

FORM A: BID
(See B9)

1. Contract Title

**FERMOR AVENUE BRIDGE OVER SEINE RIVER –
BRIDGE REHABILITATION, PEDESTRIAN-CYCLIST
UNDERPASS STRUCTURE AND ROADWORKS FROM
ST. ANNE’S ROAD TO ARCHIBALD STREET**

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

(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 D3.

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:

(Choose one)

- 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 seventy-five (75) Calendar Days following the Submission Deadline.

12. Indigenous Self-Declaration The Bidder hereby declares the business is at least fifty-one percent (51%) owned by one or more Indigenous persons of Canada.

YES

13. 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: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A	<u>BRIDGE REHABILITATION</u>					
A.1	Mobilization and Demobilization	E6	L.S	1		
A.2	Structural Removals	E63				
	i) Full-depth Superstructure Isolation and Overhangs		L.S	1		
	ii) Hydrodemolition		L.S	1		
	iii) All Other Removals (Diaphragms, Abutments and Approach Slabs)		L.S	1		
A.3	Structural Excavation	E46	L.S	1		
A.4	Supplying and Placing Subsurface Drainage	E50	L.S	1		
A.5	Temporary Shoring	E48	L.S	1		
A.6	Structural Backfill	E47	L.S	1		
A.7	Temporary Superstructure Jacking and Support System	E64	L.S	1		
A.8	Supply and Place Structural Concrete	E55				
	i) Abutment Wingwall Repairs		L.S	1		
	ii) Diaphragms		L.S	1		
	iii) Hydrodemolition Blow-Through Repairs		m ²	150		
	iv) New Deck Concrete		L.S	1		
	v) Approach Slabs		L.S	1		
	vi) Traffic Barriers		L.S	1		
A.9	Self Consolidating Concrete Repairs	E69				
	i) Abutment Seat Refacing		m ²	10		
	ii) Pier Surface Repairs		m ²	10		
A.10	Supply and Install Distributed Galvanic Anode System	E67	L.S	1		
A.11	Supply and Install Moveable Hoarding	E55	L.S	1		

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
A.12	Supply of Reinforcing Steel	E57				
i)	ChromX 4100		kg	1250		
ii)	Stainless Steel Reinforcing		kg	79200		
A.13	Placing Reinforcing Steel	E57	kg	80450		
A.14	Hot-Poured Rubberized Asphalt Waterproofing with Protection Board	E59	L.S	1		
A.15	Asphalt Overlay on Bridge	E72	tonne	340		
A.16	Miscellaneous Metal	E58				
i)	Steel Girder Splice Plates		L.S	1		
ii)	Concrete Girder Flexural Strengthening Assembly		L.S	1		
iii)	Other Items - Dowels, Inserts, Threaded Rods & Bearing Plates		L.S	1		
A.17	Surface Preparation and Metallizing of Structural Steel	E73	L.S	1		
A.18	Environmental Containment, Collection and Disposal for Metallizing	E74	L.S	1		
A.19	Supply, Fabrication and Delivery of Steel Reinforced Elastomeric Expansion Bearings	E65	each	26		
A.20	Supply and Install Aluminum Pedestrian Handrail/Bicycle Rail	E70	m	69		
A.21	Supply and Install Bridge Aluminum Barrier Posts	E71	each	19		
A.22	Supply and Install Bridge Aluminum Barrier Rail	E71	m	69		
A.23	Concrete Girder Shear Strengthening with FRP	E75	L.S	1		
A.24	Supply and Install Silt Fence Barrier	E52	L.S	1		
A.25	Supply and Place Rip-rap	E61	L.S	1		
A.26	Temporary Protective Systems/Work Platform	E66	L.S	1		
A.27	Temporary Portable Precast Concrete Barriers	E54				
i)	Type 1 - Standard Barrier		each	10		
ii)	Type 2 - Anchorable Barrier		each	60		
A	<u>BRIDGE REHABILITATION</u>				Subtotal:	

