CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 2

DATE: **April 29, 2022**
FROM: **City of Grand Junction Purchasing Division**
TO: **All Offerors**
RE: **Tiara Rado Force-Main Replacement Project IFB-5066-22-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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. Can the City please extend the inquiry deadline for this project?

   A. The IFB Tentative Time Schedule has been update as follows:

IFB TENTATIVE TIME SCHEDULE:

Invitation for Bids available:	April 13, 2022
Mandatory Pre-Bid Meeting:	April 26, 2022
Pre-Qualification Application Deadline:	May 3, 2022
Inquiry deadline, no questions after this date:	May 3, 2022
Addendum Posted:	May 10, 2022
Submittal deadline for proposals (Bid Opening):	May 16, 2022
City Council & Board of Commissioners Approval:	June 1, 2022
Notice of Award & Contract execution:	June 2, 2022
Bonding & Insurance Cert. due:	June 16, 2022
Preconstruction meeting:	June 16, 2022
Work begins no later than:	August 1, 2022
All work in the active channel of the Colorado River shall be completed between	**Oct 15, 2022 - Feb 28, 2023**
Final Completion:	**236 Calendar Days** from Notice to Proceed

2. Q. What about wetlands? Does there need to be mitigations, and if so, can a line item be added to the Price Bid Schedule?

   A. Existing wetlands within the Colorado River floodplain and along the banks of the Colorado River and Persigo Wash were identified by the City's environmental consultant. It was determined that the impacts to these wetlands are minimal and temporary and as a result

mitigation of the wetlands are not required. To help minimize the impact to the existing wetlands, the City may require the Contractor to install temporary fencing around the existing wetlands to help minimize the impact of trenching and construction traffic. Upon completion of the project, the Contractor will be required to remove any temporary fills in their entirety and the affected areas shall be returned to pre-construction elevations. The affected areas must be revegetated.

3. Q. Concerning coffer dams, the south channel appears to be the main channel. Are we confined to the south channel easement? Would we have the opportunity to move the coffer dam upstream (east) to help divert the river water to the northern channel?

   A. *The City has reached out to the Colorado Parks & Wildlife (CPW) for an answer to this question. The City has not received an answer back from the CPW yet. This question will be addressed in Addendum #3 that will be issued later.*

4. Q. What does the City want for pressure testing the new 12" HDPE force-main pipe for final acceptance?

   A. *The City is requiring that all force-main pipe that will be encased in concrete successfully pass a pressure test, per City specifications, prior to concrete encasement. When the Contractor has completed 100% of the new 12" Fusible HDPE force-main pipe, and prior to abandoning the existing force-main pipe, the Contractor shall pass a final pressure test of the entire new force-main pipe.*

5. Q. What does the City want to do with the existing force-main to be abandoned? If flushed, how clean do you want to see it?

   A. *Ultimately, it's the Contractor's responsibility to determine what they believe to be the most effective means and methods for flushing out the old force-main pipe. The Contractor may need to consider flushing smaller segments of the old force-main pipe rather than trying to flush out the entire force-main. The City Project Engineer believes using hydraulic head to flush out the old force-main pipe will be the most effective approach. The existing force-main pipe is 12" D.I. pipe. The City will consider flushing operations complete when the effluent water coming out of the discharge end of the old force-main pipe appears to be clean and clear water. No disinfection of the old force-main pipe is necessary.*

6. Q. Will a dewatering pond be required on the northside of the Colorado River? The construction plans show a dewatering pond on the southside of the river, but not on the northside of the river.

   A. *Yes, a dewatering pond will be required on both the northside and southside of the Colorado River.*

7. Q. Will dewatering and dewatering ponds be needed on Persigo WWTP property?

   A. *Refer to the geotechnical report for soil characteristics in boreholes B-1 and B-2. The City does not anticipate dewatering and dewatering ponds being needed on the Persigo WWTP property.*

8. Q. Concerning the existing 48" RCP effluent pipe in the Persigo WWTP that needs to be crossed with the new force-main pipe at Station 31+77; will the City allow the contractor to remove a section of the 48" RCP pipe to allow easier installation of the new 12" HDPE pipe and then re-install the section of 48" RCP pipe vs. protect in place as shown in the plans?

