



City of Richmond

March 13, 2013

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

Engineering

Telephone: 604-276-4289

Fax: 604-276-4197

TO THOSE WHO HAVE RECEIVED COPIES OF T.4783

Dear Sir/Madam:

Re: Contract T.4783

Addendum No. 4

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.

Clarification:

1. On Page B-12 and D-25, Replace Item 2.13b Pavement Markings – Recessed with Item 2.13b Pavement Markings – Inlaid Thermoplastic Line.

The description for payment on page D-25 shall be replaced by:

“Pavement Markings, Inlaid Thermoplastic Line - Item 2.13B.

Payment for this item will be made at the lump sum price tendered. The lump sum price tendered shall include, but not be limited to, the supply and placement of 100mm wide inlaid thermoplastic pavement markings and any other material, equipment and labour required to complete the work as shown on the contract drawings. The inlaid thermoplastic lines will be used for continuity lines within the intersection only. Lane lines are to be MoT spec paint.

Measurement will be based on the percentage of work completed.”

On Drawing Ec-767 sheet 01 and sheet 03 revise note: “0.5 x 0.5 turning line c/w recessed reflective markers (typ.)” to read: “0.5 x 0.5 turning line c/w inlaid thermoplastic marking (typ.)”

2. The asphalt for the shared pathway will be paid under a new item, Item 2.9d – Asphalt Pavement, Shared Pathway. The description for payment shall be:

Asphalt Pavement, shared pathway - Item 2.9d

Payment for this item will be made at the unit price tendered per tonne of material placed as shown on the Schedule of Quantities and Prices.

Measurement will be by delivery slips of material authorized, received, and signed by the Contract Administrator's representative on site.

The unit price tendered shall include supply, delivery, placing and compacting of the upper course of asphalt, all in conformance with these specifications, MMCD Section 32 12 16 and to the satisfaction of the Contract Administrator.

3. On Signals Drawings Ec-791 the existing note reads: The City and/or its agents will supply and install new communication cable(s) detector loops... controller cabinet.

After controller cabinet, Add: “all controller cabinet parts such as controller, conflict monitor, detector amps, load switches, all LED signal & pedestrian displays, all signal & pedestrian heads c/w visors and all signal backboards.”

4. Street Lighting Materials:

The City of Richmond will supply the successful bidder with street light poles and luminaire heads only. The Contractor must provide the City with two (2) weeks' notice prior to pick up of materials from the City Stores Department located at the Works Yard.

5. Contaminated Soils

An Environmental Soil Investigation report from Thurber Engineering Ltd. dated February 01, 2013 is included for information.

6. Item 2.2b, Organic Stripping Contaminated Soils is a Provisional Item.

The description of payment on page D-24 shall be replaced with the following:

Payment for this item will be made at Force Account Rates and will be limited to those regions determined to be contaminated by the Contract Administrator and shall include all labour, fees, and trucking for disposal off-site.

Measurement will be made using end area methods and based on before and after excavation cross sections at sufficient equal intervals over the length of excavation or a method agreed between the Contractor and Contract Administrator.

7. In addition to the materials stated in Section 33 40 01 of the City of Richmond's Supplementary Specifications, Sanitite HP pipe is an approved alternate product.
8. Hydrant Relocations
Hydrant relocations are to be completed by City Forces.
9. Additional Drawings
 - a. Replace Drawings Ec-793-01 and Ec-793-02 (not issued) with Drawings TE-10036-1 Rev. D Sheets 1 to 3.
 - b. Add drawing Wc-1079-1. This drawing is being issued for **Information Only** and the work will be completed by City Forces.
10. To Pages A-10 and C-8 Add Drawing Oc-1057-09 Road Construction (issued as part of Addendum #1).
11. Delete Item 2.8 Prime Coat from pages B-11 and D-27.
12. On Page D-23 Item 1.1 Mobilization and Demobilization shall read:
Payment for mobilization shall be made at 80% of the Contractor's lump sum tendered amount and the remaining 20% shall be made at the Progress Payment following the date of Substantial Completion.
 - .1 The Contractor's Mobilization and Demobilization tendered amount shall include the costs associated with mobilizing manpower, materials and equipment onsite and offsite, and shall also include final clean up of the site.
 - .2 The tendered price shall not exceed 3% of the Contractor's total tendered amount.
13. The Form of Tender has been revised. In addition to the changes above, additional changes include but are not limited to:
 - a. Removal of HST and PST
 - b. Quantity for Item 2.11 Surface Milling revised
 - c. Quantity for Item 2.9b Asphalt Pavement, Upper Course MMCD #1 revised
 - d. Quantity for Item 2.7 Tack Coat revised
 - e. Quantity for Item 2.20b Overhead sign structure and signs revised
 - f. Section 4 – Waterworks has been deleted; work to be completed by City Forces.

