



## 228-2006 ADDENDUM 3

Transit Improvement Projects

### **URGENT**

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

ISSUED: April 26, 2006  
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**THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS**

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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 9 of Form A: Bid may render your Bid non-responsive.**

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### **PART A – BID SUBMISSION**

Note: specification references for items A25 and A26 were missing. Specification reference to be E28 a follows.

### **PART E – SPECIFICATIONS**

Add:

#### **E28. ELECTRICAL**

- E28.1 General Provisions
  - E28.1.1 Furnish all labour, new material, equipment and services for the complete installation of the electrical Work as shown on the plans and specified.
  - E28.1.2 Conform to all Codes and pay all Fees. Upon completion, present a "Certificate of Approval" for electrical Work from the Inspection Department.
  - E28.1.3 Examine the Site and local conditions affecting the Work under this contract.
  - E28.1.4 Refer to associated drawings and specifications for electrical Work in connection therewith.
  - E28.1.5 Install all Work promptly and in advance of concrete pouring and/or construction.
  - E28.1.6 The Electrical Trade shall be responsible to make good all "Cutting and Patching" required by his section of the Contract. Include all trenching and backfilling.
  - E28.1.7 All Work shall be executed in a first class and workmanlike manner. All supports, hangers, and securing devices shall be solid and substantial. All Work shall be laid out neatly in its mechanical appearance. It shall be logically arranged for simplicity of installation and accessibility.
  - E28.1.8 Provide corrected "as-built" drawings on completion of the project. All underground services shall be indicated on as-builts and dimensioned. Provide shop drawings for approval of all major electrical items. Provide three (3) copies of manufacturers maintenance instructions bound in hard covered book for each piece of major electrical equipment.
  - E28.1.9 Provide drawings Stamped by an Electrical Engineer licensed to practice in the Province of Manitoba showing all electrical requirements for the heated shelter at University of Manitoba

based on drawings provided by Winnipeg Transit and on site existing conditions of power pedestal.

- E28.1.10 Identify circuits/equipment with lamacoid nameplates.
- E28.1.11 "Temporary Lighting and Power" shall be provided by the General Contractor.
- E28.1.12 All electrical apparatus shall be properly grounded according to the latest edition of the "Canadian Electrical Code"
- E28.1.13 All equipment, wiring, conduit, grounding, seals, etc., shall be in compliance with the "Canadian Electrical" and local "Codes". Wiring in finished grade shall be in rigid PVC conduits, complete with ground conductor.
- E28.1.14 Wiring shall be copper, RWU-90, insulated, minimum #12 AWG.
- E28.1.15 Wire and connect to shelter at University of Manitoba from the existing power pedestal where indicated, approximately 30m length. Provide lockable, weatherproof disconnect switches for shelter. Locate as directed on Site.
- E28.1.16 Disconnect of existing wiring for vending machine at Osborne Exchange and supply and installation of new wiring to match existing is by others and is not included in the Work.
- E28.1.17 Supply and install conduit for MTS phone booth in existing shelter at Osborne Exchange, approximately 12m in length. Contact David Driedger at 941-5955. Core into existing shelter in location as indicated on site for connection.
- E28.1.18 Co-ordinate installation with Manitoba Hydro. Installation to conform with all requirements.
- E28.1.19 The base for the shelter will be provided under section E20. Contractor to co-ordinate location of sleeves.
- E28.1.20 Provide ground rod and grounding connections to suit Manitoba Hydro and City of Winnipeg Inspection Department.

## Responsibilities

### General

- E28.2 Electrical Work will be performed by various parties. The description of the Work and responsibility for same is described below.

### LIST OF FIRMS/UTILITIES

C	-	Contractor
MH	-	Manitoba Hydro
WT	-	Winnipeg Transit
MTS	-	MTS

### E28.3 Specific Items & Responsibility

- 1. Trenching  
Street Crossover & Electrical Services - C
- 2. Backfilling and Surface Restoration - C
- 3. Shelter  
Base - C  
Wired - C
- 4. Services  
Conduit by - EC  
Wiring by - EC  
Telephone Lines -MTS

Contractor to co-ordinate with Winnipeg Transit and MTS.

**Method of Measurement / Basis of Payment**

E28.4 Electrical Work for each location will be measured and paid on a lump sum basis which price shall be payment in full for completing all operations herein described and all other items incidental to the Work included in this Specification