



34-2010 ADDENDUM 3

SOUTHWEST RAPID TRANSIT CORRIDOR – STAGE 1: TRANSITWAY CONSTRUCTION, LANDSCAPING & ASSOCIATED WORKS

URGENT

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

ISSUED: April 26, 2010
BY: Taran J Peters, P.Eng
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

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: 34-2010 Bid Submission with 34-2010 Addendum 3 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B (R1): Replace Form B with Form B (R1)

Page numbering on some forms may be changed as a result.

PART D – SUPPLEMENTAL CONDITIONS

Add: D2.3 Notwithstanding the changes in work, the City reserves the right to add additional work at the Contract unit prices provided.

Revise: D15.4(b) to read: The top 1.0 m of Site overburden is not to be removed from Site and is to be placed as per the drawings or otherwise directed by the Contract Administrator.

PART E – SPECIFICATIONS

Add the following drawings to E1.3:

<u>Drawing No.</u>	<u>Drawing Name/Title</u>
P-3317-73	Electrical – Via Parking Lot Riser Diagram
P-3317-74	Electrical – Via Rail Station Parking Lot Demolition
P-3317-75	Electrical – Via Parking Lot Block Heater Receptacles
P-3317-76	Electrical – Via Parking Lot Panel Schedules
P-3317-77	Electrical – Existing Transit Lot Receptacle Riser Diagram A
P-3317-78	Electrical – Existing Transit Lot Receptacle Riser Diagram B
P-3317-79	Electrical – Transit Base Parking Lot Demolition
P-3317-80	Electrical – Transit Lot Receptacle Riser Diagram A
P-3317-81	Electrical – Transit Lot Receptacle Riser Diagram B
P-3317-82	Electrical – Transit Base Parking Lot Electrical Installation
P-3317-83	Electrical – Transit Base Parking Lot Lighting Installation
P-3317-84	Electrical – Panel Scheduling

Revise: E27.15(f) to read: Seeded Areas: 150 mm

- Revise: E31.4 to read: Topsoil for top 150 mm of seed areas to be weed free topsoil as supplied and installed by Native Plant Solutions. Contact Glen Koblun 953-8206.
- Revise: E31.5.2 to read: Installation of 150 mm of topsoil for seed areas to be by Native Plant Solutions.
- Delete: E41.5 and E41.14

Replace E46 with the following:

E46 EXCAVATION AND FILL MATERIAL

DESCRIPTION

E46.1 General

- (a) This specification shall cover the removal, relocation and provision of excavation and fill material within the project site as approved by the Contract Administrator.
- (b) This specification shall supplement the COW specification for Earthwork and Grading CW3170.

MATERIALS

E46.2 As per City of Winnipeg Specification CW3170.

CONSTRUCTION METHODS

E46.3 Excavation of Roadway and Ditch

- (a) As per City of Winnipeg Specification CW3170.
- (b) As per D15, the top one meter of excavated material, whether from roadway excavation, ditch excavation or grading, or from another location where excavation is taking place will be required to stay within the project limits unless otherwise directed by the Contract Administrator. This shall be for excavation from Section A, B, and C in Form B: Prices.

E46.4 Excavation of Stockpiles

- (a) As per City of Winnipeg Specification CW3170.
- (b) As per D15, the material making up the stockpiles contains material previously excavated from the top one meter of excavated material and will be required to stay within the project limits as directed by the Contract Administrator.
- (c) Excavation of Stockpiles will include but may not be limited to:
 - (i) Stockpile currently at the site just south of the VIA Rail entrance at Brandon Street.
 - (ii) Stockpiles currently at the site near existing CN access way off of Lilac Street between Rathgar Avenue and Beresford Avenue.
- (d) The excavated material shall be placed in the berms on the east side of the roadway and to the elevations shown on the drawings and as specified in E27 and E31.
- (e) The Contractor shall remove large concrete pieces and steel off site that may be found in the stockpiles to the satisfaction of the Contract Administrator, where removal of these items will be paid for as per E39.

