



ADDENDUM #1

TMWRF MCC 6 REPLACEMENT

BID #17/18-010 / PWP #WA-2018-016

BIDS DUE NO LATER THAN: 1:45 PM ON NOVEMBER 8, 2017

PUBLIC BID OPENING: 2:00 PM ON NOVEMBER 8, 2017

This addendum is to notify all potential proposers of clarifications made to the Bid documents as stated below.

Questions provided by potential bidders as of 11/3/17, and Answers provided by the City of Sparks:

1. The bid documents say we are supposed to cover the permit fees. How do we know what that total is? Have you already paid the plan review fee? Should we figure a certain dollar amount and then credit once the true costs are known?

Response: The Contractor shall assume a City of Sparks Building Permit fee of \$2,500.00.

2. I have some concerns about the depth of the existing MCC concrete pad. We are told to re-use it in the bid documents. It looks like the existing board is an inch out from the wall for some reason. The new MCC is a little deeper but may still fit. For the sake of this bid, should we figure the existing to be adequate and if it is found that the new board overhangs the pad, we can then put in for a change to add more concrete in the front?

Response: Assume that the existing pad is adequate for the depth of the equipment. Additional length may be needed to meet the dimension of the Contractor supplied equipment. Keyed Note #4 on Sheet E8 addresses extension of the pad.

3. The specifications list George T hall as the integrator. Other than possibly replacing the control stations, which we can do ourselves, is there any specific scope of work we are expected to use them for? It would appear that your Scada (Controls) guys will be making the required changes to the existing control board. We would need to install and terminate control wires as needed.

Response: TMWRF IT staff have installed new components in ECP-5 from a preceding project. The Integrator for this project will need to demolish the top portion of ECP-5 and re-arrange some of these new components that were previously installed and shown on sheet E12. George T. Hall (or approved equal) is listed as the Integrator in the Tech Specs because an Integrator knowledgeable with this control hardware is required. After the work on ECP-5 is done, the Integrator must commission and, if necessary, troubleshoot any problems with the controls. If the Electrical Contractor has someone on staff that has the skillset to work on ECP-5, then George T. Hall does not have to be the Integrator. However, the Electrical Contractor will then be responsible for the wiring, commissioning, and troubleshooting of the control system connections.

4. The scope of work for replacing the corroded control panels also states we are to replace the conduit as well. Those conduits go all directions out of the controllers. Can you clarify to what extent (length) we are to replace? Also, is this area to be considered corrosive? If so, we are to put PVC coated rigid steel. The existing conduits are not coated. Please clarify the intent on the conduit being replaced.

Response: Keyed Notes #1 thru #4 on Sheet E7 directs to replace ‘exposed conduit and fittings...’. The Contractor will need to replace all the conduit to the control box up to that point where it is not exposed. General Note #3 on this same sheet states that all conduit and fittings shall be PVC coated rigid conduit, as this is considered a ‘wet and corrosive environment’. The unexposed conduit from Gallery C to MCC 6 can remain as is.

5. Are bid items #3 and #4 adders? If so, what should bid item #5 include for the possibility of bid items #3 and #4 not being taken? Without the drives, will motor starters need to be included? Without bid item #4 the new MCC will be shorter, thus throwing off the whole layout.

Response: Bid items #3 and #4 are not adders. They are components that will be installed in the MCC, either by the contractor or preferably by the MCC supplier. As shown on Sheet E5, the VFDs are shown in Buckets 5M and 6M, respectively, and the Active Harmonic Filter is in Bucket 4M. The layout has already taken these components into consideration.

6. In order to access the existing loads for temp power it may be necessary to cut the conduits and cables back. A junction will need to be added and splicing will be required. This may also be the case if an existing feed is not long enough to reach its new termination point. Is it acceptable to install these splices when required?

Response: It is understood that cut-backs may be necessary, and terminations and splices may be required. It will be acceptable but keep the quantity of these to a minimum. Keyed Note #7 on Sheet E5 has a statement on this subject.

7. The current temp power plan is shown to use one of the existing feeds for temping in the loads during the removal and install of the new MCC. This is per note on E8. This is not a question, but can you acknowledge you will be without redundant power during this process.

Response: TMWRF staff acknowledges that they may be without redundant power for short periods of time. All temporary outages must be coordinated with the TMWRF staff. As noted in General Note #1 on Sheet E8, four (4) hour windows will be available for cutting out power and re-connecting but the logistics must have the concurrence of TMWRF at an agreed-upon time window.

8. On sheet E3, under interruption of power, there is a note to see specification section 01014 for the construction sequence. Please provide specification section 01014?

Response: Delete the reference to Section 01014. Refer to Section 24 of the Special Provisions.

9. On sheet E7, the keyed notes call for the contractor to replace the control panels and exposed conduits for the TWAS collectors and the Sludge Collectors. There is also conduit on the deck for lighting and receptacles. Is the contractor to replace the conduit for power and lighting also? When this conduit is being replaced on the deck, will one TWAS Collector or one Sludge collector be able to be shut down for longer than 4 hours or are you expecting temporary cabling be run from the MCC to the top deck to keep it in operation?

Response: (1) The power and lighting conduits are not in the scope of this project; (2) Temporary wiring may be required if the 4-hour window is not long enough. Outage duration will need to be coordinated with TMWRF staff.

10. In specification section 13300 it calls for the contractor to procure the services of a process Control System Supplier to rearrange the existing equipment previously installed in ECP-5. Can you please review this section and confirm this is required since all of the equipment is existing and just needs to be rearranged?

Response: See the response to Question #3 above.

11. Note #1 on plan sheet E5 says we are to megger test the existing cables and replace the cables that are bad. This should only apply to loads 100A and above. This note creates the following questions.

- We can't possibly know if they will not pass before this bid. How much money should we figure for that purpose?
- When will this megger testing be done. During the shutdown? We only have 4-hour windows.
- Will we have access to the pumps?
- Will the pumps need to be disconnected in order to test?

Response: General Note #1 on Sheet E5 refers to the 600-V cables feeding existing MCC 6 from LVDC2 and LVDC3. The main concern is to determine if the existing feeder cable is still capable to handle the new MCC replacement. If the existing cable tests bad, TMWRF is responsible for its replacement. IF any newly installed cable tests bad, then the Contractor is responsible for replacing it. TMWRF staff will be available to support during the 4-hour windows.

Please note and adjust your bid according to the revisions, additions, deletions, clarifications or modifications as presented on this Addendum #1, which are made a part of this bid. NOTE: To avoid disqualification, this Addendum 1 (and any other addenda) must be signed by an authorized representative of the bidding firm in the space provided and must be submitted with your firm's sealed proposal. Failure to return this addendum, duly signed, may be cause for rejection of the bid. ALL ADDENDA SHOULD BE SIGNED AND PLACED IN SEQUENTIAL ORDER AND ATTACHED TO THE FRONT OF THE BID PACKAGE, COMPLETE WITH ALL REQUIRED DOCUMENTS.

CONTRACTOR BUSINESS NAME

X _____
Authorized Signature

Printed Name of Person Signing

Dan Marran, C.P.M., CPPO
Contracts and Risk Manager

November 6, 2017