FORM A: BID
(See B10)

1. Contract Title

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, PUMPING STATION, LAND DRAINAGE SEWER AND MISCELLANEOUS UNDERGROUND AND LANDSCAPING WORKS

2. Bidder

_____
Name of Bidder

_____
Usual Business Name of Bidder as it appears on Invoice (if different from above)

_____
Street

_____
City Province Postal Code

_____
Email Address of Bidder

_____
Facsimile Number

(Mailing address if different)

_____
Street or P.O. Box

_____
City Province Postal Code

_____
GST Registration Number (if applicable)

(Choose one)

The Bidder is:

☐ a sole proprietor

☐ a partnership

☐ a corporation

carrying on business under the above name.

3. Contact Person

The Bidder hereby authorizes the following contact person to represent the Bidder for purposes of the Bid.

_____
Contact Person Title

_____
Telephone Number Facsimile Number

4. Definitions

All capitalized terms used in the Contract shall have the meanings ascribed to them in the General Conditions and D2.2(i)(i).

5.	Offer	The Bidder hereby offers to perform the Work in accordance with the Contract for the Total Bid Price, in Canadian funds, set out on Form B: Prices, appended hereto.
6.	Bid Security	In accordance with B13.1, the Bidder encloses bid security in the form of: ☐ a bid bond (Form G1: Bid Bond and Agreement to Bond) ☐ an irrevocable standby letter of credit (Form G2: Irrevocable Standby Letter of Credit and Undertaking) ☐ a certified cheque or draft and agrees that it shall be held by the City in accordance with the Contract.
7.	Execution of Contract	The Bidder agrees to execute and return the Contract no later than seven (7) Calendar Days after receipt of the Contract, in the manner specified in C4.
8.	Commencement of the Work	The Bidder agrees that no Work shall commence until he/she is in receipt of a letter of intent from the Award Authority authorizing the commencement of the Work.
9.	Contract	The Bidder agrees that the Bid Opportunity in its entirety shall be deemed to be incorporated in and to form a part of this offer notwithstanding that not all parts thereof are necessarily attached to or accompany this Bid.
10.	Addenda	The Bidder certifies that the following addenda have been received and agrees that they shall be deemed to form a part of the Contract: No. _____ Dated _____ _____ _____ _____ _____
11.	Time	This offer shall be open for acceptance, binding and irrevocable for a period of Sixty (60) Calendar Days following the Submission Deadline.

