



345-2016 ADDENDUM 1

2016 NORTHEAST EXCHANGE DISTRICT STREET RENEWALS

URGENT

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

ISSUED: June 6, 2016
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THIS ADDENDUM SHALL BE INCORPORATED INTO THE BID OPPORTUNITY AND SHALL FORM A PART OF THE CONTRACT DOCUMENTS

Template Version: A20150806

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: 345-2016 Bid Submission with 345-2016 Addendum 1 Bid Submission.

The following is a summary of changes incorporated in the replacement Bid Submission:

- Form B (R1): Revise Item A.24 (i) (a) to read “Trenchless Installation, Class B Type 1 Bedding, Classing 1 Backfill”.
- Form B (R1): Revise Item A.24 (ii) (a) to read “Trenchless Installation, Class B Type 1 Bedding, Classing 1 Backfill”.
- Form B (R1): Add Item No. A34
- Form B (R1): Revise Item B.12 to read “300 x 151 x 100 Broadway Paver, Antique Brown Colour - museum loading area sidewalk”
- Form B (R1): Revise Quantities for Item D.7

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

PART E – SPECIFICATIONS

Add: E33.SUPPLY AND INSTALL WATERMAIN AND WATER SERVICE INSULATION

DESCRIPTION

- E33.1 Notwithstanding 3.12 of CW 2110, this Specification covers the supply and installation of insulation in roadway excavations over watermains and water services.
- E33.2 Referenced Standard Construction Specifications:
 - (a) CW 2030 – Excavation Bedding and Backfill
 - (b) CW 3110 – Sub-grade, Sub-base and Base Course Construction
- E33.3 Referenced Standard Details:
 - (a) SD-018 – Watermain and Water Service Insulation

MATERIALS

E33.4 Acceptable insulation is:

(a) Extruded Polystyrene rigid foam insulation – Type 4, 4" in thickness.

DOW - Roofmate or Highload 40,

Owen's Corning Foamular 350 or Foamular 400.

2" X 48" X 96", 2" X 24" X 96", 4" X 24" X 96"

E33.5 Sand Bedding:

(a) In accordance with CW 2030

CONSTRUCTION METHODS

E33.6 Prior to the installation of any sub-base material or geotextile material, locate all existing water services.

E33.7 Further to SD-018, where directed by the Contract Administrator, excavate the sub-grade to allow the top of the insulation to be installed flush with the surrounding sub-grade. Install the insulation on a level surface centered over the located watermain or water service for the full width of the roadway excavation. Install sand bedding if required to level the surface.

E33.8 Stockpile and dispose of excavated material in accordance with CW 3110.

E33.9 Thickness of insulation is 100 mm (4"). If using 50 mm (2") panels, two (2) layers are required. Total width of insulation to be as directed by the Contract Administrator. Place sufficient full width panels to meet or exceed the specified width.

E33.10 Place insulation panels adjacent to each other over the specified area with no gaps between the panels and less than 15mm of elevation difference along the adjoined edges. Where 2" thick panels are being used, offset the top layer to prevent the panel joints from aligning with the joints in the lower layer.

E33.11 Use full panels of insulation where possible. Where necessary cut insulation panels to obtain coverage to specified lengths. Insulation pieces shall be a minimum dimension of 300 mm in width or length.

E33.12 Take appropriate measures to ensure panels are not displaced when installing geotextiles and during backfilling operations.

MEASUREMENT AND PAYMENT

E33.13 Watermain and Water Service Insulation shall be measured on an area basis and paid for at the Contract Unit Price per square metre of "Watermain and Water Service Insulation". The area to be paid for shall be the total square metres of watermain and water service insulation supplied and installed in accordance with this specification, accepted and measured by the Contract Administrator.

E33.14 Excavation of the roadway subgrade in accordance with E33.7 will not be measured for payment and will be included in the payment for "Watermain and Water Service Insulation".