

Subject: Bid Proposal for SST Fiber Cable Material and Installation Project (Solicitation Number: FA254324Q0054)

Submitted by: SYSTEC101

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Submitted to:

TSgt Michael Roybal SSgt Anthony Graffeo 460th Contracting Squadron at Buckley SFB, CO Buckley Space Force Base

Submission Date: 09/15/202

Point of Contact: Murat Yildirim Owner at SYSTEC101

Phone: 970-646-2706 Email:my@systec101.com

Attachments:

Detailed Project Plan Bid Proposal Capabilities Statement References Completed Standard Form 1449 Relevant Project Certifications

Signature:



Cover Letter

TSgt Michael Roybal SSgt Anthony Graffeo Buckley Space Force Base

Subject: Bid Proposal for SST Fiber Cable Material and Installation Project (Solicitation Number: FA254324Q0054)

Dear TSgt Michael Roybal and SSgt Anthony Graffeo,

We are pleased to submit our bid proposal for the SST Fiber Cable Material and Installation Project as specified in the Request for Quote (RFQ) FA254324Q0054. Enclosed you will find our comprehensive proposal that includes a detailed project plan, capabilities statement, references, and a completed Standard Form 1449. As a leading provider of structured cabling solutions, SYSTEC101 has extensive experience delivering high-quality fiber optic installations that meet strict industry standards and government regulations. Our team is confident in our ability to complete this project efficiently and to the highest standards, ensuring reliable connectivity for SST workstations from Bldg. 442 to Bldg. 447 at Buckley Space Force Base.



Detailed Project Plan SST Fiber install

Project Title: SST Fiber Cable Material and InstallationSolicitation Number: FA254324Q0054Submitted by: SYSTEC101

1. Introduction

This detailed project plan outlines the steps, processes, and procedures that SYSTEC101 will follow to successfully complete the SST Fiber Cable Material and Installation project. The plan highlights our systematic approach towards delivering a high-quality, compliant, and timely installation.

2. Project Objectives

Provide and install single-mode fiber optic cabling connecting SST workstations in Bldg. 442 to the SST server in Bldg. 447.

Ensure compliance with the Overhead Persistent Infrared (OPIR) Site Integration Standard (OSIS).

Complete the project within the stipulated 90-day period from the contract award.

Project Understanding

The project involves installing fiber optic cables to ensure primary connectivity for SST workstations and provisioning additional cabling to support operational equipment between Bldgs. 442 and 447 at Buckley Space Force Base.

^{3.} Project Scope



Phase 1: Planning and Site Survey
Phase 2: Material Procurement
Phase 3: Conduit Testing and Preparation
Phase 4: Installation of Fiber Optic Cables
Phase 5: Splicing, Termination, and Enclosures
Phase 6: Post-Installation Testing and Quality Assurance
Phase 7: Documentation and Handover

4. Project Methodology

Phase 1: Planning and Site Survey

Initial Meeting:

Conduct a kick-off meeting with all stakeholders to discuss project requirements, objectives, and timelines.

Site Assessment:

Perform a detailed site survey to evaluate existing infrastructure and identify optimal routing paths for fiber cabling.

Assess both primary and secondary routing paths for viability and compliance with OSIS standards.

Risk Assessment:

Ideal risks and develop mitigation strategies to minimize project delays and ensure security compliance.

Detailed Planning:

Create a comprehensive project plan including timelines, resource allocation, and contingency plans.



Phase 2: Material Procurement

Material List:

Prepare a detailed list of materials required for the installation, including fiber optic cables, patch panels, connectors, splicing kits, conduits, and enclosures.

Vendor Selection:

Select and coordinate with reputable vendors to procure high-quality materials that meet project specifications.

Inventory Management:

Ensure all procured materials are tested for quality and quantity before the initiation of the installation process.

Phase 3: Conduit Testing and Preparation

Conduit Viability Testing:

Test underground conduit paths for structural integrity and viability to carry fiber optic cables.

Preparation of Conduits:

Prepare conduits to ensure they are clear of obstructions and ready for cable installation.

Security Measures:

Implement security measures to protect conduits and infrastructure during the preparation phase.

Phase 4: Installation of Fiber Optic Cables

Routing Path Execution:

Execute the installation based on the identified primary and secondary routing paths.