Questions:

Q1: Recessed Reflective Markers are now included on continuity lines. This is not something that has been done before (Recessed RPM's on continuity lines) and actually is specifically referenced as not done in the MOT manual of Standard Signs and Pavement Markings. As the intersection of Westminster and Nelson is MOT, should they be installed there? Also, if we will still be installing them, we would need clarification on their spacing on the continuity line and

their placement in respect to the continuity line (beside it, like on solid yellow centrelines, or between the gaps like dashed white lane lines). Keep in mind the standard application groove is 1.3m long, so if they are to be installed between the lines you will have to come up with a different groove standard than the MOT uses

A1: The Recessed Reflective Markers, Item 2.13b have been replaced with Item 2.3b Pavement Markings - Inlaid Thermoplastic Line as noted in the clarifications above.

Q2: What are the limits of construction for line painting? On the drawings there is a bunch of line painting to the west of Nelson, on Westminster, that is different than what currently exists on site. Is the changing of that part of the roadway lines part of this contract?

A2: Refer to the Contract Drawings for the limit of construction. The line painting on Westminster Highway west of Nelson Road is included in this contract.

Q3: What method do you approve for the removal of the existing lines (mechanical eradication or Hydroblasting or does it matter)?

A3: Either method of line removal is acceptable.

Q4: Where do we include the pricing for the line removal?

A4: Pricing for line removal should be included in Item 2.13a, Pavement Markings, linear thermoplastic markings.

Q5: The tender drawings, sheets 3 of 8, 4 of 8 and 5 of 8, show a 2.5m wide asphalt surface/shoulder/path along the West side of Nelson Road. Which pay item on the schedule of quantities would this fall under?

A5: Item 2.9d has been added for the pathway asphalt as noted above. Item 2.6 covers the granular base for the pathway.

Q6: Pay item 2.17c refers to relocated MMCD barrier curb, sheet 1 of 8, titled Road construction Nelson Road, refers to this item as symbol 'L' on the legend list, yet 'L' only appears at Sta 2+140 at the intersection of Westminster Hwy and Nelson on sheet 4 of 8. Is the quantity of 100 lin m indicated on the schedule of quantities correct? And if so, where exactly on the drawings would I find the barrier curb to be relocated?

A6: Item 'L' refers to the relocation of existing concrete barriers, which are 'no post' concrete barriers. Item 2.17c refers to the relocation (remove and replace) of MMCD C-5 barrier curb. The barrier curbs to be relocated are at the northeast and northwest corners of the Nelson/Blundell Road intersection. The quantity for Item 2.17c is correct. The relocation of the concrete barriers is considered to be incidental.

Q7: Could you confirm the depth of surface milling for pay item 2.11? I have not been able to find a definitive milling depth from either the tender document SSP's or measurement for payment of work, nor the tender drawings.

A7: Surface milling will be to a depth of up to 50mm.

Q8: Can the tender form be made available in Excel please?

A8: The Form of Tender is not available in Excel format.

Q9: The Addendum 2 pole elevation drawing, (Ec-791, sheet 3 of 9) for the traffic signal at Nelson Road and Blundell Road, indicates that Pole 2 will require a special base. When will the details of that special base be provided?

A9: The details of the special base have not been finalized. For the purpose of the tender, assume an MMCD Type M1 Concrete Spread Footing Base; any adjustments to the base will be negotiated during the Construction Phase.

Q10: The Schedule of Quantities and Prices, calls for a price under Item 5.4 to "Interconnect Nelson Road at Blundell Road traffic signal with CN Rail Crossing Warning System, however there are no corresponding details or information provided on the drawings. What are we pricing?

A10: For Item 5.4 Interconnect Nelson Road at Blundell Road traffic signal with CN Rail Crossing Warning System, the Contractor is responsible for providing conduit and wiring as per the Electrical Drawing for that location as the design for the Crossing Warning System has not yet been finalized. Any additional work will be negotiated during the Construction Phase.

Q11: The Addendum 2 traffic signal drawings show traffic detection loops that will be provided by the City, and video detection equipment, that is to be provided by the Contractor. Please confirm that both traffic detection systems are to be installed at this (Blundell/Nelson Road) intersection.

A11: Yes, both systems are required. The video detection equipment is provided by the City.

Q12: The Addendum 2 pavement marking drawing (Ec-767, sheet 1 of 3), depicts two overhead sign structures. The notations indicate that Type M sign pole structures are to be provided. Type M sign pole structures seem excessive, given the signs to be installed and the reach required. Please verify the requirements for these overhead sign poles and perhaps provide a pole elevation drawing that more clearly depicts what you intend to have installed.

A12: On Ec-767-1 the Type M pole specified is to be replaced with a Type 3 shaft, 8m long arm, and Type 2E Trapezoidal base. The quantity for Item 2.20b has been updated.

Q13: Can you provide information regarding the guide sign on Nelson Road – dimensions, materials etc.

A13: The guide sign will be a custom G-1 guide sign and shall be sized to accommodate the text and symbols shown on the Contract Drawings. The sign is to be aluminum and must meet the requirements provided in the latest version of the Ministry of Transportation's *Specifications for Standard Highway Sign Materials, Fabrication and Supply*. It is to have Reflectivity ASTM Type 1.

Q14: Dwg Ec-791 (Nelson @ Blundell) shows installing 2x75mm RPVC under CN Railway Tracks. As there are no details provided for the RR Crossing – what if any casing should be assumed/used ?

A14: Assume using a 200mm Steel Casing 6 meters long, drilled by Trenchless Technology for the purpose of the Tender Bid.

Q15: Dwg Ec-791 (Nelson @ Blundell) shows a cable for the RWY Turn Signs – what kind of cable is required ?

A15: Assume NO cable, but 2-No.14 RW90 wires per sign instead.

Q16: What type of Turn Restriction Signs (for the Railway Preempt at Nelson @ Blundell) are to be supplied?

A16: These signs are to be LED type signs and will be supplied by the City.

Q17: Have the Power Services been resolved for the intersection yet ?

A17: No, they have not been confirmed with BC Hydro at this time. Service conduit should be installed per the design drawings (where shown). Any final accommodation for the Power Service will have to be negotiated with the Contractor during the Construction Phase.

Q18: Please specify the arm length for the two M lane use poles shown on Delcan sheet Ec-767, also pay item reads 1? (should be 2).

A18: Refer to A12.

Q19: Are we to include any pricing related to a service panel, base or enclosure for the Signal at Blundell, no equipment is shown (note says "source TBD").

A19: The City will supply the panel, base and enclosure for the signal as per the Clarifications above.

Q20: At Blundell are we supplying standard pedestrian push buttons or is City supplying the Novax APS system?

A20: The City will supply the Novax APS System.

Q21: Both drawing sets show "relocate streetlight pole" on the Delcan drawings that do not appear on the LCP drawings, please confirm we are to quote our scope from the LCP sets.

A21: The scope of work for the Street Light Relocations shall be as per the LCP drawing set.

Q22: Are there special requirements for working above the GVRD watermain?

A22: The Contractor is responsible for coordination with the utility companies and owners prior to construction as per SSP 7 in the Contract Documents.

Q23: Question/Answer 1 says overhead sign removed and replaced whereas related bid item 2.20b) not eliminated from the tender form.

A23: The sign on Oc-1057-4 has been replaced with a roadside guide sign which will be paid under Item 2.20a Signage. Two overhead signs are shown on Oc-1057-01 with details on Ec-767-1 and clarified in the above questions. The two overhead signs will be paid under Item 2.20b Overhead Sign Structure and Signs.

Q24: Usually with large diameter pipe, as both these projects have, we bed to springline with 20mm clear crush and backfill above the springline with sand. This ensures the pipe is properly cradled. Please advise as to your expectations are for this project.

