

TASK ORDER NO. 035

TASK ORDER NAME: Fiberoptic Infrastructure – HDPE Micro-Duct

PROJECT CODE: SGR-410; 40-7410.68912

This is Task Order No. 035 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 #035 is hereby attached and incorporated into this Task Order.

2.0 SCHEDULE

The Substantial Completion Date for this Task is June 30, 2023. The Final Acceptance Date for this Task is June 30, 2023.

3.0 LUMP SUM PRICE

The price for this task order is a not to exceed \$582,132. 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: Anthony Ortolani
1587B142E149430...

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

Date: 10/12/2022

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

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

DocuSigned by:
Tim Merrill 10/12/2022
Legal Review Date

Procurement Review Date



October 6th, 2022

RMSS-52598-057

Mr. Jared Scarbrough
Director of Capital Construction & Engineering
2264 South 900 West
Salt Lake City, UT 84119

Reference: Utah Transit Authority – Systems On-Call Services

Subject: TRAX Fiber Replacement Micro-duct and Networking Equipment Material

Jared,

Rocky Mountain Systems Services (RMSS) is pleased to provide a proposal for the procurement of long lead materials needed for upgrades to the TRAX fiber optic backbone and network.

Our lump sum price for this proposal is **\$582,132.00**

Under the scope of this proposal RMSS will procure micro-duct required for the installation of fiber optic backbone replacement cabling along the TRAX Red and Blue lines.

The HDPE micro-duct is needed for two main purposes:

1. To provide a viable pathway for the installation of fiber optic cabling
2. Where possible, to provide a remaining spare conduit path for future use after the installation of fiber optic cabling is complete

RMSS has performed an analysis of the current underground ductbank system with the intention of determining necessary quantities and configurations of micro-duct for installation. Care was taken to ensure that any viable pathways that exist are used if they exist for blowing in of the micro-144 strand fiber procured under a separate task order.

On the University Line and on the North/South Mainline in the downtown area it was determined that single HDPE micro-ducts can be installed in various circumstances such as inserting inside of existing “smurf-tube” and also inside of existing conduits adjacent to other communications cabling as needed.

On the North/South Mainline south of the downtown area there is an existing 4” conduit that will allow for the installation of a “hybrid” micro-duct that contains two 18mm ducts and a single 1.25” conduit. This hybrid configuration will allow for the installation of both the rail signal replacement fiber and the IT replacement fiber while leaving a spare 1.25” pathway for future use.

The future path 18mm micro-duct system is designed specifically for blowing in fiber and establishing this pathway will reduce installation hours resulting in a net savings for UTA on the construction scope of work.

RMSS will procure the following quantities and configuration of FuturePath micro-duct:

Description	Quantity	Unit
Single Orange 18mm HDPE Duct (Signal Fiber Duct)	35,000	Feet
Single Blue 18mm HDPE Duct (IT Fiber Duct)	35,000	Feet
Hybrid 2 x 1 18mm ducts (Blue/Orang) and 1 x 1.25” Spare Duct (Orange)	80,000	Feet



Additionally, the following equipment and quantities required for the TRAX Fiber Optic Upgrade project have been identified as having lead-times that have the potential to impact the desired construction timeline and have been included in this proposal for procurement:

Description	Quantity	UoM
High Density 2U Rack Mounted Fiber Distribution Panel	157	EA
FHD SC X 6 Fiber Termination Plate	517	EA
FHD Splice Tray for Rack Mounted Fiber Enclosure	638	EA
RuggedComm RX1501 Utility Grade Layer 3 Managed Ethernet Switches	20	EA
10KM - SFP Optical Modules	16	EA
25KM – SFP Optical Modules	38	EA
40KM – SFP Optical Modules	27	EA

** 10% Quantity has been added for construction spares. All remaining spares will be transferred to UTA upon completion of the task order.

Clarifications

1. This proposal is for procurement of long lead material items only and does not include the installation of the material described above. All installation scope is included in the TRAX Fiber Replacement – Construction Proposal under a separate cover.

This proposal is valid for 30 days, unless extended in writing by RMSS.

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

Sincerely,

Anthony Ortolani
 Area Manager
 Rocky Mountain Systems Services

cc:

Marshall Wilson – RMSS
 Troy Nelson – RMSS

Attachments:

1. Product data for FuturePath Single and Hybrid micro-duct configurations

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

UTA - On Call

RMSS-52598-057 TRAX Microduct and Networking Material

Task Order Estimate Summary



10/6/2022

Subcontractors	\$	-
Materials	\$	503,197.01
Administrative	\$	4,057.00
Design/Engineering	\$	-
Construction/Testing	\$	-
Travel & Perdiem	\$	-
Other Costs and Fee	\$	74,878.00
Total:	\$	<u>582,132.01</u>