

BDP – City of Sherwood Expansion 04.15.25 Pre-Bid Meeting

BDP – Pre-bid meeting 9:00am to 9:56am –
Questions posted in the 04.15 Question and Answer document –
Brad Crawford – Broadband Director

Brandon Price – Broadband Manager

Chris Blythe - Operations Supervisor Broadband

Todd Hurd – Network Engineer (BDP project manager)

Please write your questions on the note cards as we go. We will need to post the questions and answers on our website. We will attempt to answer what we can in person, but in some instances, we will need to gather more information before we can answer.

Read -

(Copy and Paste from the DJC advertisement)

The City of Sherwood Broadband is soliciting **not to exceed bids** to include federal prevailing wages, all material, engineering, construction, and splicing of ~180,000ft lashed aerial and ~82,400ft underground fiber optic cable in various public right of ways and private property. Areas of construction to be performed in Washington County, Clackamas County, Yamhill County, and the city of Newberg. The construction will be in 3 geographical service areas to feed approximately 800 homes with highspeed fiber optic services. **The project is expected to be, engineered, permitted, constructed, spliced and tested(full turnkey) before the expiration of the Federal BDP grant funding September 30th 2026.** Estimated total bid quantities can be found in the city of Sherwood public website. Please see <https://www.sherwoodoregon.gov/bids> for all bid documents.

Bid Closing at 12:00 PM (PDT) on Wednesday, April 30th 2025. Please title the envelope or subject line “**BDP - City of Sherwood Broadband Expansion**”. Bids will then be opened at shortly after the BID CLOSING. No bids will be accepted by electronic submission or after the Bid Closing time.

First-Tier Subcontractor Disclosure forms must be received at the above-mentioned location no later than **2:00 PM (PDT) on April 30th 2025.** Proposals without a completed First-Tier Subcontractor Disclosure form submitted will be considered non-responsive. Any documents not completed will also considered non-responsive.

Project Description

The work to be performed under this contract consists of the construction of the following items:

The City of Sherwood to **ONLY** provide all fiber optic cable tags. The awarded contractor to provide all labor and materials for the installation of fiber optic cable. **All materials must be American made and have proof of USA certificate of compliance. “Build America Buy America Act”.**

1. **Approximately 82,400’ of new underground conduit and fiber installation.**
2. **Approximately 180,000’ of new aerial strand and lashed fiber installation.**

All Bid Documents, including Plans, Specifications, and documents will be available by visiting <https://www.sherwoodoregon.gov/bids>

PRE-BID MEETING WILL BE HELD FOR THIS PROJECT 9:00 AM (PDT) on April 15th, 2025 at 15527 SW Willamette St Sherwood, OR 97140. Questions can also be submitted BY EMAIL ONLY to hurdt@sherwoodoregon.gov by 4:00 PM (PDT) on April 25th, 2025. The question will be posted to the website and answered publicly in a Q & A pdf document. It will be the bidders responsibility to review the Q & A document daily for updates. Upon request, a log of all questions received, and answers will be provided via email no later than 72-hours prior to the Bid closing date & time. All questions and answers will be posted in <https://www.sherwoodoregon.gov/bids>

This is a Federal Grant project and Federal Davis Bacon prevailing wages apply. See [Prevailing Wage Information and Resources | U.S. Department of Labor](#)

Bids shall be accompanied by a certified check, cashier's check or bid bond payable to the City of Sherwood in an amount equal to ten percent (10%) of the amount bid.

The City of Sherwood may reject a bid that does not comply with prescribed public contracting procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375(3)(b), and that the City may reject for good cause, all bids after finding that doing so is in the public interest. City reserves the right to waive minor informalities in any bid.

For more information regarding this project, please see <https://www.sherwoodoregon.gov/bids>

PUBLISH: Portland Daily Journal of Commerce, Week of 03/31/2025.

Answering questions related to accessing the city of Sherwood Website to review the attachments within. (Note - Holding construction, engineering, and splicing questions to the end.) - NONE

Questions and Answers to be posted on the question and Answer document.

