

Task Order Request #TO 25-009 - 1300 S Ped Xing & Queue Cutter

Status	Open	Assignees	Dean Hansen
Created Date	Apr 18, 2025	Issued Date	Apr 18, 2025

TASK ORDER IDENTIFICATION

Contract No	24-03814		
Contractor Name ("Contractor")	ROCKY MOUNTAIN SYSTEMS SERVICES	Contract Start Date	06/14/24
Account Code(s)	40-7403.65000.5008 TO 25-009 1300S Ped Xing & Queue Cutter: Hardware (\$19,483.30) 40-7403.68000.8002 TO 25-009 1300S Ped Xing & Queue Cutter: Engineering (\$113,613.00) 40-7403.65000.5001 TO 25-009 1300S Ped Xing & Queue Cutter: Train Control and Signals (\$84,505.00) 40-7403.68000.8003 TO 25-009 1300S Ped Xing & Queue Cutter: PM (\$60,007.18)		

1.0 SCOPE OF SERVICES

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

[25-009_1300S Ped Xing & Queue Cutter_Proposal 52720-013 Rev1.pdf](#)

2.0 SCHEDULE

The Substantial Completion Date for this Task is	01/02/26	The Final Acceptance Date for this Task is	03/02/26
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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	\$277,608.48
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	25-009_1300S Ped Xing & Queue Cutter_ICE.pdf

4.0 APPLICABILITY OF FEDERAL CLAUSES

Does this Task Order include federal assistance funds which requires the application of the	No	If federal assistance funds are anticipated, the UTA Civil Rights group has set a Disadvantaged	N/A
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Task Order Request #TO 25-009 - 1300 S Ped Xing & Queue Cutter

Project: SGR403 Train Control Rehab & Replacmn

Federal Clauses
appended as
Exhibit D to the
Contract?

Business
Enterprises (DBE)
participation goal
for this Task Order
of

UTAH TRANSIT AUTHORITY:

Required Signatures Explanation

Project Manager \$0 - 24,999
Legal Review \$10k 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: 70E38A415BA44F61 Mike Bell
 Date: 4/22/2025

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: 25AB79CEE8F4497... Dean Hansen
 Date: 4/21/2025

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 Scarbrough
 Name: 91ABD751A0BD4BE... Jared Scarbrough
 Date: 4/22/2025

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

RMSS Required Signature Explanation

- Up to \$100K – Josh Lafleur (jlafleur@modrailsystems.com)
- \$100K - \$500K – Anthony Ortolani (aortolani@modrailsystems.com)

Task Order Request #TO 25-009 - 1300 S Ped Xing & Queue Cutter

Project: SGR403 Train Control Rehab & Replacmn

- \$500K – \$2.5M - Shon Tulik (stulik@modrailsystems.com)
- >\$2.5M or Contract Time Extensions – Paul Reiger (priege@modrailsystems.com)

**Signature
(Contractor)**

DocuSigned by:
By: Anthony Ortolani
1587B142E149430...
Name: Anthony Ortolani
Date: 4/22/2025



April 11th, 2025

RMSS-52720-013 Rev1

Mr. Phil Brindle
Systems Engineering
2264 South 900 West
Salt Lake City, UT 84119

Reference: Utah Transit Authority – Systems On-Call Services

Subject: 1300S Pedestrian Crossing & Queue Cutter

Phil,

Rocky Mountain Systems Services (RMSS) is pleased to provide a proposal for the design, installation, and testing of a pedestrian crossing and support for the UDOT implementation of a queue cutter for the TRAX alignment where it crosses 1300 South in Salt Lake City.

Our lump sum price for this proposal is **\$277,608.48**

The scope of work covered in this proposal is as follows:

Affected Locations

The following locations are affected by the scope of work in this proposal:

1300 South Grade Crossing	Paxton Interlocking
Ball Park Interlocking	S9809 Coupler Case
1700 South Grade Crossing	S9816 Coupler Case
S9728 Relay Case	

Design

Under the scope of this proposal RMSS will update the following design elements as needed for affected locations:

- Design Levels
 - All designs will be submitted at the following levels:
 - Issued for Construction (IFC)
 - As-in-service (AIS)
- System Level Design
 - Control line updates
 - Crossing approach updates
- Signal Design
 - Location plans/circuit design
 - Wayside application software
 - SATS lab testing



Site Specific Scope of Work

The following location specific items are included in this scope of work:

