>		<b>18</b>		<b>36,000</b>						<b>\$ 4,342,620.83</b>		<b>\$ 3,388,604.30</b>	<b>28,175</b>		<b>\$ 917,928.53</b>	<b>7,625</b>		<b>\$ 36,088.00</b>	<b>200</b>	<b>\$ 4,234,233.12</b>

\* 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.

<b>Approved Amended CY2024 Budget</b>	<b>\$ 4,234,233.12</b>	<b>\$ 3,325,136.59</b>	<b>30,325</b>	<b>\$ 874,060.53</b>	<b>8,475</b>	<b>\$ 35,036.00</b>	<b>200</b>	<b>\$ 4,234,233.12</b>
<b>Variance</b>	<b>\$ 108,387.71</b>	<b>\$ 63,468</b>	<b>(2,150)</b>	<b>\$ 43,868</b>	<b>(850)</b>	<b>\$ 1,052.00</b>	<b>-</b>	<b>\$ -</b>
<b>% Change</b>	<b>2.6%</b>	<b>1.9%</b>		<b>5.0%</b>		<b>3.0%</b>		

**Attachments 3 – Proposed 2025 MOW Operations Maintenance Detail**

2. Proposed Draft CY2025 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	\$ 2,889.60	50%	\$ 17,337.60

SUBTOTAL: \$ 17,337.60

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	17,337.60

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	10%	Markup: \$	1,320.00
		TOTAL: \$	34,155.00

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

<b>Subcontractor</b>						
	Office Administrator	HR	200	\$ 71.66	100%	\$ 14,332.00
	Safety Manager - ST	HR	200	\$ 71.53	100%	\$ 14,306.00
	Safety Manager - OT	HR	0	\$ 90.92	100%	\$ -
	Safety Manager - DT	HR	0	\$ 117.93	100%	\$ -
	AEI / Comm Technician - ST	HR	2000	\$ 133.78	100%	\$ 267,560.00
	AEI / Comm Technician - OT (Based on 1Q&2Q2024)	HR	80	\$ 178.29	100%	\$ 14,263.20
	AEI / Comm Technician - DT (Based on 1Q&2Q2024)	HR	16	\$ 267.55	100%	\$ 4,280.80
	Signal / Comm Supervisor	HR	200	\$ 151.60	100%	\$ 30,320.00
	Vehicle - Signal / Comm Supervisor (10% of overall)	Monthly	12	\$ 343.98	100%	\$ 4,127.76
	Vehicle - AEI / Comm Technician (Monthly Rate for FT Position)	Monthly	12	\$ 3,439.80	100%	\$ 41,277.60
	Vehicle - AEI / Comm Technician (Hourly Rate for Call-Outs)	HR	120	\$ 19.54	100%	\$ 2,344.80
	Vehicle - Safety Manager	Monthly	12	\$ 138.60	100%	\$ 1,663.20
	Vehicle - Safety Manager - For Call Outs	HR	1	\$ 7.88	100%	\$ 7.88
	Equipment - Hi-Rail Bucket Truck	Monthly	12	\$ 472.50	100%	\$ 5,670.00
						Subtotal - Subcontractor
						\$ 400,153.24

SUBTOTAL: \$ 440,153.24

Materials	10%	Markup: \$	4,000.00
Subcontractor	5%	Markup: \$	20,007.66
Supplies	10%	Markup: \$	-
		TOTAL: \$	464,160.90

2.d	Rail Flaw Detection	U of M	QTY	Rate	Split	Total
	Subcontractor - Mobilization	EA	3	\$ 7,000.00	100%	\$ 21,000.00
	Subcontractor - Daily Rate (3-day minimums)	EA	3	\$ 18,000.00	100%	\$ 54,000.00

SUBTOTAL: \$ 75,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	3,750.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	78,750.00

2.e	Graffiti Control	U of M	QTY	Rate	Split	Total
	Vehicle (Split 50/50 between 2.b & 2.e)	Monthly	12	\$ 2,889.60	50%	\$ 17,337.60
	Materials	LS	1	\$ 14,000.00	100%	\$ 14,000.00

SUBTOTAL: \$ 31,337.60

Materials	10%	Markup: \$	1,400.00
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	32,737.60

2.f	Weed Abatement	U of M	QTY	Rate	Split	Total
<b>Subcontractor</b>						
	Subcontractor	LS	1	\$ 50,000.00	100%	\$ 50,000.00
	Disposal - Dumpsters @ 1 per month	EA	12	\$ 1,300.00	100%	\$ 15,600.00
	<i>Subtotal - Subcontractor</i>					\$ 65,600.00
<b>Supplies &amp; Rental</b>						
	Specialty Equipment Rental	EA	12	\$ 1,200.00	100%	\$ 14,400.00
	<i>Subtotal - Supplies &amp; Rental</i>					\$ 14,400.00

SUBTOTAL: \$ 80,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	3,280.00
Supplies	10%	Markup: \$	1,440.00
		TOTAL: \$	84,720.00

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	10%	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

SUBTOTAL: \$ 23,250.00

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

2.i	Vehicles	U of M	QTY	Rate	Split	Total
2.i.i	Contract Manager	Monthly	12	\$ 2,347.80	100%	\$ 28,173.60
2.i.ii	Track Supervisor - Hi-Rail	Monthly	12	\$ 2,889.60	100%	\$ 34,675.20
2.i.iii	Welding Truck - Hi-Rail	Monthly	12	\$ 7,585.20	100%	\$ 91,022.40
2.i.iv	Track Foreman - Hi-Rail (2 Each)	Monthly	24	\$ 5,598.60	100%	\$ 134,366.40
2.i.v	Assistant Track Foreman - Hi-Rail					\$ -
2.i.vi	Track Inspector - Hi-Rail	Monthly	12	\$ 2,889.60	100%	\$ 34,675.20
2.i.vii	Track Superintendent - Hi-Rail	Monthly	12	\$ 2,889.60	100%	\$ 34,675.20
2.k	Safety Supervisor Vehicle	Monthly	12	\$ 1,444.80	100%	\$ 17,337.60

SUBTOTAL: \$ 374,925.60

8 vehicles + 1 for pump station/graffiti + 10 for signal

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	374,925.60

2.l	Full-Time Equipment	U of M	QTY	Rate	Split	Total
	Hi-Rail Grapple / Boom Truck	Monthly	12	\$ 11,558.40	100%	\$ 138,700.80
	Speedswing	Monthly	12	\$ 9,210.60	100%	\$ 110,527.20
	Combination Backhoe	Monthly	12	\$ 5,959.80	100%	\$ 71,517.60
	Forklift / Telehandler - Added for increase material handling efforts	Monthly	12	\$ 3,500.00	100%	\$ 42,000.00

SUBTOTAL: \$ 362,745.60

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	362,745.60

2.m	Maintenance Program Rail Grinding	U of M	QTY	Rate	Split	Total	
<b>RailWorks Labor &amp; Equipment</b>							
	Foreman	HR	80	\$ 111.29	100%	\$ 8,903.01	
	Laborer	HR	80	\$ 103.81	100%	\$ 8,304.68	
	Operator for Water Wagon	HR	80	\$ 133.69	100%	\$ 10,695.29	
	F350 HiRail Crew Truck	HR	80	\$ 16.80	100%	\$ 1,344.00	
	<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 29,246.99
<b>Subcontractor</b>							
	Mainline Grinding Subcontractor Mobilization - LORAM	LS	1	\$ 22,000.00	100%	\$ 22,000.00	
	Mainline Grinding Contractor Basic Charge - LORAM	Daily	6	\$ 84,000.00	100%	\$ 504,000.00	
	Mainline Grinding Production Charge - LORAM per Pass Mile Over 25	Miles	20	\$ 1,890.00	100%	\$ 37,800.00	
	Mainline Grinding Pre-Grind Survey Mobilization	LS	1	\$ 13,250.00	100%	\$ 13,250.00	
	Mainline Grinding Pre-Grind Survey Daily Rate	Daily	3	\$ 11,550.00	100%	\$ 34,650.00	
	Signal Support	Daily	6	\$ 1,250.00	100%	\$ 7,500.00	
	<i>Subtotal - Subcontractor</i>						\$ 619,200.00
<b>Supplies &amp; Rental</b>							
	Fuel for Grinder	Gallon	6000	\$ 8.00	100%	\$ 48,000.00	
	Water Truck Rental	Monthly	1	\$ 7,750.00	100%	\$ 7,750.00	
	<i>Subtotal - Supplies &amp; Rental</i>						\$ 55,750.00

This figure represents a split of the total grinding costs.