12. Signatures

The Bidder or the Bidder's authorized official or officials have signed this

_____ day of _____ , 20_____ .

Signature of Bidder or
Bidder's Authorized Official or Officials

_____

_____
(Print here name and official capacity of individual whose signature appears above)

_____

_____
(Print here name and official capacity of individual whose signature appears above)

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A	***CN REDDITT SUBDIVISION - UNDERPASS STRUCTURES***					
	BRIDGE/RETAINING WALLS					
A.1	Mobilization and Demobilization	E5	L.S.	1		
A.2	Excavation and Backfilling	E23	L.S.	1		
A.3	Supplying and Driving Steel Sheet Piles	E33	L.S.	1		
A.4	Rock-Socketed Caissons					
i)	Supply and Install Rock-Socketed Caissons	E24	L.S.	1		
ii)	Added Length of Rock-Socket	E24	m	10		
iii)	Added Length of Steel Casing into Weathered Rock Zone	E24	m	10		
iv)	Subtracted Length of Rock-Socketed Caisson	E24.3.4 & E24.21.1	m	-15		
A.5	Supply and Place Structural Concrete					
i)	Abutments	E25	L.S.	1		
ii)	Pier Caps	E25	L.S.	1		
iii)	Shoulder and Median Traffic Barriers, Footings and Caps	E25	L.S.	1		
iv)	Sidewalk/ATP Slabs	E25	L.S.	1		
v)	Retaining Wall Cladding and Mock-Up Panels	E25	L.S.	1		
vi)	Retaining Wall Caps	E25	L.S.	1		
A.6	Supplying and Placing Reinforcing Steel Bars					
i)	Plain	E26	kg	32,900		
ii)	Galvanized	E26	kg	6,900		
iii)	Stainless Steel	E26	kg	62,150		
A.7	Design, Supply, Fabrication and Delivery of Spherical Bearings					
i)	Fixed Bearings	E28	each	4		
ii)	Expansion Bearings	E28	each	12		
A.8	Installation of Spherical Bearings					
i)	Fixed Bearings	E28	each	4		
ii)	Expansion Bearings	E28	each	12		
A.9	Suppy, Fabrication and Delivery of Structural Steel for Bridge	E30	L.S.	1		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.10	Erection of Structural Steel for Bridge	E30	L.S.	1		
A.11	Supply and Placement of Waterproofing	E29	L.S.	1		
A.12	Supply and Installation of Aluminum Pedestrian Handrail	E32	L.S.	1		
A.13	Chain Link Fencing	CW 3550-R2, E36	m	85		
A.14	Welcome to Transcona Signage	E35	each	2		
A.15	Hydro Excavation	E21	hrs	25		
A	***CN REDDITT SUBDIVISION - UNDERPASS STRUCTURES***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	***PLESSIS ROAD ASPHALT RECONSTRUCTION - DUGALD ROAD TO APPROX. 300M SOUTH, INCLUDING DUGALD ROAD AND PLESSIS ROAD INTERSECTION WORKS***					
	EARTH AND BASE WORKS					
B.1	Clearing and Grubbing	CW 3010-R4	ha	0.02		
B.2	Excavation	CW 3110-R17, E75	m^3	8500		
B.3	Sub-Grade Compaction	CW 3110-R17	m^2	10000		
B.4	Crushed Sub-base Material	CW 3110-R17				
i)	50 mm		tonne	2900		
ii)	100 mm		tonne	1800		
iii)	150 mm		tonne	10000		
B.5	Supplying and Placing Base Course Material	CW 3110-R17	m^3	950		
B.6	Grading of Boulevards	CW 3110-R17	m^2	300		
B.7	Ditch Grading	CW 3110-R17	m^2	1000		
B.8	Ditch Excavation	CW 3110-R17	m^3	550		
B.9	Removal of Existing Concrete Bases	CW 3110-R17				
i)	600 mm Diameter or Less		each	5		
ii)	Greater than 600 mm Diameter		each	1		
B.10	Separation Geotextile Fabric	CW 3130-R4	m^2	10000		
B.11	Supply and Install Geogrid	CW 3135-R1	m^2	1000		
	ROADWORK - REMOVALS/RENEWALS					
B.12	Pavement Removal	CW 3110-R17				
i)	Concrete Pavement		m^2	4600		
ii)	Asphalt Pavement		m^2	350		
B.13	Slab Replacement	CW 3230-R7				
i)	200 mm Concrete Pavement (Plain-Dowelled)		m^2	450		
B.14	Partial Slab Patches	CW 3230-R7				
i)	200 mm Concrete Pavement (Type A)		m^2	15		
ii)	200 mm Concrete Pavement (Type B)		m^2	220		
iii)	200 mm Concrete Pavement (Type C)		m^2	80		
iv)	200 mm Concrete Pavement (Type D)		m^2	80		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.15	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R7				
i)	200 mm Concrete Pavement (Type B)		m²	50		
B.16	Drilled Dowels	CW 3230-R7				
i)	19.1 mm Diameter		each	600		
B.17	Drilled Tie Bars	CW 3230-R7				
i)	20 M Deformed Tie Bar		each	3500		
B.18	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Median Slab		m²	300		
ii)	100 mm Sidewalk		m²	150		
iii)	Bullnose		m²	15		
B.19	Concrete Curb Removal	CW 3240-R10				
i)	Barrier (Separate)		m	350		
B.20	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (180 mm reveal ht, Dowelled)	SD-205	m	230		
B.21	Construction of Asphaltic Concrete Overlay	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	950		
B.22	Planing of Pavement	CW 3450-R5				
i)	0 - 50 mm Depth (Asphalt)		m²	2500		
ii)	50 - 100 mm Depth (Asphalt)		m²	1000		
B.23	Detectable Warning Surface Tiles	CW 3326				
i)	610 mm X 1220 mm		each	9		
	JOINT AND CRACK SEALING					
B.24	Crack Sealing	E79	m	500		
B.25	Reflective Crack Maintenance	CW 3250-R7	m	1500		
	ROADWORKS - NEW CONSTRUCTION					
B.26	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R14				
i)	Construction of 200 mm Concrete Pavement (Plain-Dowelled)		m²	2750		
ii)	Construction of Concrete Median Slabs	SD-227A	m²	220		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iii)	Construction of Monolithic Concrete Median Slabs	SD-226A	m²	400		
iv)	Construction of Monolithic Concrete Bull-noses	SD-227C	m²	10		
B.27	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R14				
i)	Construction of Curb and Gutter (180 mm ht, Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200	m	520		
ii)	Construction of Curb and Gutter (8-12 mm ht, Curb Ramp, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-229E	m	25		
iii)	Construction of Curb Ramp (8-12 mm ht, Monolithic)	SD-229C	m	15		
iv)	Construction of Splash Strip, (Separate, 600 mm width)	SD-223B	m	120		
B.28	Supply and Installation of Dowel Assemblies	CW 3310-R14	m	600		
B.29	100 mm Concrete Sidewalk	CW 3325-R5	m²	200		
B.30	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	750		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	75		
B.31	Construction of Asphaltic Concrete Base Course (Type III)	CW 3410-R9	tonne	1650		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
