



Utah Transit Authority
 669 West 200 South
 Salt Lake City, Utah 84101
 P: +18017433882

Project: SGR403 Train Control Rehab & Replacmn

Task Order Request #25-005 - Station Exempt Signal Removal

| | | | |
|---------------------|--------------|--------------------|--------------|
| Status | Open | Assignees | Dean Hansen |
| Created Date | Nov 20, 2024 | Issued Date | Nov 20, 2024 |

TASK ORDER IDENTIFICATION

| | | | |
|------------------------|---------------------------------|----------------------------|----------|
| Contract No | 24-03814 | Contract Start Date | 06/14/24 |
| Contractor Name | ROCKY MOUNTAIN SYSTEMS SERVICES | Account Code(s) | TBD |

1.0 SCOPE OF SERVICES

The contractor's scope letter and price estimate is hereby attached and incorporated into this Task Order

[25-005 Station Exempt Signal Removal_RMSS-52720-006_Proposal.pdf](#)

2.0 SCHEDULE

| | | | |
|---|----------|---|----------|
| The Substantial Completion Date for this Task is | 07/22/25 | The Final Acceptance Date for this Task is | 09/04/25 |
|---|----------|---|----------|

3.0 PRICING

| | | | |
|---|----------|---|--|
| The pricing agreement for this item is one of the following: | Lump Sum | Invoices will be billed on a monthly basis for completed work to date. The price for this item is in the amount of | \$343,272 |
| Provisional Sum Amount (if applicable). Note: Any unused amount of this provisional sum amount will be deducted from the contract upon closeout of the task order. | N/A | Independent Cost Estimate (ICE) link, if applicable | 25-005 Station Exempt Signal Removal_ICE.pdf |

4.0 APPLICABILITY OF FEDERAL CLAUSES

| | | | |
|---|----|--|--|
| Does this Task Order include federal assistance funds which requires the application of the Federal Clauses appended as Exhibit D to the Contract? | No | If federal assistance funds are anticipated, the UTA Civil Rights group has set a Disadvantaged Business Enterprises (DBE) participation goal | SGR403 does not have federal funding this year; however, the use of federal dollars is optional. Received goal of Race Neutral . |
|---|----|--|--|

for this Task Order
of

UTAH TRANSIT AUTHORITY:

Required Signatures Explanation
Project Manager \$0 - 24,999
Legal Review \$25k or greater
Dir. of Capital Projects \$25k - 74,999
Chief Service Dev. Ofcr. \$75k - 199,999
Executive Director \$200,000+
Procurement/Contracts (for all)

Signature (Legal)
DocuSigned by:
By: Mike Bell
Name: MIKE BELL
Date: 11/21/2024

PM Approval The costs associated with this item have been measured against the standard schedule of rates and the agreed contract pricing, (where applicable) and have been deemed consistent and appropriate for the proposed scope of work.

Signature (Project Manager)
Signed by:
By: Dean Hansen
Name: Dean Hansen
Date: 11/21/2024

Director Approval I have evaluated the content of this task order and the scope of work described in the task ordering agreement and have made the determination that this Task Order is within the scope of work contemplated and described by the contracting parties when they executed the original task ordering agreement.

Signature (Director)
Signed by:
By: Jared Scarborough
Name: Jared Scarborough
Date: 11/21/2024

Signature (Procurement)
By: _____
Name: _____
Date: _____

Signature (Chief Service Development Officer)
By: _____
David Hancock, Chief Service Development Officer
Date: _____

Signature (Executive Director)
By: _____
Jay Fox, Executive Director
Date: _____

COMPANY:

COMPANY: ROCKY MOUNTAIN SYSTEMS SERVICES

RMS Required Signature Explanation

- Up to \$100K – Josh Lafleur (jlafleur@modrailsystems.com)
- \$100K - \$500K – Anthony Ortolani (aortolani@modrailsystems.com)
- \$500K – \$2.5M - Shon Tulik (stulik@modrailsystems.com)
- >\$2.5M or Contract Time Extensions – Paul Reiger (preiger@modrailsystems.com)

