

Monday May 18, 2010

**TO ALL BIDDERS:**

Dear Sir/Madam:

**Re:           ADDENDUM #2  
              Spruce Avenue Reconstruction  
              Contract No. 10-25, File No. 570.02-457**

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**Issue Date:** Monday May 18, 2010

This Addendum No. 2 forms part of the Plans and Contract Documents for the above noted project and shall be read in conjunction therewith. This Addendum No. 2 shall take precedence over all related requirements of the original plans and contract documents issued previously.

**NO. OF ADDENDUM PAGES: 2 + 2 attachments**

Make the following modifications to the above-mentioned contract. Include in the amount of the tender any additions to or reductions from the cost of the work by reason of these instructions.

**A. TENDER CLOSING DATE**

1. No changes.

**B. PLANS**

1. No changes.

**C. FORM OF TENDER**

1. Page 11, 12 of the Form of Tender, quantity and price schedule, have been revised to account for the following changes and are attached with this addendum. The amended form of tender page(s) have a revision date of 05/17/2010 in the upper left corner. **The tenderers shall submit the revised pages with tender submission.**

Description of changes

- Pg 11    QUANTITY AND PRICE SCHEDULE, pg. T1-11 – Item G00050.  
New item - Adjust valves. To be paid for adjustment to base layer asphalt and again to top lift asphalt.
- Pg 11    QUANTITY AND PRICE SCHEDULE, pg. T1-11 – Item G00060-A.  
New item - Adjust maintenance holes, catchbasins and valve chambers to base layer asphalt.
- Pg 11    QUANTITY AND PRICE SCHEDULE, pg. T1-11 – Item G00060-E.  
New item – Rebuild maintenance holes, catchbasins and valve chambers adjustments. To be used when adjusting as above requires replacement of existing brickwork or adjustment units.

Pg 11 QUANTITY AND PRICE SCHEDULE, pg. T1-11 – Item G00130.

New item – Final adjustment of maintenance holes, catchbasins and valve chambers to top lift elevation (year 2011). Includes removal of asphalt curbing.

Pg 12 QUANTITY AND PRICE SCHEDULE, pg. T1-12 – Item 005-04.

No bid – Item removed as per new items above.

**D. SPECIAL PROVISIONS**

1. No changes.

**E. INFORMATION/CLARIFICATION**

Addendum #1 noted that item 003-04 - HL3 Top Asphalt was to include adjustments to top lift asphalt. These adjustments shall be bid as per the new items above.

A pdf version of this addendum can be found on the City website. Refer to the following link  
<http://www.burlington.ca/biddocs/tenderdocuments.asp>.

Yours truly,

*Dave Johnson*

Dave Johnson C.E.T.  
Project Leader  
Engineering – Design & Construction  
Community Services Division

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
<b>MISCELLANEOUS</b>						
	004-01	Supply and place No.1 nursery sod, and 100mm of topsoil. Includes watering and pegging.	m2	5,800.00	_____	_____
	004-02	Supply, place, and remove tree protection as per city spec No. SS12.	m	1,500.00	_____	_____
	004-03	Cut tree roots. SS12	m	750.00	_____	_____
	004-04	Hydrovac and manually cut tree roots by Qualified Tree Consultant to approx. 300mm depth. (Provisional) SS12	hrs	20.00	_____	_____
2	G00050	Adjust existing gas valves, watervale boxes and shutoffs to proposed grades.	each	20.00	_____	_____
2	G00060-A	Adjust existing maintenance holes, catchbasins and watervale chambers to proposed grades. Base layer asphalt.	each	30.00	_____	_____
2	G00060-E	Rebuild existing maintenance hole, catchbasin and watervale chamber adjustments using adjusting units. PROV.ITEM	each	45.00	_____	_____
2	G00130	Final adjustment of maintenance holes, catchbasins and watervale chambers to final top lift elevation (year 2011). Includes removal of asphalt curbing.	each	75.00	_____	_____
1	M01001	Bin-wall Stability Improvements - SP B-2. 30	ls	1.00	_____	_____
<b>MISCELLANEOUS Total</b>						_____