B.32	Removal of Existing Catch Basins	CW 2130-R12	each	1		
B.33	Abandoning Existing Drainage Inlets	CW 2130-R12	each	2		
B.34	Installation of Subdrains	CW 3120-R4	m	350		
	ADJUSTMENTS					
B.35	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	6		
B.36	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	1		
B.37	Adjustment of Valve Boxes	CW 3210-R7	each	3		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B.38	Adjustment of Curb Stop Boxes	CW 3210-R7	each	5		
B.39	Adjustment of Traffic Signal Service Box Frames	CW 3210-R7	each	5		
	TEMPORARY PAVEMENT					
B.40	Crushed Sub-base Material	CW 3110-R17				
i)	50 mm		tonne	400		
B.41	Supplying and Placing Base Course Material	CW 3110-R17	m^3	60		
B.42	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	160		
	MISCELLANEOUS					
B.43	Tree Removal	E9	each	10		
B.44	Polyethylene Waterline, 50 mm	CW 3530-R3	m	60		
B.45	Sprinkler Assemblies	CW 3530-R3	each	5		
B.46	Removal of Irrigation Pipe and Sprinkler Heads	CW 3530-R3	m	60		
B.47	Supply and Installation of Crash Attenuation Barrier	E74	L.S.	1		
B.48	Remove and Salvage Existing Overhead Sign Support Structures	E93				
i)	Dugald Rd. E/B West of Plessis Rd.		LS	1		
B.49	Supply and Installation of Steel Overhead Sign Support Structures	E95	each	1		
B.50	Cast-in-Place Concrete Pile Foundations	E80	each	1		
B.51	Hydro Excavation	E21	hrs	25		
B.52	Grouted Stone Riprap	CW 3615-R2	m^3	10		
B.53	Salvaging Existing Barrier Rail	CW 3650-R6	m	75		
B.54	Salvaging Existing Barrier Posts	CW 3650-R6	each	13		
B	***PLESSIS ROAD ASPHALT RECONSTRUCTION - DUGALD ROAD TO APPROX. 300M SOUTH, INCLUDING DUGALD ROAD AND PLESSIS ROAD INTERSECTION WORKS***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	***PLESSIS ROAD CONCRETE RECONSTRUCTION - DUGALD ROAD TO PANDORA AVENUE W.***					
	EARTH AND BASE WORKS					
C.1	Excavation	CW 3110-R17, E75, E81	m^3	100000		
C.2	Excavate, Transport and Disposal of Contaminated Soil	CW 3110-R17, E75	m^3	100		
C.3	Off-Site Disposal of Contaminated Water	E75	Litre	20000		
C.4	Excavation and Backfill Test Pits	E75	Hours	30		
C.5	Sub-Grade Compaction	CW 3110-R17	m^2	27500		
C.6	Crushed Sub-base Material	CW 3110-R17				
i)	50 mm		tonne	10300		
ii)	100 mm		tonne	16500		
iii)	150 mm		tonne	8300		
C.7	Supplying and Placing Base Course Material	CW 3110-R17	m^3	2800		
C.8	Grading of Boulevards	CW 3110-R17	m^2	18500		
C.9	Ditch Grading	CW 3110-R17	m^2	250		
C.10	Ditch Excavation	CW 3110-R17	m^3	250		
C.11	Removal of Existing Concrete Bases	CW 3110-R17				
i)	600 mm Diameter or Less		each	5		
ii)	Greater than 600 mm Diameter		each	2		
C.12	Separation Geotextile Fabric	CW 3130-R4	m^2	27500		
C.13	Supply and Install Geogrid	CW 3135-R1	m^2	2750		
	ROADWORK - REMOVALS/RENEWALS					
C.14	Pavement Removal	CW 3110-R17				
i)	Concrete Pavement		m^2	14200		
ii)	Asphalt Pavement		m^2	900		
C.15	Slab Replacement	CW 3230-R7				
i)	200 mm Concrete Pavement (Plain-Dowelled)		m^2	70		
C.16	Partial Slab Patches	CW 3230-R7				
i)	200 mm Concrete Pavement (Type A)		m^2	15		
ii)	200 mm Concrete Pavement (Type B)		m^2	50		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.17	Slab Replacement - Early Opening (24 hour)	CW 3230-R7				
i)	200 mm Concrete Pavement (Plain-Dowelled)		m²	20		
C.18	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R7				
i)	200 mm Concrete Pavement (Type B)		m²	30		
C.19	Drilled Dowels	CW 3230-R7				
i)	19.1 mm Diameter		each	125		
C.20	Drilled Tie Bars	CW 3230-R7				
i)	20 M Deformed Tie Bar		each	350		
C.21	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Median Slab		m²	400		
ii)	100 mm Sidewalk		m²	2600		
iii)	Bullnose		m²	10		
C.22	Concrete Curb Removal	CW 3240-R10				
i)	Barrier (Separate)		m	230		
C.23	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (180 mm reveal ht, Dowelled)	SD-205	m	200		
C.24	Construction of Asphaltic Concrete Overlay	CW 3410-R9				
i)	Tie-ins and Approaches					
a)	Type IA		tonne	400		
C.25	Planing of Pavement	CW 3450-R5				
i)	0 - 50 mm Depth (Asphalt)		m²	150		
ii)	0 - 50 mm Depth (Concrete)		m²	50		
C.26	Detectable Warning Surface Tiles	CW 3326				
i)	610 mm X 1220 mm		each	12		
	JOINT AND CRACK SEALING					
C.27	Reflective Crack Maintenance	CW 3250-R7	m	500		
	ROADWORKS - NEW CONSTRUCTION					
C.28	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R14				
i)	Construction of 250 mm Concrete Pavement (Plain-Dowelled) "Slip Form Paving"		m²	16565		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	Construction of 200 mm Concrete Pavement (Plain-Dowelled)		m²	950		
iii)	Construction of 200 mm Concrete Pavement (Reinforced)		m²	650		
iv)	Construction of 150 mm Concrete Pavement (Reinforced)		m²	1400		
v)	Construction of Concrete Median Slabs	SD-227A	m²	320		
vi)	Construction of Monolithic Concrete Median Slabs	SD-226A	m²	630		
vii)	Construction of Monolithic Curb and Sidewalk	SD-228B	m²	750		
viii)	Construction of Monolithic Concrete Bull-noses	SD-227C	m²	30		
C.29	Concrete Pavements for Early Opening	CW 3310-R14				
i)	Construction of 250 mm Concrete Pavement for Early Opening 24 hour (Plain-Dowelled)		m²	200		
C.30	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R14				
i)	Construction of Barrier (180 mm ht, Separate)	SD-203A	m	225		
ii)	Construction of Curb and Gutter (180 mm ht, Barrier, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200	m	475		
iii)	Construction of Curb and Gutter (15 mm ht, Lip Curb, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-202B	m	15		
iv)	Construction of Curb and Gutter (75 mm ht, Lip Curb, Integral, 600 mm width, 150 mm Plain Concrete Pavement)	SD-200 SD-202B	m	30		
v)	Construction of Mountable Curb 120 (Integral)	SD-201	m	500		
vi)	Construction of Curb Ramp (8-12 mm ht, Monolithic)	SD-229C	m	165		
vii)	Construction of Splash Strip (180 mm ht, Monolithic Barrier Curb, 750 mm width) "Slip Form Paving"	SD-223A	m	2075		
