



## 432-2011 ADDENDUM 1

### BISON DRIVE AND PEMBINA HIGHWAY INTERSECTION IMPROVEMENTS

#### **URGENT**

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

ISSUED: July 5, 2011  
BY: Jeff Crang, P.Eng., PTOE  
TELEPHONE NO. (204) 453-2301

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

Template Version: A20070419

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**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.**

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#### **PART A – BID SUBMISSION**

Replace: 432-2011 Bid Submission with 432-2011 Addendum 1 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B(R1): Revised Pay Items, revised quantities and added pay item A.68.

#### **PART B –BIDDING PROCEDURES**

Revise B2.1 The Submission Deadline is 12:00 noon Winnipeg time, July 8, 2011.

#### **PART E – SPECIFICATIONS**

Replace: E13. with:

##### **E13. CN RAIL REQUIREMENTS**

E13.1 Description

E13.1.1 The Work to be done by the Contractor under this Specification shall include the furnishing of all superintendence, overhead, labour, materials, equipment, tools, supplies, and all things necessary for and incidental to the satisfactory performance and completion of all Works as hereinafter specified.

E13.2 General Requirements

E13.2.1 The Contractor shall be responsible to meet all Canadian National (CN) constraints, requirements, and safety measures within the CN Rail right-of-way.

E13.2.2 The Contractor shall not enter into CN property at any time unless he has obtained an agreement from CN and adheres to CN safety measures. All employees must complete the contractor orientation course prior to working within the CN right-of-way.

E13.2.3 The Contractor shall arrange to have CN supply a flag person for all activity on the CN right of way.

E13.2.4 CN Guidelines and Sample Work Permit are included in Appendix B.

E13.2.5 The Contractor shall contact CN to commence the work permit and approvals process at:

Tim McCrindle  
[Tim.McCrindle@CN.CA](mailto:Tim.McCrindle@CN.CA)  
CN Utilities Coordinator  
PH: (204) 231-7805

E13.3 Measurement and Payment

E13.3.1 CN Rail Requirements

- (a) CN Rail Requirements will be measured on a unit basis and will be paid for at the Contract Lump Sum Price for "CN Rail Flagging". Payment will be made upon completion of all construction work within the CN right of way and will be compensation for all costs associated with the work described in this specification including but not limited to CN flagging costs.

Revise: E14.2.6 (b) (v) to read: Cement - shall be as specified in E14.2.5

Revise: E21.2.1 to read: Further to Standard Construction Specification CW 3650, all guardrail components to be salvaged, including hardware, shall be delivered to the City of Winnipeg Bridge Storage Yard at 849 Ravelston Ave. Winnipeg, MB, R3W 1S8. Prior to delivery the Contractor shall contact Mike Tereleski (204-794-8510) to confirm an appropriate date and time to deliver the salvaged parts. At the storage yard, the Contractor shall off-load the salvaged material with his own labour and equipment and place in the designated location indicated by the City Bridge Inspectors and as directed by the Contract Administrator.

Add: E31. WOODEN BOLLARDS

### **E31. WOODEN BOLLARDS**

E31.1 Description

E31.1.1 General

- (a) This specification covers the supply and installation of wooden bollards.  
(b) Supply and installation as per following specification and the Contract Drawings.

E31.2 Materials

E31.2.1 Wooden Bollards

- (a) The (uprights) shall be 8" (in) x 10" (in) x 8' (ft) timbers, S4S, square edge to CSA 080, pressure treated pine or fir to National Lumber Grades Authority standard grading rules, all kiln dried to a maximum moisture content of 19%.
- (b) Detailing shall be ¼" (in) radius on all exposed edges except on reveille and top peak, 1" (in) dado reveille 4" (in) from top of timber on all four sides, peaked 1" (in) relief on top of timber, equal distant front and back.
- (c) Colour finish shall be a solid colour deck & siding stain, Flood – FloodPro Series #428 (Pebblestone Clay).
- (d) All timber bollards shall be free of defects, warping, checked or bent materials as they will be rejected.
- (e) Timber bollards shall be identified by an official grade mark, continuing symbol of grading agency, mill number or name, grade of lumber, species or species grouping or combination designation, rules under which grade and conditions of seasoning at time of manufacture.

E31.2.2 Crushed Limestone Base

- (a) Supply crushed limestone base as per CW 3110.

E31.3 Construction Methods

E31.3.1 Removal of existing bollards

- (a) Utilize appropriate equipment to excavate around bollard and pull out of ground.
- (b) Protect the public and site from damage during removal.
- (c) If bollard breaks and a portion remains embedded, demolish to 300 mm below grade.
- (d) Backfill hole with crushed limestone base course as per Clause 2.2 of CW 3110. Tamp and compact base course to satisfaction of Contract Administrator.
- (e) Dispose of bollard off-site.

E31.3.2 Installation of wooden bollards

- (a) Install bollards as per Contract Drawings.

E31.4 Measurement and Payment

E31.4.1 Wooden Bollards

- (a) The supply and installation of wooden bollards will be measured on a unit basis per bollard and paid for at the Contract Unit Price for "Wooden Bollards". The number to be paid for will be the total number of bollards supplied and installed in accordance with this specification, accepted and measured by the Contract Administrator.

**DRAWINGS**

Replace: 432-2011\_Drawing\_P-3327-2-R1 with 432-2011\_Drawing\_P-3327-2-R2

432-2011\_Drawing\_P-3327-3-R1 with 432-2011\_Drawing\_P-3327-3-R2

432-2011\_Drawing\_P-3327-8-R1 with 432-2011\_Drawing\_P-3327-8-R2

432-2011\_Drawing\_P-3327-11-R1 with 432-2011\_Drawing\_P-3327-11-R2

432-2011\_Drawing\_P-3327-12-R1 with 432-2011\_Drawing\_P-3327-12-R2

432-2011\_Drawing\_P-3327-13-R1 with 432-2011\_Drawing\_P-3327-13-R2

432-2011\_Drawing\_P-3327-16-R1 with 432-2011\_Drawing\_P-3327-16-R2

432-2011\_Drawing\_P-3327-19-R1 with 432-2011\_Drawing\_P-3327-19-R2

432-2011\_Drawing\_P-3327-21-R1 with 432-2011\_Drawing\_P-3327-21-R2

432-2011\_Drawing\_P-3327-23-R1 with 432-2011\_Drawing\_P-3327-23-R2