Read -

- I want to emphasize that the awarded contractor will be solely responsible for all pole permitting and NJUNs creation and closures. It will be a cradle to the grave. All permits must be submitted to Post inspection as well as all NJUNs tickets monitored until they can be closed. All poles must be measured with a stick in the field.
- The project has a lot of aerial route miles. In order to keep the project on track with the September of 2026 deadline, we will need the awarded contractor permit team to quickly identify any PGE or Ziplay poles that need to be replaced. The more aerial we can preserve or convert from underground to aerial, the quicker we can build the project and on budget.
- Per the Q&A document #5 on 04.07.25, PGE has committed to a rough 45-day time frame for distribution pole replacements. As well as normal distribution pole without risers, angles, transformers etc... will cost ~\$15k to \$25K to replace. The COS direction, is to replace poles and pay for power/comm make-ready.
- We will need the contractor permit team to identify the pole replacements or FEASIBLE power/comm make-ready to start the pole owners' time as soon as possible. This may mean that the awarded contractor permit team spend the first few days driving the routes and identifying low midspans or limited attachment space on the poles and starting with the more difficult poles first. Per ITB 4.3.8, it will need to be presented to the city project manager for review. During the engineering pole phase, we need to identify locations that we may be able to set our own poles as well. There are locations where PGE has conductors going diagonally across a road with a 300' plus span and less than 16'-0" over a drivable surface. There will be opportunities for us to set mid-set poles instead of replacing PGE or Ziplay poles.
- Specific to Ladd Hill Rd underground in the 1F area. Even though the Network Design shows underground for the mainline, if during the engineering phase it can be switched to aerial, we want to try to convert it to aerial if possible. That goes for any locations proposed as UG.
- Proposed drop only poles in the Network Design. The contractor permit team will not field or submit pole permits on drop only poles shown in the Network Design. Once we receive a sold customer order, the awarded contractor will build the drop and provide the permittable information to the contractor permit team within 24 hours. The permit team will submit aerial drop permits until the BDP project is finished in September of 2026.
- The Network Design shows underground along private roads and shared driveways. The expectation is the awarded contractor focus on mainline design

and permitting in the right of ways first. The non-right of way builds can be designed later and/or redlined as-built during and after the build. Since the private drives do not require permits, a simple as-built design will suffice. See Division 4 Special Provisions 00140.31 for as-built requirements. Per the Q&A document #5 on 04.07.25 we will only build the private property areas if we get customer sign off. If nobody signs up, and/or nobody approves the construction on the private property before September 30th 2026, we will not build as apart of the BDP grant project.

Read -

4.1.8 Contractor shall build all aerial facilities per current NESC rules and the preferred pole owner specifications. All post violations found by the pole owner during permit closure, will be remediated within 30 calendar days under warranty at no cost to the city.

4.1.9 Contractor shall provide redline as-builts with final pole attachment heights. Contractor shall provide redline as-builts showing final underground running-line, as well as size, offset from edge of pavement, and depth of conduit every 50 feet interval.

4.2 Bid related - Excavation, Horizontal Drilling, Aerial Construction, and Splicing.

4.2.1 Excavation shall conform to the latest edition of ODOT Standard Specifications for Roads and Bridges Manual, latest edition and/or local jurisdiction.

4.2.2 Open Excavations: All open excavations shall be adequately safeguarded by providing temporary barricades, caution signs, lights and other means to prevent accidents to person, and damage to property. The contractor shall, at his own expense, provide suitable and safety bridges and other crossings for accommodating travel by the public and workers.

4.2.3 Potholing for the purpose of locating all known and unknown underground pipeline or structures in advance of the construction shall be excavated and backfilled by the contractor so as not to create a hazardous area. Potholes shall be backfilled immediately after their purpose has been satisfied and maintained in a manner satisfactory to local jurisdiction.

4.3 Directional boring/plowing/trenching of Conduit: All conduit placed within the right of way must be HDPE SDR-11 and shall meet the requirements of the local jurisdiction. All conduits in public right of ways must be placed min. 36" below finished street grade or adjacent finished grade. Conduit shall have #12 tracer wire pulled with directional bore for locating.

4.3.1 Riser placement: Riser placement must not block climbing space of the pole. In most instances, there will be (2)-2" conduits placed to the pole. (1)-2" schedule 40 PVC conduit will be placed to a new stand-off bracket or an existing stand-off bracket. Conduits must maintain 5" of clearance from conduit to the face of pole and stand-off brackets must be greater than 8' from the ground. The second conduit must be stubbed at the base of the pole and capped to prevent debris from entering the spare conduit. Existing riser conduit must have a Sherwood Broadband sticker placed on the streetside of the conduit. The City of Sherwood project manager will provide the sticker. Tracer wire must be brought up the riser, neatly stapled down the pole out of climbing space, and a terminal block installed to terminate the tracer wire in. Examples will be provided upon request.

4.3.2 Handhole structures Channell Bulk 4 – traffic rated lids: All handholes and flower pots must be labelled "City Fiber" on the Channell Bulk 4 lid puck. All handhole sizes are listed within the provided network design as well as listed above. All cables within the structure will be neatly coiled as well as tagged with provided Sherwood Broadband fiber tags. Storages left in handholes for maintenance should be a min. of 50'. Storages left for splicing in handholes should be a min. of 75' for a mid-sheath splice, or 50' if an end of line. All handholes designated for splicing must be in an area that a van can safely park with limited to no traffic control. All handholes must be greater than 5' from the base of any pole. Additional guidance and support from the city project manager will be provided during the engineering phase of the project.

4.3.3 All service drops direct buried or directional drilled to the home: All buried drops must maintain a min. of 18" depth on private property. The service drop must be deep enough to not be impacted by the homeowner during farming, cultivation, or routine maintenance of the property. If 18" cannot be obtained, less than 18" can be approved case by case by the city project manager. All drops are assumed to be direct buried to the home in soft surface areas. 25' of fiber will be left at the side of the home in a neat coil.

4.3.4 Any drop placement on private property, under hard surface, or beyond 500 feet will need to be approved by the city project manager before being installed. In some instances, with approval from the city project manager and homeowner, the contractor may ground lay the fiber beyond 500' for the homeowner to self-install.

4.3.5 All service 2F drops will be placed to the distribution case most often near the base of a utility pole through a 2” riser and conduit. All service drops will be neatly tapped to the existing distribution fiber leading to the distribution case. Drops installed to the house by means of underground or aerial must have 25’ of fiber left at the side of the home in a neat coil. Drops must be tagged at the case with the home address.

4.3.6 All service drops transitioning from aerial to underground on a pole must have an 8’ UV rated drop molding. All drops must be placed out of pole climbing space.

4.3.7 Aerial strand and lashed fiber placement to pole: All aerial pole attachments must be installed 40” from the top of the proposed pole clamp bracket to the lowest power. Engineers shall design from top of the clamp to low power giving a greater than 42” from the through-bolt to the lowest power. Contractor will be responsible for adhering to the pole owner’s specific requirements and the latest NESC rules. No exceptions will be given to be less than 40” from power at the pole. All complex power make-ready or taller poles must be immediately brought to the city project manager for review. Field meet will be necessary before pole permits and NJUNs tickets are created for the complex power make-ready or pole replacement. In some instances, the contractor and the city project manager will perform a site walk with the local PGE inspector for guidance and recommendation before NJUNs tickets and permits are submitted. All aerial attachments will be tagged with “SBB” aerial zip tie tag and orange “City of Sherwood” tag with 2 black zip ties. Tags to be provided by city of Sherwood prior to construction beginning.