**Signature
(Contractor)**

DocuSigned by:
By: Anthony Ortolani
Name: Anthony Ortolani
Date: 11/21/2024



November 11, 2024

RMSS-52720-006

Mr. Dean Hansen
Manager of Systems Engineering
2264 South 900 West
Salt Lake City, UT 84119

Reference: Utah Transit Authority – Systems On-Call Services

Subject: Station Exempt Signal Removal

Dean,

Rocky Mountain Systems Services (RMSS) is pleased to provide a proposal for the removal of station exempt signals and all station exempt signal structures on the TRAX N/S Mainline alignment. UTA installed freight timers that eliminate the need for the station exempt signals.

Our lump sum price for this proposal is **\$308,833.00**

Our lump sum price for this proposal with XLOK logic removed is \$343,272.00

The scope of work covered in this proposal is as follows: Rocky Mountain Systems Services (RMSS) will remove all grade crossing station exempt control circuits (XLOK output relay, NS EE/SE/COM wires) and update train control logic. Removal of all station exempt signal structures (Lamp head, pole, pole foundation) from the following locations:

Scope of Work

- Grade crossing station exempt control circuit removal and update locations:
 - 1300 S Crossing
 - Haven Ave Crossing
 - 2100 S Crossing
 - 3300 S Crossing
 - Gregson Crossing
 - 3900 S Crossing
 - 4500 S Crossing
 - Fireclay Ave Crossing
 - Vine St Crossing
 - Winchester Crossing
 - 6100 S Crossing
 - 7200 S Crossing
 - 7500 S Crossing
 - 7720 S Crossing
 - 8800 S Crossing
 - 9000 S Crossing

- Station exempt Coupler case modification locations:
 - 690+90 – S9700CC
 - 634+75 – S9690CC
 - 623+15 – S9668CC
 - ???+?? – S9663CC
 - 619+60 – S9662CC
 - 613+10 – S9649CC
 - 608+45 – S9641CC
 - 563+10 – S9555CC
 - 557+70 – S9545CC
 - 552+80 – S9535CC
 - 551+10 – S9533CC1
 - 544+90 – S9520CC
 - 537+95 – S9507CC
 - 534+60 – S9501CC

UTA is proceeding with this option - Dean Hansen



ROCKY MOUNTAIN SYSTEMS SERVICES

- 529+60 – S9491CC
 - 526+40 – S9485CC
 - 517+65 – S9469CC
 - 513+00 – S9458CC
 - 510+40 – S9454CC
 - 505+35 – S9455CC
 - 496+85 – S9428CC
 - 470+10 – S9379CC
 - 463+40 – S9367CC
 - 461+95 – S9366CC
 - 458+85 – S9357CC
 - 450+95 – S9343CC
- Station exempt signal structure removal locations:
 - 636+02 – 387 ft. north of 2100 S
 - 613+10 – 246 ft. south of Haven Ave
 - 557+50 – 413 ft. north of Gregson Ave
 - 534+60 – 427 ft. south of 3300 S
 - 510+40 – 736 ft. South of S3600 Signal
 - 463+40 – 504 ft. North of Fireclay Ave
 - 439+45 – 173 ft. South of S4600 Signal
 - 379+38 – 1082 ft. South of Murray Central Station
 - 311+30 – 120 ft. South of 6100 S
 - 292+65 – 75 ft. North of Winchester
 - 228+42 – 185 ft. North of 7500 S
 - 245+45 – 186 ft. South of 7200 S
 - 185+81 – 70 f.t North of 8000 S
 - 113+70 – 555 ft. South of 9000 S
 - 138+24 – 80 ft. North of 8720 S
 - Additional scope elements
 - Tag and relabel all NS EE/SE/COM wires.
 - Pull and remove all NS EE/SE/COM central circuit wires in the signal house.
 - Pull and remove all XLOKR relay and relay wires.
 - Cut and cap conduit in place where it enters the signal foundations:
 - Leave underground cable in place and label as “SPARE”.
 - Pull out and remove NS EE/SE/COM cable from signal/foundation location to the nearest coupler case.
 - Remove any existing HON trolley detector equipment from signal locations or coupler cases.
 - Update circuit plans to remove any existing HON trolley detector equipment from signal locations or coupler cases.
 - Remove all equipment related to the station exempt signal functionality and ensure proper grade crossing activation.
 - Update signal plan drawings, CAD and PDF.
 - **Provide updated train control logic to remove software (XLOK output logic) from the grade crossing locations. (This is an option with the updated lump sum price above.)**