A. *Yes, the City will allow a section of the existing 48" RCP pipe to be removed for installation of the new 12" HDPE force-main pipe. However, the City will provide the Contractor with a concrete collar design that the Contractor will be required to construct at no cost to the Project. The cost to remove the pipe, reinstall the pipe, install concrete collars and steel reinforcement will not be paid for separately but shall be included in the cost of the Project. The minimum concrete collar width shall be 24-inches and the minimum thickness shall be 6-inches. If the Contractor damages the existing 48" RCP pipe during removal and/or installation, the Contractor shall replace the damaged pipe with new 48" RCP pipe at no expense to the City.*

9. Q. Will the City pay for haul roads and any temporary improvements for access to and from the Colorado River?

A. *Any haul roads, improvements made to existing haul roads, and temporary fills for haul roads will not be paid for separately but shall be included in the total cost of the Project. The Contractor will be required to reclaim any haul roads used and remove any temporary fills and restore the ground elevations back to pre-construction conditions.*

10. Q. Will de-burring be required for the HDPE pipe?

A. *De-burring of the HDPE pipe is not required.*

11. Q. Are DI fittings required to be P401 coated?

A. *At a minimum, all DI fittings shall be coated inside and outside with fusion bonded epoxy coatings conforming to the requirements of ANSI/AWWA C116/A21.16. At this time, the DI fittings are not required to be coated with Protecto 401 (P401). It appears the Protecto 401 Ceramic Epoxy coating would be an acceptable substitute for an interior protective coating on DI fittings. If the Contractor wishes to submit more specific information on using the Protecto 401 ceramic epoxy on the DI fittings during the submittal stage of the Project that is an option that the City will consider.*

12. Q. Do you have a better detail for the connection to the existing lift station discharge pipe? It's hard to tell how everything will go together, are you connecting the 90 and 45 together? What connection type is needed on the 90 for connecting to the existing or are we connecting to HDPE pipe with a coupling? The only long radius DI fitting is a FLGxFLG 90, no long radius 45.

A. *The only information the City has on the existing Tiara Rado lift station's discharge piping are from the original construction plans which are shown on sheet CD2.1. The City does not have as-built photos or a set of as-built construction plans that highlight exactly how the discharge piping is put together.*

The City's suggestion for the Bidder's to consider is for the Contractor to carefully excavate down to the existing discharge piping to see how the pipe is put together. The pipe may be in a concrete encasement. The only way to determine exactly how the new HDPE fittings and pipe will connect to the existing discharge piping is for the Contractor to expose the existing discharge pipe and determine what will be required to connect into the existing discharge pipe.

Without seeing how the existing discharge pipe is put together the City can't easily answer the question on exactly how the new 90-degree elbow will connect to the existing piping. There's a good chance there will be a flanged fitting where the existing discharge pipe connects into the

existing elbow. The City believes the new 90-degree elbow will need to be a FL x FL fitting and the new HDPE coupling will also need to be a FL x FL fitting. There's a chance the HDPE coupling as called out in the plans may not be needed. There a chance the new 45-degree elbow can connect directly to the 90-degree elbow. Decisions will need to be made in the field once the Contractor exposes the existing discharge piping.

13. Q. Do you have a spec for the magmeter?

    A. Specifications for the Magnetic Flowmeter can be found in Section 16900 – Instrumentation and Controls.

14. Q. Test station detail on page CD2.0 shows what I think is CI valve box assembly, but the specs say to install actual test stations like a "Glen-4 box"? Detail also says max space of 500ft, the spacing north of the river is more than 500-ft per box?

    A. Refer to Specification Section 02530 – Sanitary Sewerage System, Part 2, subsection 2.5 – Pipe Accessories, Section C for information on test station manufacturers. The typical CI valve box assembly used on waterline valves will not be accepted. Make sure box lid is labeled "SEWER". A concrete collar will be required as shown in the detail on sheet CD2.0.

    The Contractor will be required to install the test stations at the locations shown on the construction plans even though the distances are greater than 500-ft. Per the construction plans, there are a total of five (5) test stations to be provided and installed.

15. Q. Tracer tape is noted in the specs but not on the plans, only shows tracer wire detail 4 on sheet CD2.1?

    A. Tracer wire information can be found in specification Section 02530 – Sanitary Sewerage System, Part 2, subsection 2.5 – Pipe Accessories, Section B. The tracer wire shall be taped to the HDPE pipe at 10-ft max. spacing. Tracing wire shall be used on the new HDPE pipe and shall comply with Section 102.8i within the City of Grand Junction's Standard Specifications for the Construction of Underground Utilities.

16. Q. Do the trees and brush that are cutdown for the clearing and grubbing need to be removed from the construction site or can this material be chipped and left of the ground?