E46.5 Topsoil Excavation

- (a) As per City of Winnipeg Specification CW3170.
- (b) Topsoil excavation will take place in the area of Jubilee in preparation for the embankment work.
- (c) The excavated material shall be hauled away as directed by the Contract Administrator.

E46.6 Placement of excavated material outlined in E46.3 and E46.4 above shall be done in accordance with CW 3170 and as specified on the drawings. All material of this type shall be placed in the berms as shown on the drawings to a height no greater than the height specified in E27 and E31. This shall take into account the

required material needed for placement of trees, plant material, native grasses or any other landscape item described within the drawings or specifications. In addition, the placement of this material shall be uniformly distributed throughout the project site while building up the berms to ensure that this less desirable material is used to build up the bottoms of the berms as much as possible.

E46.7 Supply of Fill Material

- (a) As per City of Winnipeg Specification CW3170.
- (b) Supply of fill material shall be brought in from a location approved by the Contract Administrator and the material shall be of quality acceptable to the Contract Administrator. Fill material brought in shall be utilized in the three locations specified below:
 - (i) Material for seeded areas as described in E27 and E31 and in accordance with the drawings.
 - (ii) Material for Jubilee embankment as described in D19.1.2 (a) and in accordance with the drawings
 - (iii) Material for berm construction.

MEASUREMENT AND PAYMENT

E46.8 Excavation of Roadway and Ditch

- (a) Excavation of roadway and ditch material will be measured on a volume basis and paid for at the Contract Unit Price per cubic meter for "Excavation of Road and Ditch". The volume to be paid for shall be the total number of cubic meters that are excavated as calculated from the measurements taken by the Contract Administrator. This pay item shall include the excavation, placement and compaction of the material in accordance with this specification, accepted and measured by the Contract Administrator. No additional payment will be made to the Contractor for double handling of material unless previously agreed to by the Contract Administrator, nor will additional payment be made for any length of haul distance within the project site, regardless of the length of haul should an excess of material at one end of the project be needed at the opposite end.

E46.9 Excavation of Stockpiles

- (a) Excavation of stockpile material will be measured on a volume basis and paid for at the Contract Unit Price per cubic meter for "Excavation of Stockpile". The volume to be paid for shall be the total number of cubic meters that are excavated as calculated from the measurements taken by the Contract Administrator. This pay item shall include the excavation, placement and compaction of the material in accordance with this specification, accepted and measured by the Contract Administrator. No additional payment will be made to the Contractor for double handling of material unless previously agreed to by the Contract Administrator, nor will additional payment be made for any length of haul distance within the project site, regardless of the length of haul should an excess of material at one end of the project be needed at the opposite end.

E46.10 Excavation of Topsoil

- (a) Excavation of topsoil material will be measured on a volume basis and paid for at the Contract Unit Price per cubic meter for "Excavation of Topsoil". The volume to be paid for shall be the total number of cubic meters that are excavated as calculated from the measurements taken by the Contract Administrator. This pay item shall include the hauling of the excavated material to a location approved by the Contract Administrator.

E46.11 Fill Material for Seeded Areas

- (a) Fill material for 46.7 (b) i) will be measured and paid for as per E27 and E31.

E46.12 Fill Material for Embankment and Berm Construction

- (a) Fill material for 46.7 (b) ii) and iii) will be measured on a volume basis and paid for at the Contract Unit Price per cubic meter for "Fill Material". The volume to be paid for shall be the total number of cubic meters compacted and in place as calculated from the measurements taken by the Contract Administrator. This pay item shall include the supply of borrow material acceptable to the Contract Administrator, haulage to the site, placement and compaction of the material in accordance with this specification, accepted and measured by the Contract Administrator. No additional payment will be made to the Contractor for double handling of material unless previously agreed to by the Contract Administrator.

Add: E52

E52 COMMUNICATION TIE LINE

SCOPE OF WORK

E52.1 General

- (b) The Work comprises the furnishings of all labour, equipment, services and materials required to complete the supply and installation of a communication tie line with service boxes.
- (c) This Specification shall be supplemental to the City of Winnipeg Specification CW 3620.
- (d) Bidders are reminded that requests for approval of substitutes as an approved equal or an approved alternative shall be made in accordance with B6.