- Deliverables

| SUBMITTAL ID | DELIVERABLE DESCRIPTION | Type | REVISION LEVEL |
|----------------|-------------------------|----------------|----------------|
| SUB-PTO006-001 | 1300 S Crossing | Location Plans | IFC |
| SUB-PTO006-002 | 4500 S Crossing | Location Plans | IFC |
| SUB-PTO006-003 | 7720 S Crossing | Location Plans | IFC |
| SUB-PTO006-004 | Gregson Ave Crossing | Location Plans | IFC |
| SUB-PTO006-005 | 2100 S Crossing | Location Plans | IFC |
| SUB-PTO006-006 | 6100 S Crossing | Location Plans | IFC |
| SUB-PTO006-007 | 8800 S Crossing | Location Plans | IFC |
| SUB-PTO006-008 | Haven Ave Crossing | Location Plans | IFC |
| SUB-PTO006-009 | 3300 S Crossing | Location Plans | IFC |
| SUB-PTO006-010 | 7200 S Crossing | Location Plans | IFC |
| SUB-PTO006-011 | 9000 S Crossing | Location Plans | IFC |
| SUB-PTO006-012 | Vine St Crossing | Location Plans | IFC |
| SUB-PTO006-013 | 3900 S Crossing | Location Plans | IFC |
| SUB-PTO006-014 | 7500 S Crossing | Location Plans | IFC |
| SUB-PTO006-015 | Fireclay Ave Crossing | Location Plans | IFC |
| SUB-PTO006-016 | Winchester Crossing | Location Plans | IFC |
| SUB-PTO006-017 | S9700CC | Location Plans | IFC |
| SUB-PTO006-018 | S9690CC | Location Plans | IFC |
| SUB-PTO006-019 | S9668CC | Location Plans | IFC |
| SUB-PTO006-020 | S9663CC | Location Plans | IFC |
| SUB-PTO006-021 | S9662CC | Location Plans | IFC |
| SUB-PTO006-022 | S9649CC | Location Plans | IFC |
| SUB-PTO006-023 | S9641CC | Location Plans | IFC |
| SUB-PTO006-024 | S9555CC | Location Plans | IFC |
| SUB-PTO006-025 | S9545CC | Location Plans | IFC |
| SUB-PTO006-026 | S9535CC | Location Plans | IFC |
| SUB-PTO006-027 | S9533CC1 | Location Plans | IFC |
| SUB-PTO006-028 | S9520CC | Location Plans | IFC |
| SUB-PTO006-029 | S9507CC | Location Plans | IFC |
| SUB-PTO006-030 | S9501CC | Location Plans | IFC |
| SUB-PTO006-031 | S9491CC | Location Plans | IFC |
| SUB-PTO006-032 | S9485CC | Location Plans | IFC |
| SUB-PTO006-033 | S9469CC | Location Plans | IFC |
| SUB-PTO006-034 | S9458CC | Location Plans | IFC |
| SUB-PTO006-035 | S9454CC | Location Plans | IFC |
| SUB-PTO006-036 | S9455CC | Location Plans | IFC |
| SUB-PTO006-037 | S9428CC | Location Plans | IFC |
| SUB-PTO006-038 | S9379CC | Location Plans | IFC |



