

TASK ORDER NO. 028**TASK ORDER NAME: 5300-5400 S. Powered Interlockings – Materials****PROJECT CODE: SGR-404; 40-7404.68912**

This is Task Order No. 028 to the On Call Maintenance Contract entered into by and between Utah Transit Authority (UTA) and Rocky Mountain Systems Services, (Contractor) as of February 24th, 2021.

This Task Order is part of the On Call Maintenance Contract and is governed by the terms thereof.

The purpose of this Task Order is to specifically define the scope, schedule, lump sum price, and other terms applicable to the work identified herein.

UTA and Contractor hereby agree as follows:

1.0 SCOPE OF SERVICES

The scope of work for the Task Order #028 is hereby attached and incorporated into this Task Order.

2.0 SCHEDULE

The Substantial Completion Date for this Task is March 31, 2023. The Final Acceptance Date for this Task is March 31, 2023.

3.0 LUMP SUM PRICE

The price for this task order is a not to exceed \$1,414,126. Invoices will be billed on monthly basis for work completed to date.

4.0 APPLICABILITY OF FEDERAL CLAUSES

This Task Order does ☒ does not ☐ [Check Applicable] include federal assistance funds which requires the application of the Federal Clauses appended as Exhibit D to the On Call Maintenance Contract.

IN WITNESS WHEREOF, this Task Order has been executed by UTA and the Contractor or its appointed representative

UTAH TRANSIT AUTHORITY:

ROCKY MOUNTAIN SYSTEMS SERVICES:

By: _____
Jay Fox, Executive Director Date
> \$200,000

DocuSigned by:
By: Dan Meservey
EEBD0B44A1004CA...

By: _____
Mary DeLoretto, Chief Service Development Ofc. Date
< 200,000

Date: 5/2/2022

By: _____
Jared Scarbrough, Acting Director of Capital Constr. Date
< \$75,000

By: _____
Jared Scarbrough, Project Manager Date
< \$25,000

DocuSigned by:
Mike Bell 5/3/2022
Legal Review 76E33A415BA44F6... Date

Procurement Review Date

On-Call Maintenance Contract # 20-03382VW



April 28th, 2022

RMSS-52598-043

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

Reference: Utah Transit Authority – Systems On-Call Services

Subject: 5300S - 5400S Powered Crossovers- LL Material

Jared,

Rocky Mountain Systems Services (RMSS) is pleased to provide a proposal for the procurement of long lead material required to power up the 5300 South and 5400 South crossovers. Powering up both crossovers will result in two new interlockings between Murray Station and Lovendahl Junction.

Our lump sum price for this proposal is **\$1,414,126.00**

RMSS will procure all material shown on the attached document *"5300S_5400S Master Material List 2022_04_27"*.

Clarifications

1. Certain vendors are unable to provide estimates longer than 30-days. RMSS understands that if this proposal is accepted it may be 45-60 days before a notice to proceed (NTP) or change order for this scope of work is issued. To account for the risk associated with potential variations in price and re-pricing exercises, RMSS has included an additional 20% material escalation for those vendors. RMSS reserves the right to reprice any material and/or shipping costs if NTP or a change order for this scope of work exceeds 60 days from the date of this proposal.
2. Lead-times shown on the attached document *"5300S_5400S Master Material List 2022_04_27"* are from the date of issuance of a purchase order or executed material purchase agreement between RMSS and the vendor. These dates may vary based on the submission, review, and approval of associated product submittals, and the date of issuance of a NTP or change order for this scope of work.
3. This proposal is only for the procurement and handling of long lead materials. All construction and design activities are to be handled under separate proposals and their associated scopes of work.
4. This proposal is only for the procurement and handling of long lead materials for "Phase 1" of system upgrades as shown in the attached documents: *"5300.5400 Phase 1 Normal Control Lines FINAL_2022_02_09.pdf"* and *"5300.5400 Phase 1 Reverse Control Lines FINAL_2022_02_09.pdf"*. Material required for other phases are to be provided under separate task orders.



Assumptions

1. RMSS assumes the following vendors and equipment models are to be used for system upgrades:
 - a. Switch Machines – Hitachi/Ansaldo M23-A Powered Switch Machine
 - b. Vital Signal Controllers – Alstom ElectroLogIXS
 - c. Network Switches – Siemens RuggedComm RS400
 - d. On-Station Track Circuits – Siemens PSO4000

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

Sincerely,

Anthony Ortolani
Project Manager
Rocky Mountain Systems Services

cc:

Marshall Wilson – RMSS
Dan Meservey – RMSS
Doug Jones – RMSS

Procurement lead times may be affected by Covid-19 pandemic

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

Attachments:

- *5300S_5400S Master Material List 2022_04_27*
- *5300.5400 Phase 1 Normal Control Lines FINAL_2022_02_09.pdf*
- *5300.5400 Phase 1 Reverse Control Lines FINAL_2022_02_09.pdf*