viii)	Construction of Splash Strip (180 mm ht, Monolithic Modified Barrier Curb, 750 mm width)	SD-223A	m	175		
C.31	Supply and Installation of Dowel Assemblies	CW 3310-R14	m	3600		
C.32	100 mm Concrete Sidewalk	CW 3325-R5	m²	1100		
C.33	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	400		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.34	Construction of Asphaltic Concrete Base Course (Type III)	CW 3410-R9	tonne	1000		
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
C.35	Removal of Existing Catch Basins	CW 2130-R12	each	2		
C.36	Abandoning Existing Drainage Inlets	CW 2130-R12	each	7		
C.37	Installation of Subdrains	CW 3120-R4	m	800		
C.38	Removal of Existing Culverts	E72	m	150		
C.39	Watermain and Water Service Insulation	CW 2110, SD-018	m	300		
	ADJUSTMENTS					
C.40	Adjustment of Catch Basins / Manholes Frames	CW 3210-R7	each	16		
C.41	Adjustment of Valve Boxes	CW 3210-R7	each	1		
C.42	Adjustment of Curb Stop Boxes	CW 3210-R7	each	5		
	TEMPORARY PAVEMENT					
C.43	Crushed Sub-base Material	CW 3110-R17				
i)	50 mm		tonne	350		
C.44	Supplying and Placing Base Course Material	CW 3110-R17	m^3	40		
C.45	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	100		
C.46	Temporary Pavement Under Structure	E82	m^2	1000		
	ACTIVE TRANSPORTATION PATHWAY					
C.47	Excavation	CW 3110-R17	m^3	750		
C.48	Sub-Grade Compaction	CW 3110-R17	m^2	2700		
C.49	Crushed Sub-base Material	CW 3110-R17				
i)	50 mm		tonne	1000		
C.50	Supplying and Placing Base Course Material	CW 3110-R17	m^3	150		
C.51	Separation Geotextile Fabric	CW 3130-R4	m^2	2700		
C.52	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Main Line Paving					
a)	Type IA		tonne	480		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C.53	Crack Sealing	CW 3250-R7				
i)	2 mm to 10 mm Wide		m	400		
ii)	>10 mm to 25 mm Wide		m	400		
	MISCELLANEOUS					
C.54	Tree Removal	E9	each	61		
C.55	Chain Link Fence Removal	E78	m	80		
C.56	Chain Link Fence	CW 3550-R2				
i)	1.83m Height		m	80		
C.57	Wood Fence Removal	E97	m	5		
C.58	Grouted Rip Rap Removal	E97	m^2	10		
C.59	Landscape Boulder Relocation	E97	each	4		
C.60	Landscape Planter Relocation	E97	each	2		
C.61	Relocation of "Transcona Community Path Sign"	E97	each	2		
C.62	Supply and Installation of Crash Attenuation Barrier	E74	LS	1		
C.63	Relocation of Transcona BIZ Pedestal	E94	LS	1		
C.64	Hydro Excavation	E21	hrs	25		
C.65	Gates	CW 3550-R2	m	8		
C.66	Grouted Stone Riprap	CW 3615-R2	m^3	45		
C.67	Demolition and Removals	E20	LS	1		
C.68	Speed Table Removals	E97	each	8		
C.69	Temporary Precast Concrete Barriers	E83	each	105		
C	***PLESSIS ROAD CONCRETE RECONSTRUCTION - DUGALD ROAD TO PANDORA AVENUE W.***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	***PLESSIS ROAD - MISCELLANEOUS WATERMAIN, WASTEWATER SEWER AND LAND DRAINAGE WORKS***					
	WATERMAINS					
D.1	Watermain	CW 2110-R11				
i)	150 mm					
a)	In a Trench With Class B Sand Bedding, Class 3 Backfill		m	5		
i)	200mm					
a)	Trenchless Installation With Class B Sand Bedding, Class 3 Backfill		m	100		
D.2	Hydrant Assembly	CW 2110-R11				
i)	SD-006		each	1		
D.3	Watermain Valve	CW 2110-R11				
i)	150 mm		each	1		
ii)	200 mm		each	1		
D.4	Fittings	CW 2110-R11				
i)	Tees					
a)	200 mm x 200 mm x 150 mm		each	1		
ii)	Bends (SD-004)					
a)	200 mm - 11.25º		each	1		
b)	200 mm - 45º		each	2		
iii)	Bends (SD-005)					
a)	150 mm - 45º		each	1		
D.5	Connecting to Existing Watermains and Large Diameter Water Services	CW 2110-R11				
i)	In-line Connection - No Plug Existing					
a)	150 mm		each	1		
b)	200 mm		each	2		
D.6	Water Services	CW 2110-R11				
i)	50 mm					
a)	In a Trench With Class B Sand Bedding, Class 3 Backfill		m	10		
D.7	Corporation Stops	CW 2110-R11				
i)	50 mm		each	1		
D.8	Curb Stops	CW 2110-R11				
i)	50 mm		each	1		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.9	Curb Stop Boxes	CW 2110-R11				
i)	50 mm		each	1		
D.10	10.9 Kilogram Sacrificial Zinc Anodes	CW 2110-R11				
i)	On 50 mm Water Services		each	2		
D.11	Hydrant Adjustments	CW 2110-R11				
i)	Raising Existing Hydrant					
a)	150 mm		each	1		
b)	300 mm		each	1		
ii)	Relocating existing Hydrant -Type 'A'		each	1		
D.12	Adjustment of Valve Boxes	CW 3210-R7	each	9		
D.13	Removal of Abandoned 200mm Asbestos Cement Watermain	E68	m	330		
D.14	Removal of Existing Box Enclosure (Dugald Aband)	CW 3530-R3	each	1		
D.15	Abandoning Existing Watermain with Cement Stabilized Flowable Fill	E67	m3	5		
	WASTE WATER SEWERS					
D.16	Wastewater Sewers	CW 2130-R12				
i)	150 mm PVC DR 18 C900 WWS FRM c/w Bends					
a)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	115		
b)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	115		
ii)	200 mm SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	7		
iii)	250 mm SDR 35 PVC					
a)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	48		
iv)	450 mm C76-IV or SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	20		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	60		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	86.0		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.17	Manholes	CW 2130-R12				
i)	SD-010					
a)	1200 mm (MH.W5,6,7,9,12,13)		v.m	24.2		
D.18	Install New Manhole on Existing Sewer	CW 2130-R12				
i)	SD-010					
a)	1200 mm (MH.W10,11)		v.m	9.5		
D.19	Connecting to Existing Manhole	CW 2130-R12				
i)	150 mm FRM (MH0733)		each	1		
ii)	250 mm (MH7984)		each	1		
iii)	450 mm (MH.W4)		each	1		
D.20	Connecting to Existing Sewer	CW 2130-R12				
i)	150 mm PVC DR 18 C900 to 150 mm FRM		each	1		
D.21	Abandoning Existing Sewers with Cement Stabilized Flowable Fill	CW 2130-R12, E66	m3	15		
D.22	Abandoning Existing Manholes	CW 2130-R12	each	5		
D.23	Removal of Existing Manholes	CW 2130-R12	each	5		
D. 24	Removal of Abandoned 375mm Concrete WWS	E68	m	245		
