

Statement of Work

SESAMI SST FIBER PULL

20 August 2024

11th Space Warning Squadron, Buckley SFB

1. Overview & Background

1.1. To provide primary connectivity in the Mission Control Station (MCS), Bldg. 442, for five Standard Space Trainer (SST) workstations to the central SST server located in the SBIRS Operations Support Facility (SOF), Bldg. 447, Space Delta 4 requires additional fiber cabling installed in both facilities to establish a direct connection path for the SST workstations in Bldg. 442 to the SST server in Bldg. 447. Additionally, this fiber is needed to support ancillary operational support mission equipment (e.g. Enterprise Collaboration Services or ECS) planned for installation into Bldg. 447. Currently, fiber connectivity for SST workstations used in Bldg. 442 runs from Bldg. 442, through Bldg. 430, and finally back to the SST server located in Bldg. 447.

2. Statement of Work

2.1. Scope of work includes:

2.1.1. Pulling (1) continuous 2-strand Single Mode Fiber Optic cable from Bldg. 442, Room 300 to Bldg. 442, Room 510. Cable ends at Bldg. 442, Room 510 will be terminated with LC connections. There will be a 20' service loop in the cable(s) running from Bldg. 442, Room 300 to Bldg. 442, Room 510.

2.1.2. Pulling (1) continuous 36-strand Single Mode Fiber Optic cable from Bldg. 447, Room S123 to Bldg. 442, Room 510. Cable ends at Bldg. 447, Room S123 will be terminated with LC connections. Cable will be routed through the Protected Distribution System (PDS) spanning from Bldg. 447, Room S123, to Bldg. 442, Room 510. There will be a 20' service loop in the cable(s) running from Bldg. 442, Room 510 to Bldg. 447, Room S123.

2.1.3. Pulling (1) continuous 16-strand Single Mode Fiber Optic cable from Bldg. 447, Room S123 to Bldg. 447, Room S122. Cable ends at Bldg. 447, Room S123 will be terminated with LC connections. Cable ends at Bldg. 447, Room S122 will be terminated with LC connections. There will be a 20' service loop in the cable(s) running from Bldg. 447, Room S123 to Bldg. 447, Room S122.

2.1.4. Fiber cables will be terminated to correspond to the end-user equipment requirements and requirements listed in this SOW if not previously stated in para. 2.1. Terminations will be compliant to the corresponding connections within existing racks and cabinets, and compliant to the corresponding equipment the fiber optic cables are connecting to.

2.1.5. Primary fiber cable routing paths will be from 1) Bldg. 447, Room S122 to Bldg. 447, Room S123, 2) Bldg. 447, Room S123 to Bldg. 442, Room 510 (routing through Bldg. 447 Room 030 and Bldg. 442, Rooms 271 and 270 (if needed)), and 3) Bldg. 442, Room 510 to Bldg. 442, Room 300.

2.1.6. Secondary fiber cable routing paths will be from 1) Bldg. 447, Room S122 to Bldg. 447, Room S123, 2) Bldg. 447, Room S123 to Bldg. 442, Room 510 (routing through Bldg. 447 Room 030 and Bldg. 442, Rooms 040 and 270 (if needed)), and 3) Bldg. 442, Room 510 to Bldg. 442, Room 300. This cable routing path will be considered if the path listed in para. 2.1.5. cannot be utilized.

2.1.7. Customer will highlight the preferred cable routing during any scheduled site surveys, as needed.

2.1.8. Procure and install all materials needed for this effort (i.e. single-mode fiber cabling, Lightguide Interconnection Units (LIU), patch panels, connectors, etc.).

3. Security

3.1. Government will supply 2 escorts for escorting purposes. Contractor will be responsible for submitting a Visit Authorization Request NLT 5 business days prior to arriving on site to perform work. 2 forms of government issued identification will be required to enter the Delta-4 Restricted Area.

3.2. Government will supply Vendor with required security instructions for entry onto Buckley Space Force Base (SFB) and the Delta-4 Restricted Area, as needed.

3.3. Vendor will ensure all procured and installed materials meet requirements for transmission of DoD classified information up to the TOP SECRET classification level IAW DoD security standards.

4. General Requirements

4.1. All fiber optic cable strands will be tested for connectivity and recording line loss values prior to completion of work.

4.2. All vehicles entering the Delta-4 Restricted Area must submit to inspection if requested.

4.3. Vendor will perform underground conduit path testing to verify viable cable routing path from Bldg. 447 to Bldg. 442, as required.

4.4. Fiber cable installation will be performed IAW Overhead Persistent Infrared (OPIR) Site Integration Standard (OSIS). Government will supply selected Vendor with a copy of the OSIS, if needed.

4.5. Prior to cable installation start, SBIRS Integration Board (SIB) approval for cable installation will be obtained IAW the OSIS. The Government will assign a Government Point of Contact (GPOC) and a Responsible Engineer (RE) for this project.

5. Period of Performance

5.1. Period of performance will be for a period of 90 days after contract award.