



ADDENDUM 2 BID OPPORTUNITY 650-2005

WINNIPEG WATER TREATMENT PROGRAM – RAW WATER PUMPING STATION FOUNDATIONS AND CONCRETE STRUCTURES

ISSUED: November 23, 2005
BY: Larry Smith
TELEPHONE NO. (204) 986-7635

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 A – BID SUBMISSION

Replace: 650-2005_Addendum_1-Bid_Submission with 650-2005_Addendum_2-Bid_Submission. Form B(R1) has been replaced by Form B(R2).

PART D – SUPPLEMENTAL CONDITIONS

- Add: D2.2 (l) Construction of a 6 metre wide, 200 metre long access road north of the RWPS as shown on drawing SK-2. Work includes excavation, subgrade compaction, geotextile fabric, and granular material.
- Add: D3.1(hh) **RWPS** means Raw Water Pumping Station
- Add: D3.1(ii) **GWWD** means Greater Winnipeg Water District
- Revise: D15.1(b) to read: March 15, 2006 – Completion of valve chamber base slab and pipe supports ready for installation of Yard Piping components.
- Revise: D23.1 to read: Further to GC:12, payment shall be in accordance with the following payment schedule:
 - (a) Ninety-five percent (95%) of the lump sum price of Item 1 in Form B: Prices will be paid on the basis of monthly progress estimates in accordance with GC:12 The remaining five percent (5%) will be paid upon satisfactory completion of a water leakage test of each of the wet cells.
 - (b) For Item 2 in Form B: Prices, the quantity that will be paid is the cumulative sum of pile lengths supplied and driven, measured in metres from the bearing end to the pile cutoff elevation.

PART E – SPECIFICATIONS

- Revise: E3.2(c) to read: Power supply for lighting and office plugs
- Replace: E6. entirely with: **E6. GROUNDWATER CONTROL**
 - E6.1 The Contractor is advised that operation of the Red River Floodway may cause high groundwater pressures in the till layer underlying the area of Work activities. The Contract Administrator will monitor groundwater levels at the Site.

- | | |
|----------------|---|
| (iv) Ramp Cars | number available = 1
deck width = 2.4 metres (9 metres length)
= 3.2 metres (5 metres length at ramp
end of car)
deck length = 14 metres
maximum load capacity = 50,000 kilograms
number available = 1
deck width = 2.4 metres
deck length = 6 metres
maximum load capacity = 40,000 kilograms |
| (v) Cabooses | number available = 1 |

- (b) The GWWD Railway right-of-way has sufficient horizontal clearances to transport loads up to 3.66 metres wide.

E12.2.2 Train Use and Scheduling

- (a) A train consists of one (1) locomotive, one (1) caboose and any combination of the remaining rolling stock identified in E12.1.2
- (b) A train crew shift consists of a train as previously described and the train crew (2 people). A third crew member will be added as required to operate the side dump cars during unloading. The maximum train crew shift duration allowed is 12 hours per calendar day.
- (c) The GWWD Railway can provide one (1) train crew for use on this project. Each train crew can work a maximum of one full train crew shift per calendar day and a maximum of ten (10) train crew shifts per fourteen (14) calendar day period.

E12.2.3 Transportation of Contractor's Equipment

- (a) Rolling stock identified in E12.1.2 will be made available to the Contractor for the transportation of equipment to and from the work area. Equipment shall be loaded at the GWWD Railway's St. Boniface Yards. Contractors are also advised that equipment such as an excavator will be required to raise and lower the steel equipment ramps on the ramp car.
- (b) Loading ramps are available at the St. Boniface Yards to load equipment onto flat cars.

E12.2.4 Transportation of Contractor's Fuel

- (a) It is incumbent upon the Contractor to arrange for the delivery of fuel to the work area in accordance with all Federal and Provincial requirements for the transportation and handling of fuel products.

E12.3

Tariffs

E12.3.1 The Contractor will be invoiced by the City of Winnipeg for use of the GWWD Railway equipment and personnel as detailed herein below.