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
B	<u>PEDESTRIAN-CYCLIST UNDERPASS</u>					
B.1	Structural Excavation	E46	L.S	1		
B.2	Structural Backfill	E47	L.S	1		
B.3	Temporary Shoring	E48	L.S	1		
B.4	Underpass Base	E76				
i)	Class 1 (Heavy Duty Woven Geotextile)		L.S	1		
ii)	350 mm Sub-base		L.S	1		
iii)	150 mm Base Course		L.S	1		
B.5	125 mm thick Board Insulation	E77	L.S	1		
B.6	Supply and Placing Subsurface Drainage	E50	L.S	1		
B.7	Supply and Place Structural Concrete	E55				
i)	Underpass Structure		L.S	1		
B.8	Supply of Reinforcing Steel	E57				
i)	ChromX 4100		kg	77000		
B.9	Placing Reinforcing Steel	E57	kg	77000		
B.10	Supply and Installation of Underpass Lighting	E78	L.S	1		
B.11	Waterproofing Membrane with Protection Board	E60	L.S	1		
B	<u>PEDESTRIAN-CYCLIST UNDERPASS</u>				Subtotal:	

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
C	<u>RETAINING WALL</u>					
C.1	Structural Excavation	E46	L.S	1		
C.2	Supplying and Placing Subsurface Drainage	E50	L.S	1		
C.3	Structural Backfill	E47	L.S	1		
C.4	Granular Rib Construction	E62	L.S	1		
C.5	Supply and Drive Steel Sheet Piles	E49	L.S	1		
C.6	Supply and Install Aluminum Pedestrian Handrail/Bicycle Rail	E70	m	125		
C.7	Supply and Place Structural Concrete	E55				
i)	Cladding		L.S	1		
ii)	Coping		L.S	1		
iii)	Traffic Barrier Footing		L.S	1		
iv)	Traffic Barrier		L.S	1		
C.8	Supply of Reinforcing Steel	E57				
i)	ChromX 4100		kg	80300		
C.9	Placing Reinforcing Steel	E57	kg	80300		
C.10	Miscellaneous Metal	E58	L.S	1		
C.11	Supply and Place Rip-rap	E60	L.S	1		
C.12	Supply and Install Erosion Control Blanket	E51	L.S	1		
C.13	Supply and Install Silt Fence Barrier	E52	L.S	1		
C.14	Temporary Portable Precast Concrete Barriers	E54				
i)	Type 1 - Standard Barrier		each	35		
C.15	Traffic Barrier Catch Basins and Catch Pits	E79				
i)	Type A - 1200 mm Catch Basin		each	5		
ii)	Type B - 1200 mm Catch Pit		each	5		
C	<u>RETAINING WALL</u>				Subtotal:	

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
D	<u>OVERHEAD SIGN STRUCTURES (OHSS)</u>					
D.1	Cast-in-Place Concrete Pile Foundations	E83				
i)	915 mm Diameter x 7 m		each	5		
ii)	610 mm Diameter x 5 m		each	1		
iii)	1219 mm Diameter x 11 m		each	1		
D.2	Supply and Installation of New Steel Overhead Sign Support Structures	E84				
i)	S787 - NB St. Anne's		L.S	1		
ii)	S788- SB St. Anne's		L.S	1		
iii)	S789 - WB Fermor		L.S	1		
iv)	S790 - EB Fermor		L.S	1		
D.3	Abandonment of Existing Piles	E83	L.S	1		
D.4	Salvage and Re-Installation of St. Vital Biz Pole	E82	L.S	1		
D	<u>OVERHEAD SIGN STRUCTURES (OHSS)</u>					

