

Town of Ridgway
Ductile Iron Pipe Replacement
Prebid Meeting
June 20, 2024

The in-person prebid meeting began at 2:00 pm on June 20, 2024 for the purpose of reviewing the Town of Ridgway Ductile Iron Pipe Replacement Project.

Attendees included:

Joanne Fagan and Ron Alexander, Town Engineers
Guy Love, Haynes Construction
Kelly Waddington, K&D Construction
Hank Williams, Williams Construction

Note that blue text is things that were not covered during the presentation, but we think are worth mentioning.

Project Overview

The project consists of installation of a temporary bypass line, removal of existing Ductile Iron (DI) pipe and disposal and replacing with DR 7 HDPE along the upper portion of the project and C900 along Amelia St. Along Amelia St, the work also includes disconnecting lines current connected to the DI pipe and first tying them to the bypass and then reconnection to the new pipe. The project will require the Contractor to maintain service to the Town as a whole including adjacent customers during the construction including but not limited installation of the bypass, removal of the DI pipe, installation of the new pipe and flushing, disinfecting and testing process. Work includes furnishing and installing pipe, valves, fittings, service taps, service line, reconnection of PRV's and relief valves and all other connections to complete the project as defined by the Contract Documents.

Schedule

The Town has a policy that there can be no excavation or backfill after 11/15 so that is the date we included for construction completion. Paperwork deadline is a couple of weeks later. There is also a 100 calendar day limit. We are hoping to be able to ask Council for an award at the 7/10 Council meeting. To make the award they will also need for the SRF loan and DOLA grant contract to be executed. The water line is the only line between the water plant and Town and the existing DI pipe is not polywrapped. There was a significant failure last year and the Town is anxious to get the DI replaced. **This will be updated to remove the 11/15/24 deadline and allow for construction in the spring of 2025.**

Funding Agency Requirements

The project is funded in part by a State Revolving Loan Fund (SRF). The project includes Davis Bacon Wages, compliance with the American Iron and Steel requirement, compliance with the Williams Steiger Occupational Safety and Health Act of 1970, minority and female employment goals and other federal requirements associated with the SRF loan included in the SRF specifications. In addition, the project is partially funded by an Energy and Mineral Assistance grant from the Department of Local Affairs (DOLA). Compliance with the terms of the funding agencies is a requirement of the Contract.

Section 1 - Davis Bacon wages are required. As of Sunday the 16th, the 2/23/24 wage design was still current. If that changes more than a week before the bid opening, the updated wages will be incorporated by addendum. **Contractor certified payroll need to be submitted to the Town weekly and Town needs to**

review to ensure that employees are being paid the minimum wage. The Town will need to provide signed certification that they have reviewed the payrolls and that all employees were paid in accordance with the wage decision. The wage decision may not address all the work classifications the contractor intends to use. In that case he will need to submit a form 1444 requesting additional classifications.

Section 2 - American Iron & Steel - All Iron and Steel need to meet EPA's Iron and Steel requirements. This is different from the CDOT Buy American. Before material is ordered make sure supplier will be supplying materials that meet the requirements. Even the reinforcement in concrete structures like manholes need to meet AIS. The AIS certification needs to have at least the following information: the project name, e.g. Ridgway DI Pipe Replacement, a description of the product being provided, the location of the foundry from which the Iron and/or steel was produced, it must reference that it meets EPA AIS specifically. Be aware that stating it meets Buy American is not adequate. The final required item is that it has the signature of someone authorized to represent the company. Certifications for all items need to be sent to Town. CDPHE will ask to see a few with the Town's first request for reimbursement. However, the Town needs to have the certs for all AIS materials on hand. Multiple batches of the same product need to have individual certifications.

For more info about AIS requirements, one can google American Iron and Steel. We have found the EPA 3/20/14 Implementation of AIS particularly helpful. The Town can check with CDPHE on things in a gray area.

Section 3 - Debarment & Suspension. Before issuing an award, the Town needs to verify the Contractor has not been debarred or suspended by checking www.SAM.Gov. The contractor will need to check that his subs are not debarred on SAM.gov too. The town may also spot check the subs.