D.25	Concrete Pipe Three-Edge Bearing Test	CW 2130-R12				
i)	450 mm C76-IV		each	1		
D.26	Sewer Inspection	CW 2145-R3				
i)	200 mm		m	7		
ii)	250 mm		m	48		
iii)	450 mm		m	166		
D.27	250mm Circular Flap Gate on Round MH Wall (MH.W12)	E64	each	1		
	LAND DRAINAGE SEWERS					
D.28	Land Drainage Sewers	CW 2130-R12				
i)	250 mm SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	22		
ii)	300 mm SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	6		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	20		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	18		
iii)	375 mm C76-III or SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	88		
iv)	450 mm C76-III or SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	20		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	172		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	76		
v)	525 mm SDR 35 PVC					
a)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	25		
vi)	525 mm C76-IV					
a)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	9		
vii)	525 mm C76-V					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	15		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	6		
viii)	600 mm C76-III					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	9		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	40		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	55		
ix)	1050 mm C76-III					
a)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	17		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	12		
x)	1050 mm C76-V					
a)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	148		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.29	Manholes	CW 2130-R12				
i)	SD-010					
a)	1200 mm (MH.L11,12,13,17,18,19,L20,21,23,25,26,)		v.m	34.2		
b)	1500 mm x 1.83 base (MH.L8,9)		v.m	7.9		
c)	1800 mm x 1.83 base (MH.L15,16,22)		v.m	13.4		
d)	2100 mm x 4.57 base (MH.L24)		v.m	6.6		
e)	2700 mm x 3.66 base (MH.L14)		v.m	7.7		
D.30	Install New Manhole on Existing Sewer	CW 2130-R12				
i)	SD-010					
a)	1500 mm (MH.L10)		v.m	3.8		
D.31	Catch Basin	CW 2130-R12				
i)	SD-024					
a)	1200 mm deep		each	6		
b)	1200 mm deep (c/w AP-011)		each	1		
c)	1800 mm deep		each	19		
d)	1800 mm deep (c/w AP-011)		each	3		
e)	2250 mm deep		each	3		
ii)	SD-025					
a)	1800 mm deep		each	5		
iii)	SD-025 c/w Ditch Inlet Grate					
a)	1200 mm		each	5		
b)	1800 mm		each	9		
c)	2100 mm		each	2		
d)	2250 mm deep		each	1		
iv)	SD-025 c/w Ditch Inlet Grate & Retaining Wall					
a)	1200 mm		each	4		
b)	1800 mm		each	1		
D.32	Catch Pit	CW 2130-R12				
i)	SD-023					
a)	460 mm deep		each	25		
b)	460 mm deep (c/w AP-011)		each	4		
c)	750 mm dia., 610mm deep c/w TF101-3 frame, TF 101M solid cover and 1.3 m of 150mm CSP		each	1		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.33	Sewer Service (SSP)	CW 2130-R12				
i)	250 mm SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	100		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	315		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	75		
ii)	300 mm SDR 35 PVC					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	75		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	25		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	215		
iii)	375 mm Preinsulated SDR 35 PVC c/w Heat Trace Cable					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	21		
D.34	Drainage Connection Pipe (DCP)	CW 2130-R12				
i)	In a Trench, Class B Sand Bedding, Class 2 Backfill					
a)	250 mm SDR 35 PVC		m	105		
b)	300 mm SDR 35 PVC		m	5		
D.35	Sewer Service Risers	CW 2130-R12				
i)	SD-014					
a)	300 mm		v.m	15		
D.36	Corrugated Steel Pipe Culvert - Supply	CW 3610-R3				
i)	400 mm x 2.0 mm		m	13		
ii)	450 mm x 2.0 mm		m	69		
iii)	1390 x 970 mm x 2.8mm		m	18		
D.37	Corrugated Steel Pipe Culvert - Install	CW 3610-R3				
i)	400 mm x 2.0 mm					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	13		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ii)	450 mm x 2.0 mm					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	31		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	38		
iii)	1390 x 970 mm x 2.8mm thick					
a)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	18		
D.38	Precast Concrete Pipe Culvert - Supply	CW 3610-R3				
i)	600mm C76-IV		m	72		
ii)	1050mm C76-V		m	151		
D.39	Precast Concrete Pipe Culvert - Install	CW 3610-R3				
i)	600mm C76-IV					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	16		
b)	In a Trench, Class B Sand Bedding, Class 4 Backfill		m	21		
c)	Trenchless Installation With Class B Sand Bedding, Class 2 Backfill		m	35		
ii)	1050mm C76-V					
a)	In a Trench, Class B Sand Bedding, Class 2 Backfill		m	151		
D.40	RCP Flared End Sections	CW 2130-R12				
i)	525mm C76-III c/w safety grate		each	1		
ii)	600mm C76-IV		each	2		
iii)	600mm C76-V c/w safety grate		each	1		
iv)	1050mm C76-V		each	4		
D.41	Dry Pond Inlet Structure	E65	each	1		
D.42	Connecting to Existing Manhole	CW 2130-R12				
i)	250mm (MH.L3,5A)		each	2		
ii)	300mm (MH.1060)		each	2		
iii)	450mm (MH.L1)		each	1		
iv)	600mm (MH.L7)		each	1		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.43	Connecting to Existing Sewer	CW 2130-R12				
i)	250mm PVC to 525mm Conc.		each	4		
ii)	300mm PVC to 1050mm Conc.		each	1		
iii)	300mm PVC to 1350mm Conc. (SD-009)		each	6		
D.44	Plugging Existing Sewers and Sewer Services Smaller Than 300mm	CW 2130-R12				
i)	150 mm		each	2		
ii)	250mm		each	2		
D.45	Abandoning Existing Sewer Services under existing or future pavements	CW 2130-R12	each	4		
D.46	Abandoning Existing LDS with Cement Stabilized Fill	CW 2130-R12				
i)	300mm		m3	5		
ii)	375mm		m3	5		
iii)	450mm		m3	12		
iv)	600mm		m3	13		
v)	800mm		m3	10		
vi)	900mm		m3	22		
vii)	1050mm		m3	420		
viii)	1050mm x 900mm Box		m3	20		
D.47	Removal of Existing Abandoned LDS/CSP	E68				
i)	200/250/300mm		m	70		
ii)	375mm		m	18		
iii)	525mm		m	30		