Use professional-grade tools and techniques to ensure precise and efficient cable installation.

Cable Placement:

Place single-mode fiber optic cables within the conduits, ensuring minimal bending and stress points.

Cable Protection:

Securely fasten cabling to prevent movement and potential damage.

Phase 5: Splicing, Termination, and Enclosures

Fiber Splicing:

Employ fusion splicing techniques for seamless and low-loss fiber connections.

Enclosures and Patch Panels:

Install and secure enclosures and patch panels for organized and efficient cable management.

Phase 6: Post-Installation Testing and Quality Assurance

Initial Testing:

Conduct initial tests to document baseline performance of the installed fiber.

Comprehensive Testing:

Perform detailed tests on all fibers to measure attenuation, return loss, and ensure compliance with OSIS standards.

Quality Assurance:

Document all testing results and perform a quality check to verify the installation meets project requirements.

Phase 7: Documentation and Handover

Documentation:



Prepare detailed documentation including routing paths, test results, and compliance certificates.

Final Inspection:

Conduct a final walkthrough with stakeholders to inspect the installation and address any concerns.

Handover:

Provide all documentation, test reports, and warranties to the client. Conduct a project closure meeting to obtain client sign-off and feedback.

5. Project Management and Timeline

Project Manager

Name: Murat Yildirim

Role: Overall project oversight, primary point of contact

Responsibilities: Ensuring adherence to project plan, managing resources, and communication with stakeholders

Detailed Timeline

| Days | Tasks |

| 1-4 | Kick-off meeting, site survey, risk assessment, detailed planning

| 5-7 | Material procurement, testing of materials, inventory management

| 8-11 | Conduit testing and preparation, security measures implementation

| 12-19 | Fiber optic cable installation, routing path execution, fiber pulling

| 20-23 | Fiber splicing, termination, installation of enclosures and patch panels

| 24-26 | Post-installation testing, quality assurance, documentation

| 27-28 | Final inspection, handover of documentation, client sign-off, project closure meeting



6. Quality Assurance and Control

Process Adherence:

Adherence to the defined project processes to ensure consistency and quality.

Regular Inspections:

Conduct regular inspections at each phase of the project to verify compliance with project standards.

Defect Rectification:

Promptly address and rectify any defects identified during inspections or testing.

7. Security and Compliance

Security Protocols:

Follow strict security protocols as specified by Buckley Space Force Base.

Compliance Checks:

Ensure all activities comply with the Overhead Persistent Infrared (OPIR) Site Integration Standard (OSIS).

Personnel Authorization:

Submit a Visit Authorization Request and ensure all personnel have required clearances and government-issued identification.

8. Risk Management

Risk Identification:

Identify potential risks that could impact project timelines and quality.



Mitigation Strategies:

Develop and implement strategies to mitigate identified risks.

Contingency Planning:

Establish contingency plans to handle unforeseen events or challenges during the project.

9. Conclusion

SYSTEC101 is dedicated to delivering a high-quality installation that meets the stringent requirements of the SST Fiber Cable Material and Installation Project. Our detailed project plan ensures a systematic approach to achieve the project goals, ensuring timely completion and adherence to all security and compliance standards. We look forward to the opportunity to work with you and contribute to the success of Buckley Space Force Base.



Highlights of Our Proposal:

Scope of Work:

Detailed understanding of the project requirements.

Provision of single-mode fiber optic cabling with high reliability and performance.

Compliance with Overhead Persistent Infrared (OPIR) Site Integration Standard (OSIS) for all installations.

Technical Approach:

Methodical installation plan with a focus on quality and security compliance.

Comprehensive testing and quality assurance measures to ensure optimal performance.

Qualifications and Experience:

Proven track record of successful projects for government and commercial clients.

Strong references demonstrating our capability to deliver top-notch services.

Pricing and Warranty:

Competitive, firm fixed price proposal.

One-year comprehensive warranty on workmanship and materials.

We believe that our technical expertise, seasoned project management, and commitment to quality uniquely position us to execute this project successfully. Should you require further information or wish to discuss any aspect of our proposal in more detail, please contact me directly at 970-646-2706 or my@systec101.com Thank you for considering SYSTEC101 for this critical project. We look forward to the opportunity to work with you and contribute to the continued success of Buckley Space Force Base.



Murat Yildirim Owner at SYSTEC101