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
<b>STORM SEWER</b>						
005-01-A		450 MM CONCRETE PIPE, TO INCLUDE ALL M FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR BACKFILL TO SUBGRADE 410 SP	M	50.00	_____	_____
005-01-B		375 MM CSP STORM SEWER, TO INCLUDE M ALL FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED BACKFILL WITH RESTORATION 410 SP	M	10.00	_____	_____
005-01-C		300 MM CONCRETE PIPE, TO INCLUDE ALL M FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR BACKFILL TO SUBGRADE 410 SP	M	80.00	_____	_____
005-01-D		250 MM CONCRETE PIPE, TO INCLUDE ALL M FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR B BACKFILL TO SUBGRADE 410 SP	M	50.00	_____	_____
005-02		600 MM X 600 MM PRECAST CONCRETE CATCH BASIN, TO INCLUDE FRAME, GRATE, CONNECTION TO SEWER, COMPACTED GRANULAR BACKFILL TO GRADE 407 SP	EA	5.00	_____	_____
005-03		1200 MM PRECAST CONCRETE CATCH BASIN AND MANHOLE, COMPLETE TO INCLUDE FRAME AND GRADE, STEPS, CONNECTION TO SEWER, COMPACTED GRANULAR BACKFILL 407 SP	EA	3.00	_____	_____
2	005-04	ADJUST CATCHBASIN AND MANHOLE LIDS TO GRADE 408 SP	EA	0.00	No Bid	No Bid
	005-05	BREAK INTO AND CONNECT TO EXISTING MANHOLE AND/OR SEWER, INCLUDING GRANULAR B BACKFILL AND RESTORATION 407 SP	EA	6.00	_____	_____

Friday May 14, 2010

**TO ALL BIDDERS:**

Dear Sir/Madam:

**Re:           ADDENDUM #1  
              Spruce Avenue Reconstruction  
              Contract No. 10-25, File No. 570.02-457**

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**Issue Date:** Friday May 14, 2010

This Addendum No. **1** forms part of the Plans and Contract Documents for the above noted project and shall be read in conjunction therewith. This Addendum No. **1** shall take precedence over all related requirements of the original plans and contract documents issued previously.

**NO. OF ADDENDUM PAGES: 2 + 7 attachments**

Make the following modifications to the above-mentioned contract. Include in the amount of the tender any additions to or reductions from the cost of the work by reason of these instructions.

**A. TENDER CLOSING DATE**

1. No changes.

**B. PLANS**

1. No changes.

**C. FORM OF TENDER**

1. Page 2, 9, 10, 11 of the Form of Tender, quantity and price schedule, have been revised to account for the following changes and are attached with this addendum. The amended form of tender page(s) have a revision date of 05/14/201 in the upper left corner. **The tenderers shall submit the revised pages with tender submission.**

Description of changes

- |      |  |
|------|--|
| Pg 2 | QUANTITY AND PRICE SCHEDULE, pg. T1-2 – Item 1-04, 20mm copper water service<br>Units revised to metre (M) |
| Pg 9 | QUANTITY AND PRICE SCHEDULE, pg. T1-9 – Item 003-10, maintenance of traffic<br>Quantity revised to one (1) |

Pg 10 QUANTITY AND PRICE SCHEDULE, pg. T1-10 – Items G00010, H00040 A, B and H00050 A, B

- G00010 Excavation - New Item, See also SP B-2. 29
- H00040 A, B, Painted Pavement Markings – New Item
- H00050 A, B, Cold Plastic Pavement Markings – New Item

Pg 11 QUANTITY AND PRICE SCHEDULE, pg. T1-11 – Item M01001  
M01001 Bin-wall stability improvements – New Item

#### **D. SPECIAL PROVISIONS**

1. The Special Provisions for Contract have been revised to include the attached SP's, B-2. 29 and 30 and shall form part of the contract. The new special provision page has a revision date of 05/14/2010 in the upper left corner.

B-2. 29 Excavation - New Item

B-2. 30 Bin Wall Stability Improvements – New Item

#### **E. INFORMATION/CLARIFICATION**

Item 003-02 Granular B, shall be type II.

Item 003-04 HL3 Top Asphalt. This item shall include all adjustments to top lift asphalt to be carried out in 2011.

Item 003-10 Maintenance of Traffic. Burlington transit will be suspended during construction.

A pdf version of this addendum can be found on the City website. Refer to the following link <http://www.burlington.ca/biddocs/tenderdocuments.asp>.

Yours truly,

*Dave Johnson*

Dave Johnson C.E.T.  
Project Leader  
Engineering – Design & Construction  
Community Services Division

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
<b>Region Works</b>						
<b>WATERMAIN</b>						
<b>1-01</b>		<b>300 MM WATERMAIN, TO INCLUDE ALL FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR B BACKFILL TO PROPOSED SUBGRADE 701 SP</b>				
1-01-A		SPRUCE AVENUE 701 SP	M	1,225.00	_____	_____
<b>1-02</b>		<b>200 MM WATERMAIN, TO INCLUDE ALL FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR B BACKFILL TO PROPOSED SUBGRADE 701 SP</b>				
1-02-A		LINWOOD CRESCENT 701 SP	M	18.00	_____	_____
1-02-B		BEVAN DRIVE 701 SP	M	6.00	_____	_____
<b>1-03</b>		<b>150 MM WATERMAIN, TO INCLUDE ALL FITTINGS, BEDDING AS SPECIFIED ON DRAWINGS, COMPACTED GRANULAR B BACKFILL TO PROPOSED SUBGRADE 701 SP</b>				
1-03-A		MEADOWHILL ROAD 701 SP	M	12.00	_____	_____
1	1-04	20 MM COPPER WATER SERVICE TO PROPERTY LINE, TO INCLUDE MAIN STOP, CURB STOP, BOX AND CONNECTION TO EXISTING 20MM WATER SERVICE, WITH COMPACTED GRANULAR B BACKFILL (87 SERVICES) 701 SP	M	925.00	_____	_____
	1-05	TRANSFER 200 MM WATER SERVICE TO NEW MAIN (STA. 1+890) TO INCLUDE 200 MM GATE VALVE AND BOX 701 SP	LS	1.00	_____	_____

