



Purchasing Division

ADDENDUM NO. 3

DATE: March 6, 2019
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Raw Water Irrigation Supply and Waterline Replacement IFB-4611-19-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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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. There are items on the Potable Water plans that are on the Raw water part of the bid, and vice versa. Some gate valves are separated on the bid and some are to be included in other bid items? Page C2.22 there's a 4x2 tee (top left corner), pipe says 4" but connect to 2" meter? Page C1.1 has a 10" service line noted, no bid item for it, just a 10" gv, but on that line there's a note that says existing 8" line?

A. An updated price bid schedule is included with this addendum. Contractor shall utilize this updated price bid schedule when submitting their bid response.

2. Q. Is AC line that runs down Canon Avenue private or public?

A. Public

3. Q. Please provide lineal feet for AC pipe removal.

A. Approximately 4,800LF of AC pipe.

4. Q. Can a substitute be made for HDPE vs PVC?

A. Please bid as specified with PVC. The City will consider alternative materials on a case by case basis as submitted by the selected contractor.

5. Q. Irrigation line at Las Colonias, does line get drained annually?

A. It is anticipated that the line will be partially drained annually.

6. City will supply the meters, but installation is the responsibility of the Contractor.

A. Correct.

7. Q. What about tear tests on liner?

A. D624 – Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers

8. Q. Section 3.3.11 Contractor shall provide pull boxes for fiber optic?

A. Contractor shall procure and install pull boxes for fiber optic according to specifications in project plans.

9. Q. Bid schedule asphalt cutting sqft?

A. Bid Items Numbers 39 and 40 should be in SY

10. Q. Crossing at 5th Street bridge pipe and bell discrepancies? Is it supposed to be a casing pipe?

A. Yes, see revised bid schedule.

11. Q. What is the thickness of existing path replacement?

A. The thickness of the existing path is 6".

12. Q. Potable Water-

Bid #36 says 7 services but I count 10 in the plans.

What type of pipe is existing for the 24" Orchard Mesa Line, page C1.0?

What type of PVC pipe is existing for all the re-connections, sch40 or PIP...different type of fittings.

A. Item 36 – 10 is correct for $\frac{3}{4}$ " Water Services.

The existing 24" Orchard Mesa line is cast iron.

C900 is required in specified pressure classes as noted in the plans.

13. Q. Irrigation-

No bid item for the connection to the 8" cemetery line, page C2.6. Type of existing pipe?

Item #8- what type of pipe for existing services and size...copper, PE, galvanized? Are the contractors to cut service line and cap, or cap at the saddle?

Please provide more details or clarify items 15-18. Not sure where these are in the plans? My guesses-

1- 12" C2-14 to Riverside Pkwy – *1 is correct.*

1- 6" C2-7. I see no other 6" services, bid says 3 total. - *2 is correct.*

1- 4" C2-7 I see no other 4" services, bid says 4 total. – *2 is correct.*

3- 2" C2-15, C2-16, C2-22.

A. Generally, $\frac{3}{4}$ " to 2" services are copper and can be abandoned by closing corp stop and cutting pipe. For services larger than 2 inches, the valve must be removed (salvage to City) and the pipe stub plugged or capped. Contractor will be responsible for verifying material and size of each line. Refer to updated bid schedule.

14. Q. Potable-

Item #34, 6" serv....bid says 3, plans show 2....page C1.3 & C1.4

A. 2 – 6" Water Service Connections is correct.

15. Q. Irrigation-

Job specs says to use threaded vlv boxes w/160 bottoms. GJ spec is slip vlv boxes?

Item #20, 12" GV...bid says 2, plans show 1.... page C2.14

Item #22, 6" GV...bid says 3, plans show 2.... page C2.7 & C2.20

Item #25, blowoff...bid says 3, plans show 2....page C2.10 & C2.15

A. Item #20 – 1 is correct.

Item #22 – 2 is correct

Item #25 – 2 is correct

16. Q. I am putting together a sub bid for this project to handle the bridge utility installation. One of the things that struck me as odd is that there is no call out for any of the utility supports to be galvanized or coated. We've been hanging utilities on bridges for nearly 20 years and hanging raw steel on a bridge is unusual. Doesn't matter to us if that is the case with this one, I just did not want to quote it incorrectly.

