



**Delta County Fairgrounds
403 South 4th Street, Hotchkiss CO 81419**

2024-RFQ-05

FIBER OPTIC CABLING PROJECT SPECIFICATIONS

PROJECT OVERVIEW

This project is for the installation and termination of single-mode fiber optic cabling between select buildings at the Delta County Fairgrounds located at 403 South 4th Street in Hotchkiss, Colorado.

In addition to this document, please reference the accompanying Fairgrounds site plan document S1.

This project consists of:

1. Install one 12-strand/count (minimum) single-mode fiber optic cable between the Livestock Office and Heritage Hall.
 - a. The approximate straight-line or line-of-sight distance between the buildings is 550'.
2. Install one 12-strand/count (minimum) single-mode fiber optic cable between the Livestock Office and the Maloney House.
 - a. The approximate straight-line or line-of-sight distance between the buildings is 850'.
3. Propose cable paths utilizing existing utility and light poles, below-grade horizontal bores and/or trenches, and conduit. Include the cost of any boring or trenching in the proposal.
4. Both of the above fiber cables to be outdoor, weather and ultraviolet light resistant, and/or direct-burial rated.
5. Provide and terminate each end of both cables in an indoor rated, wall-mounted fiber optic enclosure with LC fiber connectors.
 - a. Livestock Office: inside SE corner of the building.
 - b. Heritage Hall: inside NW corner of the building.
 - c. Maloney House: inside mechanical room midway along the west side of the main house.
6. Specify the type, make/model, quantity and price of all proposed products.

Vendor questions regarding this quote request are welcome. Please use the Q&A feature of the BidNet web site so that questions and answers can be viewed by all interested parties.

REJECTION OF QUOTES, INFORMALITIES, AND IRREGULARITIES

Delta County shall select the quote that is most advantageous to the County, as determined by the County in its sole discretion. Delta County reserves the right to reject any quote; change, add, or amend the specifications; waive any informality or irregularity; to accept the quote that, in its judgment, best serves the interest of the County.

SCHEDULE

1. An on-site walk-through and information meeting at the Delta County Fairgrounds, 403 South 4th Street, Hotchkiss, CO, is scheduled for 9:00 am, Wednesday, May 29, 2024. If unable to attend the May 29th walk-through meeting, a second on-site meeting is scheduled for 2:00 pm, Thursday, May 30, 2024.
2. If interested, please submit a complete itemized quote via the BidNet site that includes proposed products, labor and services by **2:00 pm, Wednesday, June 5, 2024.**
3. This project can begin as soon as a qualifying proposal is accepted and should be complete by July 15, 2024.

COORDINATION

1. Coordinate and confirm the installation schedule and location of fiber cable pathways, building penetrations and fiber optic enclosures with Delta County IT staff prior to beginning installation:
2. Provide Delta County IT staff with periodic updates and review.

QUOTE SUBMITTALS

1. Provide a competitive quote/bid/proposal of all proposed materials and labor for completing the project as specified in this and accompanying documents. Clearly identify optional or recommended products and/or services, if any.
2. Submit the quote and supporting documents via the BidNet site by the deadline stated above.
3. If requested, provide references of other similar projects completed in the previous 2 years.
4. If requested, provide product data for each type of product indicated, including fiber optic cable and fiber optic connector enclosures.

INSTALLATION OF FIBER OPTIC CABLES

1. Comply with industry standard commercial fiber optic cable installation best practices.
2. All installer-provided materials shall be new.
3. Cabling components to be installed per the latest ANSI/TIA/EIA and BICSI standards.

4. Upon project completion, provide as-built drawings that include cable pathways.

QUALITY CONTROL

1. Installer must have demonstrable knowledge and experience in the installation of fiber optic cabling, connections and systems.
2. Test optical fiber cables according to the latest TIA/EIA standards. Cable will be considered defective if it does not pass tests and inspections.
3. Provide cable support and strain relief (including but not limited to: support brackets, cable grips or clamps, cable tie slots and cable ties, J-hooks, D-rings and hook and loop straps) per industry standards to prevent degradation of cable performance and pinch points that could damage cable.
4. Comply with cable manufacturer's minimum bend requirements.
5. If utilized, conduit shall be sized to meet or exceed the manufacturer's recommended conduit fill recommendations.
6. Field-verify all dimensions and distances to estimate cable quantities.

END