4.3.8 Aerial strand and lashed fiber at midspans: All proposed aerial spans will be designed with a proposed ambient temperature of 90 degrees. Per PGE, all spans (mainline or drop) shall be designed with a min. of 16’-0” over all driveways and drivable surfaces. All complex power make-ready or taller poles must be immediately brought to the city project manager for review. Field meet will be necessary before pole permits and NJUNs tickets are created for the complex power make-ready or pole replacement. In some instances, the contractor and the city project manager will perform a site walk with the local PGE inspector for guidance and recommendation before NJUNs tickets and permits are submitted. Note: The contractor will be responsible for trimming and clearing a 12” spherical area from existing trees and limbs from all placed aerial fiber. If large branches cannot be trimmed, the contractor will be responsible for placing tree guard to the lashed fiber for protection.

4.3.9 New pole placement and limiting additional underground: The intent of the project is to utilize the existing utility poles as shown in the network design and replace as necessary. During the engineering phase, the project is to be proposed in a least cost aerial solution for the fiber placement. The project must follow the proposed network designed provided by the City of

Sherwood. Any deviation from the provided network design must be approved by the city project manager. New poles: During the engineering phase, the contractor shall identify and report to the city project manager where new city owned poles could be beneficial to assist with the least cost aerial solutions. The city project manager will review the new pole locations and promptly approve or deny.

4.4.1 Underground and Aerial splicing: Typical distribution cases are being proposed in a handhole greater than 5' away from an existing utility pole and accessible by van. The typical procedure for the distribution case, is an aerial Commscope Fosc 450D or 450C case placed in the aerial span on the mainline. At the aerial mainline splice case, the city project manager will identify a buffer tube that can be cut from the mainline cable. The mainline cable buffer tube will be spliced to a 12F flat drop. The 12F flat drop will be lashed and placed down the 2" riser to the Commscope Fosc 450C underground distribution case in a 24x36x36 deep handhole. At the distribution case, the 12F flat drop will be added with a single drop add kit to the outside drivers side 7 o'clock position. The splicer will leave a buffer tube coil in the basket, then clean and add 12 fibers to a single 450C tray for splicing service drops. In addition, the splicer will add (2)-4 port gel seals in the 3 and 9 o'clock positions during the case build. If service drops are present during the time of the case build, the splicers will be required to add them while there at no charge. After cases are built, the splicer will be required to use small reflective orange stickers to stencil the collar of the splice case. SBB-(number). Please note - Reflective stickers on aerial case to point down and be visible from ground level. Upon the closure of the case, the splicer will take 2 photos of the inside of the case as well as provide the cable size, manufacturer, date, and sequential footages on the input and outputs. Pictures and information to be immediately texted or emailed directly to the city project manager while splicer is at the location. Note: Service drops added to cases later and not during the time of the case build, mobilization will be paid separately.

4.4.2 Unique underground splicing of 432F mainline: There are locations in the right of way that will have two underground splice cases in (1)-30x48x36 deep handhole. There will be a Commscope 450D case on a 432F mainline. From the 432F will be a 12F flat drop umbilical to a 450C distribution case that all service drops will be fed from. All other procedures apply from 4.4.1.

4.4.3 Ribbon splicing and ribbonizing loose tube fibers: At the 3 Clearfield 576 port cabinets, the distribution fiber will be a 576F ribbon fiber. The splicer will be required to ribbonize the 432F loose tube and splice the distribution 576F to the 432F. In addition, due to fiber reel lengths, there may be locations of unanticipated "Butt Splices" in the right of way. If requested by the splicer and approved by the city project manager, ribbonizing unanticipated locations may be approved.

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4.4.4 Redlight and testing: The expectation, is all fiber splices must be below a .20 dB single or Bidi. 3 attempts must be made with proof to get below a .20 db.

The contractor will be responsible for redlighting and single direction testing from the 576 distribution cabinet to all distribution splice cases or to the side of the house. The contractor will be responsible for bidirectional testing from the C.O. to the feed ports of the 576 distribution cabinet. Final pdf fiber testing packages will be emailed to the city project manager.

**9:56am to 10:15am answered questions –
See Question and Answer document -**