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
<b>City of Burlington</b>						
<b>ROADWORKS</b>						
	003-01	GRANULAR A - 150MM DEPTH - ROADS AND DRIVES 314 SP	T	4,300.00	_____	_____
	003-02	GRANULAR B - 300MM DEPTH 314 SP	T	8,400.00	_____	_____
	003-03	HL8 BASE ASPHALT - 60MM DEPTH 310 SP	T	2,300.00	_____	_____
	003-04	HL3 TOP ASPHALT - 50MM DEPTH 310 SP	T	1,700.00	_____	_____
	003-05	REMOVAL OF ASPHALT PAVEMENT - FULL DEPTH 510 SP	M2	14,000.00	_____	_____
	003-06	REMOVE AND REPLACE CONCRETE SIDEWALK AS PER CITY STD. S-121 (INCLUDING DISPOSAL) 351 SP	M2	900.00	_____	_____
	003-07	REMOVE AND REPLACE CONCRETE CURB AND GUTTER, ALL TYPES AS PER OPSD 600.04 (INCLUDING DISPOSAL) 353 SP	M	3,000.00	_____	_____
	003-08	REMOVAL OF CSP CULVERTS AND/OR SEWERS, ALL SIZES (INCLUDING DISPOSAL) 510 SP	M	30.00	_____	_____
	003-09	150 MM PERFORATED PLASTIC SUBDRAIN, FILTER CLOTH AND CONNECTION AS PER CITY STD. S-181 (INCLUDING REMOVAL AND DISPOSAL) 405 SP	M	800.00	_____	_____
1	003-10	MAINTENANCE OF TRAFFIC SP	LS	1.00	_____	_____

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
	003-11	H.L.3A (50mm) FOR DRIVEWAYS INCLUDING SAWCUTTING	M2	1,000.00	_____	_____
	003-12	CONCRETE DRIVEWAY (150mm) PROV.ITEM	M2	10.00	_____	_____
1	G00010	Excavation for road, curbs, curb and gutter, sidewalks and driveways. SP B-2. 29	m3	6,500.00	_____	_____
	<b>H00040</b>	<b>Place Painted Pavement Markings and maintain until toplift of asphalt is placed.</b>				
1	H00040-A	Solid or dashed (yellow or white) - 10 cm wide. Includes crosswalk lines.	m	1,400.00	_____	_____
1	H00040-B	Stop bar - 40 cm wide lines.	m	50.00	_____	_____
	<b>H00050</b>	<b>Cold Plastic Pavement Markings</b>				
1	H00050-A	Solid or dashed (yellow or white) - 10 cm wide. Includes crosswalk lines.	m	1,400.00	_____	_____
1	H00050-B	Stop bar - 40 cm wide.	m	50.00	_____	_____
	<b>ROADWORKS Total</b>					_____

**City of Burlington**  
**CONTRACT #: 10-25**  
**Spruce Avenue Reconstruction**

Ad No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
<b>MISCELLANEOUS</b>						
	004-01	Supply and place No.1 nursery sod, and 100mm of topsoil. Includes watering and pegging.	m2	5,800.00	_____	_____
	004-02	Supply, place, and remove tree protection as per city spec No. SS12.	m	1,500.00	_____	_____
	004-03	Cut tree roots. SS12	m	750.00	_____	_____
	004-04	Hydrovac and manually cut tree roots by Qualified Tree Consultant to approx. 300mm depth. (Provisional) SS12	hrs	20.00	_____	_____
1	M01001	Bin-wall Stability Improvements - SP B-2. 30	ls	1.00	_____	_____
<b>MISCELLANEOUS Total</b>						_____