A24: This is an acceptable method of pipe installation, provided that the clear crush is wrapped with filter cloth. Note that river sand is not permitted within the pipe zone, but can be used as trench backfill material up to the top of the subgrade.

Sincerely,

A handwritten signature in black ink, appearing to be 'Milton Chan', written in a cursive style.

FOR:

Milton Chan, Acting Manager, Engineering Design & Construction

FORM OF TENDER

Manager – Purchasing
City of Richmond
6911 No. 3 Road
Richmond, BC V6Y 2C1

1. WE, THE UNDERSIGNED:

- 1.1 have received and carefully reviewed all of the *Contract Documents*, including the specified edition of the "Master Municipal Construction Documents - Instructions to Tenderers and General Conditions, Specifications, Standard Detail Drawings", the "City of Richmond's Supplementary Specifications and Detail Drawings", and the following Addenda:

(insert number and date of all Addenda received)

_____;

- 1.2 have full knowledge of the *Place of the Work*, and the *Work* required; and
1.3 have complied with the Instructions to Tenderers.

2. ACCORDINGLY WE HEREBY OFFER:

- 2.1. to perform and complete all of the *Work* and to provide all the labour, equipment and material all as set out in the *Contract Documents*, in strict compliance with the *Contract Documents*;
- 2.2. to achieve *Substantial Performance* of the *Work* on or before **March 31, 2014**; and

- 2.3. to do the *Work* for the price, which is the sum of the products of the actual quantities incorporated into the *Work* and the appropriate unit prices plus any lump sums or specific prices set out in Appendix 1, the "*Schedule of Quantities and Prices*", and adjustment amounts as provided by the *Contract Documents*. For the purposes of Tender comparison, our offer is to complete the *Work* for the "*Tender Price*" of _

(\$_____) as set out on Appendix 1 of this Form of Tender.

Our Tender Price is based on the estimated quantities listed in the *Schedule of Quantities and Prices*, and excludes GST.

3. WE CONFIRM:

- 3.1. that we understand and agree that the quantities as listed in the *Schedule of Quantities and Prices* are estimated, and that the actual quantities will vary.

4. WE CONFIRM:

- 4.1. that the following Appendices are attached to and form a part of this Tender:
- 4.1.1. the Appendices as required by paragraph 5.3 of the Instructions to Tender - Part II; and
 - 4.1.2. the *Bid Security* as required by paragraph 5.2 of the Instructions to Tender - Part II.

5. WE AGREE:

- 5.1 that this Tender will be irrevocable and open for acceptance by the *Owner* for a period of sixty (60) calendar days from the day following the *Tender Closing Date and Time*, even if the Tender of another Tenderer is accepted by the *Owner*. If within this period the *Owner* delivers a written notice ("*Notice of Award*") by which the *Owner* accepts our Tender, we will:

- 5.1.1 within 15 *Days* of receipt of the written *Notice of Award* deliver to the *Owner*:
 - 5.1.1(a) a Performance Bond and a Labour and Materials Payment Bond, each in the amount of 50% of the *Contract Price*, covering the performance of the *Work* including the *Contractor's* obligations during the *Maintenance Period*, issued by a surety licensed to carry on the business of suretyship in the province of British Columbia, and in a form acceptable to the *Owner*; a *Construction Schedule*, as provided by GC 4.6.1;
 - 5.1.1(b) a "clearance letter" indicating that the Tenderer is in *WorkSafe BC* compliance; and

5.1.1(c) a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place and;

5.1.2 within 2 days of receipt of written "Notice to Proceed", or such longer time as may be otherwise specified in the *Notice to Proceed*, commence the *Work*; and

5.1.3 sign the *Contract Documents* as required by GC 2.1.2.

6. WE AGREE:

6.1. that, if we receive written *Notice of Award* of this *Contract* and, contrary to paragraph 5 of this Form of Tender, we:

6.1.1. fail or refuse to deliver the documents as specified by paragraph 5.1.1 of this Form of Tender; or

6.1.2. fail or refuse to commence the *Work* as required by the *Notice to Proceed*,

then such failure or refusal will be deemed to be a refusal by us to enter into the *Contract* and the *Owner* may, on written notice to us, award the *Contract* to another party. We further agree that, as full compensation on account of damages suffered by the *Owner* because of such failure or refusal, the *Bid Security* shall be forfeited to the *Owner*, in an amount equal to the lesser of:

6.1.3. the face value of the *Bid Security*, and

6.1.4. the amount by which our *Tender Price* is less than the amount for which the *Owner* contracts with another party to perform the *Work*.

