



# City of Richmond

March 19, 2013  
File: 10-6340-20-P.11203/Vol 01

**Engineering**  
Telephone: 604-276-4289  
Fax: 604-276-4197

TO THOSE WHO HAVE RECEIVED COPIES OF T.4784

Dear Sir/Madam:

**Re: Contract T.4784  
Addendum No. 5  
Westminster Highway Widening – Nelson Road to McMillan Way**

This addendum forms part of the Contract Documents and shall be read, interpreted and coordinated with all other parts. The costs of all work contained herein shall be included in the Contract Price. The following revisions supersede the information contained in the original Contract Document to the extent referenced and shall become part thereof.

**Tenderers shall acknowledge receipt of this addendum by inserting its number and date where provided for on the Form of Tender.**

### **Clarifications:**

1. Imported Subgrade Fill – Item 2.3.a) (OPTIONAL ITEM)

Item 2.3.a) may, at the Owner's option, be applied at the west portion of the project. Due to grant funding deadlines, this portion of the project may be completed prior to preload sand being available for re-use on site. Should preload sand be available for subgrade fill, the quantities for Item 2.2,d) Common Excavation – Re-use on Site will be adjusted accordingly. No adjustments for Quantity Variations will be made to these unit rates.

### **Questions:**

**Q1:** If item 3.8 Rail Crossing Premium includes the 1760mm Casing Pipe, why is there a need for item 3.7 1200mm culvert relining?

**A1:** Item 3.7 is an alternate to the casing referenced in Item 3.8. Once the scope of work is confirmed with CN Rail, the appropriate option will be used. Adjustments due to change in scope will be addressed as well.

**Q2:** We can't seem to find where Pay Item 2.15b Recessed Reflective Markers is on the plans?

**A2:** Recessed Reflective Markers have been removed from the project.

Sincerely,

A handwritten signature in black ink, consisting of a stylized 'M' and 'C' intertwined.

FOR:  
Milton Chan, Acting Manager, Engineering Design & Construction

**3. SCHEDULE OF QUANTITIES AND PRICES**

The items below represent the contract price for the works described in this document and on the drawings. Refer to the MMCD or the supplementary specifications for details on the measurement of and payment for the various items

<b>T. 4784 - Westminster Highway Widening - Nelson Road to McMillan Way</b>								
<b>SCHEDULE OF QUANTITIES AND PRICES</b>								
Item No.	Description	Unit	Quantity		Unit Price		Amount	
1	<b>General</b>							
1.1	Mobilization and Demobilization	L. S.	1	\$		\$		
1.2	Survey Layout and As-Constructed Drawings	L. S.	1	\$		\$		
1.3	Bonding and Insurance	L. S.	1	\$		\$		
1.4	Traffic Control Plan, Personnel and Equipment	L. S.	1	\$		\$		
1.5	Erosion and Sediment Control	L. S.	1	\$		\$		
<b>TOTAL FOR SECTION 1 - GENERAL</b>								
<b>(Carry Forward to Summary of Schedule of Quantities and Prices)</b>							\$	

T. 4784 - Westminster Highway Widening - Nelson Road to McMillan Way						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity	Unit Price	Amount	
<b>2</b>	<b>Road Works</b>					
2.1	Clearing and Grubbing	L. S.	1	\$	\$	
2.2	Excavation					
	a) Organic Stripping (OPTIONAL ITEM)	cu.m	200	\$	\$	
	b) Organic Stripping - Contaminated Soils (PROVISIONAL SUM)	L.S.	1	\$	115,000	\$ \$115,000
	c) Common Excavation - Dispose off site	cu.m	21,200	\$	\$	
	d) Common Excavation - Re-use on site	cu.m	3,050	\$	\$	
	e) Over Excavation (OPTIONAL)	cu.m	100	\$	\$	
2.3	Subgrade fill					
	a) Imported Subgrade Fill (OPTIONAL ITEM)	tonne	5,550	\$	\$	
2.4	Subgrade preparation			\$	\$	
	a) Subgrade preparation – preload (OPTIONAL ITEM)	L. S.	1	\$	\$	
	b) Subgrade preparation – native soil (OPTIONAL ITEM)	L. S.	1	\$	\$	
2.5	Granular Sub-Base, Crushed Granular Sub Base Course	cu.m	4,800	\$	\$	
2.6	Base					
	a) Granular Base, 19mm	cu.m	3,400	\$	\$	
	b) Granular Base - 1.0m infill strip (OPTIONAL)	cu.m	120	\$	\$	
2.7	Tack coat	sq.m	47,000	\$	\$	
2.9	Asphalt					
	a) Asphalt Pavement, Lower Course MMCD #1	tonne	2,350	\$	\$	
	b) Asphalt Pavement, Upper Course MMCD #1	tonne	5,800	\$	\$	
	c) Asphalt Pavement, Leveling Course (OPTIONAL ITEM)	tonne	300	\$	\$	
2.10	Concrete Barriers					
	a) Precast concrete barriers c/w weep holes to SP941-01.02.02 - standard 2.5m sections (OPTIONAL ITEM)	lin.m	1,300	\$	\$	
	b) Precast concrete barriers - transition and bullnose sections (OPTIONAL ITEM)	each	8	\$	\$	
2.11	Saw cut pavement - 0 to 200mm depth (OPTIONAL ITEM)	lin.m	1,360	\$	\$	
<b>T. 4784 - Westminster Highway Widening - Nelson Road to McMillan Way</b>						
<b>SCHEDULE OF QUANTITIES AND PRICES</b>						

