



1070-2019 ADDENDUM 2

ELECTRICAL & HVAC UPGRADES AT MCPHILLIPS & TACHE PUMPING STATIONS

URGENT

PLEASE FORWARD THIS DOCUMENT TO WHOEVER IS IN POSSESSION OF THE TENDER

ISSUED: 2012-12-16
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE TENDER AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20190115

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Tender, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.

PART B – BIDDING PROCEDURES

- Revise: B2.1 to read: The Submission Deadline is 12:00 noon Winnipeg time, January 30, 2020.
- Revise: B3.1 to read: Further to C3.1, the Contract Administrator or an authorized representative will be available to provide Bidders access to the Site on December 9, 2019 **and January 8, 2020** at the following times and locations:
 - (a) from 9:00 a.m. to 11:30 a.m. at the McPhillips Regional Pumping Station – 360 McPhillips Street, Winnipeg, MB; and
 - (b) from 1:00 p.m. to 3:30 p.m. at the Tache Booster Pumping Station – 866 Tache Avenue, Winnipeg, MB.

PART D – SUPPLEMENTAL CONDITIONS

- Revise: D15.3 to read: The City intends to award this Contract by March 30, 2020.

PART E – SPECIFICATIONS

- Revise: E10.9.1 to read: Temporary shutdowns for the Tache Booster Pumping Station are only permitted for a period of up to 6 consecutive months. After this period, the station must be usable and remain energized. The Contractor is responsible for providing temporary construction power, **power for the existing 120/240V UPS panel (PNL-E)**, and power for heating the site during the outage period. The Contractor is responsible to ensure that damages to system at the site do not occur.
- Add: **E15. EXPEDITED SHOP DRAWINGS**
 - E15.1 In order to expedite Shop Drawings with critical timeliness, the lowest responsive Bidder, as outlined in B18, will be permitted, after receiving written approval from the Contract Administrator, to arrange for the preparation of Shop Drawings for the following items with critical timelines:
 - (a) All items specified in Section 26 12 16 – Dry Type, Medium Voltage Transformers;

- (b) All items specified in Section 26 12 17 – Dry Type Transformers Up to 600 V Primary; and;
- (c) All items specified in Section 26 24 19 – Motor Control Centres.

E15.2 If Award is made to the lowest responsive Bidder, then no specific payment for the preparation of Shop Drawings will be made.

E15.3 If no contract is awarded, then the City of Winnipeg will pay the requested Bidder up to a maximum of five thousand dollars (\$5,000.00) for the complete set of requested submissions noted above, for the preparation and delivery of Shop Drawings. Shop Drawings shall be prepared to a reasonable level of acceptance, subject to the Contract Administrator's approval. Delivery of the Shop Drawings to the City and payment of the above amounts will constitute full and final consideration of each party to the other, and neither party will have any further liability to the other with respect to this Tender.

APPENDICES

Add: Appendix_G Photograph Log - McPhillips Regional Pumping Station, McPhillips Chlorine Building, McPhillips Collections Building, Branch 1 Aqueduct Valve Chamber and Tache Booster Pumping Station

QUESTIONS AND ANSWERS

McPhillips Regional Pumping Station, Chlorine Building, Collections Building and Control Centre:

Q1: McPhillips Regional Pumping Station – Electrical Room: Will the new transformer (XFMR-M721) that is to be stacked above the exiting transformer (T3) be the same footprint as the existing transformer (T3)?

A1: The new transformer (XFMR-M721) will be similar in dimension to the existing transformer (T3) but will not be exactly the same size.

Q2: McPhillips Regional Pumping Station – Electrical Room: Will the new medium voltage transformers (XFMR-M710 and XFMR-M720) be the same footprint and in the same location as the existing medium voltage transformers (T1 and T2)?

A2: The new transformers (XFMR-M710 and XFMR-M720) will likely have different dimensions than the existing medium voltage transformers (T1 and T2) and will be located within the vicinity of the existing transformers but not in the exact same spot. Refer to Drawing 1-0640M-E0039 Sheet 001 Revision 00.

Q3: McPhillips Regional Pumping Station – Electrical Room: What is going to be installed in the location of the existing 600V MCCs (MCC-A and MCC-E) and 600V switchgear?

A3: Two new non-essential MCCs (MCC-M710 and MCC-M720), a tiebreaker and a power factor correction bank (PFC-M713) will be installed in the location of the existing 600V MCCs (MCC-A and MCC-E) and 600V switchgear. Refer to Drawing 1-0640M-E0039 Sheet 001 Revision 00.

Q4: McPhillips Regional Pumping Station – Electrical Room: Does the existing automatic transfer switch (ATS-M2E) need to be relocated under this Contract?

A4: The existing automatic transfer switch (ATS-M2E) will remain in place. The new essential MCC (MCC-730E) will be installed south of the existing Automatic Transfer Switch (ATS-M2E), along the west wall of the Electrical Room. Refer to Drawing 1-0640M-E0039 Sheet 001 Revision 00.

Q5: McPhillips Regional Pumping Station – Control Room: Is the fiber connection from the new power meter to the network switch being installed under this Contract?

A5: The fiber connection from the new power meter to the network switch will be provided under a separate contract.

Q6: McPhillips Regional Pumping Station – Mezzanine Area: What are the dimensions of existing distribution panels LP-A and LP-B?

A6: Panel LP-A is a 150A 120/208V 3 phase 4 wire Westinghouse NLAB QB 42 circuit panel. Panel LP-B is a 150A 120/208V, 3 phase, 4 wire, NLAB QB 30 circuit panel. Relevant dimensions are included in Appendix G.