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION, AND DETOUR - SURFACE WORKS</u>					
	EARTH AND BASE WORKS					
E.1	Excavation	CW 3110-R19	m ³	25268		
E.2	Dike Excavation	E32	m ³	1600		
E.3	Sub-Grade Compaction	CW 3110-R19	m ²	34694		
E.4	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm - Limestone		tonne	15628		
ii)	150 mm - Limestone		tonne	50723		
E.5	Supplying and Placing Limestone Base Course Material	CW 3110-R19	m ³	2854		
E.6	Grading of Boulevards	CW 3110-R19	m ²	38756		
E.7	Ditch Grading	CW 3110-R19	m ²	1600		
E.8	Ditch Excavation	CW 3110-R19	m ³	1097		
E.9	Removal of Existing Concrete Bases	CW 3110-R19				
i)	600 mm Diameter or Less		each	12		
E.10	Imported Fill Material	CW 3110-R19	m ³	3000		
E.11	Separation Geotextile Fabric	CW 3130-R4	m ²	34694		
E.12	Supply and Install Geogrid	CW 3135-R1	m ²	3600		
E.13	Fill Material	CW 3170-R3				
i)	Placing Suitable Site Material		m ³	12290		
ii)	Highly Plastic Clay Fill	E32	m ³	2550		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
ROADWORKS - RENEWALS						
E.14	Pavement Removal	CW 3110-R19				
	i) Concrete Pavement		m ²	29927		
	ii) Asphalt Pavement		m ²	2002		
E.15	Slab Replacement	CW 3230-R8				
	i) 200 mm Concrete Pavement (Plain-Dowelled)		m ²	303		
E.16	Partial Slab Patches	CW 3230-R8				
	i) 200 mm Concrete Pavement (Type A)		m ²	8		
	ii) 200 mm Concrete Pavement (Type B)		m ²	538		
	iii) 200 mm Concrete Pavement (Type C)		m ²	140		
	iv) 200 mm Concrete Pavement (Type D)		m ²	35		
E.17	Partial Slab Patches - Early Opening (24 hour)	CW 3230-R8				
	i) 200 mm Concrete Pavement (Type B)		m ²	100		
E.18	Partial Depth Planing of Existing Joints	E19	m ²	100		
E.19	Asphalt Patching of Partial Depth Joints	E19	m ²	100		
E.20	Asphalt Patching of Miscellaneous Concrete	E20	m ²	731		
E.21	Drilled Dowels	CW 3230-R8				
	i) 19.1 mm Diameter		each	1116		
E.22	Drilled Tie Bars	CW 3230-R8				
	i) 20 M Deformed Tie Bar		each	2106		
	ii) 25 M Deformed Tie Bar		each	575		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.23	Miscellaneous Concrete Slab Removal	CW 3235-R9				
i)	Median Slab		m ²	499		
ii)	Monolithic Median Slab		m ²	591		
iii)	100 mm Sidewalk		m ²	1125		
iv)	Bullnose		m ²	17		
E.24	Removal and Disposal of Miscellaneous Concrete Unit Pavers	E24	m ²	2751		
E.25	Miscellaneous Concrete Slab Renewal	CW 3235-R9				
i)	Monolithic Median Slab	SD-226A	m ²	74		
ii)	Safety Median	SD-226B	m ²	39		
iii)	100 mm Sidewalk	SD-228A				
a)	Less than 5 sq.m.		m ²	3		
b)	5 sq.m. to 20 sq.m.		m ²	16		
c)	Greater than 20 sq.m.		m ²	290		
iv)	Bullnose	SD-227C	m ²	29		
E.26	Concrete Curb Removal	CW 3240-R10				
i)	Barrier Separate		m	433		
ii)	Curb Ramp		m	150		
iii)	Safety Curb		m	20		
iv)	Splash Strip Monolithic		m	389		
v)	Splash Strip Separate		m	217		
E.27	Concrete Curb Installation	CW 3240-R10				
i)	Barrier (180 mm reveal ht, Dowelled)	SD-205	m	21		
ii)	Safety Curb (330 mm reveal ht)	SD-206B	m	20		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.28	Concrete Curb Renewal	CW 3240-R10				
i)	Barrier (180 mm reveal ht, Dowelled)	SD-205, SD-206A				
a)	Less than 3 m		m	140		
b)	3 m to 30 m		m	200		
c)	Greater than 30 m		m	99		
E.29	Supply and Installation of Dowel Assemblies	CW 3310-R17	m	40		
E.30	Construction of Asphaltic Concrete Overlay	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	1955		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	116		
E.31	Planing of Pavement	CW 3450-R6				
i)	1 - 50 mm Depth (Asphalt)		m ²	1975		
ii)	50 - 100 mm Depth (Asphalt)		m ²	7901		
iii)	1 - 50 mm Depth (Concrete)		m ²	100		
E.32	Painted Pavement Markings	E26	m	24		
E.33	Bike Lane Surface Paint (Green)	E25	m ²	110		
E.34	Detectable Warning Surface Tiles	CW 3326-R3	each	30		
ROADWORKS - NEW CONSTRUCTION						
E.35	Concrete Pavements, Median Slabs, Bull-noses, and Safety Medians	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement (Plain-Dowelled)		m ²	8270		
ii)	Construction of 200 mm Concrete Pavement (Reinforced)		m ²	2228		
iii)	Construction of Concrete Median Slabs	SD-227A	m ²	205		