- 1300 South Grade Crossing
 - ** Note this location has some overlap with the task order for Station Exempt Sign Removal.
 - Add new preemption output and relay from VHLC and additional circuitry as needed
 - Land 7C#14 cable traffic interface cable provided by others
 - Update VLP executive program
 - Convert program to ACE
 - Update system to support field programmable timers
 - Add new S9797NSBT audio frequency overlay track circuit
 - Remove XLOK circuitry and logic
 - Remove HON System and related circuitry
 - Revise gate down pushbutton logic to run preemption time prior to dropping gates
 - Consider all multiple train scenarios.
 - Northbound approaches consider future speed decrease to 25 MPH at 1300S, prior to entering crossing.
 - Program delay timers to add sufficient delay to accommodate this speed decrease, without requiring a program change.
- Ballpark Interlocking
 - Logic updates required to pass track circuit status between 1700S to 1300S over existing vital link
- 1700S
 - Logic and plan updates required to:
 - pass track circuit status to 1300S , via Ballpark Interlocking over existing vital links
 - remove logic and circuitry for the out-of-service S9728 switch which has been removed from the field
- S9728RC
 - Remove S9728 switch circuits
- Paxton Interlocking
 - Logic and plan updates required to provide signal delay when approach track is occupied to ensure sufficient warning time for moves out of Paxton siding
 - The new PSO for 1300S will need to be added to Paxton Interlocking because there is not enough available room in the 1300S signal house. This will require the following:
 - Install a 2C#6 track wire from Paxton Interlocking signal house to the mainline rail. This will require conduit and cable to be installed under two tracks to get to the mainline for the S9797 NSBT track circuit
 - Install a 3-1TWPR #14 cable from the Paxton Interlocking signal house to the S9809 coupler case.
 - Install a new 2C#6 track wire connection from the S9816 coupler case to the mainline track for the S9797 NSBT track circuit.
- Paxton Avenue
 - Review location to ensure no changes are required

- S9809 Coupler Case
 - Upgrade the 9809CC to a new and larger coupler case to replace the existing CC that does not have enough room for new couplers.
 - Add new terminals, track circuit connects, and couplers required for track S9797NSBT
 - Use existing spare conductors between S9809 and 1300S for new track circuit connection
 - Replacement of this coupler case may require an extended working window longer than the normal non-revenue window. This proposal assumes that UTA will be able to coordinate and support an adequate period of access to complete the work.
- S9816 Coupler Case
 - Upgrade the S9816CC to a new and larger coupler case to replace the existing CC that is damaged.
 - Use PDF provided by UTA to redraw location in CAD
 - Add new terminals, track circuit connects, and couplers required for track S9797NSBT
 - Use existing spare conductors between S9816 and 1300S for new track circuit connection
 - Remove existing HON systems circuitry
 - Replacement of this coupler case may require an extended working window longer than the normal non-revenue window. This proposal assumes that UTA will be able to coordinate and support an adequate period of access to complete the work.

Procurement

The following items will be procured under this scope of work:

Item Description	Unit	Base Quantity	Spare Quantity	Total Quantity
1300S Materials				
Pre-emption Output Relay	EA	1	0	1
VHLC EPROM	EA	1	0	1
PSO Transceiver	EA	1	1	2
House Materials (wire, terminals, etc.)	LS	1	0	1
S9809 Coupler Case				
PSO Coupler for TC S9797NSBT	EA	1	1	2
Track connection kit	EA	1	1	2
House Materials (wire, terminals, etc.)	LS	1	0	1
New Coupler Case	EA	1	0	1
S9816 Coupler Case				
PSO Coupler for TC S9797NSBT	EA	1	1	2
Track connection kit	EA	1	1	2
House Materials (wire, terminals, etc.)	LS	1	0	1
New Coupler Case	EA	1	0	1

Deliverables

The following deliverables are included in the scope of this proposal:

CDRL #	Deliverable Description	Level
CDRL-PTO039-001	1300S Circuit Plans	IFC
CDRL-PTO039-002	1300S Wayside Application Software	IFC
CDRL-PTO039-003	Ballpark Interlocking Circuit Plans	IFC
CDRL-PTO039-004	Ballpark Interlocking Wayside Application Software	IFC