ROCKY MOUNTAIN SYSTEMS SERVICES

| SUBMITTAL ID | DELIVERABLE DESCRIPTION | Type | REVISION LEVEL |
|---------------------|--------------------------------|----------------|-----------------------|
| SUB-PTO006-039 | S9367CC | Location Plans | IFC |
| SUB-PTO006-040 | S9366CC | Location Plans | IFC |
| SUB-PTO006-041 | S9357CC | Location Plans | IFC |
| SUB-PTO006-042 | S9343CC | Location Plans | IFC |
| SUB-PTO006-043 | 1300 S Crossing | Location Plans | AIS |
| SUB-PTO006-044 | 4500 S Crossing | Location Plans | AIS |
| SUB-PTO006-045 | 7720 S Crossing | Location Plans | AIS |
| SUB-PTO006-046 | Gregson Ave Crossing | Location Plans | AIS |
| SUB-PTO006-047 | 2100 S Crossing | Location Plans | AIS |
| SUB-PTO006-048 | 6100 S Crossing | Location Plans | AIS |
| SUB-PTO006-049 | 8800 S Crossing | Location Plans | AIS |
| SUB-PTO006-050 | Haven Ave Crossing | Location Plans | AIS |
| SUB-PTO006-051 | 3300 S Crossing | Location Plans | AIS |
| SUB-PTO006-052 | 7200 S Crossing | Location Plans | AIS |
| SUB-PTO006-053 | 9000 S Crossing | Location Plans | AIS |
| SUB-PTO006-054 | Vine St Crossing | Location Plans | AIS |
| SUB-PTO006-055 | 3900 S Crossing | Location Plans | AIS |
| SUB-PTO006-056 | 7500 S Crossing | Location Plans | AIS |
| SUB-PTO006-057 | Fireclay Ave Crossing | Location Plans | AIS |
| SUB-PTO006-058 | Winchester Crossing | Location Plans | AIS |
| SUB-PTO006-059 | S9700CC | Location Plans | AIS |
| SUB-PTO006-060 | S9690CC | Location Plans | AIS |
| SUB-PTO006-061 | S9668CC | Location Plans | AIS |
| SUB-PTO006-062 | S9663CC | Location Plans | AIS |
| SUB-PTO006-063 | S9662CC | Location Plans | AIS |
| SUB-PTO006-064 | S9649CC | Location Plans | AIS |
| SUB-PTO006-065 | S9641CC | Location Plans | AIS |
| SUB-PTO006-066 | S9555CC | Location Plans | AIS |
| SUB-PTO006-067 | S9545CC | Location Plans | AIS |
| SUB-PTO006-068 | S9535CC | Location Plans | AIS |
| SUB-PTO006-069 | S9533CC1 | Location Plans | AIS |
| SUB-PTO006-070 | S9520CC | Location Plans | AIS |
| SUB-PTO006-071 | S9507CC | Location Plans | AIS |
| SUB-PTO006-072 | S9501CC | Location Plans | AIS |
| SUB-PTO006-073 | S9491CC | Location Plans | AIS |
| SUB-PTO006-074 | S9485CC | Location Plans | AIS |
| SUB-PTO006-075 | S9469CC | Location Plans | AIS |
| SUB-PTO006-076 | S9458CC | Location Plans | AIS |
| SUB-PTO006-077 | S9454CC | Location Plans | AIS |