FORM B: PRICES
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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iv)	Construction of Monolithic Concrete Median Slabs	SD-226A	m ²	260		
v)	Construction of Monolithic Concrete Bull-noses	SD-227C	m ²	50		
E.36	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 230 mm Concrete Pavement for Early Opening 24 Hour (Plain-Dowelled)		m ²	168		
E.37	Concrete Curbs, Curb and Gutter, and Splash Strips	CW 3310-R17				
i)	Construction of Barrier (180 mm ht, Dowelled)	SD-205	m	124		
ii)	Construction of Barrier (180 mm ht, Integral)	SD-204	m	512		
iii)	Construction of Modified Barrier (180 mm ht, Integral)	SD-203B	m	171		
iv)	Construction of Lip Curb (75 mm ht, Integral)	SD-202A	m	102		
v)	Construction of Lip Curb (40 mm ht, Integral)	SD-202B	m	15		
vi)	Construction of Curb Ramp (8-12 mm ht, Integral)	SD-229C	m	219		
vii)	Construction of Safety Curb (330 mm ht)	SD-206B	m	23		
viii)	Construction of Splash Strip (180 mm ht, Monolithic Modified Barrier Curb, 750 mm width)	SD-223A	m	677		
ix)	Construction of Splash Strip, (Separate, 600 mm width)	SD-223B	m	2685		
E.38	Curb and Gutter - Various Formats	E23				
i)	Construction of Integral Modified Barrier Curb and Gutter (180 mm ht)		m	42		
ii)	Construction of Mountable Barrier Curb and Gutter (120 mm ht)		m	2053		
E.39	Supply and Installation of Dowel Assemblies	CW 3310-R17	m	1613		
E.40	100 mm Concrete Sidewalk	CW 3325-R5	m ²	1260		
E.41	100 mm Tinted Concrete Bike Path	E17	m ²	240		
E.42	Interlocking Paving Stones	E21				
i)	Clay Brick Paving - Manganese Ironspot 194 x 92 x 57mm		m ²	148		
ii)	Clay Brick Paving - Medium Ironspot 194 x 92 x 57mm		m ²	263		

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iii)	Transit Blue Holland Paver 200 x 60mm		m ²	4		
E.43	Lean Concrete Base	CW 3335-R1	m ²	246		
E.44	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	3030		
ii)	Tie-ins and Approaches					
a)	Type IA		tonne	132		
E.45	Construction of Asphaltic Concrete Base Course (Type III)	CW 3410-R12	tonne	7865		
JOINT AND CRACK SEALING						
E.46	Crack Sealing	CW 3250-R7 E22	m	2188		
E.47	Joint Sealing	CW 3250-R7	m	6600		
ACTIVE TRANSPORTATION PATHWAY						
E.48	Excavation	CW 3110-R19	m ³	2588		
E.49	Sub-Grade Compaction	CW 3110-R19	m ²	4378		
E.50	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm - Crushed Concrete		tonne	854		
E.51	Supply and Placing Crushed Concrete Base Course Materials	CW 3110-R19	m ³	362		
E.52	Grading of Boulevards	CW 3110-R19	m ²	1886		
E.53	Separation Geotextile Fabric	CW 3130-R4	m ²	4378		
E.54	Fill Material	CW 3170-R3				
i)	Placing Suitable Site Material		m ³	963		
E.55	Pavement Removal	CW 3110-R19				
i)	Asphalt Pavement		m ²	1564		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.56	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	827		
E.57	Reflective Crack Maintenance	CW 3250-R7	m	300		
TEMPORARY PAVEMENT						
E.58	Excavation	CW 3110-R19	m ³	2751		
E.59	Sub-Grade Compaction	CW 3110-R19	m ²	4754		
E.60	Crushed Sub-base Material	CW 3110-R19				
i)	50 mm		tonne	1847		
ii)	100 mm		tonne	2973		
E.61	Common Excavation- Unsuitable site material	CW 3170-R3	m ³	470		
E.62	Supplying and Placing Base Course Material	CW 3110-R19	m ³	405		
E.63	Separation Geotextile Fabric	CW 3130-R4	m ²	4754		
E.64	Concrete Pavements for Early Opening	CW 3310-R17				
i)	Construction of 200 mm Concrete Pavement for Early Opening 24 Hour (Plain-Dowelled)		m ²	844		
E.65	Construction of Asphaltic Concrete Pavements	CW 3410-R12				
i)	Main Line Paving					
a)	Type IA		tonne	756		
E.66	Construction of Asphaltic Concrete Base Course (Type III)	CW 3410-R12	tonne	756		
LANDSCAPING						
E.67	Clearing and Grubbing	CW 3010-R4 E15				
i)	Clearing and Grubbing		ha	0.080		
ii)	Tree Removal 20 cm dbh to 59 cm dbh		each	97		

