



City of Richmond

March 18, 2013

File: 10-6340-20-P.11202/Vol 01

Engineering

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TO THOSE WHO HAVE RECEIVED COPIES OF T.4783

Dear Sir/Madam:

Re: Contract T.4783

Addendum No. 5

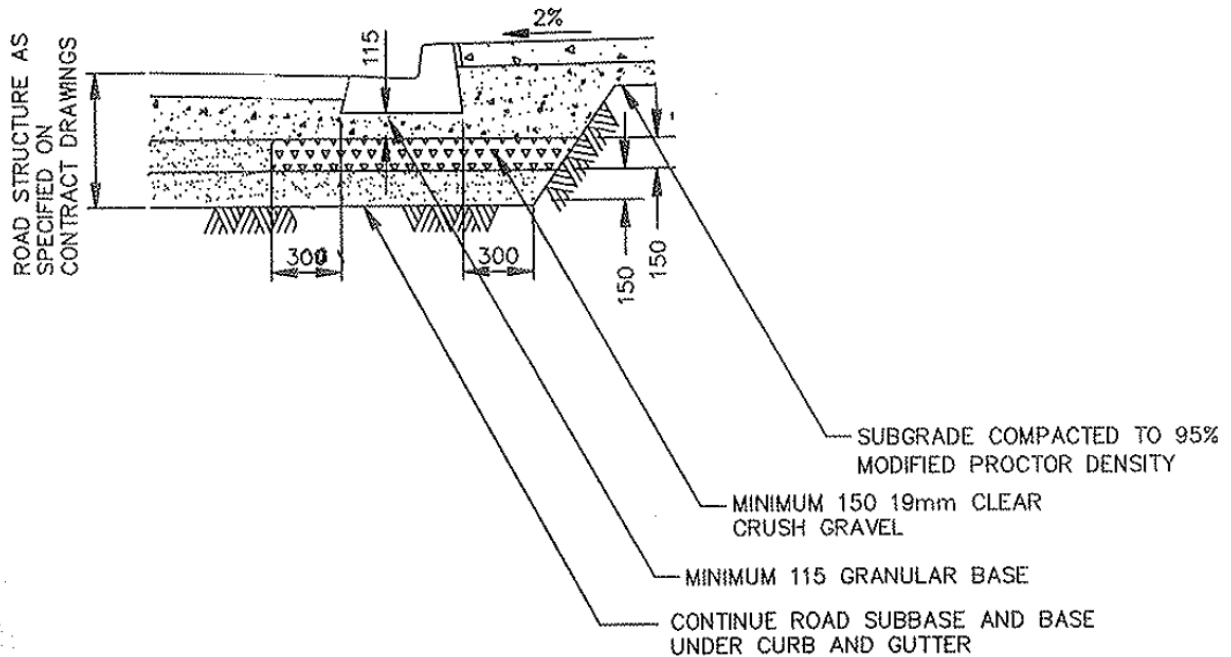
Nelson Road Widening – Westminster Highway to Blundell Road

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. Westminster Hwy at Nelson Road: The Contractor is advised to account for the supply and installation of a complete new Type "L" pole structure for Pole No.3 (as opposed to the noted re-use of the existing Type "S" pole shaft). A type "L2" pole base is required to suit the new pole structure.
2. Item 2.17e MMCD C-6 Median Curb has been deleted.
3. Item 2.11 Surface Milling is now an Optional Item.
4. On Oc-1057-06 the road structure at the proposed C-5 curb in sections 1, 5 and 6 should be as follows: Concrete curb, 115mm granular base, 150mm of 19mm Ø clear crush gravel and 150mm (min) sub base gravel. This gravel structure must extend at least 300mm beyond the front and back edges of the curb. See figure below.



5. Replace the Schedule of Quantities and Prices with the attached Issued for Addendum #5 Schedule of Quantities and Prices.

