



Purchasing Division

ADDENDUM NO. 1

DATE: April 5, 2023
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Upper Kannah Creek Waterline Replacement Project IFB-5216-23-DD

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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.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. Question:** Page C3.10 Calls out for 10ft of 2" HDPE SDR11. Is this correct fusion HDPE pipe and fittings and not pure-core, copper, or PVC?
Answer: Pure-Core CST is acceptable.
- 2. Question:** The specs (3.3.13) says the City is supplying the 18" cap w/2" which I assume is included in Item #13, but there's also a bid schedule item #19 for an 18" cap (page C4.0) which doesn't note it as install only, so is the City supplying both caps?
Answer: Pending equipment inventory
- 3. Question:** Item 27, CDOT City Reg. 203 Is the rock / boulder excavation in creek area only?
Answer: Rock/boulders may be encountered anywhere on the Project, but are most likely in the vicinity of creek/drainage crossings
- 4. Question:** Where will the grubbing and excess dirt go?
Answer: Grubbing and excess materials may be stockpiled at the Juniata Reservoir storage site located at the public parking access on Purdy Mesa Road. Coordination with Water Department staff is required to access this facility.
- 5. Question:** What is the pressure of the existing waterline?
Answer: It is assumed that the pressure can be as high as 145 psi based on the elevation difference from the neat the stream intake, approximately 6130', to the lowest elevation on the waterline near Purdy Mesa Road, 5797'. The pressure will be less as the elevation increases towards the intake. The existing waterline will be taken offline and be emptied before construction starts.
- 6. Question:** Where will all the pipe be delivered to/staged?

- Answer:** Pending permission from the Water Supply Supervisor, pipe may be staged at 10001 Kannah Creek Rd, the Kannah Creek Park on Kannah Creek Road, or the Juniata Reservoir Facility on Purdy Mesa Road.
7. **Question:** What is the required pressure test?
Answer: Refer to Standard City Contract Documents for pressure testing requirements.
8. **Question:** Where does all the dug-up pipe go?
Answer: Pipe removed may be stockpiled at Juniata Reservoir Facility on Purdy Mesa Road
9. **Question:** Can the project start when the conditions are favorable? What is the drop-dead date for completion?
Answer: The City can be flexible with Notice to Proceed date to accommodate favorable field conditions and avoid runoff.
10. **Question:** For Line Items 8 & 9, Excavation Elevations, explain engineered crossing.
Answer: The Contractor shall provide prior to work within the engineered crossing area a detailed plan for the crossing creek including the proposed method for temporarily diverting the creek flows, the necessary precautions that will be taken to stabilize the work area during construction to minimize erosion and reestablish the bed and banks, and a temporary creek crossing detail. A timeline for the crossing work shall also be provided.
11. **Question:** On the bid schedule for Upper Kannah Creek Flowline Replacement, line items 10, 11, 12 in reference to pipe quantities, you have a total of all three-line items adding up to 15,720 ft. Measuring out the pipe we know we are closer to 11,000ft. It looks like the amount of pipe for item number 12 is correct. But line items 10 and 11 seem to be high. Please let me know if adjustments need to be made to the quantity of pipe on the bid schedule.
Answer: The quantities were mis-counted, Item 10=1070 lf, Item 11=6130 lf, Item 12=3440 lf. See attached updated bid schedule.
12. **Question:** I don't see anything about tracing, either wire or tape, for the pipe install. Is this going to be required, and if so, please provide the spec.
Answer: Tracing wire is required for and incidental to all pipe installation per Standard City Contract Documents.
13. **Question:** Spec Section 02920 SEEDING: In Section 3.4, Paragraph B, it says to seed "between either March 1st to May 30th of the calendar year of construction unless indicated otherwise by Engineer." Now, with the flows, in the creek not subsiding until later in the year and it was said in the pre-bid meeting that the GC could start the project later in the year, after July 1st and if the Engineer indicates that is ok to seed the project site later in the year, what will change in this spec section? Seed type, pounds per acre, seeding methods, etc. Or would the GC have to wait until the following spring to apply the seeding?
Answer: Hydroseeding is acceptable in the fall months, August 1 until consistent ground freeze.
14. **Question:** Spec Section 02920 SEEDING: Also in Section 3.4, Paragraph C.4 Drilling, it says to "saturate to four inches of soil depth." This seems like a bit much and could be difficult

to do, as well as be costly to the City. Is there an alternative to the 4-inch depth of saturation?

Answer: If using drilling method, 4" of saturation is required to provide adequate growing conditions.

15. Question: Spec Section 02920 SEEDING: Also, in section 3.4 paragraph D.1 Hydroseeding, it says the rate should be "160 lbs of live seed per 1000 SF...", that would be almost 6970 lbs per acre. This is an astronomical number when it comes to seeding. Drill seeding is 20 lbs per acre, is this 160 lbs per acre correct?

Answer: 20lbs of live seed per acre for hydroseeding.

16. Question: Spec Section 02920 SEEDING: What is the maximum slope of the terrain before Hydroseeding is required?

Answer: Maximum slope is 2.5:1.

17. Question: Spec Section 02920 SEEDING: Section 3.7 paragraph A mentions "erosion control fabric" being used. The amount of fabric needed could also be a lot. Is there something else, an approved alternative by the City, that the GC could use which is biodegradable and/or "environmentally/wildlife friendly"? Such as Flexterra FGM Hydro-Blanket.

Answer: Other environmentally/wildlife friendly erosion control seed germination blankets are acceptable alternatives but must be a physical blanket to maintain the structure of the embankment. Provide submittal for review and approval.

18. Question: Spec Section 02920 SEEDING: Section 3.4 paragraph C.5, "provide additional watering weekly...". Not all areas of the project site will be accessible by a large vehicle, such as a water truck/tanker, once the seeding has been done. A large vehicle could damage these areas if it were to enter these areas. With that in mind, would it be acceptable to miss/skip these areas when watering weekly?

Answer: All reseeded areas must receive regular water to establish. Weekly watering is required unless otherwise directed by the City or the City's Engineer or per seed house recommendations.

19. Question: Spec Section 02920 SEEDING: For mulching, would Hydro-Straw mulch application not be better than blowing the straw and then crimping it? Is Hydro-Straw an acceptable alternative?

Answer: Yes

20. Question: Is there any flow rate data for Kannah Creek?

Answer: No. Flows are estimated between 2-15 CFS during summer months except following storms.

21. Question: Will the City mark the trees that are to be saved within the project limits?

Answer: Trees required to be protected are marked on the plans. The City will coordinate with the contractor to confirm those trees during construction.

22. Question: Construction note #102 Rest Fence says on sheet C3.0 "height and material shown on plans." This information seems to be missing from the plans. Could you please clarify the size and type of fence in bid item #5?

Answer: Fence is to be replaced in kind, size, and material varies but is generally barbed wire fencing.

- 23. Question:** Note #9 from the Pre-Bid Meeting Agenda mentions the City will provide “most fittings” for the Project. Are there any other required materials not listed in the bid schedule that the GC must purchase? (mega-lugs, blue bolts, tracer wire, etc.)
- Answer:** The City purchased 16 11.25-deg, 12 22.5-deg, 17 45-deg elbows, 3 20x6 tees and 3 6” air-valve assemblies. Connection to existing pipe, caps except as noted, tracer wire and additional fittings needed are the responsibility of the contractor. Mega-lug fittings are required and blue bolts are part of City Standard.
- 24. Question:** Seeding specifications, Section 3.4 C.5, concerning the weekly watering requirements. Does this requirement apply to Hydro Seeding as well as drill seeding?
- Answer:** All reseeded areas must receive regular water to establish. Weekly watering is required unless otherwise directed by the City or the City’s Engineer or per seed house recommendations.
- 25. Question:** During the pre-bid meeting it was indicated that the old pipe can be taken to the staging area. Will it need to be moved off-site eventually?
- Answer:** No
- 26. Question:** What condition must the old pipe be in after removal?
- Answer:** In general, the City is not concerned with the condition of the old pipe after removal. However, the City would be interested in a small amount of pipe be salvaged in useable condition if possible. Quantities are not defined, but several joints would be useful.
- 27. Question:** Will the construction company be tasked with moving the new pipe from the staging area to the job site?
- Answer:** Yes
- 28. Question:** Will the job site be able to be accessed through private properties, and if so which ones and how accessible is it to heavy equipment?
- Answer:** The City has access to its easements on private properties either through the easement or private access as agreed upon with the landowners. These accesses will be discussed with the successful bidder and should be sufficient for access with heavy equipment.
- 29. Question:** The soil material that comes off the job site as an export can be taken to the staging area. Will it eventually need to be moved off the staging area?
- Answer:** Material stockpiled at Juniata Reservoir will not need to be removed as part of this Contract.
- 30. Question:** Will the Contractor need a wetlands permit while working in the wetland’s areas?
- Answer:** The City has obtained the required permit (USACE NWP 58) for wetland areas.
- 31. Question:** Does the City have a record of delivery tickets for fittings so we can get a hard count of how many fittings are on site?
- Answer:** Refer to questions 2 & 23 and the Revised Bid Schedule included as part of this addendum. Any fittings not shown as “INSTALL ONLY” or not specifically noted, but required to complete the work as described in the bid/contract documents are the responsibility of the contractor and incidental to the work.

32. See Attached and Linked Revised Bid Schedule. This revised Bid Schedule must be submitted with the bid. [Revised Bid Schedule Addendum 1](#)

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

All other conditions of subject remain the same.

Respectfully,



Dolly Daniels, Senior Buyer
City of Grand Junction, Colorado

Bid Schedule: Upper Kannah Creek Flowline Replacement
Revised per Addendum No. 1

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	102.14	Concrete Encasement	80.	SF	\$ _____	\$ _____
2	103.16	Export Common Fill	4,350.	CY	\$ _____	\$ _____
3	103.17	Gravel Road Restoration (min 2" thick class 6 gravel)	310.	TONS	\$ _____	\$ _____
4	103.17	Purdy Mesa Rd Drive Entrance	Lump	SUM	---	\$ _____
5	103.17	Fence Removal and Replacement	1,360.	LF	\$ _____	\$ _____
6	103.19	Scar Rehabilitation and Erosion Control	Lump	SUM	---	\$ _____
7	103.3	Tree removal	8.	EA	\$ _____	\$ _____
8	108.13	Engineered Excavation (Approx Sta 115+07 to 115+20)	Lump	SUM	---	\$ _____
9	108.13	Engineered Excavation (Approx Sta 142+50 to 142+90)	Lump	SUM	---	\$ _____
10	108.2	Water Main (20") (C-900 PVC, DR-18) (INSTALL ONLY)	1,070.	LF	\$ _____	\$ _____
11	108.2	Water Main (20") (C-900 PVC, DR-25) (INSTALL ONLY)	6,130.	LF	\$ _____	\$ _____
12	108.2	Water Main (20") (C-900 PVC, DR-25) (INSTALL ONLY) (No Bedding Material)	3,440.	LF	\$ _____	\$ _____
13	108.2	Water Main (2" HDPE DR-11) (Includes corporation and curb stop valve w/ box)	10.	LF	\$ _____	\$ _____
14	108.3	Elbow - 11.25 (20") (INSTALL ONLY)	16.	EA	\$ _____	\$ _____
15	108.3	Elbow - 22.5 (20") (INSTALL ONLY)	12.	EA	\$ _____	\$ _____
16	108.3	Elbow - 45 (20") (INSTALL ONLY)	17.	EA	\$ _____	\$ _____
17	108.3	Elbow - 11.25 (20")	12.	EA	\$ _____	\$ _____
18	108.3	Elbow - 22.5 (20")	5.	EA	\$ _____	\$ _____
19	108.3	Elbow - 45 (20")	5.	EA	\$ _____	\$ _____
20	108.3	Air Vacuum Valves (INSTALL ONLY)	2.	EA	\$ _____	\$ _____
21	108.3	5' manhole w/ vent for Air Vacuum Valve	2.	EA	\$ _____	\$ _____
22	108.3	End Cap - 18" (INSTALL ONLY)	2.	EA	\$ _____	\$ _____
23	108.4	Water Service Connection - Douglas Martin Property	1.	EA	\$ _____	\$ _____
24	108.4	Water Service Connection - City of Grand Junction Property	1.	EA	\$ _____	\$ _____
25	201	Clearing & Grubbing	Lump	SUM	---	\$ _____
26	202	Abandon Pipe (Abandon pipe by plugging ends with concrete)	12.	EA	\$ _____	\$ _____
27	202	Removal of Asphalt Mat (Planing) (2" Thick for T-Top Section)	375.	SF	\$ _____	\$ _____
28	202	Removal of Asphalt Mat (Full Depth)	210.	SF	\$ _____	\$ _____
29	202	Removal of Existing Pipe (plug ends with concrete)	1,700.	LF	\$ _____	\$ _____
30	203	Rock Excavation	50.	CY	\$ _____	\$ _____
31	207	Wetland Restoration	2,550.	SF	\$ _____	\$ _____
32	208	Erosion & Sediment Control	Lump	SUM	---	\$ _____
33	210.04	12 foot 6-bar Tube Style Gate	4.	EA	\$ _____	\$ _____
34	212	Seeding (20 lbs/AC)	9.	AC	\$ _____	\$ _____
35	304	Aggregate Base Course (Class 6) (9" thick)	19.	TONS	\$ _____	\$ _____

**Bid Schedule: Upper Kannah Creek Flowline Replacement
Revised per Addendum No. 1**

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
36	401	Hot Bituminous Pavement (Patching) (3" Thick Bottom Lift) (Grading SX, PG 64-22) (GYR.=75) (One 3" Lift Bottom Mat)	395.	SF	\$ _____	\$ _____
37	401	Hot Bituminous Pavement (Patching) (2" Thick Top Lift)	560.	SF	\$ _____	\$ _____
38	506	Riprap type M (d50 = 18")	20.	CY	\$ _____	\$ _____
39	620	Portable Sanitary Facility	Lump	SUM	---	\$ _____
40	625	Construction Surveying (Includes As-Built Drawings)	Lump	SUM	---	\$ _____
41	626	Mobilization	Lump	SUM	---	\$ _____
42	630	Traffic Control (Complete in Place)	Lump	SUM	---	\$ _____
43	FA	Douglas Martin Property Allowance	Lump	SUM	---	\$ 10,000.00
44	FA	Alexander Yater III Property Allowance	Lump	SUM	---	\$ 10,000.00
45	FA	Scenic Investments LLC Property Allowance	Lump	SUM	---	\$ 10,000.00
46	FA	Delfin Martinez and Dana Amos Property Allowance	Lump	SUM	---	\$ 10,000.00
47	FA	Import Common Fill	Lump	SUM	---	\$ 10,000.00
MCR		Minor Contract Revisions	---	---	---	\$ 150,000.00

Bid Amount: \$ _____

Bid Amount: _____ **dollars**