



Purchasing Division

ADDENDUM NO. 1

DATE: May 24, 2018
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Persigo Wastewater Treatment Plant Diffuser Outfall Improvements Project
(RE-BID) IFB-4534-18-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. Q. Are there any restrictions for the 404 permit?
 - A. *No. Nationwide Permit (NWP) 39 Commercial and Institutional Developments, has been acquired for this Project. A copy of the permit will be provided to the Contractor prior to work beginning. The City will keep a copy of the NWP on-site during construction for reference.*

2. Q. For bypass pumping, is Contractor required to have double or triple redundancy?
 - A. *Yes, the Bypass Pumping pay item shall include at least one backup pump and pump controls. See Specification 01095, Bypass Pumping, Pay Item #16.*

The first paragraph in Special Condition 3.3.32 shall be replaced with the following paragraph:

Bypass pumping of the treated effluent water during the concrete wall coring, concrete pipe plugging operations, and the diffuser testing phase will be required. The Contractor will be required to provide onsite monitoring of the bypass pumping operation and equipment 24 hours a day while the pumps are in operation. The Contractor will be required to provide all necessary equipment for successful bypass pumping of the effluent flows and shall include, but not limited to, primary pump(s), one backup pump, backup controls, pipe manifold, suction and discharge piping, 48-inch pipe plug, fuel, labor, and materials for continuous operations of the bypass pumping assembly.

3. Q. Are there any Raptor (birds of prey) nests to contend with on the south side of highway?

A. No.

4. Per CDOT, the "Intermediate Pit" in the I-70 median cannot be used for a launching pit for the boring operations. The intermediate pit can only be used as an observation pit, equipment maintenance pit, and/or receiving pit. CDOT will not allow the Contractor to have a bunch of boring equipment and pipe material staged in the median.

Contractor's need to be aware that CDOT may require left lane closures on interstate in vicinity of intermediate pit if Contractor is needing to access the intermediate pit multiple times a day.

5. An updated Section 02440, Pipe Jacking specification is included with this Addendum #1.

6. Replace the construction plans with the updated construction plans that are attached to this Addendum. The updated construction plans include the following change(s):

- A. Sheet 2 of 18, Project Location Map, has been updated with current contact information.
- B. Sheet 18 of 18, Monitoring Plan, has been added to the construction plan set.

Contractor's need to be aware that CDOT may require left lane closures on interstate in vicinity of intermediate pit if Contractor is needing to access the intermediate pit multiple times a day.

7. Q. What is the wall thickness of the steel casing pipe?

A. *Refer to Part 2, Products within Specification 02315, Steel Casing Pipe, for this information. This specification states that the minimum wall thickness for the steel casing pipe shall be 0.75" and shall be fabricated in accordance with AWWA C-200.*

8. Q. Will surveyors be required to be on site at all times during boring?

A. *No. Refer to Specification 02445, Instrumentation and Monitoring, for monitoring frequencies.*

9. Q. Can you highlight the major changes from this solicitation scope as compared to the last?

A. *The City worked with CDOT on getting permission to work within the interstate right-of-way to allow for shorter bore lengths. The boring tolerances have been adjusted. The allowed construction period has been increased. Pipe invert elevations in manholes upstream and downstream of casing pipe/carrier pipe have been changed. Interstate pavement monitoring plan has been changed for when the bore is happening.*

10. Q. What would be an acceptable equivalent to 48" RCP?

A. *SaniTite HP Gravity Flow Sanitary Sewer Pipe by ADS or an equivalent manufacturer.*

11.Q. How stringent are the 100' easements in the right of way?

A. *On land, the Contractor will need to stay within the easement boundaries. Out in the river, it may be hard during construction of the coffer dam to stay within the easement boundary. The Colorado Parks and Wildlife are fine if the diffuser work out in the river extends beyond the easement boundaries.*

12.Q. What is the surveying control?

A. *Survey control is the same as the initial survey completed for this Project. Project Control Points are provided on sheet 5 of 17. It is the Contractor's responsibility to determine if additional survey control points need to be set to accommodate construction activities.*

13.Q. Can you please verify the I.D. for the manholes to be used on the project?

A. *Manhole Slab Bases shall be constructed per CDOT Standard Detail M-604-20. From the minimum bench dimensions shown in the details (9-inches), and using 48-inch I.D. pipe, it appears that the minimum diameter for manholes can be either 66-inch diameter or 72-inch diameter, whichever the precast supplier is able to fabricate.*

14.Q. Will the geotech and construction materials testing be contracted through the City or the General Contractor?

A. *Per Special Condition 3.3.21, the City will be hiring a 3rd party Quality Assurance testing agency for backfill compaction testing, concrete testing, and any other tests that are deemed necessary per the specification requirements.*

The Contractor shall provide any Quality Control testing and/or inspection as required by the project specifications/manual in Appendix B.

15.Q. Does the Project require the Contractor to survey the river channel/bottom before diffuser installation and after diffuser installation?

A. *Per the USACOE 404 permit and stormwater management plan notes, the river shall be returned to its pre-construction course, condition, capacity, and location.*

16.Q. What size rock/cobble shall be used for the baseline for the boring operation?

A. *The baseline rock/cobble size to be used for the boring operation is 12-inches.*

17.Q. What survey monuments will be required to be replaced?

- A. *At this time, the City believes the only monument that will need to be replaced is the Persigo property boundary pin at the southwest corner of the property. The Survey Monumentation pay item is to be used for referencing and resetting this property pin if it is destroyed during construction.*
- 18.Q. The 61.5" OD casing as spec'd is a non-standard size for tunnel equipment. Will an upsize in casing diameter be allowed?
- A. *Upsizing the steel casing diameter will be permitted. The 61.5-inch OD is based upon the carrier pipe and casing spacers with an allowable tolerance. A 48-inch ID HDPE carrier pipe is controlling factor for the hydraulic design.*
- 19.Q. Is there a specification for the casing spacers or is it up to the Contractor to design?
- A. *Refer to Section 02715 and Drawing C501 Detail 2. The contract documents provide requirements for the casing spacers which shall be designed by the Contractor to meet their means and methods.*
- 20.Q. Will the qualifications for the Tunnel Subcontractor be required to be included with the bid?
- A. *Refer to specification 023216.1.6.A for pipe ramming contractor requirements, specification 02440.1.6 for pipe jacking contractor and specification 02623 for microtunneling. A subcontractor qualification form will be required with bid submittal and is part of Addendum #1.*
- 21.Q. Are Pipe Ramming and Pipe Jacking allowable methods even though the geotechnical report recommends Micro-tunneling as the preferred method?
- A. *Pipe Ramming and Pipe Jacking are considered allowable methods.*
- 22.Q. Should Section 02623.1.4 Project Conditions under the Mirco-tunneling section (also in the Pipe Ramming Spec) also be included in the Pipe Jacking specs?
- A. *Project Conditions are the same for micro-tunneling, pipe jacking and pipe ramming. The Project Conditions will be added to Specification 02440 – Pipe Jacking.*
- 23.Q. Why are there greater grade tolerances allowed for the Pipe Ramming (1') than for either the Pipe Jacking (6") or Micro-tunneling (6") methods?
- A. *Pipe ramming allows for a greater tolerance based upon the achievable tolerance of the trenchless technology based upon industry best practices. Pipe Jacking and Micro-tunneling technology has the ability to achieve tighter tolerances in comparison to Pipe Ramming.*

24. Q What is the minimum wall thickness for the 61.5" casing for the Pipe Ramming?
- A. Use $\frac{3}{4}$ inch minimum. The Contractor shall determine the actual pipe thickness per Specification 02315.1.3.E.1. See specification section 02315 Part 2.A.
25. Q What is the timing required for bypass pumping?
- A. Per Measurement and Payment Item 17, bypass pumping required for connection of the effluent structure.
26. Q Can work go 24 hrs/day during the boring process?
- A. The City will support the boring operation going 24 hrs/day, if necessary. The City and Contractor will have to first get CDOT's support for working 24 hrs/day within CDOT right-of-way. The Contractor is responsible for acquiring the CDOT Utility Permit for work within the right-of-way and the hours of operation for the bore can be discussed then with CDOT.
27. Q Replace Section 3.6 in the Statement of Work section with the following:
- 3.6 Contractor Bid Documents:** For Contractor's convenience, the following is a list of form/items to be submitted with the Contractor's bid response. However, should a form/item not be listed in this section, but required in the solicitation documents, it is the Contractor's responsibility to ensure all forms/items are submitted.
- Contractor's Bid Form
 - Contractor's Bid Bond
 - Price Bid Schedule
 - Subcontractor Statement of Qualifications for boring method being proposed.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,



Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado