



372-2012 ADDENDUM 2

2011 GRANULAR ROADWAY IMPROVEMENTS – MURRAY AVENUE – PART 1: 2012 WORKS, PART 2: 2013 WORKS

URGENT

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

ISSUED: August 1, 2012
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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: 372-2012 Bid Submission with 372-2012 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 E – SPECIFICATIONS

Revise: E15.5 (c) to read: It is anticipated that with a shrinkage factor of 30%, approximately 85% of the material excavated under Ditch Excavation will be required for suitable site material.

Revise: E17.2 (a) to read: All **Base Course** material shall be Crushed Limestone supplied and installed in accordance with CW 3110.

Revise: E17.2 (b) to read: Use of Recycled Concrete Pavement will **be permitted for use as sub-base material.**

Add:

E19 Hydro Excavation

DESCRIPTION

E19.1 General

- (a) This specification shall cover the removal of earthen material immediately adjacent to underground utilities infrastructure by means of high pressure water spray, and the recovery of evacuated material by vacuum type means or equivalent method as approved by the Contract Administrator.

EQUIPMENT

E19.2 Hydro Excavation unit shall be capable of maintaining a minimum working pressure of 10,000 psi, at a rate of flow of 10 to 12 gallons per minute. Unit should be adjustable, so as to provide adequate pressure to remove earthen material identified by the Contract Administrator.

E19.3 Spray head shall be equipped with a rotating type nozzle, in order to provide a wider path of cut.

CONSTRUCTION METHODS

E19.4 Hydro-removal of earthen material

- (b) Earthen material adjacent to utility entity shall be sprayed with high pressure water so as to remove all such material identified by the Contract Administrator.

E.19.5 Recovery of excavated material

- (c) The recovery of excavated material shall be done using vacuum type method, or other type method as approved by the Contract Administrator.
- (d) The recovery of material shall follow immediately behind the excavation, to avoid excavated areas from filling with excavated material.
- (e) The use of mechanical sweepers will not be allowed.
- (f) Dispose of material in accordance with Section 3.4 of CW 1130.

E19.6 Back fill of hydro excavated hole

- (g) The Contractor shall be responsible for the backfill of the hydro excavated hole upon the completion of the Work described herein, to the approval of the Contract Administrator.

MEASUREMENT AND PAYMENT

E19.7 Hydro Excavation

- (a) Hydro Excavation of earthen material will be measured on an hourly basis and paid for at the Contract Unit Price per hour for "Hydro Excavation". The hours to be paid for will be the total number of hours of Hydro Excavation in accordance with this specification, accepted and measured by the Contract Administrator. Travel to and from the site will not be accounted for in the payment of this item.