



97-2009 ADDENDUM 2

SOUTHWEST RAPID TRANSIT CORRIDOR – STAGE 1: TRANSITWAY CONSTRUCTION, DONALD/HARKNESS RECONSTRUCTION & ASSOCIATED WORKS

URGENT

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

ISSUED: May 19, 2009
BY: Taran J Peters, P.Eng
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**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: 97-2009 Bid Submission with 97-2009 Addendum 2 - Bid Submission. The following is a summary of changes incorporated in the replacement Bid Submission:

Form B (R1):

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

PART B – BIDDING PROCEDURES

Revise: B15.1 to include: The City of Winnipeg, in its sole discretion after consideration of the Contractor's performance on Bid Opportunity No. 97-2009, may negotiate and enter into a contract change with the Contractor, to undertake the work associated with the construction of the Harkness Avenue Retaining Wall during the fall of 2009, without a public bid solicitation. The City will provide terms, Construction Specifications and other details if it initiates negotiations with the Contractor. No compensation will be provided to the Contractor for participating in this negotiation. The City of Winnipeg will be under no obligation to initiate negotiations or enter into an agreement for this Work, and may choose to issue a public bid solicitation for the Work with respect to the Harkness Retaining Wall or include in a future Bid Opportunity. Should the City of Winnipeg choose to go to a separate Bid Opportunity to obtain an outside Contractor, the Contract for the Harkness Retaining Wall discussed herein will be completed by May 1, 2010. In addition, the Contractor of Bid Opportunity 97-2009 shall then provide access to the Site at the location of the Harkness Retaining Wall between November 1, 2009 and May 1, 2010.

PART E – SPECIFICATIONS

Add: E23.6.2

E23.6.2 CIP Reinforced Concrete Decorative Planter will be measured on a linear metre basis. The length to be paid for shall be the total number of linear metres installed in accordance with this Specification and acceptable to the Contract Administrator, as computed from measurements made by the Contract Administrator.

Add: E23.7.2

E23.7.2 CIP Reinforced Concrete Decorative Planter will be paid for at the Contract unit price per linear metre for "CIP Reinforced Concrete Decorative Planter", measured as specified herein, which price shall be payment in full for performing all operations herein described and all other items incidental to the Work included in this Specification.

Revise E26.6.1 to read:

E26.6.1 Construction of cast-in-place concrete pile foundations, including supply and installation of anchor bolts and steel template, will not be measured and will be paid for at the Contract Lump Sum Price per pile per Site for the "Items of Work" listed here below for concrete piles constructed in accordance with this Specification and accepted by the Contract Administrator. In the locations where a concrete barrier is to be constructed together with the pile, all sawcutting, removal of slip formed concrete barrier, formwork, supply and installation of reinforcing steel, dowels, structural concrete, anchor bolts and steel template shall be included in the measurement and payment as listed below.

Items of Work:

- Cast-in-Place Concrete Pile Foundations
(i) Bored Excavation with Concrete Barrier

Revise E28.5.3 to read:

E28.5.3 No payment will be made for the excavation or compaction of the sub-grade for the areas listed as rough grading for sodded and seeded areas, as this shall be incidental to this specification.

Replace E38 with the following:

E38. CONCRETE SIDEWALK WITH GUIDANCE SYSTEM

E38.1 Description

E38.1.1 This specification shall cover the supply and installation of concrete sidewalk with a guidance system.

E38.1.2 All Work in this section shall be to City of Winnipeg Specification CW 3325 for Supply and Installation of Concrete Sidewalk.

E38.2 Materials

E38.2.1 Detectable Guidance System in sidewalk shall be 4" X 24" detectable directional tile. Colours shall be in brick red and ocean blue by Armor-Tile as supplied by:

Alsip's Industrial Products
1 Cole Ave
Winnipeg MB, R2L 1J3
Ph: 204-667-3330
Attn. Jason Alsip

Additional information on the material can be found at:

http://www.armor-tile.com/detectable_guidance_system.html

E38.3 Installation

E38.3.1 Further to specification CW 3325 the Contractor shall construct the proposed concrete sidewalk with thickened edges in the locations of the guidance system as shown on the Drawings.

E38.3.2 All costs in connection with the additional grading, forming, and concrete as a result of the thickened edges shall be incidental to the cost of the pay items listed below.