| SUBMITTAL ID | DELIVERABLE DESCRIPTION | Type | REVISION LEVEL |
|----------------|-------------------------|------------------------------|----------------|
| SUB-PTO006-078 | S9455CC | Location Plans | AIS |
| SUB-PTO006-079 | S9428CC | Location Plans | AIS |
| SUB-PTO006-080 | S9379CC | Location Plans | AIS |
| SUB-PTO006-081 | S9367CC | Location Plans | AIS |
| SUB-PTO006-082 | S9366CC | Location Plans | AIS |
| SUB-PTO006-083 | S9357CC | Location Plans | AIS |
| SUB-PTO006-084 | S9343CC | Location Plans | AIS |
| SUB-PTO006-085 | 1300 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-086 | 4500 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-087 | 7720 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-088 | Gregson Ave Crossing | Wayside Application Software | IFC |
| SUB-PTO006-089 | 2100 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-090 | 6100 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-091 | 8800 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-092 | Haven Ave Crossing | Wayside Application Software | IFC |
| SUB-PTO006-093 | 3300 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-094 | 7200 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-095 | 9000 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-096 | Vine St Crossing | Wayside Application Software | IFC |
| SUB-PTO006-097 | 3900 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-098 | 7500 S Crossing | Wayside Application Software | IFC |
| SUB-PTO006-099 | Fireclay Ave Crossing | Wayside Application Software | IFC |
| SUB-PTO006-100 | Winchester Crossing | Wayside Application Software | IFC |
| SUB-PTO006-101 | 1300 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-102 | 4500 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-103 | 7720 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-104 | Gregson Ave Crossing | Wayside Application Software | AIS |
| SUB-PTO006-105 | 2100 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-106 | 6100 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-107 | 8800 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-108 | Haven Ave Crossing | Wayside Application Software | AIS |
| SUB-PTO006-109 | 3300 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-110 | 7200 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-111 | 9000 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-112 | Vine St Crossing | Wayside Application Software | AIS |
| SUB-PTO006-113 | 3900 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-114 | 7500 S Crossing | Wayside Application Software | AIS |
| SUB-PTO006-115 | Fireclay Ave Crossing | Wayside Application Software | AIS |
| SUB-PTO006-116 | Winchester Crossing | Wayside Application Software | AIS |



| SUBMITTAL ID | DELIVERABLE DESCRIPTION | Type | REVISION LEVEL |
|----------------|--|------------------|----------------|
| SUB-PTO006-117 | Northbound Control Lines - TRAX N/S Mainline | Systems Drawings | IFC |
| SUB-PTO006-118 | Southbound Control Lines - TRAX N/S Mainline | Systems Drawings | IFC |
| SUB-PTO006-119 | Northbound Control Lines - TRAX N/S Mainline | Systems Drawings | AIS |
| SUB-PTO006-120 | Southbound Control Lines - TRAX N/S Mainline | Systems Drawings | AIS |
| SUB-PTO006-121 | Test Forms | SAT Forms | AIS |
| SUB-PTO006-122 | Test Plan | Test Plan | IFC |
| SUB-PTO006-123 | Task Order Closeout Package | Closeout | AIS |

Execution Timeline

1. A duration-based schedule that does not consider the execution or priority of other design task orders is included with this proposal for reference. However, at this time it is unknown to RMSS which task orders will be fully executed at the time of issuance of this task order, so a final schedule is not provided.
2. Upon execution of a task order for this scope of work RMSS will work with UTA to develop a mutually agreed upon schedule for the execution of this work based on the priority of other task orders and available resources at the time of task order issuance.

Clarifications

1. RMSS & MOW will provide support help as needed.

Assumptions

1. RMSS to provide IFC and AIS signal drawings, IFC and AIS N/S Control Line/Signal location plan for all effected locations.
2. RMSS to return all removed signal equipment to UTA.
3. RMSS to coordinate track access permits as needed.
4. RMSS will not affect any revenue service during the installation/removal of any material and Software.
5. Testing will be performed using Key Personnel, the cost of which is covered under another task order.

This proposal is valid for 60 days, unless extended in writing by RMSS.

If you need any additional information, please don't hesitate to contact us.

Sincerely,

Josh LaFleur
 Project Manager
 Rocky Mountain Systems Services



cc:

Marshall Wilson – RMSS
Anthony Ortolani – RMSS
Doug Jones – RMSS

Our pricing is in U.S. Dollars, F.O.B. Salt Lake City UT, and excludes all allowances, taxes, tariffs, licenses, and permits.

UTA - On Call

RMSS-52720-006 - Station Exempt Signal Removal

Task Order Estimate Summary



11/11/2024

| | | |
|---------------------------------------|----|-------------------|
| Materials | \$ | 2,575.00 |
| Administrative | \$ | 68,602.00 |
| Design/Engineering | \$ | 86,760.00 |
| Construction/Testing | \$ | 112,306.00 |
| Other Costs and Fee | \$ | 38,590.00 |
| Total: | \$ | <u>308,833.00</u> |
| Total with Updated XLOKR logic option | \$ | 343,272.00 |