MATERIAL

E52.2 The Contractor shall supply polyethylene duct pipe in accordance with the requirements hereinafter specified.

E52.3 As defined in ASTM D 1248, PE compound used in the production run(s) for the entire quantity of pipe to be supplied under this contract shall be from one (1) manufacture and shall be certified as PE 14.

E52.4 As defined in clauses 5.1.1 and 5.1.2 of the CSA Standard B137.1 – M1983, duct pipe shall conform to the dimensional requirements of nominal pipe size 2" (in) I.D. sized pipe, series 75.

- (a) 2" (in) pipe shall be 52.0 to 52.7 mm inside diameter (ID) and have a wall thickness of 5.44 (-0 +0.54) mm.

E52.5 The Contractor shall supply the polyethylene duct pipe identified above in coiled seventy-five (75) meter or two hundred and fifty (250) foot lengths.

E52.6 Precast Service Boxes shall be as per City of Winnipeg Standard Detail ST-135, with the lids manufactures with the label "TRANSIT" on the top.

E52.7 The Contractor shall supply all materials to complete the Works described within this specifications. No material will be supplied by the City of Winnipeg.

E52.8 No cable shall be supplied or installed as part of this specification.

CONSTRUCTION METHODS

E52.9 Construction Methods shall be as per CW 3620.

E52.10 Placement location of the conduit shall be at the outside edge of the roadway excavation on top of the base course material, as directed by the Contract Administrator. Conduit shall run from the north project limit of the corridor, along the rapid transit corridor, to the south limit of the corridor and surface at each service box and at each station.

E52.11 Placement of the precast service boxes shall be in 100 – 120 m intervals, in reasonable locations, as directed by the Contract Administrator, with one box at each end of each station.

E52.12 There shall be two conduits as described in E52.6 placed side by side within the excavation for the entire length.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

E52.13 Two conduits placed side by side for communication tie line will be considered one entity and will be measured singly on a lineal basis and paid for at the Contract Unit Price per lineal meter for "Communication Tie Line". The length to be paid for will be the total number of meters placed in accordance with this specification,

accepted and measured by the Contract Administrator. Supply and installation of the precast service boxes shall be incidental to the supply and placement of the conduit.

Add: E53

E53 ELECTRICAL

<u>Section</u>	<u>Title</u>	<u>Pages</u>
<u>Division 26 - Electrical</u>		
26 05 01	Electrical General Provisions 7	5
26 05 21	Building Wires 1	1
26 05 28	Grounding - Secondary 2	4
26 05 32	Outlet Boxes, Conduit Boxes and Fittings 1.....	1
26 05 34	Conduits, Conduit fastening and Conduit Fittings 2	3
26 05 44	Installation of Cables in Trenches and in Ducts	2
26 24 17	Panelboards Breaker Type	3
26 28 21	Moulded Case Circuit Breakers	1
26 29 03	Control Devices.....	2
26 50 00	Lighting.....	3

DRAWINGS

Replace: 34-2010_Drawing_P-3317-55-R2 with 34-2010_Addendum_3-Drawing_P-3317-55-R3

- Add: 34-2010 _Drawing_P-3317-73-R1
34-2010 _Drawing_P-3317-74-R1
34-2010 _Drawing_P-3317-75-R1
34-2010 _Drawing_P-3317-76-R1
34-2010 _Drawing_P-3317-77-R1
34-2010 _Drawing_P-3317-78-R1
34-2010 _Drawing_P-3317-79-R1
34-2010 _Drawing_P-3317-80-R1
34-2010 _Drawing_P-3317-81-R1
34-2010 _Drawing_P-3317-82-R1
34-2010 _Drawing_P-3317-83-R1
34-2010 _Drawing_P-3317-84-R1

APPENDIX 'B' – CN SAFETY REQUIREMENTS

Appendix 'B' – CN Safety Requirements.