Questions:

Q1: Addendum 4, Clarification Item 3, states "The City ... will supply and install ... all LED signal & pedestrian displays, all signal & pedestrian heads c/w visors and all backboards." Is the City supplying and installing the LED displays, signal/ped heads and backboards, or is the City supplying only? Are the mounting brackets and side arms also provided by the City?

A1: The City will supply only the LEDs, signal heads, pedestrian heads, backboards and visors. The contractor will install these items. Also, the mounting hardware is to be supplied and installed by the contractor.

Q2: What product are we to use for the cross hatching on this project? Paint or thermoplastic? MoT has used both in the past and MMCD doesn't specify one or the other.

A2: Thermoplastic is to be used for the cross hatching.

Q3: Is the City of Richmond supplying the traffic signal heads and LED displays or providing the traffic detection loops, for the traffic signal modifications shown on the Addendum 4 revised drawings, at the intersection of Nelson Road and the Westminster Highway?

A3: The City will not supply any materials for the signal at Westminster Highway and Nelson Road. It is the contractor's responsibility to supply and install all materials.

Sincerely,

A handwritten signature in black ink, consisting of a large, stylized 'M' and 'C' that are interconnected.

FOR:

Milton Chan, 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

T. 4783 - Nelson Road Widening - Westminster Highway to Blundell Road						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity		Unit Price	Amount
1	General					
1.1	Mobilization and Demobilization	L. S.	1	\$		\$
1.2	Survey Layout and As-Construction 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 Plans and Implementation	L. S.	1	\$		\$
TOTAL FOR SECTION 1 - GENERAL						
(Carry Forward to Summary of Schedule of Quantities and Prices)						\$

T. 4783 - Nelson Road Widening - Westminster Highway to Blundell Road						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity	Unit Price	Amount	
2	Road Works					
2.1	Clearing and Grubbing	L. S.	1	\$	\$	
2.2	Excavation					
	a) Organic Stripping (OPTIONAL ITEM)	cu.m	300	\$	\$	
	b) Organic Stripping - Contaminated Soils (PROVISIONAL SUM)	L.S.	1	\$	270,000	\$ 270,000
	c) Common Excavation - Dispose off site	cu.m	1400	\$	\$	
	d) Common Excavation - Re-use on site (OPTIONAL ITEM)	cu.m	50	\$	\$	
	e) Over Excavation (OPTIONAL ITEM)	cu.m	75	\$	\$	
2.3	Subgrade Fill					
	a) Imported Subgrade Fill	tonne	10000	\$	\$	
	b) Reclaimed preload sand (OPTIONAL ITEM)	cu.m	100	\$	\$	
2.4	Subgrade preparation (OPTIONAL ITEM)	L. S.	1	\$	\$	
2.5	Granular Sub-Base, river sand	cu.m	950	\$	\$	
2.6	Granular Base	cu.m	850	\$	\$	
2.7	Tack Coat	sq.m	3800	\$	\$	
2.9	Asphalt Pavement					
	a) Asphalt Pavement, Lower Course MMCD #1	tonne	650	\$	\$	
	b) Asphalt Pavement, Upper Course MMCD #1	tonne	250	\$	\$	
	c) Asphalt Pavement, Leveling Course (OPTIONAL ITEM)	tonne	250	\$	\$	
	d) Asphalt Pavement, shared pathway	tonne	225	\$	\$	
2.10	Pavement Sawcutting - 0 to 200mm depth (OPTIONAL ITEM)	lin.m	550	\$	\$	
2.11	Surface milling (OPTIONAL ITEM)	sq.m	2000	\$	\$	
2.12	Utility Pole infill (OPTIONAL ITEM)	each	1	\$	\$	