iv)	600mm		m	183		
v)	900mm		m	40		
D.48	Abandoning Existing Manholes	CW 2130-R12	each	1		
D.49	Removal of Existing Manholes	CW 2130-R12	each	2		
D.50	Removal of Existing Catch Basins	CW 2130-R12	each	9		
D.51	Removal of Existing Catch Pits	CW 2130-R12	each	10		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.52	Concrete Pipe Three-Edge Bearing Test	CW 2130-R12				
i)	450mm C76-III		each	1		
ii)	525mm C76-V		each	1		
iii)	600mm C76-III		each	1		
iv)	1050mm C76-V		each	1		
D.53	Sewer Inspection	CW 2145-R3				
i)	250mm		m	180		
ii)	300mm		m	215		
iii)	375mm		m	92		
iv)	450mm		m	270		
v)	525mm		m	21		
vi)	600mm		m	108		
vii)	1050mm		m	300		
D.54	Grouted Stone Riprap	CW 3615-R2	m^3	410		
D.55	Heat Trace Cable System for SSP	E70	each	1		
D.56	Catch Pit Insulation	E69	each	6		
D.57	300 SSP Installation Thru Retaining Wall c/w 400mm Steel Casing and End Seals	E73	L.S.	1		
	DRY POND					
D.58	Removals					
i)	300mm Abandoned Non-Asbestos Cement Watermain Removal	E68	m	130		
ii)	450mm Abandoned Asbestos Cement Watermain	E67	m	75		
iii)	500mm Abandoned Non-Asbestos Cement Watermain Removal	E68	m	105		
iv)	Abandoned Reservoir Foundation	E20	m^3	150		
v)	Abandoned Pump House Foundation	E20	m^3	65		
vi)	Abandoned Valve Pit/Chamber Foundation	E20	m^3	15		
D.59	Clearing and Grubbing	CW 3010-R12	ha	1		
D.60	Preparation of Existing Ground Surface	CW 3170-R12	m2	12,500		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D.61	Common Excavation	CW 3170-R12				
i)	Suitable Site		m3	8,400		
ii)	Unsuitable Site		m3	100		
D.62	Fill Material	CW 3170-R12				
i)	Suitable Site		m3	1,500		
D	***PLESSIS ROAD - MISCELLANEOUS WATERMAIN, WASTEWATER SEWER AND LAND DRAINAGE WORKS***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E	***LANDSCAPING***					
E.1	Sodding	E87				
i)	width < or = 600mm (no topsoil)		m²	925		
ii)	width < or = 600mm (c/w 75 mm imported topsoil)		m²	900		
iii)	width > 600mm (c/w 75mm imported topsoil)		m²	12,100		
E.2	Seeding	E88				
i)	Salt Tolerant Seed Mix		m²	26,000		
ii)	Naturalized Low Mow Seed Mix		m²	7,000		
iii)	Turf Grass Seed Mix		m²	4,500		
iv)	Fescue Overs-seed Mix		m²	8,500		
E.3	Soil Amendments for Salt Tolerant, Naturalized and Turf Grass Seeding and Related Sod Edge Strips	E89	m²	41,000		
E.4	Planting Beds with Growing Medium (450mm Depth)	E86	m²	240		
E.5	Wood Chip Mulch (50mm Depth)	E86	m²	240		
E.6	Plant Material	E89				
i)	Colorado Spruce (1.8m HT)		each	10		
ii)	Colorado Spruce (2.4m HT)		each	8		
iii)	Black Hills Spruce (1.8m HT)		each	10		
iv)	Black Hills Spruce (2.4m HT)		each	12		
v)	Baron Manitoba Maple (65 mm cal.)		each	4		
vi)	American Elm (65 mm cal.)		each	7		
vii)	Discovery Elm (65 mm cal.)		each	10		
viii)	Bur Oak (50 mm cal.)		each	9		
ix)	Delta Hackberry (50 mm cal.)		each	3		
x)	Ohio Buckeye (50 mm cal.)		each	10		
xi)	Fallgold Black Ash (65 mm cal.)		each	3		
xii)	Patmore Green Ash (65 mm cal.)		each	3		
xiii)	Manchurian Ash (65 mm cal.)		each	5		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
xiv)	Prairie Horizon Alder (50 mm cal.)		each	5		
xv)	Trembling Aspen (50 mm cal.)		each	10		
xvi)	Dropmore Linden (65 mm cal.)		each	2		
xvii)	Little Leaf Linen (65 mm cal.)		each	4		
xviii)	Japanese Tree Lilac		each	6		
xix)	Amur Maple (1.8 m ht.)		each	14		
xx)	False Spirea (0.60 m ht.)		each	10		
xxi)	Downy Arrowwood(0.75 m ht.)		each	63		
xxii)	Nannyberry (0.75 m ht.)		each	18		
xxiii)	Redosier Dogwood (0.45 m ht.)		each	24		
xxiv)	Firedance Dogwwod (0.60 m ht.)		each	7		
xxv)	Red-Berried Elder (0.75 m ht.)		each	7		
E.7	Site Furnishings					
i)	Bench - 1.8m long		each	1		
ii)	Trash Receptacle		each	1		
E.8	Chemical Application of Herbicide	E92	per time	1		
E.9	Long-term Maintenance	E90				
i)	General Maintenance of Landscaping		annual	2		
ii)	General Plant Material and Planting Bed Maintenance		annual	2		
E.10	Installation of Interlocking Paving Stones					
i)	Interlocking Paving Stones	CW 3330-R1	m^2	15		
ii)	Supplying and Placing Limestone Sub-base	CW 3330-R5	tonne	7		
E.11	Installation of Interlocking Paving Stones on Lean Concrete Base					
i)	Interlocking Paving Stones	CW 3335-R1	m^2	600		
ii)	Lean Concrete Base	CW 3335-R1	m^2	600		
E	***LANDSCAPING***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F	***CN REDDITT SUBDIVISION - TRACK CONSTRUCTION***					
	TRACK CONSTRUCTION WORKS					
F.1	Install Supplied No. 12 LH 136lb RBM Turnout Complete on New HDWD switch ties.	E53	Each	3.0		
F.2	Install Supplied No. 12 RH 136lb RBM Turnout Complete on New HDWD switch ties.	E53	Each	3.0		
F.3	Supply and Install 136lb Jointed Track Structure on New No.1 Treated Hardwood Ties Complete.	E53	Track Ft.	2,540		
F.4	Supply and Install 136lb Thermite Welds Complete.	E53	Each	240		
F.5	Install Supplied 39' Track Panels	E53	Each	10		
F.6	Reline Existing Track	E53	Track Ft.	1,220		
F.7	Supply and Place Ballast	E53	cu. Yard	2,900		
	TRACK REMOVAL					
F.8	Removal of Shoofly 136lb CWR Track Material	E53	Track Ft.	3,850		
F.9	Removal of Mainline 136lb CWR Track Material	E53	Track Ft.	2,610		
F.10	Removal of No. 10 136lb Turnouts	E53	each	6		
F.11	Removal and Stockpile of Ballast	E53	cu. Yard	3,300		
	SALVAGE OF REMOVED SHOOFLY TRACK MATERIAL					
F.12	Salvage of Removed 136lb CWR Rail	E53.17 & E53.19.10	Track Ft.	-3,850		
F.13	Salvage of Removed Pre-Plated Track Ties Complete with Spikes and Anchors	E53.17 & E53.19.11	each	-2,300		
F.14	Salvage of Removed No. 10 136lb Turnouts	E53.17 & E53.19.12	each	-6		
	EARTH AND BASE WORKS					
F.15	Sub-Grade Compaction	CW 3110-R17	m^2	11,700		
F.16	Fill Material	CW 3170-R12				
i)	Suitable Site		m^3	1,000		
F.17	Supply and Place Sub-Ballast Material	E56	m^3	1,700		
	SHOOFLY REMOVAL EARTH AND BASE WORKS					
F.18	Reclaim and Place Crushed Sub-Base Material	E53	m^3	2,700		
F.19	Removal and Stockpile Crushed Sub-Base Material	E53 & E81	m^3	2,000		