Item No.	Description	Unit	Quantity	Unit Price	Amount
2.12	Mill existing asphalt pavement, surface milling	sq.m	18,200	\$	\$
2.13	Rumble strips (OPTIONAL ITEM)	lin.m	3,900	\$	\$
2.14	Utility Pole infill (OPTIONAL ITEM)	each	1	\$	\$
2.15	Pavement Markings				
a)	Pavement Markings - linear thermoplastic lines	L. S.	1	\$	\$
c)	Pavement Markings - directional arrows	each	19	\$	\$
d)	Pavement Markings – ‘sharrow’	L. S.	1	\$	\$
2.16	Top Soil (OPTIONAL ITEM)	sq.m	500	\$	\$
2.17	Supply and install hydraulic seeding	sq.m	4,750	\$	\$
2.18	Concrete Sidewalk				
a)	Concrete sidewalk – 100mm thick	sq.m	170	\$	\$
2.19	Concrete Curb				
a)	MMCD C-5 Barrier Curb	lin.m	135	\$	\$
b)	MMCD C-6 Median Curb	lin.m	450	\$	\$
c)	Relocate concrete curb, C-5 Barrier Curb	lin.m	90	\$	\$
2.20	Concrete median Slab	sq.m	350	\$	\$
2.21	Driveway Restoration	sq.m	50		
2.22	Signage	L. S.	1		
2.23	CN Rail Crossing Road Works	L. S.	1	\$	\$
2.24	Fence	lin.m	620	\$	\$
2.25	Lock block wall	lin.m	65	\$	\$
2.26	Hand Rail (OPTIONAL ITEM)	lin.m	74	\$	\$
2.27	Remove Existing Raised Median	L. S.	1	\$	\$
2.28	Bollards	each	4	\$	\$
2.29	Concrete Barrier Removal	lin.m	100	\$	\$
2.30	Remove existing lock blocks (OPTIONAL ITEM)	each	1,000	\$	\$
<b>TOTAL FOR SECTION 2 - ROAD WORKS (Carry Forward to Summary of Schedule of Quantities and Prices)</b>					\$

T. 4784 - Westminster Highway Widening - Nelson Road to McMillan Way						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity		Unit Price	Amount
3	<b>Storm Sewer</b>					
3.1	Mainline storm sewer					
a)	Supply and install 1200mm diameter concrete pipe	lin.m	1,169	\$		\$
b)	Supply and install 525mm diameter concrete pipe	lin.m	70	\$		\$
c)	Supply and install 900mm diameter concrete pipe	lin.m	10	\$		\$
d)	Re-Lay Existing Mains and Connections (OPTIONAL ITEM)					
i)	450mm Ø	lin.m	5	\$		\$
ii)	600mm Ø	lin.m	5	\$		\$
iii)	1200mm Ø	lin.m	5	\$		\$
3.2	Manholes					
a)	1050mm diameter tee riser manholes for 1200mm diameter concrete pipe	each	7	\$		\$
b)	1800mm diameter sump manholes, minimum 600mm sump	each	10	\$		\$
c)	Connect to ex MH at McMillan Way	L. S.	1	\$		\$
d)	1500mm diameter sump manhole	each	1	\$		\$
3.3	Catch Basins					
a)	Catch Basin	each	5	\$		\$
b)	150mm diameter catch basin leads	lin.m	175	\$		\$
c)	300mm diameter catch basin leads	lin.m	10	\$		\$
d)	Type II Inspection Chamber c/w frame and grate	each	26	\$		\$
e)	150mm diameter inspection chamber lead	lin.m	200	\$		\$
f)	Type III Inspection Chamber c/w frame and grate	each	10	\$		\$
g)	150mm diameter connection c/w cap	lin.m	65	\$		\$
h)	600mm diameter Catch Basin lead	lin.m	5	\$		\$
3.4	Headwalls					
a)	Pro Ecolite Headwall c/w grill - inlet	each	1	\$		\$
b)	Pro Ecolite Headwall - outlet	each	5	\$		\$
c)	DeltaLok Embankment (OPTIONAL ITEM)	sq.m	50	\$		\$
3.5	Drainage swale	lin.m	785	\$		\$
3.6	Ditch cleaning	lin.m	160	\$		\$

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Item No.	Description	Unit	Quantity		Unit Price		Amount	
3.7	Pipe culverts							
	a) 1200mm diameter culvert relining, CN Rail ROW (OPTIONAL ITEM)	lin.m	25	\$		\$		
3.8	Rail Crossing Premium	L. S.	1	\$		\$		
<b>TOTAL FOR SECTION 3 - STORM SEWER</b> (Carry Forward to Summary of Schedule of Quantities and Prices)							\$	

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Item No.	Description	Unit	Quantity		Unit Price		Amount
<b>5</b>	<b>Electrical</b>						
5.1	Westminster Highway Street Lighting System	L. S.	1	\$		\$	
5.2	Relocate Existing Street Lights	L. S.	1	\$		\$	
5.3	Westminster Highway and McMillan Way Traffic Signal System	L. S.	1	\$		\$	
5.4	Westminster Highway and Old Westminster Highway Traffic Signal System	L. S.	1	\$		\$	
5.5	Interconnect CN Rail Crossing at Westminster Highway and Old Westminster Highway	L. S.	1	\$		\$	
<b>TOTAL FOR SECTION 5 - ELECTRICAL</b>							
<b>(Carry Forward to Summary of Schedule of Quantities and Prices)</b>						\$	