7. OUR ADDRESS is as follows:

Attention: _____

Phone: _____

Fax: _____

This Tender is executed the _____ day of _____, _____.

Tenderer:

(Full legal name of corporation, partnership or individual)

SIGNED AND DELIVERED
by Corporate Tenderer with Corporate
Seal affixed in the presence of its duly
authorized signing officers:

Name and Position

OR SIGNED AND DELIVERED
by Unincorporated Tenderer

Signature of Sole proprietor or Partner

Witness

Signature of Partner

Witness

Signature of Partner

Witness

Tenderer's Initial _____

FORM OF TENDER

Appendix 1

SCHEDULE OF QUANTITIES AND PRICES (See paragraph 5.3.1 of the Instructions to Tenderers - Part II)

(All prices and Quotations including the *Contract Price* shall include all *Taxes*, but shall not include *GST*.)

TENDER SUMMARY

1. GENERAL

The undersigned Tenderer, hereinafter referred to as the Tenderer, hereby agrees that the Schedule of Quantities and Prices, hereinafter referred to as the Schedule, and the Tender Summary which forms part of the Schedule, were completed, signed, sealed and submitted to the Owner by the Tenderer as part of his Tender and further, that he has satisfied himself with and agrees to the contents of the Schedule and Tender Summary as submitted to the Owner.

2. TENDER SUMMARY GST

The Total Tender price shall NOT include for GST. Tenderer's shall indicate the Totals for GST in the spaces provided.

3. TENDER SUMMARY

The Tendered Amounts carried over from Items in the Schedule are summarized as follows:

SUMMARY OF SCHEDULE OF QUANTITIES AND PRICES		
ITEM NO.	DESCRIPTION	TENDERED AMOUNT
1	General	
2	Roadworks	
3	Storm Sewer	
4	Water Works – NOT USED	
5	Electrical	
	TENDER PRICE (GST excluded) (Carried to Form of Tender)	
	5% GST	

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	200	\$	\$	
	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	800	\$	\$	
2.6	Granular Base	cu.m	650	\$	\$	
2.7	Tack Coat	sq.m	7300	\$	\$	
2.9	Asphalt Pavement					
	a) Asphalt Pavement, Lower Course MMCD #1	tonne	750	\$	\$	
	b) Asphalt Pavement, Upper Course MMCD #1	tonne	650	\$	\$	
	c) Asphalt Pavement, Leveling Course (OPTIONAL ITEM)	tonne	250	\$	\$	
	d) Asphalt Pavement, shared pathway	tonne	125	\$	\$	
2.10	Pavement Sawcutting - 0 to 200mm depth (OPTIONAL ITEM)	lin.m	550	\$	\$	
2.11	Surface milling	sq.m	2000	\$	\$	
2.12	Utility Pole infill (OPTIONAL ITEM)	each	1	\$	\$	

T. 4783 - Nelson Road Widening - Westminster Highway to Blundell Road						
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	25	\$	\$	
2.14	Top Soil	sq.m	100	\$	\$	
2.15	Hydraulic Seeding	sq.m	2200	\$	\$	
2.16	Concrete Sidewalk - 100mm thick	sq.m	110	\$	\$	
2.17	Curb					
a)	MMCD C-5 Barrier Curb	lin.m	425	\$	\$	
b)	Bullnose Curb	lin.m	275	\$	\$	
c)	Relocate MMCD C-5 Barrier Curb	lin.m	100	\$	\$	
d)	Extruded Asphalt Curb	lin.m	50	\$	\$	
e)	MMCD C-6 Median Curb	lin.m	38	\$	\$	
2.18	Median slab					
a)	Removal of Existing Median Islands	L. S.	1	\$	\$	
b)	Concrete Median Slab	sq.m	152	\$	\$	
2.19	Driveway Restoration	sq.m	20	\$	\$	
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	4	\$	\$	
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)						\$