UTA - On Call

RMSS-52598-043 5300S_5400S Powered X-Overs LL Mate

Task Order Estimate Summary



4/28/2022

Subcontractors	\$	-
Materials	\$	1,111,190.53
Administrative	\$	14,973.00
Design/Engineering	\$	6,180.00
Construction/Testing	\$	75,963.00
Travel & Perdiem	\$	-
Other Costs and Fee	\$	205,819.00
Total:	\$	1,414,125.53

5300S_5400S Master Material List

4/27/2022

No.	Materials	Vendor	Part #	Unit of Measure	Total Quantity	LEAD TIME (DAYS)	NOTES
1	Signal Mast Assembly w/ junction box	MMI		EA	8	120	
2	90 Degree Mounting arm for signal head w/ mounting adapter	MMI		EA	4	120	
3	Three (3) Aspect Signal Head w/ snow hood and long range LED's	MMI		EA	11	120	
4	Two (2) Aspect Signal Head w/ snow hood and long range LED's	MMI		EA	1	120	
5	Two (2) Aspect Blue Bar SPI Assembly w/ long range LED's	MMI		EA	2	120	
6	Signal House - 8' x 12' Shell Only w/ Hotel Amenities	MMI		EA	2	120	
7	Signal Case - 30" w/ Hotel Amenities	MMI		EA	1	120	
8	Foundation - Signal House Corner Pier	Dixie Precast	DPH99 - 3' 6"	EA	8	21	
9	Foundation - Signals	Dixie Precast	DPS - 2A - 5' 7"	EA	13	21	
10	Foundation - Signal Case	Dixie Precast	DPP3-3'	EA	4	21	
11	Impedance Bonds	Power Engineering		EA	16	0	Item is in stock
12	Switch Machine - M23A, RH, 189, HV, HTR	Hitachi	N4511601204	EA	3	213	
13	Switch Machine - M23A, LH, 189, HV, HTR	Hitachi	N4511601205	EA	3	213	
14	Switch Machine Layout Assembly - M23, Left Hand	G&B		EA	3	140	Lead time includes design and review
15	Switch Machine Layout Assembly - M23, Right Hand	G&B		EA	3	140	Lead time includes design and review
16	Switch Machine Layout - Internal Lock Rod Assembly	G&B	N258643	EA	6	140	Lead time includes design and review
17	Switch Machine Layout - Internal Point Detector Bar Assembly	G&B	N28447	EA	6	140	Lead time includes design and review
18	Electric Fired Forced Air Switch Heater (EHAB) w/ Ductwork	RECO	Multiple	EA	4	120	
19	Gas Fired Forced Air Switch Heater (GHAB) w/ Ductwork	RECO	Multiple	EA	2	120	
20	Switch Heater Radio & Control Panels	RECO	Multiple	LS	1	120	
21	ARD60 Rail Bonding Kit	Cembre	2834015	EA	144	21	
22	CCQ 3/4-7/8 Carbide tipped cutter	Cembre	8500162	EA	12	21	
23	2A60-M12 Copper Terminal	Cembre	2508480	EA	100	21	
24	CRT6-12 Copper Terminal	Cembre	2536010	EA	20	21	
25	Signal Cable - 7C#6 Solid	Generation Cable	10222	FT	6906	120	
26	Signal Cable - 12C#14 Solid	Generation Cable	10211	FT	2863	120	
27	Signal Cable - 2C#6 Solid	Generation Cable	10219	FT	3650	120	
28	Signal Cable - 3C 2/0 - 19 Strand	Generation Cable	1708	FT	1708	120	
29	Signal Cable - 500kCMIL DLO, 2KV	Generation Cable	10684	FT	1152	120	
30	Conduit - 2" SCH40 PVC	Border States		FT	3090		
31	Conduit - 3" SCH40 PVC	Border States		FT	6250		
32	Conduit - 4" SCH40 PVC	Border States		FT	1830		
33	Electrified Electrocode Alstom 800-088031-001	Alstom	800-088031-001	EA	8	TBD	Lead-times TBD at time of order
34	ELX 4 Slot Chassis	Alstom	251464-000	EA	1	TBD	Lead-times TBD at time of order
35	ELX 9 Slot Chassis	Alstom	300752-000	EA	2	TBD	Lead-times TBD at time of order
36	ELX I/O Module VIO-865	Alstom	251380-000	EA	7	TBD	Lead-times TBD at time of order
37	ELX I/O Module VLD-R165	Alstom	251381-000	EA	3	TBD	Lead-times TBD at time of order
38	ELX I/O Module VTI-25	Alstom	S251123-000	EA	6	TBD	Lead-times TBD at time of order
39	ELX Module CDU-2	Alstom	251124-100	EA	3	TBD	Lead-times TBD at time of order
