



Purchasing Division

## **ADDENDUM NO. 2**

**DATE: September 7, 2016**  
**FROM: City of Grand Junction Purchasing Division**  
**TO: All Offerors**  
**RE: Installation of Water Treatment Plant Filter Upgrade IFB-4285-16-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to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.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 the wheelers under drains disposed of on-site with old media and concrete?  
A. The Wheeler under drains may be disposed of on site with old media and concrete.
2. Q. In the leopard submittal they state they are supplying the hold down rods. Are they supplying the apoxy as well or does the contractor need to supply this?  
A. Epoxy is to be supplied by the contractor
3. Q. Back washing the new media layers, Can this be done with filters off-line and do you have an estimated time that it takes to finish a backwash cycle?  
A. The cycle is fast enough that multiple washes can be run in a day if necessary. Backwashing the new media will need to be coordinated with plant operators to ensure daily backwashes can continue as scheduled.
4. See attached Pre-Bid Meeting Agenda.
5. Revised Tentative Time Schedule:

### **IFB TENTATIVE TIME SCHEDULE:**

Invitation for Bids available	August 12, 2016
Mandatory Pre-Bid Meeting	August 24, 2016
SRF Loan Approval	August 25, 2016
Inquiry deadline, no questions after this date	August 31, 2016
Addendum Posted	September 7, 2016
Submittal deadline for bids	September 13, 2016
City Council Approval	October 19, 2016
SRF Loan Execution	Week of October 24
Preconstruction meeting	October 26, 2016

Notice of Award & Contract execution	October 31, 2016
Bonding & Insurance Cert due	November 4, 2016
Notice to Proceed	November 7, 2016
Work begins no later than	November 7, 2016
Final Completion	150 Calendar Days from Notice to Proceed

Holidays:	November 11, 2016 – Veterans Day
	November 24, 2016 – Thanksgiving
	December 25, 2016 – Christmas Day
	January 1, 2017 – New Year’s Day
	February 20, 2017 – Presidents’ Day

6. Q. On drawing number PD 1.0 note 5, it calls for a grout base on filter floor. In the Leopold specs page 2 paragraph 7, it says if anchors are being used, grout is not needed?
  - A. For bidding purposes, assume grout is required. If it is determined, after award, that grout is not needed, it shall be deducted from the contract.
  
7. Q. Does Leopold have any other detail drawings for the underdrain system they can provide?
  - A. Shop drawings will be supplied to the successful bidder.
  
8. Q. Sheet E2.0, Note 1 requires a retrofit of MCC buckets as described on Sheet E2.1. We do not have Sheet E2.1. (They may be referring to ED1.0).
  - A. Refer to Sheet ED1.0.
  
9. Q. Do you think there is a clear conduit route between the existing MCC and the location of the new blowers, and how much can be run overhead, UG, and otherwise.
  - A. Yes. There is a crawl space above the ceiling of the main level. New conduit can be routed to this space, then to the required destination.
  
10. Q. Are the VFDs provided/installed by the Air Blower Manufacturer? If not, is there sufficient space inside that cabinet to mount them in the Air Blower Cabinet as required?
  - A. The VFDs will come preinstalled in the Blower enclosures.
  
11. Q. Sheet E2.0, Note 2 requires adding 4 new 1 pole 15 amp breakers in Lighting Panel “B” in the MCC. Is there sufficient space in the panel for them, and what is the panel manufacturer and type. (name plate data) Also Section “H” of 11376-12 states Control Equipment shall be provided by the system integrator.
  - A. There is plenty of spare space in these lighting panels. The panels currently have several types of breakers – the most common is GE THQL. Please also note that the plant operators anticipate the use of Lighting Panel “C” and not “B” as shown on plans.
  
12. Q. Sheet E2.0, Note 4 requires removing Existing equipment in an MCC bucket and turning over to the owner, then installing equipment to match the bucket below. (MCC ELEVATION on sheet ED1.0) I think it would be more cost effective to order a new bucket and install it. I would need picture and nameplate data on the existing bucket 3B (interior) and MCC.

A. Either method is acceptable. The existing MCC is an Allis-Chalmers, ValueLine Control Center.

13.Q. Take pictures of the MCC nameplates, the existing control panel and interior.

A. *None provided.*

14.Q. Sheet E2.0, Note 5 requires new wiring associated with the air scour actuators to be on new terminal blocks on the back side of the existing control panel. Please clarify that! (On the back exterior, or interior)?

A. The existing "control panel" is a wall that separates the operations room from the control room. The back side of the panel is the inside of the control room, but the back side of the wall with respect to the operations room.

15.Q. I assume the backwash controls shown on Sheet ED1.0 are existing. Is this correct or is that system to be provided and installed by the EC?