Section 4 - Contractor needs to be aware of the EEO requirements. There will be no discrimination i.e. age, national origin, preferred veteran status, sex. General Contractor will need post the EEO poster and the supplemental poster and make sure that employees are aware of whistle blower process.

Section 5 - Williams-Steiger Occupational Safety and Health Act of 1970- Contractor needs to be sure he is having meaningful and relevant safety meetings with his staff and on site subs at least weekly.

Section 6 - Requires that if the contractor uncover anything of Archeological, Paleological, Historical significance, the contractor shall cease work and contact CDPHE.

Section 7 – DBE goals – The specs are currently drafted do not include DBE requirements. We are waiting for clarification on whether something needs to be added to the construction contract. If something is needed, it will be added by addendum.

Site Conditions

The portion of the project that requires HDPE pipe is in an easement granted to the Town. It is important to respect the easement boundaries. The utilities in the easement include the existing potable water line, a non-potable line, phone and a gas line that has not been put in service yet. The bypass line will also need to be placed in that space. The balance of the work is within the Amelia Street right of way.

Soils will vary. Soil conditions will vary across the project. Groundwater may be encountered. Some of the soils are cobbly and not very competent and others are sandy or clayey.

To maintain service to customers through the project will require bypass line. Submittal of method statement for the bypass is required.

Utility Conflicts

Bidders should expect to cross phone, fiber, gas, power, irrigation, seep, sanitary and storm sewer, and water in various locations. The Contractor is responsible to get all utilities located sufficiently in advance of his work in order to identify conflicting and crossing utilities and notify owner of any challenges that must be addressed. There is no separate pay item for this utility location work and the cost for doing so should be included in the cost of the applicable sewer line bid item.

Coordination

Coordinate with utility companies when working by their infrastructure. Coordinate with all customers whose service will be disrupted.

Erosion Control

If the contractor's construction will disturb more than one acre, one needs to secure and comply with a Colorado Stormwater Discharge Permit. Depending on the methodologies used, the project could exceed the one acre. If a permit is needed, closing the permit is included in the scope of work. Even if a permit is not required, contractor still needs to conduct his activities in a way that will minimize erosion and keep silt from reaching waters of the State.

Permits

If a dewatering permit is needed, the Contractor will need to apply the CDPHE and/or the State Engineer as appropriate. Assume a 45 to 60 day lead time for the dewatering permit.

Traffic Control

Contractor is required to submit a traffic control plans for town approval with a goal of minimizing inconvenience and ensuring public safety for all other work. During work hours, the contractor will be allowed to close one lane in to one block with traffic control signage routing folks around either side of the work as long as contractor coordinates with emergency services. Outside working hours, two lanes must be opened to traffic and any excavation must be securely barricaded and signed. No more than 50' may be left open in a street or alley during non-working hours. The Town will need access to the water plant at all times in case of emergency.

Addenda

All plan holders of record will receive addenda. Although the contract documents are likely available on line, we have no way of ensuring that people not on our list of planholders have complete information or nor are we able to notify those people of changes. The Contract Documents require that all bidders, subs, and suppliers prepare their bids from a full set of Contract Documents. Having used incomplete or unauthorized sets of documents or not being aware of addenda will not be an acceptable excuse for not conforming with the Contract Documents. Bidders need to make sure that all subs and suppliers providing the bidder with price quotes have prepared their quotes based on a complete set of Contract Documents.

Changes currently anticipated include:

Requiring smoothing the inside of the HDPE welds.

Change bid date.

Add a minimum pipe ID for bypass line is 8".

Qualifications

The "Information to Bidders" requires bidders submit qualification statement with the bid. It also requires that the contractor have satisfactorily completed projects of comparable size and complexity. The water specs (02713) also include some specific requirements.

Review of the plan sheets

The engineers walked through the piping plan sheets pointing out some features like ditch crossing and tie in points. Ditch crossings will require insulation between the ditch and the water line.

Bid Alternates

There are bid alternates to upsize each of the pipes one size.

Site Visit

A site visit was conducted after the meeting. Participants looked mainly at the work required in the easement.

There are a couple of places where there is clearly from the pipe easement to the road easement. We are not sure whether those can be used for access.

There are water bars along the easement and those need to be restored.

Even though the gas line south of the south end of Amelia is not in service, any damage to it needs to be repaired.

Question from the site visit are included in the Q/A.

Questions and Answers

Q: Is pipe bedding an incidental cost to pipe work? A: Yes.

Q: Who will be providing project inspection? A: The project engineers and Town staff.

Q: Will the project be awarded to the low bidder? A: Low bidder will be determined based on the work being awarded. We expect on this project to be able to award the full scope. (Note that the low bidder will need to meet the minimum qualification.)

Q: What is budgeted for the project? A: A little over \$1 million.

Q: Can the project completion deadline be extended. If it has to be done in 2024, we can't bid it?
A: This has been changed by addendum.

Q: Could one start at Amelia and work backwards? A: Yes, if one includes that in the method statement for how piping bypass and maintaining service to all users will be accomplished.

Q: Is there a staging area? A: Limited. They can use the easement above the upper tie in point and inside the water plant fence.

Q: Does the project require Davis Bacon wages? A: Yes and also American Iron and Steel.

Q: When should the project commence? A: We did not include a start time, but did include completion dates which been updated by addendum.

Q: What size and types of pipe are required? A: In the base bid, from the tie in at the south end to the upper PRV station is HDPE 14" DR7 and below the upper PRV, its 10" C900 DR 18". There are line items for alternates to upsize the HDPE to 16" and the PVC to 12".

Q: Is the water line trench to be backfilled to the current road elevation of the proposed road elevation reflected on the plans? A: The top of the backfill should match the existing road and be constructed consistent with the Town's trench typical drawing. The depth of bury is 5 foot for the water line except as noted on the plans.

Q: Is revegetation required? A: Yes. On the hillside it will need to be a very dry land mix. Is the restoration requirements in the specifications for a full set of requirements.

Q: Does the contractor need to dispose of the pipe that is being replaced? A: Yes.

Q: Are there different compaction requirements for the HDPE? A: We did not include anything different. We can look at reducing above the pipe zone to 92% standard on the steep slopes in the pipe easement, but not where the pipe is in a roadway including the roadway south of the gate.

Q: What resurfacing is required for the road south of the fence? A: It should be restored to its original condition, but the use of 3" of CDOT Class 1 aggregate base course is likely more practical and is now called for in the addendum.

Q: While the contractor is installing pipe in the road south of the gate, if the Town needs to get to the water plant can they drive on the area outside the roadway? A: We need to check with the landowner as it will be outside the road easement.

Q: Is there sufficient money to construction the project. A: We hope so.

Q: Who is supposed to survey as built locations? A: The contract calls for the contractor to do so.

Q: Where does one find the Town standards? A: They are available the following link <https://townofridgway.colorado.gov/resources/plans-documents-and-studies> toward the bottom of the web page.

Q: What is the thickness of the asphalt pavement that needs to be replaced on Amelia St.? A: There is no asphalt in Amelia St.

Q: Where can the contractor get construction water for the project, for compaction and for disinfection of the new line? A: The Town has non potable water "dispensers" near the Town Shop and by the fairgrounds. Contractor will need to coordinate with Town staff on the use of the dispensers. The Town reserves his water use.

Q. Is there an approximate quantity of unsuitable material that will be encountered? A: We don't have any idea.

Q. After the new line has been disinfected, can the water from the new main line be flushed directly onto the ground? Or does it need to be loaded into a water truck and hauled away? If it needs to be hauled away, where does it have to go to? A: The contractor will need to submit a method statement for how he proposes disinfect the bypass lines and appuretances, and the disinfection of the new system when completed. The disinfection process including disposal of flushing and disinfecting water needs to be completed consistent with the contract documents and CDPHE regulations including but not limited to the Low Risk Discharge guidance included in the contract documents.