Q7: McPhillips Regional Pumping Station – Outdoors on south side of the Station: Does the existing tree need to be removed to accommodate the new fence, pad, condenser and transformer for the new chiller?

A7: Yes. The existing tree and an existing tree stump shall be removed to accommodate the new fence, pad, condenser and transformer for the new chiller. Please refer to Drawing 1-0640A-S0001 Sheet 001 Revision 00.

Q8: McPhillips Regional Pumping Station – Control Centre: Is it the Contractor's responsibility to remove the transformer located in the duct area (XFMR-S702)?

A8: Yes. Please refer to Drawing 1-0640S-E0001 Sheet 001 Revision 02.

Q9: McPhillips Regional Pumping Station – Drawings 1-0640M-E0046 – E0048 refer to phases. Please describe the 3 different phases and how the Work is to be scheduled.

A9: As the facility must remain operational during construction, these three Drawings are provided to show the sequence of Work in relation to major power distribution modifications to allow continued operation of the facility. The intent is that Work shown in phase 2 should not be started until the Work outlined in phase 1 is complete and the Work in phase 3 should not be started until the Work in phase 1 and phase 2 is complete. The phase sequence was developed to minimize facility disruption. The Contractor is permitted to complete specific tasks in a different phase than those outlined in the Drawings, provided facility operation will not be affected. Any deviations in the phases of the Work described in the most current revision of the documents must be documented and submitted to the Contract Administrator for review. Work shall not commence on the submitted deviation without the approval of the Contract Administrator.

Q10: McPhillips Regional Pumping Station – Is the Contractor responsible for removing and abating all Asbestos Containing Materials if it is not disturbed by the Work? (Example: Is the Contractor responsible for the removal and replacement of an entire ceiling (containing confirmed or presumed asbestos) if only a 4x4 opening is required?)

A10: The contractor shall be responsible for the abatement and replacement of confirmed and presumed Asbestos Containing Materials as indicated on the Drawings. Where Work may affect a limited area of confirmed or presumed asbestos and said material has not been identified as requiring abatement on the Drawings, the Contractor's abatement and replacement requirements shall be limited to the area disturbed by the Work only.

Q11: McPhillips Regional Pumping Station – Is there available temporary power for a construction trailer at the McPhillips Site?

A11: Temporary power for a construction trailer shall be the responsibility of the Contractor.

Q12: McPhillips Regional Pumping Station – Chlorine Building: Is chlorine awareness training required for work in the Chlorine Room?

A12: The Contractor shall ensure all persons working in the Chlorine Building attend the City's chlorine awareness training which is approximately one hour long.

Tache Booster Pumping Station:

Q13: Tache Booster Pumping Station – Pump Area: Can the Tache Booster Pumping Station be shut down in the summer months?

A13: Yes. The maximum outage for the Tache Booster Pumping Station is six consecutive months. Please refer to "E10. Pumping Station Operation During Construction" of the Tender for additional details.

- Q14: Tache Booster Pumping Station – Pump Area: Can the large doors be used to move equipment/materials in and out of the facility?
- A14: Yes.
- Q15: Tache Booster Pumping Station – Outdoors on the south side of the Station: Do the existing trees need to be removed under this Contract?
- A15: The trees shall be protected during the Work conducted under this Contract.
- Q16: Tache Booster Pumping Station – Pump Area: Are all of the existing feeder cables from the existing switchgear being demolished?
- A16: The cables to the existing station bypass valve are to remain. The cables are to be disconnected from the breaker, made safe and rolled-up. The remaining feeder cables are to be demolished. Please refer to 1-660M-E0006 Sheet 001 Revision 00 for details.

General:

- Q17: Are new lighting manufacturer and model numbers stated in the specifications?
- A17: The lighting model numbers are stated in the lighting schedule in the Drawing package. For the McPhillips Regional Pumping Station please refer to Drawing 1-0640M-E0042 Sheet 002 Revision 00. For the Tache Booster Pumping Station, please refer to Drawing 1-0660M-E0009 Sheet 001 Revision 00.
- Q18: Can dates of planned or scheduled outages of the facilities and equipment being replaced be provided?
- A18: Construction scheduling is the responsibility of the Contractor (as outlined in “D14 Detailed Work Schedule”), subject to the review by the Contract Administrator. The Contractor shall plan their construction activities to allow for the minimum amount of disruption time to normal operating status of the stations. Please refer to “E10. Pumping Station Operation During Construction” of the Tender for additional details regarding limitations on shutdowns. For the McPhillips Regional Pumping Station, it is anticipated at least four shutdowns would be required to accommodate: energizing MCC-M730, energizing the medium voltage transformers, energizing MCC-M710 and MCC-M720, and work in the 5kV switchgear. However, additional outages may be required as construction progresses. For the Tache Booster Pumping Station, the facility may be shut down for a maximum of six consecutive months.
- Q19: Does the City have a parts list they would like to be salvaged from the demolition of equipment?
- A19: Salvage of equipment by the City is limited to the cooling tower, chiller and pump parts at the McPhillips Regional Pumping Station. The City will recover refrigerant from the existing chiller in advance of demolition.
- Q20: Where repairs to existing holes through the floor are required, can available material (i.e. concrete) be used or must the existing material be matched?
- A20: Where a match in the material is unavailable or the required delivery time would cause delays to the critical path of the Work, the Contractor may use available similar material.