A. Bare metal will not be acceptable. Contractor shall provide material that is protected, such as galvanized or coated.

17. Q. The detail for the wall penetration on the reservoir tie-ins appears to show the configuration for Reservoir 4 with a vertical concrete wall. Reservoir 3 has a 1.75:1 sloped concrete lining. This sloped configuration adds additional complexity to the tie-in as the detail shown for the vertical wall will not work. Could we get a clarification on how the tie-in to Reservoir 3 should be constructed? Also, we would like to know the thickness of the existing concrete liner and possible rebar layout. For constructability, the liner may have to be removed and replaced due to the sloping angle.

A. Penetration shall be completed before liner is installed.

18. Q. On the north side of the existing meter vault, it appears the existing 24" line that will be converted to irrigation is in conflict with the connection to the new potable water line where the Orchard Mesa line will reconnect. This is due to both lines appearing to be at the same elevation. The Profile drawing on page C2.3 shows the Orchard Mesa line running under the existing 24" line. Due to the limited separation between the existing 24" line and the new 24" line, how is this connection to be made?

A. 16-inch waterline north of the vault is to be abandoned or removed as necessary. When cut, remaining ends must be capped or plugged.

19. Q. The project noted above calls for 550 LF of 12" DR25 Fusible PVC® pipe for a horizontal directional drill installation. We have 12" DR18 – one pressure class higher than DR25 – in stock here in Colorado and I believe it will cost more to ship in the lower pressure class DR25 from an alternate stocking location. Would the City allow 12" DR18 Fusible PVC® pipe in place of 12" DR25?

A. A higher pressure rating C900 pipe would be acceptable if the availability means the cost is lower.

20. Q. Can fusible HDPE Pipe be used for the length of irrigation between 26 ¼ Road and Duck Pond Park in lieu of Fusible PVC Pipe.

A. Refer to Question 4 of this addendum.

21. Q. The 4" PVC pipe listed in the bore for the Botanical Gardens does not give specification and can HDPE be used.

A. Refer to Question 4 of this addendum.

22. Q. Can the 4" fiber optic line share with the 12" irrigation line inside the existing 24' concrete pipe or will it have to be bored.

A. The fiber optic conduit should be 2" and the intent is that it share with the 12" irrigation line within the 24" concrete pipe.

23. Q. Where utility conflicts exist, and city specifications call for steel casing, will that scope of work be bid or determined on a case by case basis.

A. City Specification will govern. Generally casing is only required for sewer conflicts with water lines. If sewer crosses below water line, a concrete cap is acceptable. If water crosses below sewer, steel or concrete encasement is required.

24. Q. It appears there are several gas utility crossings on provided drawings. Have any additional potholes been conducted to verify conflict?

A. Potholing info will be provided.

25. Q. The bid schedule does not list "Valve adjustment" in asphalt paving repair. Are these "Incidental" or should they be included in the bid.

A. Incidental.

26. Q. Details for the abutment penetration show steel casing 14" and 10" dia PVC. This will cause issue with flange.

A. Refer to Question 10.

27. Q. On 26 ¼ Road the limit of excavation is expected to be approximately the center line of road. Can compacted backfill or steel plates be used for overnight traffic.

A. Either option will be acceptable to the City. If plates are used, they must be inset and level with the top surface of adjacent asphalt.

28. Q. Where irrigation line and water line are in conflict, how would the city instruct the installation. With deflection or depression.

A. Construction irrigation line lowering per City specification/standard.

29. Q. The drawings call out for 2.5% deflection in PVC joints. Most manufactures will void warranty if deflected at joints. Will bends added where deflection in barrel are not achievable.

A. Deflection shall be in accordance with manufacturer recommendations and can be accomplished over multiple lengths of pipe.

30. Q. Page C1.3- the Ute Water line appears to be in direct conflict. Will a water lowering be needed?

A. Assume a lowering to maintain minimum separation between pipes.

31. Q. City spec. for pipe over 16" in diameter calls out C905, DR25. Will the current C900 PVC change.

A. All C905 pipe is now classified C900. City specifications have not been updated to reflect this change in industry standard.