- E38.3.3 The concrete sidewalk shall be poured such that the guidance system and sidewalk act as a monolithic section.
- E38.3.4 Install all directional tile materials for the guidance system to manufacturer's specifications. Position and shape of materials as per Drawings and as directed on-site by Contract Administrator. The approximate quantity of Red Brick Guidance System and Ocean Blue Guidance System is estimated at 1375 lineal metres each.
- E38.3.5 The concrete sidewalk with guidance system along Stradbroke Avenue from Harkness Avenue to Queen Elizabeth Way will include a 150 mm (exposed height) curb placed along the landscaping side of the sidewalk as per the Contract Drawings. The total length of curb will be approximately 225 m and shall be placed as per City of Winnipeg Standards. The installation of the curb including all supply of materials shall be incidental to the pay items listed below.
- E38.3.6 In locations where concrete sidewalk with guidance system is to be placed as monolithic curb and sidewalk, it shall be paid for the same as the locations to be placed as sidewalk butting up to an existing curb.
- E38.3.7 All saw cutting required shall be incidental to the Work described in the specification. All sawcut joints shall be laid out as shown on the drawings and are subject for review and approval by the Contract Administrator prior to construction. All saw cutting performed to City of Winnipeg specifications.
- E38.4 Method of Measurement
- E38.4.1 Supply and installation of concrete sidewalk will be measured on an area basis. The surface area to be paid for shall be the total number of square metres supplied in accordance with the specifications and accepted by the Contract Administrator, as measured and accepted by the Contract Administrator.
- E38.5 Basis of Payment
- E38.5.1 Supply and installation of concrete sidewalk with guidance system will be paid for at the Contract unit price per square metre for "Concrete Sidewalk with Guidance System", measured as specified herein, which price shall be payment in full for supplying all materials including base course, concrete sidewalk, and guidance system tiles as required and performing all operations herein described and all other items incidental to the Work included in this specification.

ADD:

E40 SALT RESISTANT TOPSOIL AND SEEDING

- E40.1 Description
- E40.1.1 General
- (a) Further to CW 3520-R7 and CW3540-R5, this specification covers supply and placement of salt resistant topsoil and seed adjacent to regional streets.
 - (b) Referenced Standard Construction Specifications
 - (i) CW 3520-R7 – Seeding
 - (ii) CW3540-R5 – Topsoil and Finish Grading for Establishment of Turf Areas
- E40.2 Materials
- E40.2.1 Topsoil
- (a) Topsoil along regional streets shall be a peat and sand mixture composed of: Sixty percent (60%) peat and forty percent (40%) sand.
- E40.2.2 Seed
- (a) Seeding shall conform to the standards outlined in CW 3520-R7, Clause 5.
 - (b) The seed mixture shall be composed of:

Fifty Five percent (55%) Slender wheatgrass, twenty percent (20%) Walsh Western wheatgrass, fifteen percent (15%) Northern wheatgrass and ten percent (10%) Green needlegrass.

E40.3 Construction Methods

E40.3.1 Topsoil

- (a) Prior to placing topsoil, all sub-grade areas except in areas within the edge of a tree canopy (or drip line) shall be scarified to a minimum depth of 50 mm. The Contractor shall use soil scarifying or pulverizing equipment suitable for the area involved and to the satisfaction of the Contract Administrator.
- (b) The peat and sand topsoil mix shall be applied to a minimum 50 mm compacted depth.

E40.3.2 Seed

- (a) Seed, hydro-mulching, and maintenance shall be applied as per CW 3520-R7, Clause 9.
- (b) Seeding shall be sown at a rate of 2.2 kg per 100 square meters.

E40.4 Measurement and Payment

E40.4.1 Topsoil

- (a) Measurement and Payment for topsoil as per CW 3540-R5, Clause 12 and 13.

E40.4.2 Seed

- (a) Measurement and Payment for seed as per CW 3520-R7, Clause 12 and 13.

ADD:

E41 PROTECTIVE GRAFFITI COATING

General

Scope of Work

- E41.1 The Work comprises the furnishings of all labour, equipment, services and materials required to complete the application of Graffiti Coating on all vertical concrete surfaces, including but not limited to Decorative Planters and exposed portions of concrete foundation.