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SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity	Unit Price	Amount	
2.13	Pavement Markings					
a)	Pavement Markings - linear thermoplastic markings	L. S.	1	\$	\$	
b)	Pavement Markings - Inlaid Thermoplastic Line	L. S.	1	\$	\$	
c)	Pavement Markings - thermoplastics - directional arrows	each	29	\$	\$	
2.14	Top Soil	sq.m	100	\$	\$	
2.15	Hydraulic Seeding	sq.m	2200	\$	\$	
2.16	Concrete Sidewalk - 100mm thick	sq.m	135	\$	\$	
2.17	Curb					
a)	MMCD C-5 Barrier Curb	lin.m	530	\$	\$	
b)	Bullnose Curb	lin.m	275	\$	\$	
c)	Relocate MMCD C-5 Barrier Curb	lin.m	115	\$	\$	
d)	Extruded Asphalt Curb	lin.m	40	\$	\$	
2.18	Median slab					
a)	Removal of Existing Median Islands	L. S.	1	\$	\$	
b)	Concrete Median Slab	sq.m	160	\$	\$	
2.19	Driveway Restoration	sq.m	25	\$	\$	
2.20	Signage					
a)	Signage	L. S.	1	\$	\$	
b)	Overhead sign structure and signs	each	2	\$	\$	
2.21	Rumble Strips (OPTIONAL ITEM)	lin.m	1400	\$	\$	
2.22	Lock Block Wall c/w Hand Rails	lin.m	120	\$	\$	
TOTAL FOR SECTION 2 - ROAD WORKS						
(Carry Forward to Summary of Schedule of Quantities and Prices)						\$

T. 4783 - Nelson Road Widening - Westminster Highway to Blundell Road						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity	Unit Price	Amount	
3	Storm Sewer					
3.1	1350 mm diameter concrete pipe	lin.m	405	\$	\$	
3.2	Manholes					
	a) 1800mm diameter sump manhole, minimum 600mm deep sump	each	3	\$	\$	
	b) 2400mm diameter sump manhole, minimum 600mm deep sump	each	1	\$	\$	
	c) 1050mm diameter tee riser manhole for 1350mm diameter concrete pipe	each	2	\$	\$	
	d) Connect existing main to MH #5	L. S.	1	\$	\$	
3.3	Inspection Chambers and Catch Basins					
	a) Type II Inspection Chamber, c/w frame and grate	each	12	\$	\$	
	b) 150mm diameter Inspection Chamber Lead	lin.m	35	\$	\$	
	c) Double Catch Basin	each	3	\$	\$	
	d) 200mm diameter catch basin lead	lin.m	15	\$	\$	
	e) Catch basin relocation	each	4	\$	\$	
	f) Catch basin	each	1	\$	\$	
	g) 150mm catch basin lead	lin.m	15	\$	\$	
3.4	Headwalls					
	a) Langley 26-28 Headwall, c/w grill. Inlet	each	1	\$	\$	
	b) Langley 26-28 Headwall. Outlet	each	1	\$	\$	
3.5	Drainage Swale	lin.m	380	\$	\$	
3.6	Drainage ditch	lin.m	10	\$	\$	
TOTAL FOR SECTION 3 - STORM SEWER						
(Carry Forward to Summary of Schedule of Quantities and Prices)					\$	

T. 4783 - Nelson Road Widening - Westminster Highway to Blundell Road						
SCHEDULE OF QUANTITIES AND PRICES						
Item No.	Description	Unit	Quantity		Unit Price	Amount
5	Electrical					
5.1	Nelson Road street lighting system	L. S.	1	\$		\$
5.2	Relocate Street Lights	each	2	\$		\$
5.3	Nelson Road and Blundell Road Intersection Traffic Signal System	L. S.	1	\$		\$
5.4	Interconnect Nelson Road @ Blundell Road traffic signal with CN Rail Crossing Warning System	L. S.	1	\$		\$
5.5	Nelson Road at Westminster Highway Traffic Signal System	L. S.	1	\$		\$
TOTAL FOR SECTION 5 - ELECTRICAL						
(Carry Forward to Summary of Schedule of Quantities and Prices)						\$