40	ELX Module GFD-1	Alstom	251333-000	EA	3	TBD	Lead-times TBD at time of order
41	ELX Module UCI-3	Alstom	251495-000	EA	3	TBD	Lead-times TBD at time of order
42	ELX Module VPM-3	Alstom	251432-200	EA	3	TBD	Lead-times TBD at time of order
43	ELX System Module CPS-3	Alstom	251456-000	EA	3	TBD	Lead-times TBD at time of order
44	ELX Personality Module VIO-865	Alstom	227537-000	EA	7	TBD	Lead-times TBD at time of order
45	ELX Personality Module VLD-R165	Alstom	227539-000	EA	3	TBD	Lead-times TBD at time of order
46	ELX Personality Module VTI-25	Alstom	227442-000	EA	6	TBD	Lead-times TBD at time of order
47	ELX System Module CIO-2A	Alstom	251330-000	EA	6	TBD	Lead-times TBD at time of order
48	ELX System Module CIO-CLA	Alstom	251329-100	EA	2	TBD	Lead-times TBD at time of order
49	BSA-6	Alstom	250597-100	EA	2	TBD	Lead-times TBD at time of order
50	Assy Switch Control Rectifier 120VDC B2 Mount	Alstom	250756-000	EA	2	TBD	Lead-times TBD at time of order
51	Switch Controller Dual 110V DC	Alstom	300601-1320	EA	3	TBD	Lead-times TBD at time of order
52	Relay Plugboard	Alstom	59686-005-04	EA	18	TBD	Lead-times TBD at time of order
53	Relay Vital B 500 ohm Neutral 6FB HD A62-0580	Alstom	56001-951-01	EA	4	TBD	Lead-times TBD at time of order
54	Relay B1 500Ohm 4FB-2F-1B A62-0310	Alstom	56001-822-02	EA	6	TBD	Lead-times TBD at time of order
55	Relay Vital 500 ohm 6FB A62-0125	Alstom	56001-922-07	EA	8	TBD	Lead-times TBD at time of order
56	EPIC-3 15KHZ	Alstom	800-004020-150	EA	1	TBD	Lead-times TBD at time of order
57	ASSY AFTAC II ISL XMTR 2.3/24	Alstom	226354-0558	EA	0	TBD	Lead-times TBD at time of order
58	ASSY AFTAC II ISL XMTR 3.5/17	Alstom	226354-0628	EA	0	TBD	Lead-times TBD at time of order
59	RS-232 module	Alstom	226650-000	EA	5	TBD	Lead-times TBD at time of order
60	Terminal Block 4 Post	Alstom	203032-000	EA	192	TBD	Lead-times TBD at time of order
61	Air Gap Arrester AGA-1	Alstom	202216-001	EA	136	TBD	Lead-times TBD at time of order
62	Air Gap Equalizer AGE-1	Alstom	202217-000	EA	20	TBD	Lead-times TBD at time of order
63	Custome Local Control Panel	Progress Rail		EA	2		
64	Test Link	Siemens	024620-15	EA	192		
65	PSO 4000 Transceiver 7A475	Siemens	70007A4750001	EA	4		
66	Tuned Receiver Coupler 7A355-4000 4000 HZ	Siemens	70007A3554000	EA	2		
67	Tuned Receiver Coupler 7A355-2630 2630 HZ	Siemens	70007A3552630	EA	2		
68	Ethernet Switch, 4 - Port RS232, 19in Rack Mount	Countertrade	RS400-24-R-T2T2-2	EA	3		
69	Relay Non Vital 12VDC	Potter & Brumfield	KRPA-11DN-12	EA	2		
70	Relay Non Vital 24VDC	Potter & Brumfield	KRPA-11DN-24	EA	2		
71	Relay Non Vital 120VAC	Potter & Brumfield	KRPA-11AN-120	EA	4		
72	Socket for Non-Vital Relay, 8-Pin Octal Screw DIN Mount	Potter & Brumfield	27E891	EA	8		
73	HOLD DOWN SPRING, F/TYPE POTTER & BRUMFIELD KRP& KRPA RELAYS	Potter & Brumfield	20C176	EA	8		
74	WAGO Terminal 2-Conductor 24-10 AWG Grey	WAGO	282-901	EA	100		
75	WAGO Jumper Adjacent 282 Terminals	WAGO	282-402	EA	60		
76	Battery Charger 20A 12/20 HF-MAX	National Railway Supply	HF Max 12/20-D	EA	1		
77	Battery Charger 40A 12/40 HF-MAX	National Railway Supply	HF Max 12/40-D	EA	6		
78	Battery PowerSafe 400AH DDR 50-17	Energys	DDR 50-17	EA	42		
79	Signal House Wire (internal)	Various		FT	6000		Various sizes and types included
80	Signal House Wire Labels (internal)	Various		LS	2		Assuming approx. 750 tags per house
81	Misc House Material	Various		LS	2		Ferrules, eyelettes, etc.
82					0		
83					0		