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F.20	Removal and Stockpile Sub-Ballast Material	E53 & E81	m^3	3,700		
F.21	Ditch Grading	CW 3110-R17	m^2	2,800		
F.22	Ditch Excavation	CW 3110-R17	m^3	1,420		
	MISCELLANEOUS					
F.23	Construction of Asphaltic Concrete Pavements	CW 3410-R9				
i)	Tie-ins and Approaches					
a)	Type IA		tonne	155		
F.24	Install Chain Link Fence - Salvaged Materials	E78	m	275		
F.25	Remove and Salvage Chain Link Fence	E78	m	215		
F.26	Random Stone Riprap	CW 3615-R2	m^3	4		
F.27	Removal of Existing Culverts	E72	m	345		
F.28	Removal of Subdrains	E72	m	280		
F.29	Corrugated Steel Pipe Culvert - Supply	CW 3610-R3				
i)	450 mm x 2.0 mm		m	10		
ii)	600 mm x 2.0 mm		m	100		
F. 30	Corrugated Steel Pipe Culvert - Install	CW 3610-R3				
i)	450 mm x 2.0 mm		m	10		
ii)	600 mm x 2.0 mm		m	100		
F.31	Relocation of Culvert	E57	m	20		
F	***CN REDDITT SUBDIVISION - TRACK CONSTRUCTION***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
G	***PUMPING STATION CONSTRUCTION***					
G.1	General Pumping Station Provisions	E52	L.S.	1		
G.2	Structural Excavation, Shoring and Dewatering	E44	L.S.	1		
G.3	Rock-Socketed Caissons					
i)	Supply and Install Rock-Socketed Caissons	E24 & E43	L.S.	1		
ii)	Added Length of Rock-Socket	E24 & E43	m	5		
iii)	Added Length of Steel Casing into Weathered Rock Zone	E24 & E43	m	5		
iv)	Subtracted Length of Rock-Socketed Caisson	E24.3.4, E24.21.1 & E43	m	-6		
G.4	Sub Structure	E44	L.S.	1		
G.5	Super Structure	E45	L.S.	1		
G.6	Process Mechanical Systems	E46	L.S.	1		
G.7	Supply of Vertical Submersible Pumps	E46	each	3		
G.8	Plumbing and HVAC Mechanical Systems	E47	L.S.	1		
G.9	Electrical Systems	E48	L.S.	1		
G.10	Supply of Natural Gas Generator	E48	each	1		
G.11	Instrumentation and Control Systems	E49	L.S.	1		
G.12	Applicable MRST (PST) for Items G.6 to G.11	B11	L.S.	1		
G	***PUMPING STATION CONSTRUCTION***				Sub-Total	