DATE 05/14/2010

## **Contract 10-25, File No. 570.02-457**

### **Special Provisions for Contract**

#### **B-2. 29      Excavation**

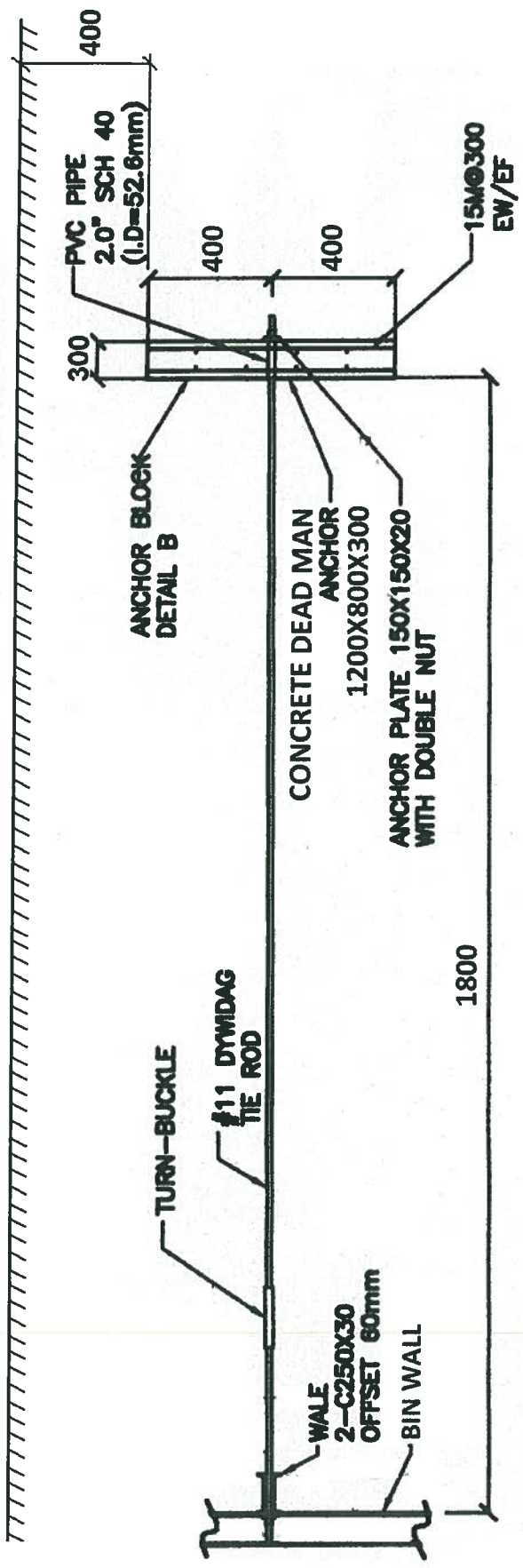
This item, G00010, is for general excavation only. Removal of asphalt, concrete sidewalk and concrete curbs are covered under their respective items. This theoretical quantity shall include the excavation of existing road granular. It is however understood that the reuse of these granulars may be suitable as trench backfill.

#### **B-2. 30      Bin Wall Stability Improvements**

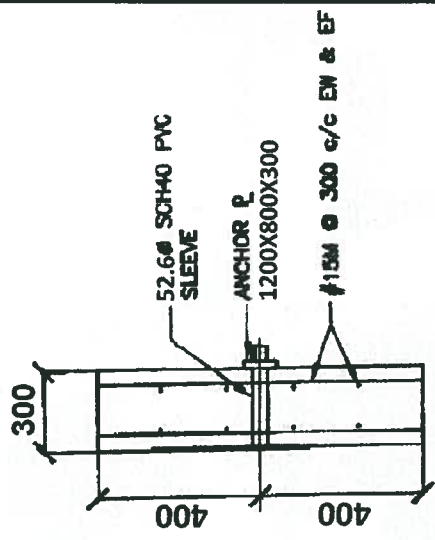
This item, M01001, as described below, is to provide enhanced stability of the existing bin-wall at the Appleby Creek culvert. Localized settlement has occurred adjacent to the retaining wall.

- Three dead man anchors with tiebacks shall be installed through the existing bin-wall as shown on drawing Nos. 1 and 2, as attached. The top of the dead man anchors shall be installed 0.4m below finished road grades. Backfill materials around the dead man anchors shall be compacted to 100% standard proctor maximum dry density (SPMDD).
- In the area where settlement has occurred, the existing fill shall be removed to 0.6m below finished road grades, and re-compacted in place. The backfill shall be placed in 300mm thick loose lifts and compacted to 98% SPMDD.
- This re-compaction of the settlement area will require the removal and replacement of approximately 10m<sup>2</sup> of sidewalk. The sidewalk at this location is reinforced concrete integral with the adjacent parapet wall. Reinstatement will require doweling and reinforcing as required.





**DETAIL**  
 TIE-BACK ANCHOR  
 SCALE N.T.S.



**DETAIL**  
 TYPICAL ANCHOR BLOCK  
 SCALE N.T.S.



ROAD SETTLEMENT & BIN WALL STABILITY  
 SPRUCE AVENUE  
 BURLINGTON

DETAIL A & B  
 BRGE00307798B

DRAWING NO. 2