CDRL-PTO039-005	1700S Grade Crossing Circuit Plans	IFC
CDRL-PTO039-006	1700S Grade Crossing Wayside Application Software	IFC
CDRL-PTO039-007	S9728RC Circuit Plans	IFC
CDRL-PTO039-008	Paxton Interlocking Circuit Plans	IFC
CDRL-PTO039-009	Paxton Interlocking Wayside Application Software	IFC
CDRL-PTO039-010	S9809 Coupler Case Circuit Plans	IFC
CDRL-PTO039-011	S9816 Coupler Case Circuit Plans	IFC
CDRL-PTO039-012	NS Mainline Control Lines	IFC
CDRL-PTO039-013	Crossing Approach Plans	IFC
CDRL-PTO039-014	Testing & Commissioning Plan	IFC
CDRL-PTO039-015	1300S Circuit Plans	AIS
CDRL-PTO039-016	1300S Wayside Application Software	AIS
CDRL-PTO039-017	Ballpark Interlocking Circuit Plans	AIS
CDRL-PTO039-018	Ballpark Interlocking Wayside Application Software	AIS
CDRL-PTO039-019	1700S Grade Crossing Circuit Plans	AIS
CDRL-PTO039-020	1700S Grade Crossing Wayside Application Software	AIS
CDRL-PTO039-021	S9728RC Circuit Plans	AIS
CDRL-PTO039-022	Paxton Interlocking Circuit Plans	AIS
CDRL-PTO039-023	Paxton Interlocking Wayside Application Software	AIS
CDRL-PTO039-024	S9809 Coupler Case Circuit Plans	AIS
CDRL-PTO039-025	S9816 Coupler Case Circuit Plans	AIS
CDRL-PTO039-026	NS Mainline Control Lines	AIS
CDRL-PTO039-027	Crossing Approach Plans	AIS
CDRL-PTO039-028	Task Order Closeout Form w/ UTA Quality Form	AIS

Execution Timeline

The attached execution timeline shows the anticipated duration for the execution of this work. Exact dates will be mutually determined between RMSS and UTA once task order prioritization can be clearly defined at the time of execution.

Assumptions

1. All new audio frequency overlay track circuits will be Siemens PSO
2. All testing will be completed using key personnel
3. This proposal does not include any material escalation. RMSS reserves the right to recover any costs incurred as a result of material price changes.

Exclusions

1. Updates to locations not specifically called out in this proposal
2. Corrections for legacy issues or inaccuracies not specifically called out in this proposal

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,

A handwritten signature in blue ink, appearing to read "Anthony Ortolani", is written over the word "Sincerely,".

Anthony Ortolani
Rocky Mountain Systems Services

cc:

Dean Hansen - UTA
Marshall Wilson – RMSS
Josh LaFleur – RMSS

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

				Weeks																																													
				NTP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43		
PROJECT MANAGEMENT																																																	
1	NTP		0																																														
2	Update CPM Schedule to Include Task Order	1	4W																																														
3	Project Closeout Report	34,44, 52,63	2W																																														
DESIGN																																																	
System Level Design - IFC																																																	
4	NS Mainline Control Lines - IFC	1	2W																																														
5	UTA Review & Comment/Approve Submittal	4	3W																																														
6	Crossing Approach Plans - IFC	4	2W																																														
7	UTA Review & Comment/Approve Submittal	6	3W																																														
Signal Design - IFC Circuit Plans																																																	
8	Produce BoM for Procurement	1	2W																																														
9	1300S Circuit Plans - IFC	8	2W																																														
10	UTA Review & Comment/Approve Submittal	9	3W																																														
11	Ballpark Interlocking Circuit Plans - IFC	9	2W																																														
12	UTA Review & Comment/Approve Submittal	11	3W																																														
13	1700S Grade Crossing Circuit Plans - IFC	11	2W																																														
14	UTA Review & Comment/Approve Submittal	13	3W																																														
15	S9728RC Circuit Plans - IFC	13	2W																																														
16	UTA Review & Comment/Approve Submittal	15	3W																																														
17	Paxton Interlocking Circuit Plans - IFC	15	2W																																														
18	UTA Review & Comment/Approve Submittal	17	3W																																														
19	S9809 Coupler Case Circuit Plans - IFC	17	2W																																														
20	UTA Review & Comment/Approve Submittal	19	3W																																														
21	S9816 Coupler Case Circuit Plans - IFC	19	2W																																														
22	UTA Review & Comment/Approve Submittal	21	3W																																														
Signal Design - IFC Wayside Application Software																																																	
23	1300S Wayside Application Software - IFC	1	2W																																														
24	UTA Review & Comment/Approve Submittal	23	3W																																														
25	Ballpark Interlocking Wayside Application Software - IFC	23	2W																																														
26	UTA Review & Comment/Approve Submittal	25	3W																																														
27	1700S Grade Crossing Wayside Application Software - IFC	25	2W																																														
28	UTA Review & Comment/Approve Submittal	27	3W																																														
29	Paxton Interlocking Wayside Application Software - IFC	27	2W																																														
30	UTA Review & Comment/Approve Submittal	29	3W																																														
System Level Design - AIS																																																	
31	NS Mainline Control Lines - AIS	63	1W																																														

[illegible]

NOTES:

- 1) Durations are approximate and include CAD, Verification, and Lab Testing
- 2) Design may be produced in batches to support lab testing activities
- 3) Procurement times are estimates based on past procurements and are subject to change
- 4) Design may not begin immediately upon NTP depending on ongoing design work and UTA priorities at the time of execution.