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UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iii)	Tree Removal 60 cm dbh to 100 cm dbh		each	4		
E.68	Sodding	CW 3510-R9 E44				
i)	Sodding width greater than or equal to 600 mm		m ²	12760		
E.69	Seeding	CW 3520-R7 E45				
i)	Naturalized Area Seeding		m ²	23850		
ii)	Wet Blend Seeding		m ²	2620		
E.70	Trees, Shrubs and Groundcover Plantings	CW 3520-R7 E37				
i)	Trees					
a)	Manitoba Maple		each	6		
b)	Amur Maple		each	5		
c)	American Elm		each	13		
d)	Basswood		each	18		
e)	Cottonwood (male)		each	4		
f)	Peachleaf Willow		each	7		
g)	Burr Oak		each	11		
h)	Hackberry		each	3		
ii)	Shrubs					
a)	Pygmy Caragana		each	48		
b)	Meyer Lilac		each	47		
c)	Snowberry		each	175		
d)	Pavement Rose		each	27		
iii)	Vines					
a)	Englemann's Ivy		each	109		
E.71	Pruning of Existing Trees	E35	each	3		

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
E.72	Planting Medium and Finish Grading	E36				
i)	Supply and Place Planting Medium for Shrub Beds		m ²	192		
ii)	Supply and Place Wood Chip Mulch		m ²	192		
E.73	Landscaping Maintenance Year 1	E38	L.S	1		
E.74	Site Furnishing	E39				
i)	Supply and Install Benches		each	5		
ii)	Supply and Install Waste Receptacles		each	6		
E.75	Ornamental Barrier Fencing	E40	lin. m	219		
E.76	Relocation of Route Identifier Bollards	E42	each	2		
E.77	Salvaging Pebble Finish Planters	E43	each	27		
	MISCELLANEOUS					
E.78	Transit Shelter Foundations	E18	m ²	7		
E.79	Removal and Salvage Existing Aluminum Balance Guardrail System and Post	E31	lin. m	41		
E.80	Removal, Installation, Salvage and Reconstruction of Fencing	E41				
i)	Installation of Chain Link Fencing 1.22 m height - St. Elmo's Road		lin. m	23		
ii)	Chain Link Fence Removal - St. Andrew's Road		lin. m	20		
iii)	Reconstruction of Wood Fence		lin. m	76		
E.81	Supply and Installation of Crash Attenuation Barriers	E28				
i)	Quadguard II System with Concrete Backup - QG210024		each	2		
ii)	Quadguard II System with Tension Strut Backup - QG210036		each	2		
E.82	Supply and Installation of Crash Attenuation Barrels	E29	each	18		
E.83	Steel Beam Guardrail	E30	lin. m	43		
E.84	ET-31 Treatment	E30	each	3		
E	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION, AND DETOUR - SURFACE WORKS</u>				Subtotal:	

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION AND DETOUR - UNDERGROUND WORKS</u>					
	ASSOCIATED DRAINAGE AND UNDERGROUND WORKS					
F.1	Land Drainage Sewers	CW 2130				
i)	250mm					
a)	trenchless installation, Class B sand bedding, Class 3 backfill		m	170		
ii)	300mm					
a)	trenchless installation, Class B sand bedding, Class 3 backfill		m	662		
iii)	375mm					
a)	trenchless installation, Class B sand bedding, Class 3 backfill		m	219		
iv)	750mm					
a)	trenchless installation, Class B sand bedding, Class 3 backfill		m	82		
F.2	Manhole	CW 2130 E95				
i)	SD-010					
a)	1200mm diameter base		vert.m	25		
b)	1500mm diameter base		vert.m	5		
c)	1800mm diameter base		vert.m	3		
F.3	Catch Basin	CW 2130 E94				
i)	SD-024 (AP-011 - Barrier Curb and Gutter Frame)		each	11		
ii)	SD-024 (AP-015 - Mountable Curb and Gutter)		each	10		
iii)	SD-024 (AP-018 - Modified Barrier Curb and Gutter Frame)		each	3		
iv)	SD-025 (AP-009 - Beehive Grate)		each	6		