Related Works

- E41.2 Contractor shall visit the Site and verify all data and dimensions and report any errors, omissions, or discrepancies to the Contract Administrator prior to any installation.

Submittals

- E41.3 Include sample of material.
- E41.4 Provide product data on specified product, describing physical characteristics and maintenance instructions.

Material

- E41.5 Graffiti Coating: #M74-001/M75 Aliphatic Acrylic Urethane Gloss Clear Finish by Benjamin Moore and Co. Contact Portage Avenue Paints, Phone 788-0303.
- E41.6 Accessories and Application Equipment: As per manufacturer's specifications.

Execution

- E41.7 Surface Preparation and application of Graffiti Coating to be executed as per manufacturer's specification.

- E41.8 Surface Preparation: Remove all loose particles, laitance, oil, grease, form release agents and any other contaminants. New concrete and masonry must be allowed to cure for a minimum of 28 days. Before painting, roughen the surface by abrasive blasting, acid etching or scarifying.
- E41.9 Due to the rapid dry of this coating, only small areas may be coated by brush, applicator pad or roller. Care must be taken to achieve the specified wet and dry film thickness. Uniform even coats must be obtained. This paint is best applied by spray, however, this type of application may not be permitted on-site and must be reviewed and approved by the City of Winnipeg Health Department prior to start of application.
- E41.10 Contractor to install Graffiti Coating on cleaned concrete surface.
- E41.11 Graffiti Coatings to be installed as per manufacturer's specifications and as directed by Contract Administrator on-site.
- E41.12 Maintain Graffiti Coating on all vertical concrete surfaces for a period of five (5) years

Method of Measurement and Basis of Payment

- E41.13 Graffiti Coating shall be incidental to unit prices Bid for vertical concrete elements under this Contract.

DRAWINGS

- Replace: 97-2009_Drawing_P-3299-04-R2 with 97-2009_Addendum_2_Drawing_P-3299-04-R3
- Replace: 97-2009_Drawing_P-3299-05-R2 with 97-2009_Addendum_2_Drawing_P-3299-05-R3
- Replace: 97-2009_Drawing_P-3299-07-R2 with 97-2009_Addendum_2_Drawing_P-3299-07-R3
- Replace: 97-2009_Drawing_P-3299-19-R2 with 97-2009_Addendum_2_Drawing_P-3299-19-R3
- Replace: 97-2009_Drawing_P-3299-21-R2 with 97-2009_Addendum_2_Drawing_P-3299-21-R3
- Replace: 97-2009_Drawing_P-3299-22-R2 with 97-2009_Addendum_2_Drawing_P-3299-22-R3
- Replace: 97-2009_Drawing_P-3299-25-R2 with 97-2009_Addendum_2_Drawing_P-3299-25-R3
- Replace: 97-2009_Drawing_P-3299-31-R2 with 97-2009_Addendum_2_Drawing_P-3299-31-R3
- Replace: 97-2009_Drawing_P-3299-35-R2 with 97-2009_Addendum_2_Drawing_P-3299-35-R3
- Replace: 97-2009_Drawing_P-3299-36-R2 with 97-2009_Addendum_2_Drawing_P-3299-36-R3
- Replace: 97-2009_Drawing_P-3299-41-R2 with 97-2009_Addendum_2_Drawing_P-3299-41-R3
- Replace: 97-2009_Drawing_P-3299-44-R2 with 97-2009_Addendum_2_Drawing_P-3299-44-R3
- Replace: 97-2009_Drawing_P-3299-47-R2 with 97-2009_Addendum_2_Drawing_P-3299-47-R3
- Replace: 97-2009_Drawing_P-3299-49-R2 with 97-2009_Addendum_2_Drawing_P-3299-49-R3
- Replace: 97-2009_Drawing_P-3299-52-R2 with 97-2009_Addendum_2_Drawing_P-3299-52-R3
- Replace: 97-2009_Drawing_P-3299-55-R1 with 97-2009_Addendum_2_Drawing_P-3299-55-R2
- Replace: 97-2009_Drawing_P-3299-56-R1 with 97-2009_Addendum_2_Drawing_P-3299-56-R2
- Replace: 97-2009_Drawing_P-3299-58-R2 with 97-2009_Addendum_2_Drawing_P-3299-58-R3