



Purchasing Division

ADDENDUM NO. 2

DATE: May 30, 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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. A 60" casing does not leave a lot of room for the 54" HDPE to go in. Can the casing be upsized?
A. As noted in Addendum #1, yes the casing can be upsized.
2. Q. Is dewatering allowed for the entire bore alignment? Can dewatering be done in the median?
A. Dewatering is not allowed during Micro-Tunneling operation. Section 01130 has been revised to clarify that. For Pipe Jacking and Pipe Ramming methods, dewatering can be done in the median, if needed, with CDOT permission. All dewatering operations and discharging shall follow the rules and regulations of the Colorado Dept. of Public Health and Environment Dewatering Permit that the Contractor is responsible for acquiring.
3. Attached to Addendum #2 is the Statement of Qualification form for the boring subcontractor to fill out. This form shall be submitted with the Bid on June 5, 2018 for the Bid to be considered a responsible bid.
4. An updated Section 01130, Dewatering specification is included with this Addendum #2. Replace the original Dewatering specification, Section 01130, with the one that is attached to this Addendum.

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

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in black ink, appearing to read "Duane Hoff Jr.", written over a yellow rectangular highlight.

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

NOTARIZED STATEMENT OF BIDDER'S QUALIFICATIONS

THIS FORM MUST BE SUBMITTED WITH YOUR BID

THIS STATEMENT MUST BE NOTARIZED

BIDDER SHALL PROVIDE CLEAR AND CONCISE RESPONSES TO ALL QUESTIONS IN THIS STATEMENT. BIDDER SHALL USE THIS FORM, OR A FORM WITH THE SAME FORMATTING AS THE CITY'S STATEMENT OF BIDDER QUALIFICATIONS.

The bidder must provide references including telephone number and contact names in response to the questions in this section. References will be used in determining the responsibility of the bidder. The City reserves the right to use itself as a reference.

1. List the names, titles, addresses of all persons and parties interested in this Proposal as principals are as follows:

Note: Give the first and last names in full. In the case of corporation, give names of officers and directors; in the case of a partnership, give names of all partners.

IMPORTANT: Be sure references are listed below.

Name	Title	Address
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

2. When organized.

3. If a corporation, where incorporated.

Bidder's Name: _____

4. Indicate the general nature of work normally performed by your company.

5. Has your present organization ever failed to complete any work awarded to it? If so, state when, where, and why.

6. Has your present organization ever defaulted on a contract? If so, state when, where, and why.

7. Qualification Requirements – As a minimum, the Bidder must demonstrate that it satisfies the following requirements by adequately providing responses to the following qualification requirements:

7A Qualification Requirement for Tunneling:

Within the last 6 years, the Contractor must have successfully completed at least 3 projects involving, as a minimum, trenchless tunneling using pipe ramming, pipe jacking, or micro-tunneling construction methods similar to that required for this project. The projects shall each be for trenchless tunneling at least 60 inches in diameter and at least 250 feet long and have used similar trenchless equipment. At least one of the trenchless tunneling projects shall have been in granular materials with cobbles below the water table. Provide the following details:

Project #7A-1:

Project Name: _____
Start date: _____ Completion date: _____
Name and address of Owner for whom the work was done: _____

Bidder's Name: _____

Name of Owner's Representative (for Reference): _____
Owner's Representative's Current Telephone #: _____
Dollar Value of Contract _____

Description of work performed that demonstrates that the above requirements have been fulfilled:

Project # 7A-2:

Project Name: _____
Start date: _____ Completion date: _____
Name and address of Owner for whom the work was done:

Name of Owner's Representative (for Reference): _____
Owner's Representative's Current Telephone #: _____
Dollar Value of Contract: _____

Description of work performed that demonstrates that the above requirements have been fulfilled:

Bidder's Name: _____

Project # 7A-3:

Project Name: _____

Start date: _____ Completion date: _____

Name and address of Owner for whom the work was done:

Name of Owner's Representative (for Reference): _____

Owner's Representative's Current Telephone #: _____

Dollar Value of Contract: _____

Description of work performed that demonstrates that the above requirements have been fulfilled:

Bidder's Name: _____

8. Qualification Requirement for Project Superintendent:

Provide the name of the Contractor's a fulltime On-Site Superintendent that will be assigned to the proposed Contract. The Project Superintendent must have a minimum of 5 years' construction experience similar in size, nature and complexity as the proposed project; manage construction schedules and crew coordination. Provide details on 3 projects on which the proposed person has worked as On-Site Superintendent and that demonstrate that these requirements have been fulfilled:

Name: _____

Project #8-1:

Project Name: _____

Start date: _____ Completion date: _____

Name and Address of Owner for Whom the Work was done:

Name of Owner's Representative (for Reference): _____

Owner's Representative's Telephone #: _____

Dollar Value of Contract: _____

Description of work that demonstrates minimum experience requirements have been fulfilled:

Project #8-2:

Project Name: _____

Start date: _____ Completion date: _____

Name and Address of Owner for Whom the Work is being done:

Name of Owner's Representative (for Reference): _____

Owner's Representative's Telephone #: _____

Dollar Value of Contract: _____

Bidder's Name: _____

Description of work that demonstrates minimum experience requirements have been fulfilled:

Project #8-3

Project Name: _____

Start date: _____ Completion date: _____

Name and Address of Owner for Whom the Work is being done:

Name of Owner's Representative (for Reference): _____

Owner's Representative's Telephone #: _____

Dollar Value of Contract: _____

Description of work that demonstrates minimum experience requirements have been fulfilled:

Bidder's Name: _____

9. The undersigned hereby authorizes and requests any person, firm or corporation to furnish any information requested by the City of Grand Junction in verification of the recitals comprising this Statement of Bidder's Qualifications.

Dated at _____ this _____ day of _____, 20____

(Signature)

Tel. No. _____

BY _____

Title _____

State of _____)

County of _____)

_____, being duly sworn,

deposes and says that he/she is _____ of

(Name of Organization)

and that the answers to the foregoing questions and all statements therein contained are true and correct.

Subscribed and sworn to before me this _____ day of _____, 20____

(Notary Public)

My commission expires on _____, 20____

- END OF SECTION -

Bidder's Name: _____

SECTION 01130

DEWATERING

PART 1 - GENERAL

1.1 DESCRIPTION

- A. All pipe tunneling pits, tunneling alignment, and open trench pipeline alignments are anticipated to encounter groundwater.
- B. Dewatering is allowed for the construction of the launching shaft or receiving shaft.
- C. Dewatering is not allowed during construction or operation of microtunneling or in the vicinity of the microtunneling alignment.
- D. For non-trenchless construction work elements, the Contractor shall supply and operate pumps of sufficient capacity to handle the flow, be maintained at the site, and be constantly attended operationally on a 24-hour per day basis until the Engineer determines their operation can be safely halted. Dewatering used on other non-trenchless construction work elements must be managed to minimize surface subsidence (i.e. settlement) associated with groundwater lowering.
- E. The Contractor shall be responsible to test the water quality of the groundwater and under no circumstances shall the Contractor be allowed to discharge the groundwater directly into Persigo Wash, Pritchard Wash, or the Colorado River, without pretreatment first to remove groundwater contaminants and meet the permit discharge requirements. See General Conditions.
- F. Direct dewatering via subsurface wells without ground stabilization and watertight shoring installations to limit unregulated inflow of groundwater into excavations is not permitted. Prior to and during excavation the Contractor shall stabilize the ground at all excavations via ground stabilization and/or watertight shoring. Installations shall limit groundwater inflow into the excavation to less than 5 gallons per minute (GPM) from a single source such as the excavation wall or floor, or 10 GPM from all sources for any given 100 linear feet of excavation or confined pit area.

1.2 DEWATERING PLAN

The Contractor shall prepare a Dewatering Plan (DP) for the specific reaches of the project. The DP shall provide in detail the Contractor's proposed methods of dewatering and shall be submitted to the Colorado Department of Public Health and Environment (CDPHE), the City of Grand Junction (City), Mesa County (County) and the Engineer prior to the commencement of work. The Contractor shall acquire the required permits from the CDPHE, National Pollutant Discharge Elimination System (NPDES), the City, and County for his means and methods of dewatering considering all factors including the pretreatment/treatment of contaminated groundwater (see General Conditions). The direct discharge of untreated contaminated groundwater will not be allowed. Should excessive fine soils particles at any time during the dewatering process be observed, the dewatering shall be halted immediately and cannot resume until the unsatisfactory condition is remedied by the Contractor at no additional cost to the City and to the satisfaction of the Engineer.

- B. The Contractor shall coordinate the requirements of the dewatering plan with the requirements for the contaminated soils and contaminated groundwater found under General Conditions).
- C. Direct dewatering via subsurface wells without ground stabilization and watertight shoring installations to limit unregulated inflow of groundwater into the excavations require a detailed plan submitting to the engineer including calculations, methods and shop drawings indicating specific dewatering well points.
- D. The Contractor shall submit in his dewatering plan his methods to limit groundwater infiltration at all excavations via ground stabilization and/or watertight shoring. Ground Stabilization and watertight shoring systems shall limit groundwater infiltration into the excavation to less than 5 gallons per minute (GPM) from a single source such as the excavation wall or floor, or 10 GPM from all sources for any given 100 linear feet of excavation or confined pit area.
- E. Direct or indirect discharge of water from dewatering operations requires a Contractor application for discharge permit. The Contractor shall obtain and complete required documents from the City, County, NPDES, and the CDPHE. The Contractor shall allocate the proper amount of time in his Construction schedule for this process. Additionally, the Contractor must implement the following requirements:
 - 1. Discharge of on-site dewatering directly to the City is not permitted. Treated dewatering water may be discharged via sheet flow to Persigo Wash and monitored by the Contractor, as required, for TSS, VSS, BOD, Ammonia, Heavy Metals, Toxicity, Hydrocarbons, Tetrachloroethylene, and Indicator Bacteria to ensure compliance with the City, County, the CDPHE and NPDES permit effluent requirements.
 - 2. For all dewatering operations, each disposal point must have a flow meter to track the discharges. The Contractor shall submit weekly reports showing total amount of discharge at each point with meter readings and other data necessary to support the quantity reported.
- F. All dewatering operations that detect hazardous waste will require pre-treatment to remove the hazardous waste prior to discharge. Refer to General Conditions.
- G. All dewatering operations require the use of a desilting tank. The desilting tank shall be located in a safe and easily accessible location. The system used for desilting the water shall be a baffled structure and shall provide not less than 5 minutes detention time and have a "flow-through" velocity not exceeding 0.2 feet per second at the anticipated peak flow. The desilting box shall be cleaned as required to maintain the detention time and flow-through limitations specified above. The method of desilting and point of disposal of water shall be subject to the Engineer's approval.
- H. Discharge of water from dewatering operations into the Persigo Wash is governed by NPDES and the CDPHE. If the Contractor determines it is necessary to discharge storm water or groundwater, it must have a Storm Water Management Program (SWMP) and an NPDES permit issued by the CDPHE prior to the discharge, establish an appropriate monitoring program and subcontract a certified lab to run the required analyses at the Contractor's cost. The Contractor will notify the Engineer once permit coverage has been obtained and the discharge can commence. The Contractor is responsible for ensuring that all dewatering operations also comply with all local ordinances.

- I. The Contractor shall provide and maintain, at all times during construction, ample means and devices with which to promptly remove and properly dispose of all water from any source, including water migrating through the bedding of existing trunk sewers or any other existing utilities, entering the excavations or other parts of the work. Costs for dewatering of all water migrating through existing bedding materials as described above, shall be the Contractor's responsibility. Dewatering shall be accomplished by methods that will ensure a dry excavation and preserve the final lines and grades of the bottoms of excavations and adjacent paved surfaces or structures. For pipeline work the methods may include deep wells, well points, suitable rock or gravel placed below the required bedding for draining and pumping purposes, temporary pipelines, or other approved means. The proposed method shall be submitted to the Engineer for review and approval prior to excavation and installation of dewatering equipment.
- J. The Contractor shall make an independent investigation of the soil conditions to be dewatered. The dewatering plan shall be prepared specifically to accommodate soil materials and groundwater conditions of the site. The Contractor remains solely responsible for the dewatering rate that he assumes and is cautioned that groundwater fluctuates seasonally and during storm events, and at differing reaches of the project. A Geotechnical Report prepared by Huddleston Berry is attached to these specifications. See Appendix B for Geotechnical Boring Logs.
- K. No concrete footings or manhole bases shall be constructed in water, nor shall water be allowed to rise over them until the concrete or mortar has set at least 24 hours. Water shall not be allowed to rise unequally against walls until concrete has attained its 28-day strength. Water shall not be allowed to rise above pipe subgrade during pipe laying operations.
- L. The Contractor shall conduct survey settlement monitoring when existing surface features (I-70.) are located in the area of influence of the dewatering operations, creating a potential for settlement. The monitoring shall consist of elevation surveys of multiple points prior to start of dewatering, at reasonable time intervals during the dewatering operation, and at completion of dewatering. The Contractor shall utilize a land surveyor registered in the State of Colorado at the Contractor's expense. Any damage to new work, existing adjacent above and below ground structures, and pipes, due to settlement caused by dewatering activities or any failure of the dewatering system, shall be repaired to the satisfaction of the Engineer, at the Contractor's expense. The Contractor shall notify the Engineer immediately if settlement is recorded. Refer to Specification 02445 for monitoring details.
- M. Dewatering shall be accomplished in a manner that will prevent loss of fines from the foundation, will maintain stability of all excavated slopes and bottoms of excavations, and will permit construction operations to be performed in the dry. Dewatering of excavations shall be performed to the extent required to permit placement of fill materials with compaction in the dry, and to prevent sloughing of the excavation side slopes. If foundation soils are disturbed or loosened by the upward seepage of water or an uncontrolled flow of water, the affected areas shall be excavated and replaced with pipe bedding material at no cost to the City.
- N. Standby pumping equipment shall be on the job site. The standby equipment shall be of reasonable size and quantity to prevent damage, should pumping equipment fail.
- O. The Contractor shall dispose of the water from the work in a suitable manner without

damage to the staging areas, the project, and adjacent property. Conveyance of the water shall not interfere with traffic flow or the operation of the treatment facilities. No water shall be drained into work built or under construction without prior consent of the Engineer. With a permit issued the City, water may be disposed of in the Persigo Wash at a point acceptable to the Engineer.

- P. Upon completion of the dewatering and control of water operation, all temporary works and dewatering facilities shall be removed in a manner satisfactory to the Engineer.

PART 2 – PRODUCTS

Not Used.

PART 3 – EXECUTION

Not Used.

****END OF SECTION****