



**INVITATION TO BID FOR ALDER CREEK, SANDERCOCK, AND TERRA FERN SITES FIBER OPTIC
CONSTRUCTION SERVICES**

INTRODUCTION AND BACKGROUND

The City of Sandy is accepting bids for the Installation of for Fiber Optic Cabling at their Alder Creek, Teran Fern, and Sandercock sites. Bids will be accepted until **2:00 PM Pacific Time on April 29, 2025** **“Bid Closing Time.” Bids received after the deadline will not be accepted.** Further detail is found in the scope of work which is a part of this Invitation to Bid. The City reserves the right to modify the schedule at the City’s discretion. Any modification will require the City to notify any bidders who have submitted an intent to bid.

The City of Sandy is addressing critical challenges with its aging drinking water infrastructure through the Sandy Drinking Water Reinvestment Program (SDWRP) to better serve the City’s approximately 13,000 residents. This long-term effort aims to ensure a reliable water supply, address redundancy concerns, and meet federal regulations. Key aspects include upgrading infrastructure like the Alder Creek Water Treatment Plant (WTP) and the Portland to Sandy Water Filtration Plant Transmission System, focusing on providing safe water for residents and businesses. The SDWRP also aims to enhance system redundancy, improve resilience against natural disasters, comply with federal mandates like cryptosporidium treatment, and manage costs while maximizing city-owned water sources like Alder Creek and Brownell Springs.

Along with improvements to the City’s drinking water infrastructure, the City is installing fiber optic cabling at three of the City’s sites which include the Alder Creek WTP, Terra Fern Reservoir, and the Sandercock Reservoir to extend broadband service from SandyNet as growth of Sandy and its surrounding community have created higher demands for rural broadband service. Design was completed by Tremark, LLC dba K&B Technical Solutions (K&B).

Activity	Date(s)
Advertisement of RFP	03/21/25
Respondents to submit Proposals	04/29/25
City to review qualifications	04/30/25
City to issue Notice of Intent to Award (NOI)	05/02/25
Contract Negotiations Completed	05/13/25
Anticipated Council Approval of Agreement	06/02/25
Notice to Proceed	06/03/25

PROJECT DESCRIPTION

1. Construction of project shall be performed or managed by contractor. 90% design and bill of materials (BOM) shall be approved by the City of Sandy before start of construction. ROW permits will be required from the City of Sandy Public Works Department (ROW).
2. See attached drawings for each site’s proposed bore paths and jobs. Roughly 8,561ft of drilling is required; 2,809ft at the Alder Creek site, 3,798 at the Sandercock site, and 1,954 at the Terra Fern site. In the ROW/PUE conduit shall be installed a minimum depth of 36” in Clackamas County ROW, and 36” for ODOT ROW. Sweep conduit up inside of all vaults. For this project, all vaults shall be traffic rated. The contractor will be required to submit their own locates on behalf of work being



performed for the City of Sandy.

3. Site maps and primary locations are attached.
4. Contractor shall be responsible for supplying fiber optic mounting and fastening hardware throughout the distribution, and the installation of fiber can take place during normal (8:00 am – 5:00 pm Monday-Friday), or after-hours. Final connectivity switchover should take place during normal hours. Conduits, Tubes, TDUs, fiber panels, and cables shall be labeled per location cabling standard. All suppliers must include a detailed warranty in the bid.
5. **Splicing Requirements:**
 1. Contractor shall pull, prep and splice all FO cables for the project.
 2. Contractor shall leave 100' of slack for FO cable from each conduit entrance and exit.
 3. Cable and splice case preparation and splicing shall be completed by contractor.
 4. Each splice shall not exceed 0.02db loss.
6. **Conduit/Vault Requirements:**
 - a. Distribution vaults shall be installed as necessary for fiber splice points. Vaults and pull points shall be placed no farther than every 200ft, unless otherwise specified by City of Sandy staff or engineered plans,
 - i) Distribution vaults and Hand Holes shall contain no more than six conduits
 - ii) Vaults and Hand Holes may be used as pull points when needed, so long as acceptable slack, mainline/distribution are accounted for
 - b. Each conduit span shall not exceed 360 degrees of bend radius before sweeping into a vault or pedestal
 - c. Mule Tape shall be installed after conduit placement for FO cable prep
 - d. All vaults/hand holes shall be installed to grade within all ROW/PUE sections
 - e. Conduit or cable shall be tonable
 - f. All landscaping, sidewalks, road surfaces, curbs and gutters, etc. must be restored to their previous condition upon completion of the installation
 - g. Vaults shall not be modified and conduit shall be swept under all vaults/hand holes
7. **Material Requirements: (See Designed Plans)**
 - Fiber Optic Cable: Minimum 48ct SM Loose Jacket non-Geel Armored
 - Splice Case: Commscope 450B
 - Conduit: 2" HDPE or Schedule 40
 - Vaults: Traffic rated 24x36x24"
 - Risers: 2" PVC Riser
 - Strand: Overlash
 - Premise Terminations: N/A
8. **Permitting**

Right-of-Way (ROW) permits along with a Traffic Control Plan are being completed by K&B and the Contractor will be notified once the permits have been issued and the traffic control plan is complete.



GENERAL REQUIREMENTS

1. All material and equipment needed to complete this project will be supplied by the contractor with the exception of the following:
 - Parking and yard space will be provided for vehicle storage
 - Water from a local hydrant will be provided by the City of Sandy
 - Vac spoils location will be provided by the City of Sandy
2. Utility make-ready shall be required for this project, as defined under the joint use permits of the design for each site
3. An approved traffic plan is included on the ROW permits. All flagging costs need to be included in the bid.
4. All fiber cables need to be labeled in every splice case and vault for future reference. The City of Sandy will provide the fiber tags.
5. All disturbed areas shall be restored to an in-kind or better condition.
6. The City of Sandy is not responsible for extra costs due to subcontractors' failure to review complete plans, drawings and specifications.
7. If bid quote exceeds \$65,000.00, include the cost of a Payment and Performance bond in your bid total.
8. A final as-built design shall be provided to the City of Sandy upon project completion.

BID SUBMISSION AND CLARIFICATIONS

1. One PDF copy of the Proposal Documents will be provided to PROPOSERS. The CONTRACTOR will not be responsible for full or partial sets of Proposal Documents, including any addenda, obtained from other sources.
2. All questions regarding this bid shall be submitted via email to gbrewster@ci.sandy.or.us, by the CONTRACTOR by **April 21, 2025**. Oral statements may not be relied upon and will not be binding or legally effective.
3. Conditional PGE permits have already been acquired and will be provided to the successful bidder.
4. A Proposal Bond or certified bank check in the amount of 5 percent of the Base Proposal shall be included with each Proposal.
5. Contract Times for commencement and completion shall be in accordance with Article 5 of the Procurement Agreement.
6. The acceptance of any Proposal shall be subject to funds approved for such purposes.
7. Proposals shall be submitted electronically and shall include one (1) original copy of the bid proposal packet in PDF **not exceeding** 15 MB via email to and gbrewster@ci.sandy.or.us **no later than 2:00 PM, April 29, 2025**.



8. This project will be funded in part with a financial award from the Special Public Works Fund, funded by the Oregon State Lottery and administered by the Oregon Infrastructure Finance Authority.
9. This Request for Proposals may be cancelled, or bids may be rejected for not complying with all prescribed procedures and requirements or when it is in the best interest of the City, as determined in its sole discretion. City is not liable to any bidder for any loss or expense caused by or resulting from the cancellation or rejection of a solicitation, bid, proposal or award.
10. This project was funded in part with a financial award from the Special Public Works Fund, funded by the Oregon State Lottery and administered by the Oregon Infrastructure Finance Authority
11. Any and all bids may be rejected for good cause on a finding that it is in the public interest to do so.

Dated: March 21, 2025

Engineer:

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ATTACHED DOCUMENTS

1. Alder Creek Drawing Package
2. Sandercock Drawing Package
3. Terra Fern Drawing Package
4. General Conditions
5. Performance Bond
6. Payment Bond
7. Draft Agreement