



ADDENDUM 3 BID OPPORTUNITY 35-2006

WINNIPEG WATER TREATMENT PROGRAM – DEACON BOOSTER PUMPING STATION UPGRADE

ISSUED: August 8, 2007

BY: Bill Richert, P. Eng.

TELEPHONE NO. (204) 986-6053

URGENT

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

**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20050506

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 D – SUPPLEMENTAL CONDITIONS

- Revise: D2.2.1(c)(ii) to read: Supply, install and terminate all power and control wiring. This includes the supply and installation of all connectors required to terminate cables supplied by others.
- Add: D2.2.1(d)(v) The City does not have spare Victaulic gaskets available. The Contractor shall supply at a minimum one (1) spare gasket for each relocated or dismantled Victaulic coupling. Existing Victaulic couplings are Style 44.
- Add: D2.2.1(d)(vi) Further to D2.2.1(d)(i): For the pipe segment serving the new 1200mm butterfly valve, remove the existing 1200mm diameter coupling and supply and Install one (1) 1200mm flexible sleeve type coupling complete with one (1) spare gasket in accordance with Section 15205.
- Add: D2.2.1(e)(iv) For the existing butterfly valves located within the Deacon Booster Pumping Station and to which the six (6) electric actuators are to be supplied and installed on (plus one spare) have been manufactured by Pratt. Shop drawings are available from the Contract Administrator on request.

PART E – SPECIFICATIONS

Section 15202

- Add: 2.5.3 Gate Valves:
- Add: 2.5.3.1 Type V100 Gate Valve 50 mm and smaller:
- Add: 2.5.3.1.1 All-bronze, screwed bonnet, packed gland, single solid wedge gate, nonrising stem, Class 125 rated 1380 kPa CWP, complies with MSS SP-80 Type 1.
- Add: 2.5.3.1.2 Acceptable Manufacturers and Products:
- Add: 2.5.3.1.2.1 Crane; Figure 438, NPT threaded ends.
- Add: 2.5.3.1.2.2 Stockham; Figure B103, NPT threaded ends.

Add: 2.5.3.1.2.3 Crane; Figure 1324, soldered ends.

Add: 2.5.3.1.2.4 Stockham; Figure B104, soldered ends.

Section 15202-02

This Section has been replaced by Section 15202-02(R1) issued with this Addendum.

Section 15205

Add: 2.2.3 Flexible Sleeve Type Couplings:

Add: 2.2.3.1 Acceptable Manufacturers (steel pipe):

Add: 2.2.3.1.1 Robar, Style 1808.

Add: 2.2.3.1.2 Dresser, Style 38.

Add: 2.2.3.1.3 Smith-Blair, Style 411

Section 16015

Revise: 2.2.5 to read: Supply and install new cables from the three (3) 2 speed soft start motor starters for the existing 900 hp pump motors to the new starters as indicated on the Drawings.

Section 16120

Revise: 3.5.1 to read: The Contractor shall test all cables that he supplies and installs (prior to energizing) as follows:

Add: 3.5.2 Cables supplied by others and terminated by the Contractor will be tested by the Supply Contractor after the Contractor supplies and installs the connectors and prior to energizing.

Section 16813

Add: 2.1.14 Supply and install internal bracing as specified on Drawings WD-E0412 and WD-E0413 and as required to tilt equipment to facilitate installation.

Section 17015

Revise: 2.3.2 to read: Supply and install all local control panels for Branch 1 Pumps; the panels will include the required remote I/O modules, local controls etc. as described in the specifications and drawings. The local panels shall also include an HMI for local indication of all pumps status, alarm and monitoring signals, the HMI shall be a Magelis XBT GT5230 10.4" touch sensitive graphics terminal or approved equal. Software licence supply and HMI configuration shall be by others.

Add: 2.3.16: Supply, install and terminate one 2C-14 Teck cable between each of the Branch II pump Benshaw soft-starters and the respective existing local control panel, to monitor the soft start PORT function.

Section 17701-A

Revise: The seventh row for Instrument I100 (Magnetic Flow Meter) to read:

LINER MATERIAL: PFA or other NSF approved material.

DRAWINGS

The following Drawings have been revised and form part of this Addendum:

<u>Consultant Drawing No.</u>	<u>City Drawing No.</u>	<u>Drawing Title</u>
WD-E0102	1-0601D-A-E0102-001-01D	ELECTRICAL - LOWER LEVEL PLAN- LAYOUT ABOVE 227.000m
WD-E0113	1-0601D-A-E0113-001-01D	ELECTRICAL - UPPER LEVEL PLAN - LAYOUT ABOVE 230.800m
WD-E0401	1-0601D-F-E0401-001-01D	ELECTRICAL - SINGLE LINE DIAGRAM
WD-E0411	1-0601D-G-E0411-001-01D	ELECTRICAL - SWITCHGEAR REPLACEMENT AND UPGRADE - SEQUENCE OF OPERATIONS
WD-E0412	1-0601D-G-E0412-001-01D	ELECTRICAL - SWITCHGEAR REPLACEMENT AND UPGRADE - SEQUENCE OF OPERATIONS
WD-E0413	1-0601D-G-E0413-001-01D	ELECTRICAL - SWITCHGEAR REPLACEMENT AND UPGRADE - SEQUENCE OF OPERATIONS
WD-E0502	1-0601D-H-E0502-001-01D	ELECTRICAL - CONTROL DIAGRAM – TYPICAL FOR PUMPS P1-1 AND P1-2
WD-M0101	1-0601D-A-M0101-001-01D	PROCESS MECHANICAL - LOWER LEVEL PLAN - LAYOUT ABOVE 227.000m
WD-M0201	1-0601D-A-M0201-001-01D	PROCESS MECHANICAL - BRANCH I - SECTION
WD-M0203	1-0601D-A-M0203-001-01D	PROCESS MECHANICAL - BRANCH I - SECTION
WD-P0003	1-0601D-G-P0003-001-01D	PROCESS - BRANCH I BOOSTER PUMPS - PROCESS AND INSTRUMENTATION DIAGRAM
WD-P0004	1-0601D-G-P0004-001-01D	PROCESS - BRANCH I BOOSTER PUMPS - PROCESS AND INSTRUMENTATION DIAGRAM

Clarification: With reference to Drawing WD-M0101 and the staging area located near the intersection of gridlines B and 10: The specified live loading for the platform, uniformly distributed, is 13.5 kPa (280 psf). The governing component is the channel framing. Any loading in excess of this shall require temporary shoring for the channel framing.

Live loading exceeding grating design loading requires temporary shoring for the grating. Loading charts based on Fisher & Ludlow HD-22 grating with 1500 span specify the following allowable live loading (for other spans see loading table):

- Uniformly distributed live loading: 26.88 kPa (560 psf)
- Concentrated live loading: 20.47 kN per 1 m width of grating (1400 lbs per 1 ft width of grating)

Clarification: On the Drawings, pump tag numbers DE-041-PP-1 and PII – 1 refer to the same pump and are used interchangeably.

Clarification: On the Drawings, pump tag numbers DE-042-PP-2 and PII – 2 refer to the same pump and are used interchangeably.

Clarification: On the Drawings, pump tag numbers DE-043-PP-3 and PII – 3 refer to the same pump and are used interchangeably.

Clarification: With reference to the P&ID Drawings and the location of the UV Master PLC: There is a mezzanine directly below the Control Room and the existing UV Master PLC is located on that mezzanine at the intersection of gridlines D and 6. The Control Room is also shown on Drawing WD-E0113.