SUBTOTAL: \$ 704,196.99

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	30,960.00
Supplies	10%	Markup: \$	5,575.00
		TOTAL: \$	740,731.99

2.n	Track Materials / Supplies / Rentals	U of M	QTY	Rate	Split	Total	
<b>Materials</b>							
	Miscellaneous Track Materials - Bolts, etc.	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	#10 Frogs for Inventory	EA	2	\$ 19,000.00	100%	\$ 38,000.00	
	#14 Frogs for Inventory	EA	2	\$ 23,000.00	100%	\$ 46,000.00	
	#20 Frogs for Inventory	EA	2	\$ 25,000.00	100%	\$ 50,000.00	
	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>						\$ 350,000.00
<b>Supplies &amp; Rental</b>							
	Equipment Rental	Monthly	12	\$ 6,000.00	100%	\$ 72,000.00	
	<i>Subtotal - Supplies &amp; Rental</i>						\$ 72,000.00

SUBTOTAL: \$ 422,000.00

Materials	10%	Markup: \$	42,200.00
Subcontractor	5%	Markup: \$	3,600.00
Supplies	10%	Markup: \$	7,200.00
		TOTAL: \$	475,000.00

2.o	Signal Maintenance	U of M	QTY	Rate	Split	Total	
<b>Materials</b>							
	Material - Ongoing Purchases Total = LS (RWKS purchase) "Vandalism"	LS	1	\$ 200,000.00	100%	\$ 200,000.00	
	Material - Signal Battery Replacements (129K in 2024)	LS	1	\$ 135,000.00	100%	\$ 135,000.00	
	<i>Subtotal - Materials</i>						\$ 335,000.00
<b>Subcontractor</b>							
	Office Administrator	HR	1800	\$ 71.66	100%	\$ 128,988.00	
	Signal / Comm Supervisor	HR	1800	\$ 151.60	100%	\$ 272,880.00	
	Signal / Comm Supervisor - OT (Based on 1Q&2Q2024)	HR	75	\$ 216.56	100%	\$ 16,242.00	
	Signal / Comm Supervisor - DT (Based on 1Q&2Q2024)	HR	25	\$ 288.75	100%	\$ 7,218.75	
	Signal Test Maintainer	HR	2000	\$ 141.92	100%	\$ 283,840.00	
	Signal Test Maintainer - OT (Based on 1Q&2Q2024)	HR	75	\$ 180.95	100%	\$ 13,571.25	
	Signal Test Maintainer - DT (Based on 1Q&2Q2024)	HR	25	\$ 270.31	100%	\$ 6,757.75	
	Signal Maintainer (5)	HR	10000	\$ 133.78	100%	\$ 1,337,800.00	
	Signal Maintainer - OT (Based on 1Q&2Q2024) - 900	HR	900	\$ 169.80	100%	\$ 152,820.00	
	Signal Maintainer - DT (Based on 1Q&2Q2024) - 350	HR	350	\$ 254.81	100%	\$ 89,183.50	
	Vehicle - Signal / Comm Supervisor	Monthly	12	\$ 3,095.82	100%	\$ 37,149.84	
	Vehicle - Signal Test Maintainer	Monthly	12	\$ 3,439.80	100%	\$ 41,277.60	
	Vehicle - Signal Maintainers (5)	Monthly	12	\$ 17,199.00	100%	\$ 206,388.00	
	Vehicle - Signal Test Maintainer &/or Signal Maintainer for Call-Outs	HR	1350	\$ 19.54	100%	\$ 26,379.00	
	Vehicle - Sig/Comm Supv &/or Signal Engineer for Call-Outs	HR	100	\$ 19.54	100%	\$ 1,954.00	
	Vehicle - Safety Manager	Monthly	12	\$ 1,247.40	100%	\$ 14,968.80	
	Vehicle - Safety Manager - Hourly for Call Outs	HR	1	\$ 7.88	100%	\$ 7.88	
	Equipment - Bucket Truck	Monthly	12	\$ 4,252.50	100%	\$ 51,030.00	
	Safety Manager - ST	HR	1300	\$ 71.53	100%	\$ 92,989.00	
	<i>Subtotal - Subcontractor</i>						\$ 2,781,445.37

SUBTOTAL: \$ 3,116,445.37

Materials	10%	Markup: \$	33,500.00
Subcontractor	5%	Markup: \$	139,072.27
Supplies	10%	Markup: \$	-
		TOTAL: \$	3,289,017.64

2.p	Ladder / Fence / Traffic Support	U of M	QTY	Rate	Split	Total	
<b>Materials</b>							
	Ladder Replacement Parts	LS	1	\$ 15,000.00	100%	\$ 15,000.00	
	<i>Subtotal - Materials</i>					\$	15,000.00
<b>RailWorks Labor &amp; Equipment</b>							
						\$ -	
						\$ -	
						\$ -	
	<i>Subtotal - RWs Labor &amp; Equipment</i>					\$	-
<b>Subcontractor</b>							
	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:					\$	473,000.00
				Materials	10%	Markup: \$ 1,500.00	
				Subcontractor	5%	Markup: \$ 22,900.00	
				Supplies	10%	Markup: \$ -	
						TOTAL: \$ 497,400.00	

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	
	SUBTOTAL:					\$	18,600.00
				Materials	10%	Markup: \$ 1,860.00	
				Subcontractor	5%	Markup: \$ -	
				Supplies	10%	Markup: \$ -	
						TOTAL: \$ 20,460.00	

2.r	Yard / Office Security / Maintenance / Support	U of M	QTY	Rate	Split	Total	
<b>Subcontractor</b>							
	Security Guard Services	Monthly	12	\$ 18,500.00	100%	\$ 222,000.00	
	Haz Mat Subcontractor & Disposal	Monthly	12	\$ 2,000.00	100%	\$ 24,000.00	
	Janitorial Services	Monthly	12	\$ 2,200.00	100%	\$ 26,400.00	
	HVAC and Building Maintenance (Electrical, Mechanical, Pest)	Monthly	12	\$ 1,600.00	100%	\$ 19,200.00	
	Quench / Non-Haz Dumpsters / Portable Sanitation / Pesticides	Monthly	12	\$ 1,800.00	100%	\$ 21,600.00	
	SUBTOTAL:					\$	313,200.00
				Materials	10%	Markup: \$ -	
				Subcontractor	5%	Markup: \$ 15,660.00	
				Supplies	10%	Markup: \$ -	
						TOTAL: \$ 328,860.00	

2.s	Underwater Bridge Inspection	U of M	QTY	Rate	Split	Total	
<b>Subcontractor</b>							
	Underwater Bridge Inspection Subcontractor (completed in 2023)			\$ -	100%	\$ -	
	SUBTOTAL:					\$	-
				Materials	10%	Markup: \$ -	
				Subcontractor	5%	Markup: \$ -	
				Supplies	10%	Markup: \$ -	
						TOTAL: \$ -	

2.t	Trench Ditch Cleaning	U of M	QTY	Rate	Split	Total	
<b>Subcontractor</b>							
	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	10%	Markup: \$ -	
						TOTAL: \$ 89,250.00	

2.w	Railroad Reporting & Record Keeping Software System	U of M	QTY	Rate	Split	Total	
<b>Subcontractor</b>							
	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	10%	Markup: \$ -	
						TOTAL: \$ 46,620.00	

2.x	Railroad Emergency Drill Exercise	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
	Track Foreman - DT	HR	12	\$ 186.95	100%	\$ 2,243.36
	Crew Truck - F350 HiRail	HR	24	\$ 16.80	100%	\$ 403.20
	Track Laborer - DT	HR	24	\$ 186.95	100%	\$ 4,486.72
	<i>Subtotal - RWs Labor &amp; Equipment</i>					\$ 7,133.28
<b>Subcontractor</b>						
	Maintenance of Traffic Subcontractor	LS	1	\$ 3,000.00	100%	\$ 3,000.00
	<i>Subtotal - Subcontractor</i>					\$ 3,000.00
<b>Supplies &amp; Rental</b>						
	Miscellaneous Supplies	LS	1	\$ 20,000.00	100%	\$ 20,000.00
	<i>Subtotal - Supplies &amp; Rentals</i>					\$ 20,000.00

SUBTOTAL: \$ 30,133.28

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	150.00
Supplies	10%	Markup: \$	2,000.00
		TOTAL: \$	32,283.28

2.dd	Bridge Inspections	U of M	QTY	Rate	Split	Total
	Subcontractor	LS	1	\$ 40,000.00	100%	\$ 40,000.00