FORM B (R1): PRICES

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, LAND DRAINAGE SEWER AND MICELLANEOUS UNDERROUND AND LANDSCAPING WORKS

(SEE B9)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
	SUMMARY					
A	**CN REDDITT SUBDIVISION - UNDERPASS STRUCTURES**				Sub-Total	
B	**PLESSIS ROAD ASPHALT RECONSTRUCTION - DUGALD ROAD TO APPROX. 300M SOUTH, INCLUDING DUGALD ROAD AND PLESSIS ROAD INTERSECTION WORKS**				Sub-Total	
C	**PLESSIS ROAD CONCRETE RECONSTRUCTION - DUGALD ROAD TO PANDORA AVENUE W.**				Sub-Total	
D	**PLESSIS ROAD - MISCELLANEOUS WATERMAIN, WASTEWATER SEWER AND LAND DRAINAGE WORKS**				Sub-Total	
E	**LANDSCAPING**				Sub-Total	
F	**CN REDDITT SUBDIVISION - TRACK CONSTRUCTION**				Sub-Total	
G	**PUMPING STATION CONSTRUCTION**				Sub-Total	

TOTAL BID PRICE (GST extra) (in figures) _____

(in words) _____

_____
Name of Bidder

FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 1 of 2)
(See B12)

BID BOND

KNOW ALL MEN BY THESE PRESENTS THAT

_____
(hereinafter called the "Principal") and

_____
(hereinafter called the "Surety"), are held and firmly bound unto **THE CITY OF WINNIPEG** (hereinafter called the "Obligee") in the sum of ten percent (10%) of the Total Bid Price set out in the Bid hereinafter described, for the payment of which sum the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has submitted a Bid to the Obligee for

BID OPPORTUNITY NO. 712-2013

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, PUMPING STATION, LAND DRAINAGE SEWER AND MISCELLANEOUS UNDERGROUND AND LANDSCAPING WORKS

as more fully set out in the Bid Opportunity.

NOW THEREFORE the condition of this obligation is such that if the Bid of the Principal is not accepted, or if said Bid is accepted and the Principal, in accordance with the terms of the Bid, enters into a Contract with the said Obligee and furnishes the required performance security for guaranteeing the faithful performance of the Contract, this obligation shall be void, but otherwise shall remain in full force and effect.

IN WITNESS WHEREOF the Principal and Surety have signed and sealed this bond the

_____ day of _____ , 20_____ .

SIGNED AND SEALED
in the presence of:

_____
(Witness as to Principal if no seal)

_____
(Name of Principal)

Per: _____ (Seal)

Per: _____

_____
(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

FORM G1: BID BOND AND AGREEMENT TO BOND
(Page 2 of 2)
(See B12)

AGREEMENT TO BOND
(to be attached to and to form part of Bid Bond)

The Surety on the attached Bid Bond hereby undertakes and agrees with **THE CITY OF WINNIPEG** to become bound as Surety for the Principal,

_____ of
(Name of Bidder)

_____
(Place)

the Bidder to you on _____ , 20____ for

BID OPPORTUNITY NO. 712-2013

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, PUMPING STATION, LAND DRAINAGE SEWER AND MISCELLANEOUS UNDERGROUND AND LANDSCAPING WORKS

in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our Principal's Bid is accepted by you, such Performance Bond to be maintained and continue in full force and effect until the expiration of the warranty period. The Performance Bond shall be in the form specified in the Bid Opportunity.

It is a condition that this Agreement to Bond shall become null and void if the Performance Bond mentioned above is not required from our Principal within Sixty (60) Calendar Days following the Submission Deadline.

AND IT IS HEREBY DECLARED AND AGREED that the Surety shall be liable as Principal, and that nothing of any kind or matter whatsoever that will not discharge the Principal shall operate as a discharge or release of liability of the Surety, any law or usage relating to the liability of Sureties to the contrary notwithstanding.

SIGNED AND SEALED this _____ day of _____ , 20_____ .

_____
(Name of Surety)

By: _____ (Seal)
(Attorney-in-Fact)

FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING (BID SECURITY) (Page 1 of 2)
(See B12)

_____
(Date)

The City of Winnipeg
Corporate Finance Department
Materials Management Division
185 King Street, Main Floor
Winnipeg MB R3B 1J1

RE: BID SECURITY - BID OPPORTUNITY NO. 712-2013

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: PLESSIS ROAD RECONSTRUCTION, UNDERPASS STRUCTURES, PUMPING STATION, LAND DRAINAGE SEWER AND MISCELLANEOUS UNDERGROUND AND LANDSCAPING WORKS

Pursuant to the request of and for the account of our customer,

_____ ,
(Name of Bidder)

_____
(Address of Bidder)

WE HEREBY ESTABLISH in your favour our irrevocable Standby Letter of Credit for a sum not exceeding in the aggregate

_____

_____ Canadian dollars.

This Standby Letter of Credit may be drawn on by you at any time and from time to time upon written demand for payment made upon us by you. It is understood that we are obligated under this Standby Letter of Credit for the payment of monies only and we hereby agree that we shall honour your demand for payment without inquiring whether you have a right as between yourself and our customer to make such demand and without recognizing any claim of our customer or objection by the customer to payment by us.

The amount of this Standby Letter of Credit may be reduced from time to time only by amounts drawn upon it by you or by formal notice in writing given to us by you if you desire such reduction or are willing that it be made.

Partial drawings are permitted.

We engage with you that all demands for payment made within the terms and currency of this Standby Letter of Credit will be duly honoured if presented to us at:

_____
(Address)

and we confirm and hereby undertake to ensure that all demands for payment will be duly honoured by us.

FORM G2: IRREVOCABLE STANDBY LETTER OF CREDIT AND UNDERTAKING (BID SECURITY) (Page 2 of 2)
(See B12)

All demands for payment shall specifically state that they are drawn under this Standby Letter of Credit.

This Standby Letter of Credit will expire on February 18, 2014.

if our customer's Bid is not accepted, and if accepted, when our customer has entered into a Contract with you and has furnished the required performance security for guaranteeing the faithful performance of the Contract.

This Standby Letter of Credit may not be revoked or amended without your prior written approval.

WE HEREBY UNDERTAKE and agree to provide in your favour an irrevocable Standby Letter of Credit in an amount equal to fifty percent (50%) of the Contract Price for the due and proper performance of the Work shown and described in the Bid Opportunity, if our customer's Bid is accepted by you. Such Standby Letter of Credit shall be maintained and continue in full force and effect until the expiration of the warranty period. The Standby Letter of Credit shall be in the form specified in the Bid Opportunity.

This credit is subject to the Uniform Customs and Practice for Documentary Credit (2007 Revision), International Chamber of Commerce Publication Number 600.

_____
(Name of bank or financial institution)

Per: _____
(Authorized Signing Officer)

Per: _____
(Authorized Signing Officer)