32. Q. Asphalt patch back shows 3335 SY and SF in the bid schedule.

A. Refer to Question 9: Should be SY for asphalt paving.

33. Q. Asphalt patch back of 3335 SY indicates maximum trench width of 5'. 6' trench boxes are current industry standard and will increase total quantity.

A. Bid as stated.

34. Q. City spec. calls for Type K copper for potable water services 2" and under. Will the current bid schedule change from SCH 80 PVC.

A. See updated bid schedule.

35. Q. Will a PLS be required for "As-Built" drawings if electronic files are produced during the project.

A. PLS is not required assuming specification in IFB Section 3.3.31 can be met.

36. Q. At Res. 3, are the lengths of the inlet/outlet pipes known and approximate weight of each.

A. Protruding lengths vary. Weights are not known.

37. Q. Can the contractor open trench the connections to both reservoirs as well as remove and replace concrete panels if required.

A. No concrete panels shall be removed, coring from the inside to outside is the preferred method.

38. Q. Can contractor build an earthen berm into Res. 3 to gain access with equipment for repairs and liner installation?

A. Yes, provided that the contractor removes any material that can impede the liner installation.

39. Q. Impact to trees is inevitable during the installation of irrigation north of 26 ¼ Road. Will there be an additional item in the bid schedule for removal or mitigation and replacement.

A. Yes – Refer to revised bid schedule.

40. Q. The fiber optic pull box at STA: 57+05 shows installation in the flow line of a drainage swale.

A. Noted – will be evaluated in the field.

41. Q. The fiber optic box at the SW corner of Canon and Grand Mesa is in a gravel parking area. Will that box need concrete collaring and be traffic rated.

A. All pull boxes are specified as traffic rated.

42. Q. The fiber optic boxes west of HWY 50 and north of Grand Mesa to the bridge appear to fall in line with the existing concrete sidewalk. Will those need to be poured in place with new concrete walk (Remove and Replace).

A. Yes – these boxes will need to be poured in place.

43. Q. There are two areas listed in the bid tab for landscape repair, but Duck Pond Park has none. Will that be added to the bid schedule.

A. Refer revised bid schedule.

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 (Revised per Addendum 3): Raw Water Irrigation Supply and Waterline Replacement

Item No.	(Div. No.)	Description	Quantity	Units	Unit Price	Total Price
Raw Water Irrigation Supply						
1	103	Flowable Fill (in CDOT ROW)	80.	CY	\$ _____	\$ _____
2	608	Concrete Path Repair	100.	SY	\$ _____	\$ _____
3	608	AC Pipe Removal and Disposal	Lump Sum		---	\$ _____
4	SP	Reservoir Connection	2.	EA	\$ _____	\$ _____
5	SP	Boring - Botanical Garden Lateral	330.	LF	\$ _____	\$ _____
6	SP	5th Street Bridge Abutment Penetration	Lump Sum		---	\$ _____
7	SP	5th Street Bridge Waterline Installation	Lump Sum		---	\$ _____
8	104/108	24" Existing Waterline Modification (2" and smaller) (Service Disconnections and Cap)	11.	EA	\$ _____	\$ _____
9	104/108	24" Existing Waterline Modification (greater than 2") (Service Disconnections and Cap)	6.	EA	\$ _____	\$ _____
10	104/108	Raw Water Main (16") (C900 PVC, DR-25)	1,750.	LF	\$ _____	\$ _____
11	104/108	Raw Water Main (12") (C900 PVC, DR-25)	6,000.	LF	\$ _____	\$ _____
12	104/108	Raw Water Main (12") (C900 Fusible PVC, DR-25) - Slipline at Hwy 50	550.	LF	\$ _____	\$ _____
13	104/108	Raw Water Main (10") (C900 PVC, DR-25) - Bridge Crossing	700.	LF	\$ _____	\$ _____
14	104/108	Raw Water Lateral (4") (C900 PVC, DR-25) - Las Colonias	570.	LF	\$ _____	\$ _____
15	104/108	Raw Water Lateral (4") (C900 PVC, DR-25) - Botanical Gardens	1,560.	LF	\$ _____	\$ _____
16	104/108	Raw Water Service (12") (C900 DR-18) (Includes all fittings and connections, including water meter and vault, required to tie into existing irrigation system)	1.	EA	\$ _____	\$ _____
17	104/108	Raw Water Service (6") (C900 DR-18) (Includes all fittings and connections, including water meter and vault, required to tie into existing irrigation system)	2.	EA	\$ _____	\$ _____
18	104/108	Raw Water Service (4") (C900 DR-18) (Includes all fittings and connections, including water meter and vault, required to tie into existing irrigation system)	2.	EA	\$ _____	\$ _____
19	104/108	Raw Water Service (2") (Schedule 80 PVC) (Includes all fittings and connections, including water meter and vault, required to tie into existing irrigation system)	3.	EA	\$ _____	\$ _____
20	104/108	Butterfly Valve (16")	3.	EA	\$ _____	\$ _____
21	104/108	Butterfly Valve (12")	1.	EA	\$ _____	\$ _____
22	104/108	Butterfly Valve (10")	1.	EA	\$ _____	\$ _____
23	104/108	Gate Valve (6")	2.	EA	\$ _____	\$ _____
24	104/108	Gate valve (4")	3.	EA	\$ _____	\$ _____
25	104/108	Dewatering	Lump Sum		---	\$ _____