SUBTOTAL: \$ 40,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	2,000.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	42,000.00

2.ee	Communication System Repair	U of M	QTY	Rate	Split	Total
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<b>Labor - Estimated at approx 50% of this cost</b>						
	Communication System Repair	LS	1	\$ 2,604,000.00	100%	\$ 2,604,000.00
	<i>Subtotal - Labor</i>					\$ 2,604,000.00
<b>Materials</b>						
					100%	\$ -
					100%	\$ -
					100%	\$ -
	<i>Subtotal - Materials</i>					\$ -
<b>Subcontractor - Estimated at approx 50% of this cost</b>						
						\$ -
	Communication System Repair	LS	1	\$ 2,480,000.00	100%	\$ 2,480,000.00
	<i>Subtotal - Subcontractor</i>					\$ 2,480,000.00

SUBTOTAL: \$ 5,084,000.00

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	124,000.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	5,208,000.00

2.ff	Corridor Signal Modernization - Construction	U of M	QTY	Rate	Split	Total
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<b>Labor - Estimated at approx 50% of this cost</b>						
	Signal Modernization	LS	1	\$ 957,000.00	0%	\$ -
	<i>Subtotal - Labor</i>					\$ -
<b>Materials</b>						
					0%	\$ -
					0%	\$ -
					0%	\$ -
	<i>Subtotal - Materials</i>					\$ -
<b>Subcontractor - Estimated at approx 50% of this cost before markup</b>						
						\$ -
	Signal Modernization	LS	1	\$ 911,428.57	0%	\$ -
	<i>Subtotal - Subcontractor</i>					\$ -

This line item represents 67.7% of the total signal modernization construction costs. See 3.rr

SUBTOTAL: \$ -

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	-

**Attachments 4 – Proposed 2025 MOW Capital Costs Detail**



3. Proposed Draft CY2025 Capital Program

Cost Code

3.a Surfacing	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>					
Operators	Hour	96	\$ 133.69	100%	\$ 12,834.35
Truck - F350 HiRail	Hour	96	\$ 13.65	100%	\$ 1,310.40
<i>Subtotal - RWs Labor &amp; Equipment</i>					\$ 14,144.75
<b>Subcontractor</b>					
Subcontractor Tamping & Regulating - LazerWest	Day	70	\$ 5,100.00	100%	\$ 357,000.00
Signal Support	Day	70	\$ 1,250.00	100%	\$ 87,500.00
Subcontract Equipment Trucking	EA	6	\$ 15,000.00	100%	\$ 90,000.00
<i>Subtotal - Subcontractor</i>					\$ 534,500.00

SUBTOTAL: \$ 548,644.75

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	26,725.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	575,369.75

3.c Reballast Program (Labor & Equipment Combined)	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>					
Foreman	Hour	256	\$ 111.29	100%	\$ 28,489.65
Laborers	Hour	1024	\$ 103.81	100%	\$ 106,299.94
Operators	Hour	768	\$ 133.69	100%	\$ 102,674.83
Flagger	Hour	256	\$ 111.29	100%	\$ 28,489.65
Hi-Rail Rotary Dump Truck	Hour	256	\$ 44.10	100%	\$ 11,289.60
Ballast Regulator	Hour	256	\$ 103.95	100%	\$ 26,611.20
Crew Truck - F550 HiRail	Hour	256	\$ 32.55	100%	\$ 8,332.80
Flagger Truck - F350 HiRail	Hour	256	\$ 16.80	100%	\$ 4,300.80
<i>Subtotal - RWs Labor &amp; Equipment</i>					\$ 316,488.46
<b>Supplies &amp; Rental</b>					
Front End Loader	Month	4	\$ 9,450.00	100%	\$ 37,800.00
Mobilizations (Loaders, Regulators, Hi-Rail Dump Truck)	LS	1	\$ 26,750.00	100%	\$ 26,750.00
<i>Subtotal - Supplies &amp; Rental</i>					\$ 64,550.00

SUBTOTAL: \$ 381,038.46

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	15%	Markup: \$	9,682.50
		TOTAL: \$	390,720.96

3.d Reballast Program - Ballast	U of M	QTY	Rate	Split	Total
Ballast	Ton	1000	\$ 60.00	100%	\$ 60,000.00
					\$ -

SUBTOTAL: \$ 60,000.00

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

3.f	Capital Program Rail Grinding	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
	Foreman	HR	80	\$ 111.29	0%	\$ -
	Laborer	HR	80	\$ 103.81	0%	\$ -
	Operator for Water Wagon	HR	80	\$ 133.69	0%	\$ -
	F350 HiRail Crew Truck	HR	80	\$ 16.80	0%	\$ -
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ -
<b>Subcontractor</b>						
	Mainline Grinding Subcontractor Mobilization - LORAM	LS	1	\$ 22,000.00	0%	\$ -
	Mainline Grinding Contractor Basic Charge - LORAM	Daily	6	\$ 84,000.00	0%	\$ -
	Mainline Grinding Production Charge - LORAM per Pass Mile over 25	Miles	20	\$ 1,890.00	0%	\$ -
	Mainline Grinding Pre-Grind Survey Mobilization	LS	1	\$ 13,250.00	0%	\$ -
	Mainline Grinding Pre-Grind Survey Daily Rate	Daily	3	\$ 11,550.00	0%	\$ -
	Signal Support	Daily	6	\$ 1,250.00	0%	\$ -
<i>Subtotal - Subcontractor</i>						\$ -
<b>Supplies &amp; Rental</b>						
	Fuel for Grinder	Gallon	6000	\$ 8.00	0%	\$ -
	Water Truck Rental	Monthly	1	\$ 7,750.00	0%	\$ -
<i>Subtotal - Supplies &amp; Rental</i>						\$ -

This figure represents a split of the total grinding costs.

SUBTOTAL: \$ -

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	-

3.h-2	Replace 20 Frogs - COMPLETED IN CY2024	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
	Foreman	Hour	0	\$ 111.29	100%	\$ -
	Laborers	Hour	0	\$ 103.81	100%	\$ -
	Operators	Hour	0	\$ 133.69	100%	\$ -
	Welder	Hour	0	\$ 108.30	100%	\$ -
	Welder Helper	Hour	0	\$ 103.81	100%	\$ -
	Flagger	Hour	0	\$ 111.29	100%	\$ -
	Foreman Truck - F550 HiRail	Hour	0	\$ 32.55	100%	\$ -
	Welding Truck	Hour	0	\$ 44.10	100%	\$ -
	CWR Rail Heater / Vibrator	Hour	0	\$ 70.35	100%	\$ -
	Rail Saw	Hour	0	\$ 12.60	100%	\$ -
	Rail Drill	Hour	0	\$ 12.60	100%	\$ -
	Mobile Power Pack	Hour	0	\$ 12.60	100%	\$ -
	Flagger Truck - F350 HiRail	Hour	0	\$ 16.80	100%	\$ -
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ -
<b>Materials</b>						
	#10 RBM Frogs	EA	0	\$ -	100%	\$ -
	#14 RBM Frogs	EA	0	\$ -	100%	\$ -
	#20 RBM Frogs	EA	0	\$ -	100%	\$ -
	Thermite Weld Kits	EA	0	\$ -	100%	\$ -
<i>Subtotal - Materials</i>						\$ -
<b>Subcontractor</b>						
	Signal Support	Day	0	\$ -	100%	\$ -
	Trucking Sub	Day	0	\$ -	100%	\$ -
<i>Subtotal - Subcontractor</i>						\$ -

SUBTOTAL: \$ -

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
		TOTAL: \$	-

3.h-3	Replace 40 Switch Points and Stock Rails	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
Foreman	Hour	160	\$	111.29	100%	\$ 17,806.03
Laborers	Hour	480	\$	103.81	100%	\$ 49,828.10
Operators	Hour	320	\$	133.69	100%	\$ 42,781.18
Welder	Hour	160	\$	108.30	100%	\$ 17,327.36
Welder Helper	Hour	160	\$	103.81	100%	\$ 16,609.37
Flagger	Hour	160	\$	111.29	100%	\$ 17,806.03
Foreman Truck - F550 HiRail	Hour	160	\$	32.55	100%	\$ 5,208.00
Welding Truck	Hour	160	\$	44.10	100%	\$ 7,056.00
CWR Rail Heater / Vibrator	Hour	160	\$	70.35	100%	\$ 11,256.00
Rail Saw	Hour	160	\$	12.60	100%	\$ 2,016.00
Rail Drill	Hour	160	\$	12.60	100%	\$ 2,016.00
Mobile Power Pack	Hour	160	\$	12.60	100%	\$ 2,016.00
Flagger Truck - F350 HiRail	Hour	160	\$	16.80	100%	\$ 2,688.00
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 194,414.06
<b>Materials</b>						
Switch Points	EA	20	\$	10,500.00	100%	\$ 210,000.00
Stock Rails	EA	20	\$	6,800.00	100%	\$ 136,000.00
Rollers, Clips, Braces, Incidentals	LS	1	\$	50,000.00	100%	\$ 50,000.00
Thermite Weld Kits	EA	60	\$	150.00	100%	\$ 9,000.00
<i>Subtotal - Materials</i>						\$ 405,000.00
<b>Subcontractor</b>						
Signal Support	Day	20	\$	1,250.00	100%	\$ 25,000.00
Trucking Sub	Day	10	\$	1,500.00	100%	\$ 15,000.00
<i>Subtotal - Subcontractor</i>						\$ 40,000.00

SUBTOTAL: \$ 639,414.06

Materials	10%	Markup: \$	40,500.00
Subcontractor	5%	Markup: \$	2,000.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	681,914.06

3.h-5	Insulated Joint Replacement	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
Foreman	Hour	120	\$	111.29	100%	\$ 13,354.52
Laborers	Hour	120	\$	103.81	100%	\$ 12,457.02
Operators	Hour	120	\$	133.69	100%	\$ 16,042.94
Welder	Hour	120	\$	108.30	100%	\$ 12,995.52
Welder Helper	Hour	120	\$	103.81	100%	\$ 12,457.02
Flagger	Hour	120	\$	111.29	100%	\$ 13,354.52
Foreman Truck - F550 HiRail	Hour	120	\$	32.55	100%	\$ 3,906.00
Welding Truck	Hour	120	\$	44.10	100%	\$ 5,292.00
CWR Rail Heater / Vibrator	Hour	120	\$	70.35	100%	\$ 8,442.00
Rail Saw	Hour	120	\$	12.60	100%	\$ 1,512.00
Rail Drill	Hour	120	\$	12.60	100%	\$ 1,512.00
Mobile Power Pack	Hour	120	\$	12.60	100%	\$ 1,512.00
Flagger Truck - F350 HiRail	Hour	120	\$	16.80	100%	\$ 2,016.00
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 104,853.56
<b>Materials</b>						
Thermite Welds	EA	40	\$	150.00	100%	\$ 6,000.00
Insulated Joint Plug Rails	EA	20	\$	3,200.00	100%	\$ 64,000.00
<i>Subtotal - Materials</i>						\$ 70,000.00
<b>Subcontractor</b>						
Signal Support	Day	12	\$	1,250.00	100%	\$ 15,000.00
<i>Subtotal - Subcontractor</i>						\$ 15,000.00

SUBTOTAL: \$ 189,853.56

Materials	10%	Markup: \$	7,000.00
Subcontractor	5%	Markup: \$	750.00
Supplies	10%	Markup: \$	-
		TOTAL: \$	197,603.56

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	10%	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			10%	Markup: \$	-
TOTAL:						\$ 129,000.00
3.w	North Henry Ford Avenue Crossing Replacement (~200 TF)	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment - Prep Panel &amp; Welds</b>						
	Foreman	Hour	32	\$ 111.29	100%	\$ 3,561.21
	Laborers (x4)	Hour	128	\$ 103.81	100%	\$ 13,287.49
	Operators (x1)	Hour	32	\$ 133.69	100%	\$ 4,278.12
	Welder	Hour	32	\$ 108.30	100%	\$ 3,465.47
	Welder Helper	Hour	32	\$ 103.81	100%	\$ 3,321.87
	Flagger	Hour	32	\$ 111.29	100%	\$ 3,561.21
	Foreman Truck - F550 HiRail	Hour	32	\$ 32.55	100%	\$ 1,041.60
	Welding Truck	Hour	32	\$ 44.10	100%	\$ 1,411.20
	Rail Saw	Hour	32	\$ 12.60	100%	\$ 403.20
	Rail Drill	Hour	32	\$ 12.60	100%	\$ 403.20
	Mobile Power Pack	Hour	32	\$ 12.60	100%	\$ 403.20
	Flagger Truck - F350 HiRail	Hour	32	\$ 16.80	100%	\$ 537.60
<b>RailWorks Labor &amp; Equipment - Weekend Flagging Single Lane Access</b>						
	Foreman	Hour	128	\$ 186.95	100%	\$ 23,929.19
	Laborers (x4)	Hour	256	\$ 171.99	100%	\$ 44,029.05
	Flagger	Hour	128	\$ 186.95	100%	\$ 23,929.19
	Foreman Truck - F550 HiRail	Hour	128	\$ 32.55	100%	\$ 4,166.40
	Flagger Truck - F350 HiRail	Hour	128	\$ 16.80	100%	\$ 2,150.40
<b>RailWorks Labor &amp; Equipment - 2 Weekend Outages Assume DT for Budget</b>						
	Foreman	Hour	72	\$ 186.95	100%	\$ 13,460.17
	Laborers (x4)	Hour	288	\$ 171.99	100%	\$ 49,532.68
	Operators (x2)	Hour	144	\$ 228.36	100%	\$ 32,884.17
	Welder	Hour	72	\$ 180.96	100%	\$ 13,029.37
	Welder Helper	Hour	72	\$ 171.99	100%	\$ 12,383.17
	Flagger	Hour	72	\$ 186.95	100%	\$ 13,460.17
	Foreman Truck - F550 HiRail	Hour	72	\$ 32.55	100%	\$ 2,343.60
	Welding Truck	Hour	72	\$ 44.10	100%	\$ 3,175.20
	CWR Rail Heater / Vibrator	Hour	48	\$ 70.35	100%	\$ 3,376.80
	Rail Saw	Hour	72	\$ 12.60	100%	\$ 907.20
	Rail Drill	Hour	72	\$ 12.60	100%	\$ 907.20
	Mobile Power Pack	Hour	72	\$ 12.60	100%	\$ 907.20
	Flagger Truck - F350 HiRail	Hour	72	\$ 13.65	100%	\$ 982.80
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 281,229.30
<b>Materials</b>						
	Thermite Welds (12 + 2 extra)	EA	14	\$ 150.00	100%	\$ 2,100.00
	Ballast	Ton	150	\$ 60.00	100%	\$ 9,000.00
	7"x9"x10' Ties	EA	125	\$ 125.00	100%	\$ 15,625.00
	Rolled Pandrol Tie Plates	EA	250	\$ 25.00	100%	\$ 6,250.00
	15/16"x6" Screw Spikes	EA	1000	\$ 5.00	100%	\$ 5,000.00
	Galvanized e-Clips	EA	500	\$ 8.00	100%	\$ 4,000.00
	Precast Concrete Crossing Panels	TF	146	\$ 250.00	100%	\$ 36,500.00
	Insulated Joint Plug Rails	EA	4	\$ 2,950.00	100%	\$ 11,800.00
<i>Subtotal - Materials</i>						\$ 90,275.00
<b>Subcontractor</b>						
	Signal Support	Day	4	\$ 1,250.00	100%	\$ 5,000.00
	Subcontract Tamping	Day	4	\$ 7,650.00	100%	\$ 30,600.00
	Subcontract Tamping Mobilization	LS	2	\$ 15,000.00	100%	\$ 30,000.00
	HMA Subcontractor - DBE	LS	1	\$ 75,000.00	100%	\$ 75,000.00
<i>Subtotal - Subcontractor</i>						\$ 140,600.00
<b>Supplies &amp; Rental</b>						
	Front End Loader Rental (2x)	Month	1	\$ 9,000.00	100%	\$ 9,000.00
	Rental Walk Behind Asphalt/Concrete Saw	EA	1	\$ 4,000.00	100%	\$ 4,000.00
	Front End Loader Mobilization	Ea	4	\$ 2,700.00	100%	\$ 10,800.00
<i>Subtotal - Supplies &amp; Rental</i>						\$ 23,800.00
SUBTOTAL:						\$ 535,904.30
	Materials			10%	Markup: \$	9,027.50
	Subcontractor			5%	Markup: \$	7,030.00
	Supplies			10%	Markup: \$	2,380.00
TOTAL:						\$ 554,341.80

3.aa-1	Replace Long Beach Diamonds (100% Carry Over into 2025 Long Lead)	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
	Foreman	Hour	100	\$ 111.29	100%	\$ 11,128.77
	Laborers (x4)	Hour	400	\$ 103.81	100%	\$ 41,523.41
	Operators (x2)	Hour	200	\$ 133.69	100%	\$ 26,738.24
	Welder	Hour	100	\$ 108.30	100%	\$ 10,829.60
	Welder Helper	Hour	100	\$ 103.81	100%	\$ 10,380.85
	Flagger	Hour	100	\$ 111.29	100%	\$ 11,128.77
	Foreman Truck - F550 HiRail	Hour	100	\$ 16.80	100%	\$ 1,680.00
	Welding Truck	Hour	100	\$ 44.10	100%	\$ 4,410.00
	CWR Rail Heater / Vibrator	Hour	40	\$ 70.35	100%	\$ 2,814.00
	Rail Saw	Hour	80	\$ 12.60	100%	\$ 1,008.00
	Rail Drill	Hour	80	\$ 12.60	100%	\$ 1,008.00
	Mobile Power Pack	Hour	80	\$ 12.60	100%	\$ 1,008.00
	Flagger Truck - F350 HiRail	Hour	100	\$ 13.65	100%	\$ 1,365.00
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 125,022.64
<b>Materials</b>						
	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
<b>Subcontractor</b>						
	Signal Support	Day	5	\$ 1,250.00	100%	\$ 6,250.00
	Subcontract Tamping	Day	2	\$ 7,500.00	100%	\$ 15,000.00
	Subcontract Tamping Mobilization	LS	1	\$ 15,000.00	100%	\$ 15,000.00
<i>Subtotal - Subcontractor</i>						\$ 36,250.00
<b>Supplies &amp; Rental</b>						
	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 &amp; Rental</i>						\$ 28,800.00
<b>SUBTOTAL:</b>						\$ 788,072.64

Materials	10%	Markup: \$	59,800.00
Subcontractor	5%	Markup: \$	1,812.50
Supplies	10%	Markup: \$	2,880.00
		<b>TOTAL:</b>	\$ 852,565.14

3.gg-3	Curve Rail Replacement (Furnish and Install 6 pieces 2,500 LF)	U of M	QTY	Rate	Split	Total	
<b>RailWorks Labor &amp; Equipment</b>							
	Foreman x1	Hour	48	\$ 111.29	100%	\$ 5,341.81	
	Laborers x6	Hour	288	\$ 103.81	100%	\$ 29,896.86	
	Operators x2	Hour	160	\$ 133.69	100%	\$ 21,390.59	
	Welder	Hour	112	\$ 108.30	100%	\$ 12,129.15	
	Welder Helper	Hour	112	\$ 103.81	100%	\$ 11,626.56	
	Flagger	Hour	112	\$ 111.29	100%	\$ 12,464.22	
	Foreman Truck	Hour	48	\$ 32.55	100%	\$ 1,562.40	
	Welding Truck	Hour	112	\$ 44.10	100%	\$ 4,939.20	
	CWR Rail Heater / Vibrator	Hour	48	\$ 70.35	100%	\$ 3,376.80	
	Rail Saw	Hour	48	\$ 12.60	100%	\$ 604.80	
	Rail Drill	Hour	48	\$ 12.60	100%	\$ 604.80	
	Mobile Power Pack	Hour	112	\$ 12.60	100%	\$ 1,411.20	
	Flagger Truck	Hour	112	\$ 111.29	100%	\$ 12,464.22	
						100%	\$ -
						100%	\$ -
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 117,812.61	
<b>Materials</b>							
	Rail - 136RE, HH, 80' Lengths, Blank	Ton	58.03	\$ 2,700.00	100%	\$ 156,681.00	
	Rail Seat Pads, Insulators, Clips (per tie)	Each	1300	\$ 20.00	100%	\$ 26,000.00	
	Weld Kits	Each	33	\$ 150.00	100%	\$ 4,950.00	
<i>Subtotal - Materials</i>						\$ 187,631.00	
<b>Subcontractor</b>							
	Trucking Support - Moving 80' Rails	Day	2	\$ 1,500.00	100%	\$ 3,000.00	
	Signal Support	Day	6	\$ 1,250.00	100%	\$ 7,500.00	
<i>Subtotal - Subcontractor</i>						\$ 10,500.00	
<b>Supplies &amp; Rental</b>							
	Front End Loader Rental	Month	2	\$ 9,000.00	100%	\$ 18,000.00	
<i>Subtotal - Supplies &amp; Rental</i>						\$ 18,000.00	
<b>SUBTOTAL:</b>						\$ 333,943.61	

Materials	10%	Markup: \$	18,763.10
Subcontractor	5%	Markup: \$	525.00
Supplies	15%	Markup: \$	2,700.00
		<b>TOTAL:</b>	\$ 355,931.71

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 10% 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 1,2, & 3	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment (44 Bays at 2 Bays per Shift)</b>						
	Foreman & Flagger	Hour	800	\$ 111.29	100%	\$ 89,030.15
	Laborers	Hour	1400	\$ 103.81	100%	\$ 145,331.94
	Operators	Hour	400	\$ 133.69	100%	\$ 53,476.47
						100% \$ -
	Foreman Truck x2	Hour	800	\$ 32.55	100%	\$ 26,040.00
	Flagger Truck	Hour	200	\$ 16.80	100%	\$ 3,360.00
	Grapple Truck	Hour	200	\$ 67.20	100%	\$ 13,440.00
	Hi-Rail Excavator	Month	3	\$ 12,000.00	100%	\$ 36,000.00
	Rail Cart	Hour	200	\$ 12.60	100%	\$ 2,520.00
	Mobile Power Pack	Hour	200	\$ 12.60	100%	\$ 2,520.00
	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
	Labor Carryover from 2024	LS	1	\$ 381,000.00	100%	\$ 381,000.00
	Contingency - Unplanned / Planned Overtime	LS	1	\$ 50,000.00	100%	\$ 50,000.00
<i>Subtotal - RWs Labor &amp; Equipment</i>						\$ 1,162,318.56
<b>Materials</b>						
	Bridge Timber	Each	300	\$ 525.00	100%	\$ 157,500.00
	Sidewalk Timbers	Each	150	\$ 315.00	100%	\$ 47,250.00
	Timber Guard	Each	120	\$ 185.00	100%	\$ 22,200.00
	Rolled Pandrol Tie Plates - 136RE, 4R/2SQ	Each	600	\$ 32.00	100%	\$ 19,200.00
	E-Clips - RH Galvanized	Each	1200	\$ 11.00	100%	\$ 13,200.00
	15/16" x 6-1/2" Evergrip Coach Screws	Each	2400	\$ 7.00	100%	\$ 16,800.00
	Rail - 136RE (500TF plus waste)	Ton	26	\$ 1,800.00	100%	\$ 46,800.00
	Weld Kits	Each	30	\$ 150.00	100%	\$ 4,500.00
	Miscellaneous Hardware	LS	1	\$ 9,000.00	100%	\$ 9,000.00
	Fall Protection Materials	LS	1	\$ 11,000.00	100%	\$ 11,000.00
	Material Carryover from CY2024 Approved Budget	LS	1	\$ 345,126.00	100%	\$ 345,126.00
<i>Subtotal - Materials</i>						\$ 692,576.00
<b>Subcontractor</b>						
	Tie Disposal - Includes 2024 Carryover and 2025 Proposed (50-50)	EA	1200	\$ 22.00	100%	\$ 26,400.00
	Signal Support - Includes 2024 Carryover and 2025 Proposed (50-50)	Day	80	\$ 1,250.00	100%	\$ 100,000.00
<i>Subtotal - Subcontractor</i>						\$ 126,400.00
						SUBTOTAL: \$ 1,981,294.56
						Materials 10% Markup: \$ 69,257.60
						Subcontractor 5% Markup: \$ 6,320.00
						Supplies 10% Markup: \$ -
						TOTAL: \$ 2,056,872.16
3.oo	Replacement of M23A Switches Machines	U of M	QTY	Rate	Split	Total
	M23A Switch Machine Materials - Refurbishments	EA	4	\$ 32,000.00	100%	\$ 128,000.00
						\$ -
						SUBTOTAL: \$ 128,000.00
						Materials 10% Markup: \$ 12,800.00
						Subcontractor 5% Markup: \$ -
						Supplies 10% Markup: \$ -
						TOTAL: \$ 140,800.00