    A. *The City has reached out to the Colorado Parks & Wildlife (CPW) for an answer to this question. The City has not received an answer back from the CPW yet. This question will be addressed in Addendum #3 that will be issued later.*

17. Attached to Addendum #2 is an updated Bid Schedule that replaces the original bid schedule. The following bid item has been added to the Bid Schedule:

    - Abandon Existing 12" D.I. Force-main Pipe (Abandon existing force-main pipe within CDOT right-of-way with Cellular Grout or a Sand Slurry grout with a minimum compressive strength of 300 psi) (Estimated length of pipe to be abandoned with grout is 450 LF) (Force-main pipe shall be drained of wastewater prior to grout installation) (Complete in Place)

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

Bid Schedule: Tiara Rado Force Main Replacement Project

ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	108.2	15" Gravity Sewer Pipe (SDR-35 PVC) (Includes Type A bedding and haunching material and connection to existing sewer pipe)	10.	Lin. Ft.	$ _____	$ _____
2	108.5	Sanitary Sewer Basic Manhole (60" I.D.) (Includes exterior manhole waterproofing per Section 102.11, HDPE grade rings, MH-310-24 CI ring and cover, and concrete collar in unpaved areas per City Std. Detail SS-05)	1.	Each	$ _____	$ _____
3	108.5	Manhole Barrel Section (D>5') (60" I.D.) (Includes exterior manhole waterproofing)	2.5	Vert. Ft.	$ _____	$ _____
4	108.7	Granular Stabilization Material (Type B) (18" Thick Min.) (Includes haul and disposal of unsuitable excavated material) (Assumed Unit Weight = 136 lbs/cu.ft.)	250.	Ton	$ _____	$ _____
5	201	Clearing and Grubbing	1.	Lump Sum	- - -	$ _____
6	202	Removal of Concrete	34.	Sq. Yd.	$ _____	$ _____
7	202	Removal of Manhole (Sewer)	1.	Each	$ _____	$ _____
8	202	Removal of Pipe	50.	Lin. Ft.	$ _____	$ _____
9	202	Removal of Fence (8' High Chain-Link) (Perimeter fence around Tiara Rado Lift Station)	110.	Lin. Ft.	$ _____	$ _____
10	202	Abandon Pipe (Abandon pipe by plugging ends of pipe with concrete)	6.	Each	$ _____	$ _____
11	203	Embankment Material (Complete in Place) (Additional placement and grading of embankment material at Tiara Rado lift station site to accommodate extension of new 8-ft high chain-link fence alignment for vehicle turn-around) (Use excess on-site material to grade the turn-around area level with the existing grades of the lift station site)	265.	Cu. Yd.	$ _____	$ _____
12	206	Structure Backfill (Flow-Fill)	125.	Cu. Yd.	$ _____	$ _____
13	207/ 02300	Topsoil	220.	Cu. Yd.	$ _____	$ _____
14	207/ 02300	Stockpile Topsoil	220.	Cu. Yd.	$ _____	$ _____
15	208/ 02370	Silt Fence	400.	Lin. Ft.	$ _____	$ _____

Bid Schedule: Tiara Rado Force Main Replacement Project

ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
16	208/ 02370	Erosion Log (Type 1) (12 Inch) (Sediment Control Log)	2,000.	Lin. Ft.	$ _____	$ _____
17	208/ 02370	Soil Lifts (3' High) (Includes Soil Retention Blanket, Topsoil, Fill, Stakes/Staples) (See Detail 4 on Sheet CE1.4)	250.	Lin. Ft.	$ _____	$ _____
18	208/ 02370	Temporary Berms (Compacted Earth Berms)	8,450.	Lin. Ft.	$ _____	$ _____
19	208/ 02370	Sediment Basin (Dewatering Pond)	2.	Each	$ _____	$ _____
20	208/ 02370	Concrete Washout Structure	2.	Each	$ _____	$ _____
21	208/ 02370	Vehicle Tracking Pad	2.	Each	$ _____	$ _____
22	208/ 02370	Erosion Control Management (ECM)	1.	Lump Sum	- - -	$ _____
23	209	Dust Abatment (Water Application)	30.	Day	$ _____	$ _____
24	210	Reset Fence (Ex. Wire Fence) (Wire fence located along pedestrian pathway, CDOT right-of-way, and River Road)	80.	Lin. Ft.	$ _____	$ _____
25	210	Reset Fence (Ex. 6-ft Chain-Link Fence with Barbed Wire Top) (Persigo WWTP perimeter chain-link fence)	100.	Lin. Ft.	$ _____	$ _____
26	210	Reset Double Gate (8-ft High Chain-Link fence gate at lift station)	1.	Each	$ _____	$ _____
27	212	Seeding (Native)	6.	Acre	$ _____	$ _____
28	212	Soil Conditioning	6.	Acre	$ _____	$ _____
29	213	Mulching (Straw Mechanically Crimped)	6.	Acre	$ _____	$ _____
30	213	Mulch Tackifier	1,200.	Pound	$ _____	$ _____
31	214	Landscape Maintenance (One-Year from Landscape Completion)	1.	Lump Sum	- - -	$ _____
32	216	Soil Retention Blanket (Coconut) (Slope Protection) (As Deemed Necessary)	190.	Sq. Yd.	$ _____	$ _____
33	304	Aggregate Base Course (Class 6) (8" Thick)	40.	Sq. Yd.	$ _____	$ _____
34	607	Fencing (Temporary Construction Fencing)	650.	Lin. Ft.	$ _____	$ _____