E12.3.2 Charges for using GWWD Railway train(s), including the train crew(s), shall be

- (a) \$70.00/hour for the locomotive including the train crew
- (b) \$18.00/hour/car for each additional piece of rolling stock requested
- (c) minimum charge of eight (8) hours per trip
- (d) rolling stock and the locomotive charges shall not be subject to overtime charges
- (e) an additional \$87.00/hour overtime rate shall be charged for train crew time, for time in excess of eight (8) hours per day

- Add: **E13. SITE ACCESS ROAD**
- E13.1 The Contractor shall construct a granular site access road generally as shown on Drawing SK-2 and extending from the temporary bridge east of the Manitoba Hydro tower to the Clearwell site. Roadway to be six (6) metres in width and approximately two hundred (200) metres in length. Work to include excavation to subgrade elevation, subgrade preparation, woven geotextile to CW3130 standard, 200 mm of 100 mm down crushed limestone and 50 mm of 50 mm crushed limestone.
- E13.2 Payment for construction of the site access road will be included in the Lump Sum price, Item No. 1 – Construct Raw Water Pumping Station Foundation and Concrete Structures (excluding piles).
- Add: **E14. LIMITS OF EXCAVATION**
- E14.1 As indicated on Drawing SK-2, with the exception of the access ramp, the limit for shoring and excavation is six (6) metres from the perimeter of the Raw Water Pumping Station base slab.
- Add: **E15. DISPOSAL OF EXCAVATED MATERIAL**
- E15.1 Excavated material from the roadway and the Raw Water Pumping Station is to be disposed and levelled at the stockpile site west of Cell 3.
- Add: **E16. EMBEDS AND BLOCKOUTS**
- The attached table titled Embedment and Blockout List details the requirements for this Contract.
- As noted in D2.2(e), all costs associated with the identified embeds and blockouts shall be included in the Lump Sum price, Item No. 1, for the Raw Water Pumping Station.

Section 02223

- Revise: 1.4.1 to read: Submit Shop Drawings in accordance with Specification E10.
- Revise: 1.4.2 to read: Submit Shop Drawings for shoring system required in connection with excavation for the Raw Water Pumping Station (RWPS), in accordance with Specification E10, for review two (2) weeks prior to the commencement of Work.

Section 02451

This Specification section has been revised and has been replaced with Section 02451(R1) included in this Addendum.

Section 03300

This Specification section has been revised and has been replaced with Section 03300(R1) included in this Addendum.

Section 07550

This Specification section is applicable to the Work and is included in this Addendum as Section 07550(R1).

Section 15200-00S

This Specification section has been revised and has been replaced with Section 15200-00S(R1) included in this Addendum.

DRAWINGS

The following Drawings are applicable to the Work and are included in this Addendum:

Add: SK-1 WATER TREATMENT PLANT – GENERAL ACCESS
SK-2 WATER TREATMENT PLANT – GENERAL ACCESS

The following Drawings applicable to the Work have been revised as follows:

Replace: 1-0601I-A-S0101-001-00D with 1-0601I-A-S0101-001-01D
1-0601I-A-S0111-001-00D with 1-0601I-A-S0111-001-01D
1-0601I-A-S0131-001-00D with 1-0601I-A-S0131-001-01D
1-0601I-A-S0141-001-00D with 1-0601I-A-S0141-001-01D
1-0601I-A-S0201-001-00D with 1-0601I-A-S0201-001-01D
1-0601I-A-S0203-001-00D with 1-0601I-A-S0203-001-01D
1-0601I-A-S0204-001-00D with 1-0601I-A-S0204-001-01D
1-0601I-D-S0445-001-00D with 1-0601I-D-S0445-001-01D
1-0601I-D-S0447-001-00D with 1-0601I-D-S0447-001-01D
1-0601I-D-S0448-001-00D with 1-0601I-D-S0448-001-01D
1-0601I-A-H9122-001-00D with 1-0601I-A-H9122-001-01D
1-0601I-A-M9101-001-00D with 1-0601I-A-M9101-001-01D
1-0601I-A-M9202-001-00D with 1-0601I-A-M9202-001-01D

EMBEDMENT AND BLOCKOUT LIST (SEE E16)

Type	Piping Nominal Size (mm)	Sleeve Outside Dia. (mm) or Opening Size	Standard Detail Reference	Detail Drawing Reference	Service (Commodity)	Plant Area	Piping Specification Reference	Piping Material	Sleeve Material	Quantity	Remarks
Conduit sleeve	25	89	---		electrical conduit	Inlet Works, 3rd Level East	---	---	PVC	1	Use PVC pipe for sleeve
Lifting Eye	---	---	STD-3	WB-S0456	---	Inlet Works	---	---	---	3	Raw Water sluice gate and future screen removal
Pipe embed	75	---	STD-1 with 1 flange	WB-M9441	Drain (DRN)	Inlet Works	15200-03	Epoxy Coated/Lined Carbon Steel	---	4	Raw Water Pump cooling water drain.
Pipe embed	300	---	STD-1 with 1 flange	WB-M9441	Level Transmitter Sleeve (LTS)	Inlet Works	---	Sch. 80 PVC	---	2	Raw Water Wet Well level sensors.

Notes

1. Flanges to be ANSI 150# unless noted otherwise.