A. This system is proposed and is to be provided and installed by the system integrator with all required rewiring to move the controls from the existing system to the new controls.

16.Q. I have asked Tom with AM West to look at the controls integration for us and provide a quote. This far, I have not heard back from him. You may ask around to see if there is an integration contractor at the bid walk we can look to for a quote.

A. Please see attendance roster that is attached.

17.Q. Please confirm that the minimum experience for General Contractors as stated in specification 00210 is in addition to the City's pre-qualification requirements as referenced in the Instructions to Bidders paragraph 1.4. Please also confirm that each bidder is required to submit qualification statements with the bid regardless of their status of pre-qualification with the City of Grand Junction.

A. The City requires pre-qualification as noted above for all contractors bidding on projects larger than \$50,000. The minimum is experience and qualification statement listed in Specification 00210 is in addition to pre-qualification and is specific to this project.

18.Q. Please confirm that the cost of the owner purchased items is not to be included in the bid price and that the Owner will retain control and responsibility for the execution of these purchase agreements?

A. This is correct.

19.Q. Has any analysis been done concerning asbestos on the Vinyl?

A. The City is currently conducting an analysis and will provide results to the successful bidder.

20.Q. Is there any pipe insulation requirements at the blower discharge?

A. No

21.Q. Where can we dispose of the filter media?

A. A disposal site is provided on the water plant property..

22.Q. Has any testing been done on the filter media to determine concentrations of contaminants?

A. No analysis has been done and we do not anticipate any contaminate issues.

23.Q. Are the check valves referenced in section 11376, paragraph 1.2B5 part of the blower package? Are they integral to the blower? I didn't see them in the pipeline details.

A. The check valves are integral to the blowers.

24.Q. General Conditions 2.16 identifies the requirement for the Contractor to provide insurance certificates however there are no policy requirements defined in the Contract Documents. Please provide the required policies and limits.

A. Reference the City's General Contract Conditions, Section IV Bond, Indemnification and Insurance, Sub-Section 17 Insurance Requirements.

25.Q. Addendum #1 states that the award of the project is contingent upon loan execution tentatively set for November 1, 2016. Statement of Work (SOW) article 3.5 tentative schedule indicates an award on October 21, 2016. SOW-3.2 limits the shutdown period between October 15, 2016 and March 31, 2017. With a contract duration of 150 days to Final Completion, the issuance of a Notice to Proceed after November 1, 2016 will extend beyond the allowed shutdown period. Please clarify how the contract times will be adjusted in the event that a Notice to Proceed cannot be issued prior to November 1, 2016.

A. See revised project schedule.

26.Q. Recognizing the 150 contract duration from NTP to Final Completion and an assumed start of construction by October 31st there is no time allowed between substantial and final completion. Please confirm that it is the Owner/Engineer's intent that the entire project be complete, including punchlist, demobilization and final cleanup within the allowed 150 calendar days.

A. It is the intent of the City that the entire project be complete within the allowed 150 days. Substantial completion should be achieved with enough time for contractor to complete punch list items demobilization and final completion within the allotted contract time.

27.Q. Specification 01010-1.5.G.4 states that the basins will be inspected once the existing filters are demolished and the Engineer will determine requirements for repair of spalled concrete areas. Please clarify how the Contractor will be compensated for costs to repair concrete spalls and if the Contract Times will be extended if the repair work impacts the Contractor's critical path.

- A. The City may negotiate with the contractor for spall repair and will pay an agreed-upon rate for time and materials. This payment may be made from the Minor Contract Revisions. If necessary, the City will consider adding time to the contract.
- 28.Q. Section 3.3.11 references city furnished materials. Will these materials be in the control of the contractor? And will these materials need to be insured under contractor's insurance?
- A. The materials will be delivered to the water plant and the contractor is responsible for taking delivery and storage on site. The materials will need to be insured by the contractor.
- 29.Q. What type of roofing and supporting structure are we penetrating for the installation of the Exhaust fan?
- A. The roofing material is corrugated metal. General Contractor to verify the roof structure can support the new exhaust fan and reinforce if required. No existing plans of this structure are available.
- 30.Q. What type of roofing and supporting structure are we penetrating for the installation of the pipe hangers detailed on drawing PD1.0 detail 5/P2.0?
- A. The roofing is concrete double tee with roofing membrane over the filters.
- 31.Q. Sheet P2.2 shows new rebar. Will a concrete reinforcement specification be provided?
- A. See 03300 Cast-in-Place Concrete, lap length shall be 50 bar diameters.
- 32.Q. Sheet P2.2 shows new concrete. Will a cast in place concrete specification be provided?
- A. See 03300 Cast-in-Place Concrete.
- 33.Q. Spec Section 01010 1.5 G 6. Refers to sandblasting and painting. Will a coatings specification be provided?
- A. See 09900 – Coatings.
- 34.Q. Please indicate the maximum load for the upper filter deck (will the deck support a forklift and supersack of media?)
- A. It may be possible that the deck will support a forklift with supersack. This must be confirmed by the contractor at the site. The City water plant operators use a slurry technique to fill the filters with new media with high success.
- 35.Q. The air pipe is currently scheduled to be unlined DIP, will the Owner consider either 304 Or 316 SS Schedule 5 or 10 for this system? (Stainless Steel IS AVAILABLE to meet AIS requirement and should be much cheaper than Unlined DIP.)
- A. Bidders shall use unlined DIP as the basis of bid. The use of stainless steel pipe may be discussed with the successful bidder as part of a value engineering process.
- 36.Q. Specification 09900 – Coatings, 3.14.A refers to coating walls, where does this apply?
- A. Delete 3.14.A in its entirety.


37. Q. Are battery backups required for the automated valves on the aeration header?

A. No, battery backups are not required for the automated valves.

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 in a cursive style.

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

## Pre-Bid Meeting Agenda

Date: Wednesday, August 24, 2016  
Project: **2016 Water Treatment Plant Filter Upgrade**  
Location: City of Grand Junction Water Treatment Plant  
244 26 ¼ Rd, Grand Junction, CO 81503  
Conducted by: Duane Hoff, Jr., Senior Buyer  
John Eklund, Project Engineer

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1. Introduction, attendance list.
2. Project description –
  - a. Work consists of the removal of existing surface wash system, supply pipes
  - b. Demolition of wheeler block underdrain system inside existing filters
  - c. Installation of new filter air scour system, including blower, valves, electrical actuators, supports and associated piping for all filters
  - d. Upgrade of four (4) existing dual-cell filters, including modification of existing substructure, and replacement of media
  - e. Associated electrical, mechanical, and control improvements

The anticipated construction schedule for this project is as follows, contingent on the approval and execution of the SRF Loan to the City of Grand Junction:

- Loan Approval Expected – August 25, 2016
  - City Council Approval – October 19, 2016
  - Loan Execution Expected – Week of October 24, 2016
  - Notice of Award – October 31, 2016
  - Start construction – November 7, 2016
  - Expected Delivery of Equipment (Blowers and Filter Underdrain System) – December 5, 2016
  - Final completion – 150 Days from Notice to Proceed
3. Project documents -
    - a. City of Grand Junction Standard Contract Documents
    - b. Project Bid Documents

- c. Construction plans
  - d. Prequalification
  - e. Previous Experience
4. Bid submittal procedures -
- a. Complete Bid Form in ink, sign and attach Bid Bond, include Bid Schedule & subcontractor list.
  - b. Submit bid only rough Rocky Mountain E-Purchasing (<https://www.rockymountainbidsystem.com/default.asp>)
  - c. Attendance at bid opening is optional
  - d. City Prequalification is required
  - e. Submit separate document verifying similar project experience (Section 00210)
5. Insurance and bonding requirements -
- a. 5% bid bond [Section 2.22]
  - b. Performance and payment bonds (100%) [Section 2.23]
  - c. Insurance in General Conditions [Section 2.16]. Due 10 calendar days after Notice of Award. Reference Bid Number and Project under “Additional Remarks”.
6. Addenda –
- a. Addendum number 1 will be issued following this pre-bid meeting and will include the following items:
    - *Attendance list, Agenda*
    - *Updates to IFB Tentative Time Schedule (see above)*
  - b. Final Addendum expected September 7, 2016
7. Project specific issues -
- a. The Water Treatment Plant must maintain a minimum of two functioning filters at all times throughout the project. The contractor must coordinate filter shutdown periods with the Owner and Engineer.
  - b. Pre-Purchased Equipment vs. Contractor Supplied Equipment?
  - c. Davis Bacon Wage Requirements and Forms
  - d. EEO Requirements



- e. AIS Requirements and Forms
  - f. Demolition of existing media to be salvaged and provided to Owner
8. Site visit – Mandatory Pre-bid meeting is a site visit and will include a tour of the existing facility.

9. Questions and answers -

Q: Are there media time constraints for backwashing the media during installation and startup?

A: No, the clearwell can refill in less than one hour during the winter.

Q: What permits must the contractor obtain for this project?

A: Electrical permits are required from Mesa County

Q: Will electrical power be provided on site?

A: Yes, for small equipment. However, for large equipment the contractor may need to supply their own power.

Q: Is the engineers cost estimate for the project available?

A: \_\_\_\_\_  
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