3.qq	Furnish and Replace Rail Lubricator Systems	U of M	QTY	Rate	Split	Total	
<b>Railworks Labor &amp; Equipment</b>							
	Foreman	Hour	40	\$ 111.29	100%	\$ 4,451.51	
	Laborers	Hour	80	\$ 103.81	100%	\$ 8,304.68	
	Foreman Truck - F550 HiRail	Hour	40	\$ 32.55	100%	\$ 1,302.00	
	<i>Subtotal - RWs Labor &amp; Equipment</i>					\$	14,058.19
<b>Furnish and Replace Rail Lubricator Systems</b>							
	Rail Wheel Lubricator System	EA	2	\$ 50,000.00	100%	\$ 100,000.00	
	<i>Subtotal - Materials</i>					\$	100,000.00

SUBTOTAL: \$ 114,058.19

Materials	10%	Markup: \$	10,000.00
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
TOTAL:			\$ 124,058.19

3.ss	Corridor Signals - Design	U of M	QTY	Rate	Split	Total	
<b>Materials</b>							
					100%	\$ -	
					100%	\$ -	
					100%	\$ -	
	<i>Subtotal - Materials</i>					\$	-
<b>Subcontractor</b>							
	Design (PRE)	LS	0	\$ 100,000.00	100%	\$ -	
					100%	\$ -	
	<i>Subtotal - Subcontractor</i>					\$	-

SUBTOTAL: \$ -

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	-
TOTAL:			\$ -

3.rr	Corridor Signal Modernization - Construction	U of M	QTY	Rate	Split	Total	
<b>Labor - Estimated at approx 50% of this cost</b>							
	Signal Modernization	LS	1	\$ 1,501,000.00	100%	\$ 1,501,000.00	
	<i>Subtotal - Labor</i>					\$	1,501,000.00
<b>Materials</b>							
					100%	\$ -	
					100%	\$ -	
					100%	\$ -	
	<i>Subtotal - Materials</i>					\$	-
<b>Subcontractor - Estimated at approx 50% of this cost before markup</b>							
	Signal Modernization	LS	1	\$ 1,429,523.81	100%	\$ 1,429,523.81	
	<i>Subtotal - Subcontractor</i>					\$	1,429,523.81

This line item represents 33.3% of the total signal modernization construction costs. See 2.ff.

SUBTOTAL: \$ 2,930,523.81

Materials	10%	Markup: \$	-
Subcontractor	5%	Markup: \$	71,476.19
Supplies	10%	Markup: \$	-
TOTAL:			\$ 3,002,000.00

3.tt	Replace CP Dominguez / Manual Main SW1 (SW 1X - #10)	U of M	QTY	Rate	Split	Total	
<b>RailWorks Labor &amp; Equipment - Prep for Outage &amp; Clean Up</b>							
	Foreman	Hour	40	\$ 111.29	100%	\$ 4,451.51	
	Laborers (x4)	Hour	160	\$ 103.81	100%	\$ 16,609.37	
	Operators (x2)	Hour	40	\$ 133.69	100%	\$ 5,347.65	
	Welder	Hour	40	\$ 108.30	100%	\$ 4,331.84	
	Welder Helper	Hour	40	\$ 103.81	100%	\$ 4,152.34	
	Flagger	Hour	40	\$ 111.29	100%	\$ 4,451.51	
	Foreman Truck - F550 HiRail	Hour	40	\$ 32.55	100%	\$ 1,302.00	
	Welding Truck	Hour	40	\$ 44.10	100%	\$ 1,764.00	
	CWR Rail Heater / Vibrator	Hour	0	\$ 70.35	100%	\$ -	
	Rail Saw	Hour	40	\$ 12.60	100%	\$ 504.00	
	Rail Drill	Hour	40	\$ 12.60	100%	\$ 504.00	
	Mobile Power Pack	Hour	40	\$ 12.60	100%	\$ 504.00	
	Flagger Truck - F350 HiRail	Hour	40	\$ 16.80	100%	\$ 672.00	
<b>RailWorks Labor &amp; Equipment - Outage (Assume DT for Weekend Window)</b>							
	Foreman	Hour	48	\$ 186.95	100%	\$ 8,973.44	
	Laborers (x4)	Hour	192	\$ 171.99	100%	\$ 33,021.78	
	Operators (x2)	Hour	96	\$ 228.36	100%	\$ 21,922.78	
	Welder	Hour	48	\$ 180.96	100%	\$ 8,686.25	
	Welder Helper	Hour	48	\$ 171.99	100%	\$ 8,255.45	
	Flagger	Hour	48	\$ 186.95	100%	\$ 8,973.44	
	Foreman Truck - F550 HiRail	Hour	48	\$ 32.55	100%	\$ 1,562.40	
	Welding Truck	Hour	48	\$ 44.10	100%	\$ 2,116.80	
	CWR Rail Heater / Vibrator	Hour	48	\$ 70.35	100%	\$ 3,376.80	
	Rail Saw	Hour	48	\$ 12.60	100%	\$ 604.80	
	Rail Drill	Hour	48	\$ 12.60	100%	\$ 604.80	
	Mobile Power Pack	Hour	48	\$ 12.60	100%	\$ 604.80	
	Flagger Truck - F350 HiRail	Hour	48	\$ 16.80	100%	\$ 806.40	
	Contingency - Unplanned / Planned Overtime	LS	1	\$ 2,500.00	100%	\$ 2,500.00	
	<i>Subtotal - RWs Labor &amp; Equipment</i>					\$	146,604.15
<b>Materials</b>							
	No. 10 UPRR Spec No. 10 Turnout - LH, 136RE, RBM, Concrete	EA	1	\$ 175,000.00	100%	\$ 175,000.00	
	Ballast	Ton	250	\$ 60.00	100%	\$ 15,000.00	
	Switch Machine & Layout - Reuse Existing ???	EA	1	\$ 20,000.00	100%	\$ 20,000.00	
	Thermite Weld Kits - Inclusive of Install	EA	18	\$ 150.00	100%	\$ 2,700.00	
	<i>Subtotal - Materials</i>					\$	212,700.00
<b>Subcontractor</b>							
	Signal Support	Day	5	\$ 1,250.00	100%	\$ 6,250.00	
	Subcontract - Design	LS	1	\$ 35,000.00	100%	\$ 35,000.00	
	Subcontract - Hulcher	LS	1	\$ 40,000.00	100%	\$ 40,000.00	
	Subcontract Tamping	Day	2	\$ 7,500.00	100%	\$ 15,000.00	
	Subcontract Tamping Mobilization	LS	1	\$ 15,000.00	100%	\$ 15,000.00	
	<i>Subtotal - Subcontractor</i>					\$	111,250.00
<b>Supplies &amp; Rental</b>							
	Front End Loader Rental (2x)	Month	1	\$ 9,000.00	100%	\$ 9,000.00	
	Front End Loader Mobilization	Ea	2	\$ 2,700.00	100%	\$ 5,400.00	
	<i>Subtotal - Supplies &amp; Rental</i>					\$	14,400.00

SUBTOTAL: \$ 484,954.15

Materials	10%	Markup: \$	21,270.00
Subcontractor	5%	Markup: \$	5,562.50
Supplies	10%	Markup: \$	1,440.00
		TOTAL: \$	513,226.65



3.uu	Install Maintenance Pad at S. Laurel Park Road for HiRail (35x60)	U of M	QTY	Rate	Split	Total
<b>RailWorks Labor &amp; Equipment</b>						
	Foreman	Hour	16	\$ 111.29	100%	\$ 1,780.60
	Laborers (x4)	Hour	64	\$ 103.81	100%	\$ 6,643.75
	Operators (x2)	Hour	32	\$ 133.69	100%	\$ 4,278.12
	Welder	Hour	0	\$ 108.30	100%	\$ -
	Welder Helper	Hour	0	\$ 103.81	100%	\$ -
	Flagger	Hour	16	\$ 111.29	100%	\$ 1,780.60
	Foreman Truck - F550 HiRail	Hour	16	\$ 32.55	100%	\$ 520.80
	Welding Truck	Hour	0	\$ 44.10	100%	\$ -
	CWR Rail Heater / Vibrator	Hour	0	\$ 70.35	100%	\$ -
	Rail Saw	Hour	0	\$ 12.60	100%	\$ -
	Rail Drill	Hour	0	\$ 12.60	100%	\$ -
	Mobile Power Pack	Hour	0	\$ 12.60	100%	\$ -
	Flagger Truck - F350 HiRail	Hour	16	\$ 16.80	100%	\$ 268.80
	<i>Subtotal - RWs Labor &amp; Equipment</i>					\$ 15,272.67
<b>Materials</b>						
	Felt	SF	2100	\$ 5.00	100%	\$ 10,500.00
	HMA (35'x60'x1')	TN	171	\$ 250.00	100%	\$ 42,750.00
				\$ -	100%	\$ -
				\$ 150.00	100%	\$ -
	<i>Subtotal - Materials</i>					\$ 53,250.00
<b>Subcontractor</b>						
				\$ -	100%	\$ -
				\$ -	100%	\$ -
				\$ -	100%	\$ -
				\$ -	100%	\$ -
	<i>Subtotal - Subcontractor</i>					\$ -
<b>Supplies &amp; Rental</b>						
	Rental Roller and VibraPlate	LS	1	\$ 6,000.00	100%	\$ 6,000.00
	Rental Roller and VibraPlate Mobilization	Ea	1	\$ 1,000.00	100%	\$ 1,000.00
	<i>Subtotal - Supplies &amp; Rental</i>					\$ 7,000.00

SUBTOTAL: \$ 75,522.67

Materials	10%	Markup: \$	5,325.00
Subcontractor	5%	Markup: \$	-
Supplies	10%	Markup: \$	700.00
		<b>TOTAL: \$</b>	<b>81,547.67</b>

**Attachments 5 – Proposed 2025 O&M Budget**

### Alameda Corridor - Proposed Draft CY2025 Operations & Maintenance (O&M) Budget

	Calendar Year 2025					Amended Calendar Year 2024					Variance	
	Basis of Apportionment		R.R. M & O	Reserve Account	Fin. Account (ACTA	Total	R.R. M & O	Reserve Account	Fin. Account (ACTA	Total	CY25-CY24	% Change
	GR Ton MI	Train MI	(Rail) <sup>A</sup>	(Non-Rail) <sup>B</sup>	AEI & Other) <sup>C</sup>		(Rail) <sup>A</sup>	(Non-Rail) <sup>B</sup>	AEI & Other) <sup>C</sup>			
<b>I. Labor &amp; Maintenance: (1. Labor Cost, 2. Maintenance Cost)</b>												
1.a.i	Contract Manager	TM	\$ 252,616.00	\$ 72,176.00	\$ 36,088.00	\$ 360,880.00	\$ 245,252.00	\$ 70,072.00	\$ 35,036.00	\$ 350,360.00	\$ 10,520	3.0%
1.a.ii	Track Supervisor	GTM	217,760.00	54,440.00	-	272,200.00	211,424.00	52,856.00	-	264,280.00	\$ 7,920	3.0%
1.a.iii	Safety Supervisor	GTM	217,760.00	54,440.00	-	272,200.00	211,424.00	52,856.00	-	264,280.00	\$ 7,920	3.0%
1.a.iv	Office Manager	TM	74,790.00	74,790.00	-	149,580.00	72,610.00	72,610.00	-	145,220.00	\$ 4,360	3.0%
1.b	Track Inspector	GTM	238,991.46	-	-	238,991.46	225,908.64	-	-	225,908.64	\$ 13,083	5.8%
1.b.i	Track Foreman	GTM	461,566.83	-	-	461,566.83	436,208.64	-	-	436,208.64	\$ 25,358	5.8%
1.b.iii	Track Laborers	GTM	824,487.16	21,140.70	-	845,627.85	779,402.52	19,984.68	-	799,387.20	\$ 46,241	5.8%
1.b.iv	Equipment Operators	TM	389,458.65	31,577.73	-	421,036.37	378,495.87	30,688.85	-	409,184.72	\$ 11,852	2.9%
1.b.v	Welder	GTM	340,801.57	-	-	340,801.57	415,326.56	-	-	415,326.56	\$ (74,525)	-17.9%
1.b.vi	Welder Helper	GTM	222,776.67	-	-	222,776.67	210,667.20	-	-	210,667.20	\$ 12,109	5.7%
1.b.vii	Laborer (Non-Rail)	TM	-	222,776.67	-	222,776.67	-	210,667.20	-	210,667.20	\$ 12,109	5.7%
1.b.viii	Foreman (Non-Rail)	TM	-	238,991.46	-	238,991.46	-	225,908.64	-	225,908.64	\$ 13,083	5.8%
1.b.ix	Track Superintendent	GTM	147,595.97	147,595.97	-	295,191.95	138,417.16	138,417.16	-	276,834.32	\$ 18,358	6.6%
2.b	Pump Station Maintenance	TM	-	17,337.60	-	17,337.60	-	16,512.00	-	16,512.00	\$ 826	5.0%
2.b.i	Pump Station Repairs and Supplies (Subcontractor)	TM	-	34,155.00	-	34,155.00	-	34,815.00	-	34,815.00	\$ (660)	-1.9%
2.c	AEI & Other Communications Maintenance	TM	289,079.41	-	175,081.49	464,160.90	272,207.54	-	164,863.01	437,070.55	\$ 27,090	6.2%
2.d	Rail Flaw Detection (Subcontractor)	GTM	78,750.00	-	-	78,750.00	75,600.00	-	-	75,600.00	\$ 3,150	4.2%
2.e	Graffiti Control	TM	-	32,737.60	-	32,737.60	-	31,912.00	-	31,912.00	\$ 826	2.6%
2.f	Weed Abatement (Subcontractor)	TM	67,776.00	16,944.00	-	84,720.00	67,344.00	16,836.00	-	84,180.00	\$ 540	0.6%
2.g	Safety Training (Subcontractor)	TM	29,006.25	5,118.75	-	34,125.00	29,006.25	5,118.75	-	34,125.00	\$ -	0.0%
2.h	Safety Management	TM	20,750.63	3,661.88	-	24,412.50	20,750.63	3,661.88	-	24,412.51	\$ (0)	0.0%
2.i	Vehicles	TM	281,194.20	93,731.40	-	374,925.60	292,572.00	97,524.00	-	390,096.00	\$ (15,170)	-3.9%
2.l	Full-Time Equipment	TM	362,745.60	-	-	362,745.60	341,472.00	-	-	341,472.00	\$ 21,274	6.2%
2.m	Maintenance Program Rail Grinding - (50% of Total Cost)	GTM	740,731.99	-	-	740,731.99	351,346.09	-	-	351,346.09	\$ 389,386	110.8%
2.n	Track Materials / Supplies / Rentals	GTM	475,000.00	-	-	475,000.00	331,200.00	-	-	331,200.00	\$ 143,800	43.4%
2.o	Signal Maintenance (Subcontractor)	TM	3,289,017.64	-	-	3,289,017.64	2,998,572.20	-	-	2,998,572.20	\$ 290,445	9.7%
2.p	Ladder / Fence / Traffic Support (Subcontractor)	TM	-	497,400.00	-	497,400.00	-	535,900.00	-	535,900.00	\$ (38,500)	-7.2%
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	\$ -	0.0%
2.r	Security / Yard & Office Maintenance & Support (Subcontractor)	TM	328,860.00	-	-	328,860.00	283,500.00	-	-	283,500.00	\$ 45,360	16.0%
2.s	Underwater Bridge Inspection (Not until 2028)	TM	-	-	-	-	-	-	-	-	\$ -	0.0%
2.t	Trench Ditch Cleaning	TM	-	89,250.00	-	89,250.00	-	89,250.00	-	89,250.00	\$ -	0.0%
2.w	Railroad Reporting and Record Keeping Software System (Subcontractor)	TM	46,620.00	-	-	46,620.00	46,620.00	-	-	46,620.00	\$ -	0.0%
2.x	Railroad Emergency Drill Exercise	TM	32,283.28	-	-	32,283.28	30,935.32	-	-	30,935.32	\$ 1,348	4.4%
2.aa	AEI Readers Upgrade - Completed in 2021		-	-	-	-	-	-	-	-	\$ -	0.0%
2.dd	Bridge Inspections (Subcontractor)	TM	42,000.00	-	-	42,000.00	39,900.00	-	-	39,900.00	\$ 2,100	5.3%
2.ee	Communication System Repair (Construction)	TM	5,208,000.00	-	-	5,208,000.00	4,000,000.00	-	-	4,000,000.00	\$ 1,208,000	30.2%
2.ff	Corridor Signal Modernization (Construction)	TM	-	-	-	-	-	-	-	-	\$ -	0.0%
<b>Subtotal I-Labor &amp; Operations Maintenance</b>			\$ 14,694,741.30	\$ 1,713,379.75	\$ 212,192.49	\$ 16,620,313.54	\$ 12,520,484.61	\$ 1,710,705.16	\$ 200,922.01	\$ 14,432,111.78	\$ 2,188,201.76	15.2%

	Calendar Year 2025					Amended Calendar Year 2024				Variance			
	Basis of Apportionment		R.R. M & O	Reserve Account	Fin. Account (ACTA	Total	R.R. M & O	Reserve Account	Fin. Account (ACTA	Total	CY25-CY24	% Change	
	GR Ton MI	Train MI	(Rail) <sup>A</sup>	(Non-Rail) <sup>B</sup>	AEI & Other) <sup>C</sup>		(Rail) <sup>A</sup>	(Non-Rail) <sup>B</sup>	AEI & Other) <sup>C</sup>				
<b>II. Capital Costs</b>													
3.a	Surfacing & Mobilization		-	575,369.75	-	575,369.75	-	615,247.92	-	615,247.92	\$	(39,878.17)	-6.5%
3.c	Reballast Program - Labor & Equipment		-	390,720.96	-	390,720.96	-	372,391.28	-	372,391.28	\$	18,329.68	4.9%
3.d	Reballast Program - Ballast		-	66,000.00	-	66,000.00	-	66,000.00	-	66,000.00	\$	-	0.0%
3.f	Capital Program Rail Grinding - (50% of Total Cost)		-	-	-	-	-	351,346.09	-	351,346.09	\$	(351,346.09)	-100.0%
3.h-2	Replace 20 Frogs		-	-	-	-	-	785,037.52	-	785,037.52	\$	(785,037.52)	-100.0%
3.h-3	Replace 40 Switch Point and Stock Rail		-	681,914.06	-	681,914.06	-	615,203.12	-	615,203.12	\$	66,710.94	10.8%
3.h-5	Insulated Joint Replacement		-	197,603.56	-	197,603.56	-	185,444.75	-	185,444.75	\$	12,158.81	6.6%
3.o	Pump Station Upgrades (Subcontractor)		-	240,250.00	-	240,250.00	-	240,250.00	-	240,250.00	\$	-	0.0%
3.r	Trench Emergency Ladder, Stair Study, & Repairs (Subcontractor)		-	129,000.00	-	129,000.00	-	129,000.00	-	129,000.00	\$	-	0.0%
3.w	North Henry Ford Avenue Crossing Replacement		-	554,341.80	-	554,341.80	-	-	-	-	\$	554,341.80	
3.aa-1	Replace Long Beach Diamonds		-	852,565.14	-	852,565.14	-	842,719.48	-	842,719.48	\$	9,845.66	1.2%
3.gg-3	Curve Rail Replacement		-	355,931.71	-	355,931.71	-	414,245.18	-	414,245.18	\$	(58,313.47)	-14.1%
3.ii	Fixed Trench Ladders (Subcontractor)		-	420,000.00	-	420,000.00	-	420,000.00	-	420,000.00	\$	-	0.0%
3.mm	Miscellaneous Trench Structure Repairs (Subcontractor)		-	63,000.00	-	63,000.00	-	63,000.00	-	63,000.00	\$	-	0.0%
3.nn	Compton Bridges - Replace Deck Ties		-	2,056,872.16	-	2,056,872.16	-	1,141,430.44	-	1,141,430.44	\$	915,441.72	80.2%
3.oo	Replacement of M23A Switches Machines		-	140,800.00	-	140,800.00	-	110,000.00	-	110,000.00	\$	30,800.00	28.0%
3.qq	Furnish and Replace Rail Lubricator Systems		-	124,058.19	-	124,058.19	-	111,195.60	-	111,195.60	\$	12,862.59	11.6%
3.ss	Corridor Signals (Added XO) - Design		-	-	-	-	-	-	-	-	\$	-	
3.rr	Corridor Signal Modernization - Construction		-	3,002,000.00	-	3,002,000.00	-	2,300,000.00	-	2,300,000.00	\$	702,000.00	30.5%
3.tt	Replace CP Dominguez / Manual Main SW1 (SW 1X - #10)		-	513,226.65	-	513,226.65	-	-	-	-	\$	513,226.65	
3.uu	Install Maintenance Pad at S. Laurel Park Road for HiRail (35x60)		-	81,547.67	-	81,547.67	-	-	-	-	\$	81,547.67	
	<b>Subtotal II-Capital Costs</b>		\$ -	\$ 10,445,201.64	\$ -	\$ 10,445,201.64	\$ -	\$ 8,762,511.38	\$ -	\$ 8,762,511.38	\$	1,682,690.26	19.2%
	<b>Subtotal of I &amp; II</b>		\$ 14,694,741.30	\$ 12,158,581.39	\$ 212,192.49	\$ 27,065,515.18	\$ 12,520,484.61	\$ 10,473,216.54	\$ 200,922.01	\$ 23,194,623.16	\$	3,870,892.02	16.7%
<b>III. Other Operating Costs</b>													
	Insurance (annual amount) (8)	TM	\$ 3,296,225.01	\$ -	\$ -	\$ 3,296,225.01	\$ 2,797,376.61	\$ -	\$ -	\$ 2,797,376.61	\$	498,848.40	17.8%
	Dispatching (1)	(9)	702,725.08	-	-	702,725.08	682,257.36	-	-	682,257.36	\$	20,467.72	3.0%
	Security - Labor (2)	(9)	2,571,205.48	-	-	2,571,205.48	2,496,316.00	-	-	2,496,316.00	\$	74,889.48	3.0%
	Security - Equipment (3)	(9)	513,840.22	-	-	513,840.22	498,874.00	-	-	498,874.00	\$	14,966.22	3.0%
	Utilities (5)	TM	223,733.18	-	-	223,733.18	220,000.00	-	-	220,000.00	\$	3,733.18	1.7%
	Storm Water Discharge Permits, Water Testing & Support Services (4)	TM	75,000.00	-	-	75,000.00	75,000.00	-	-	75,000.00	\$	-	0.0%
	Provide 3rd Party Security Monitoring & Support Services	TM	3,500.00	-	-	3,500.00	3,500.00	-	-	3,500.00	\$	-	0.0%
	M&O or Capital Reserve Support Service (6)	TM	718,678.00	308,005.00	-	1,026,683.00	684,455.00	293,338.00	-	977,793.00	\$	48,890.00	5.0%
	Communications Network and Alarm/Phone Upgrades and Renewals	TM	30,001.00	-	-	30,001.00	30,000.00	-	-	30,000.00	\$	1.00	0.0%
	Signal Plan Updates for Various Control Points (Signal Modernization)	TM	700,000.00	700,000.00	-	1,400,000.00	2,239,000.00	1,700,000.00	-	3,939,000.00	\$	(2,539,000.00)	-64.5%
	Communications System Repair Design (Fiber Optic Cable Replacement)	TM	50,000.00	50,000.00	-	100,000.00	611,000.00	-	-	611,000.00	\$	(511,000)	-83.6%
	Radio Replacement - 200 MHz	TM	-	-	-	-	-	-	-	-	\$	-	
	Extraordinary Right-of-Way Cleanup	TM	227,850.00	-	-	227,850.00	217,000.00	-	-	217,000.00	\$	10,850.00	5.0%
	AEI Readers Component Replacements (7)	Special Apportionment	13,340.00	-	6,660.00	20,000.00	-	-	-	-	\$	20,000.00	
	Other M&O		20,000.00	-	-	20,000.00	20,000.00	-	-	20,000.00	\$	-	
	<b>Subtotal III-Other Operating Costs</b>		\$ 9,146,097.98	\$ 1,058,005.00	\$ 6,660.00	\$ 10,210,762.98	\$ 10,574,778.97	\$ 1,993,338.00	\$ -	\$ 12,568,116.97	\$	(2,357,353.99)	-18.8%
	<b>IV. Contingency for 2025 upon approval of Parties</b>					\$ 500,000.00				\$ 500,000.00	\$	-	0.0%
	<b>Total of I, II, III, &amp; IV</b>		\$ 23,840,839.27	\$ 13,216,586.39	\$ 218,852.49	\$ 37,776,278.16	\$ 23,095,263.58	\$ 12,466,554.54	\$ 200,922.01	\$ 36,262,740.13	\$	1,513,538.03	4.2%

(1,2,3) These costs are for memorandum purposes only & are internal Railroads costs not paid by ACTA  
 (4) Includes annual fees  
 (5) Previous Actual Expenditures plus 20% increase but only approx. \$3k increase from last year's budget  
 (6) Split based on 2024 work estimates plus 5% increase

(7) Split based upon allocation plan for installation & maintenance agreed to by ACTA and the Railroads  
 (8) Estimate based on 2024 actuals plus 15% increase  
 (9) Apportionment between Railroads based upon private agreement between the parties.  
 FBLR = Fully Burden Labor Rate

(A) Costs paid by Railroads prorated among carriers  
 (B) Costs paid by ACTA from the Reserve Account  
 (C) Costs paid by ACTA from Financing Fee Account