Bid Schedule (Revised per Addendum 3): Raw Water Irrigation Supply and Waterline Replacement

Item No.	(Div. No.)	Description	Quantity	Units	Unit Price	Total Price
26	104/108	Blow-Off Valve	2.	EA	\$ _____	\$ _____
27	104/108	Combination Air Valve and Vault Assembly (6") (Includes Bedding material, flanged butterfly valve w/ 90 deg angle nut, air valve, 60" concrete vault, frost proof ring and cover, galvanized vent pipe, and all necessary fittings to complete assembly)	3.	EA	\$ _____	\$ _____
28		Fiber Conduit (2") (Schedule 80 PVC)	8,500.	LF	\$ _____	\$ _____
29		Pull Box	15.	EA	\$ _____	\$ _____
30		Pull Box (Poured In Place)	2.	EA	\$ _____	\$ _____
31	SP	Landscape Repair - Pollinator Garden		Lump Sum	---	\$ _____
32	SP	Landscape Repair - Las Colonias Phase I		Lump Sum	---	\$ _____
33	SP	Landscape Repair - Duck Pond Park		Lump Sum	---	\$ _____
Potable Waterline Replacement						
34	104/108	Water Main (24") (C900 PVC, DR-25)	3,600.	LF	\$ _____	\$ _____
35	104/108	Water Service (10") (C900 PVC, DR-18)	1.	EA	\$ _____	\$ _____
36	104/108	Water Service (8") (C900 PVC, DR-18)	1.	EA	\$ _____	\$ _____
37	104/108	Water Service (6") (C900 PVC, DR-18)	2.	EA	\$ _____	\$ _____
38	104/108	Water Service (2") (Copper w/Corp Stop)	1.	EA	\$ _____	\$ _____
39	104/108	Water Service (3/4") (Copper w/Corp Stop)	10.	EA	\$ _____	\$ _____
40	104/108	Butterfly Valve (24")	2.	EA	\$ _____	\$ _____
41	104/108	Fire Hydrant Assembly w/GV and Tee to Main	2.	EA	\$ _____	\$ _____
General Conditions and Sitework						
42	202	Asphalt Cutting and Removal	3,340.	SY	\$ _____	\$ _____
43	401	Hot Bituminous Pavement (Patching) (Grading SX, PG 64-22) (GYR.=75)	3,340.	SY	\$ _____	\$ _____
44	SP	Meter Vault Modification and Connection	2.	EA	\$ _____	\$ _____
45	212	Seeding		Lump Sum	---	\$ _____
46	620	Sanitary Facility		Lump Sum	---	\$ _____
47	625	Construction Surveying		Lump Sum	---	\$ _____
48	625	As-Built Documentation		Lump Sum	---	\$ _____
49	626	Mobilization/Demobilization		Lump Sum	---	\$ _____
50	630	Traffic Control (Complete in Place)		Lump Sum	---	\$ _____
Bid Amount:						\$ _____

Bid Amount:

dollars