Bid Schedule: Tiara Rado Force Main Replacement Project
ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
35	607	Fence (8' High) (Chain-Link) (Top Rail with 10-ft Line Post Spacing) (Tiara Rado Lift Station)	216.	Lin. Ft.	$ _____	$ _____
36	608	Concrete Pathway (Class D, 4,500 psi Mix) (6" Thick x 10' Wide)	34.	Sq. Yd.	$ _____	$ _____
37	620	Portable Sanitary Facility	2.	Each	$ _____	$ _____
38	625	Construction Surveying	1.	Lump Sum	- - -	$ _____
39	626	Mobilization	1.	Lump Sum	- - -	$ _____
40	630	Concrete Barrier (Temporary) (To be used within CDOT right-of-way for protection in the highway median) (As Contractor Deems Necessary)	140.	Lin. Ft.	$ _____	$ _____
41	630	Traffic Control Plan(s) (Includes TCP's for both CDOT rights-of-way and Pedestrian Pathway)	1.	Lump Sum	- - -	$ _____
42	630	Traffic Control (Complete in Place) (Includes traffic control for CDOT right-of-way and traffic control for the pedestrian pathway) (All Traffic Control shall meet CDOT Standard Requirements and Details for Highway Construction)	1.	Lump Sum	- - -	$ _____
43	01200/ 02300	Dewatering	1.	Lump Sum	- - -	$ _____
44	01200	Potholing Utilities	9.	Each	$ _____	$ _____
45	01200	Persigo Wash Temporary Crossing	1.	Lump Sum	- - -	$ _____
46	01200	Persigo Wash Temporary Diversion	1.	Lump Sum	- - -	$ _____
47	01200	Coffer Dam (Colorado River) (Includes construction of two separate Coffer Dam systems for crossing Colorado River channel)	1.	Lump Sum	- - -	$ _____
48	01200/ 02300	Rock Excavation (Includes hauling and disposal of excavated rock material)	800.	Cu. Yd.	$ _____	$ _____
49	01200	12" Fusible HDPE Pipe (SDR-17) (Includes all necessary HDPE Fusible Fittings)	4,845.	Lin. Ft.	$ _____	$ _____
50	01200	Concrete Encasement (Single Pipe) (3,000 psi) (Includes Steel Reinforcement and Dobies)	958.	Lin. Ft.	$ _____	$ _____
51	01200	Concrete Encasement (Dual Pipe) (3,000 psi) (Includes Steel Reinforcement and Dobies)	1,066.	Lin. Ft.	$ _____	$ _____

Bid Schedule: Tiara Rado Force Main Replacement Project

ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
52	01200/ 09900	Manhole Corrosion Protection (100 mils DFT) (Includes Holiday Testing)	7.5	Vert. Ft.	$ _____	$ _____
53	01200	Connection to Lift Station	1.	Lump Sum	- - -	$ _____
54	01200/ 16900	Flow Metering Manhole	1.	Lump Sum	- - -	$ _____
55	SC	Tiara Rado Lift Station Influent Flows (Vactor trucks used to handle flows into the Tiara Rado lift station wet well during the installation of the temporary force-main piping at Station 47+77, and during final force-main connection into lift stations discharge pipe) (Includes all equipment, fuel, power, trucks, and labor to successfully handle the influent flows and dispose of the wastewater at the Persigo WWTP) (Average inflow into the Tiara Rado wet well is about 0.3 MGD or 210 GPM) (See Special Condition 3.3.38)	1.	Lump Sum	- - -	$ _____
56	SC	Flush Out Existing Force Main Pipe of Wastewater and Dispose of Wastewater at Persigo WWTP (Existing 12" D.I. Pipe)	1.	Lump Sum	- - -	$ _____
57	SC	Temporary Force-Main Bypass Piping (Includes all restrained piping, solid sleeve restrained couplings, connection into existing 12" ductile iron force-main pipe, and connection into existing 15" PVC gravity sewer line at Station 47+77) (Complete in Place)	1.	Lump Sum	- - -	$ _____
58	SC	Abandon Existing 12" D.I. Force-main Pipe (Abandon existing force-main pipe within CDOT right-of-way with Cellular Grout or a Sand Slurry Grout with a minimum compressive strength of 300 psi) (Estimated length of pipe to be abandoned with grout is 450 LF) (Force-main pipe shall be drained of wastewater prior to grout installation) (Complete in Place)	1.	Lump Sum	- - -	$ _____
MCR		Minor Contract Revisions	- - -	- - -	- - -	$ 200,000.00
				Bid Amount:		**$** _____

Bid Amount:

_____ **dollars**

Bid Schedule: Tiara Rado Force Main Replacement Project

ADDENDUM #2

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price

Contractor Name:
Contractor Address:
Contractor Phone #: