



824-2015 ADDENDUM 2

OLIVE WASTEWATER PUMPING STATION UPGRADES

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE BID
OPPORTUNITY**

ISSUED: October 9, 2015
BY: Ian Parkinson
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20070419

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, 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 E – SPECIFICATIONS

Add E1.3 (Specifications): 26 28 23 Disconnect Switches – Fused and non-fused

Add Clause E4.1 (b):

The Contractor is responsible for taking pictures and/or video of the surrounding structures, houses and landscaping in order to establish the condition of the area around the pumping station prior to commencement of the Work. The pictures and/or video must be approved by the Contract Administrator prior to the commencement of the Work.

Revise Clause E21.3 (d) to read:

The Contractor will be allowed to temporarily shut-down the pumping station to install the tee-junction in the new bypass manhole as indicated in section E14. The Contractor may propose a layout different from that shown in Drawing 1-0169L-M0005 with the approval of the Contract Administrator. This deviation should be noted in the proposal submitted.

Revise Clause E22.1.1 to read:

This specification covers flow control in existing sewers and temporary by-pass pumping of flow during installation of the wastewater pumping units and station modifications for the Olive Wastewater Pumping Station.

Add Clause E22.1.2:

There are two wastewater infeeds to the Olive Wastewater Pumping Station. One infeed is a forcemain from the Conway Wastewater Pumping Station, which passes through a manhole north of the station, and discharges directly into the Olive wetwell. The second infeed is from a sewer line that originates near the gate chamber. A manhole in the middle of Assiniboine Crescent accepts wastewater from the surrounding area and discharges via gravity towards the gate chamber. This discharge line contains a tee, which connects to the gate chamber and the pumping station. The gate chamber contains a weir which causes the wastewater to back-up in the discharge line and be redirected to the pumping station.

Revise Clause E22.2.2 (c) to read:

Allowable sound level at 7.0 meters distance is 65 dba.

Add Clause E22.2.2 (f):

Provide and install temporary high level float switches within the manhole(s) and/or gate chamber where the temporary pumps are located. Connect the high level float switches to the existing control panel to provide high level alarming to the City's Supervisory Control and Data Acquisition (SCADA) system. The Station's control panel shall remain in service during temporary pumping operations to facilitate remote monitoring of the levels. Note that it is permitted to relocate the RTU panel as required to facilitate the Work. If the control panel is temporarily taken out of service the Contractor shall provide on-site personnel to continually monitor the wastewater levels until such time that remote alarming to the City's SCADA system is restored.

Revise Clause E22.2.3 (b) to read:

The Contractor is responsible for all equipment required for the temporary bypass pumping connection to the "Tee" junction shown in Drawing 1-0169L-M0005.

Revise Clause E22.3.2 (a) to read:

Firm station capacity at Olive (one pump running – PDWF) is 2028 USGPM, which translates to 128 l/s. This flow is based on inflows from the Conway Station on the north side of the Station and local flows entering through the comminutor chamber on the west side of the Station. Since these two inflows will be pumped separately, temporary by pass pumping will require two flow rates. Estimated PDWF from the Conway Station are 58 l/s; and the flows coming through the comm chamber are then going to be estimated at 70 l/s.

Revise Clause E22.3.2 (b) to read:

The Olive Wastewater Pumping Station Critical Basement Elevation is 229.289 meters and can be measured down from the inflow manhole rim on Assiniboine Crescent. The Conway Wastewater Pumping Station Critical Basement Elevation is 229.662 meters and can be measured down from the inflow manhole rim in front of the Station.

Add Clause E23.5.2 (a):

If the existing paint is found to contain lead, the Contractor shall submit a fixed-fee quotation to the Contract Administrator for the removal and disposal of the paint. If the quotation is accepted by the Contract Administrator, the City will pay the Contractor the price indicated in the quotation for this Work. If remaining funds are available under Form B, Items 13 and/or 14, the additional material and/or labour will be reimbursed as per Section E31.

Add Clause E25.3.11:

Relocation of Water Service

Add Clause E25.3.11 (a):

The existing water service shall be relocated from its current location in the motor room to the control room above ground. The City will provide a new water meter to be installed by the Contractor. The Contractor is responsible to supply and install an acceptable backflow preventer (Watts model 509 – double valve backflow or approved equivalent).

Revise Clause E26.3 (a) to read:

Sight Glass – Transparent PVC Ø50 (2 inch) pipe.

Revise Clause E26.3 (b) to read:

Breather Line – PVC Ø20 (3/4 inch) pipe.

NMS FORMAT SPECIFICATIONS

Section 22 10 10 – Plumbing Pumps

- Add Clause 3.2.4: Route the discharge piping through the abandoned sight glass hole in the pump room into the top of the wet well.
- Add Clause 3.2.5: Locate the double check valve and isolation valve on the side closest to the sump pump.
- Add Clause 3.2.6: A double check valve must also be added to the discharge line of the existing sump pump in the pump room.

Section 26 24 19 – Motor Control Centres

- Revise Clause 2.1.1 to read: 600V, 60 Hz, wye connected, 3 phase, 3 wire.
- Revise Clause 2.2.4 to read: Suitability for Service Entrance: Not Required.
- Add Clause: 2.2.9: Purchase or Quotation:
- Add Clause 2.2.9.1: All requests for purchase or quotation shall reference RFP 756-2013 to receive discounted pricing that the City has negotiated with the Vendor.
- Add Clause 2.2.9.2: Contact: Schneider Electric Canada, 21 Omands Creek Blvd, Winnipeg, MB, R2R 2V2.
- Add Clause 2.2.9.3: The equipment shall be purchased in accordance with the terms and conditions of RFP 756-2013.

Section 26 28 21 – Moulded Case Circuit Breakers

- Revise Clause 2.2.1.1 to read: Frame Size: 250 A
- Revise Clause 2.2.1.2 to read: Sensor Rating: 250 A
- Revise Clause 2.2.1.5 to read: Long Time PU: 70 - 250 A, Adjustable
- Revise Clause 2.2.1.9 to read: Instantaneous PU: 1.5 - 12 x Sensor Rating, Adjustable
- Revise Clause 2.2.1.11 to read: Schneider Electric PowerPact J series or approved equal in accordance with B7.

Add Section 26 28 23 – Disconnect Switches – Fused and non-fused

Section 40 91 00 – Automation Process Measurement Devices

- Add Clause 2.4.2.4: Set Range: To match LIT-L500-A
- Add Clause 2.4.3.11: Mounting Flange: ASME B16.5, 76.2 mm (3 inch), Class 150
- Add Clause 2.4.6.3: The equipment shall be purchased in accordance with the terms and conditions of RFP 449-2014.

Section 40 94 43 – Programmable Logic Controllers

- Delete Clause 2.2.

(Note to Bidders: The supply of PLC programming software, including a license, has been removed from this Bid Opportunity).

Add Clause 3.2.3:

Program the PLC using Schneider Electric SCADAPack IEC 61131-3 Workbench, version 6.3.2 or newer.

DRAWINGS

Replace: 824-2015_Addendum_1_Drawing_1-0169L-A0026-001-00 with
824-2015_Addendum_2_Drawing_1-0169L-A0026-001-01

Replace: 824-2015_Drawing_1-0169L-E0002-001-00 with 824-2015_Addendum_2_Drawing_1-0169L-E0002-001-01

Replace: 824-2015_Addendum_1_Drawing_1-0169L-E0003-001-00 with
824-2015_Addendum_2_Drawing_1-0169L-E0003-001-01

Replace: 824-2015_Addendum_1_Drawing_1-0169L-E0006-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-E0006-001-02

Replace: 824-2015_Addendum_1_Drawing_1-0169L-E0011-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-E0011-001-02

Replace: 824-2015_Addendum_1_Drawing_1-0169L-M0002-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-M0002-001-02

Replace: 824-2015_Addendum_1_Drawing_1-0169L-M0005-001-00 with
824-2015_Addendum_2_Drawing_1-0169L-M0005-001-01

Replace: 824-2015_Drawing_1-0169L-P0002-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-P0002-001-02

Replace: 824-2015_Addendum_1_Drawing_1-0169L-S0001-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-S0001-001-02

Replace: 824-2015_Drawing_1-0169L-S0006-001-00 with 824-2015_Addendum_2_Drawing_1-0169L-S0006-001-01

Replace: 824-2015_Addendum_1_Drawing_1-0169L-S0008-001-01 with
824-2015_Addendum_2_Drawing_1-0169L-S0008-001-02

Replace: 824-2015_Addendum_1_Drawing_1-0169L-S0010-001-00 with
824-2015_Addendum_2_Drawing_1-0169L-S0010-001-01