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
F.4	Catch Pit	CW 2130 E94				
i)	SD-023 (AP-011 - Barrier Curb and Gutter Frame)		each	5		
ii)	SD-023 (AP-015 - Mountable Curb and Gutter)		each	4		
iii)	SD-023 (AP-018 - Modified Barrier Curb and Gutter Frame)		each	9		
F.5	Connecting to Existing Sewer	CW 2130 E88				
i)	300mm (PVC) to 1050 (Concrete)		each	1		
ii)	375mm (PVC) to 375 (PVC)		each	1		
F.6	Abandoning Existing Sewers with Cement-Stabilized Flowable Fill	CW 2130	m ³	7		
F.7	Remove and Replace Existing Catch Basin	CW 2130				
i)	SD-024		each	6		
F.8	Remove and Replace Existing Catch Pit	CW 2130				
i)	SD-023		each	13		
F.9	Removal of Existing Catch Basins	CW 2130	each	6		
F.10	Removal of Existing Manholes	CW 2130	each	7		
F.11	Removal of Existing Culverts	CW 3610-R5	m	175		
F.12	Disposal of Existing Culverts	CW 3610-R5	m	175		
F.13	Installation of Subdrains	CW 3120-R4	m	435		
F.14	Installation of French Drains	E97	each	9		
F.15	Corrugated Steel Pipe Culvert - Supply	CW 3610-R5				
i)	450mm, 3.5mm gauge		m	65		
ii)	600mm, 3.5mm gauge		m	22		
iii)	750mm, 3.5mm gauge		m	100		
F.16	Corrugated Steel Pipe Culvert - Install	CW 3610-R5				
i)	450mm, 3.5mm gauge		m	65		
ii)	600mm, 3.5mm gauge		m	22		

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
iii)	750mm, 3.5mm gauge		m	100		
F.17	Concrete Collar Connection (750mm PVC and 750 mm CSP)	E90	L.S	1		
F.18	Random Stone Riprap	CW 3615-R4		68		
F.19	Grouted Stone Riprap	CW 3615-R4	m ³	97		
F.20	Sewer Inspection	CW 2145	m ³			
i)	250mm to 900mm		m	1133		
ADJUSTMENTS						
F.21	Adjustment of Manholes/Catch Basins Frames	CW 3210-R8	each	55		
F.22	Replacing Existing Risers	CW 2130-R12				
i)	Pre-cast Concrete Risers		vert. m	2.5		
ii)	Brick Risers		vert. m	3.5		
F.23	Lifter Rings (AP-010)	CW 3210-R8				
i)	38 mm		each	1		
ii)	51 mm		each	3		
iii)	64 mm		each	1		
iv)	76 mm		each	5		
F.24	Adjustment of Valve Boxes	CW 3210-R8	each	6		
F.25	Adjustment of Curb Stop Boxes	CW 3210-R8	each	3		
F.26	Adjustment of Curb and Gutter Frames	CW 3210-R8	each	10		
F.27	Relocating Existing Hydrant - Type A	CW 2110-R11 E91				
i)	Type A		each	1		
ii)	Type B		each	2		
F.28	Adjustment of Traffic Signal Service Box Frames	CW 3210-R8	each	6		
F	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION AND DETOUR - UNDERGROUND WORKS</u>				Subtotal:	

FORM B: PRICES
 (SEE B10)

UNIT PRICES

ITEM	DESCRIPTION	SPEC. REF.	UNIT	APPROX. QUANTITY	UNIT PRICE	AMOUNT
SUMMARY						
A	<u>BRIDGE REHABILITATION</u>				Subtotal:	
B	<u>PEDESTRIAN-CYCLIST UNDERPASS</u>				Subtotal:	
C	<u>RETAINING WALL</u>				Subtotal:	
D	<u>OVERHEAD SIGN STRUCTURES (OHSS)</u>				Subtotal:	
E	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION, AND DETOUR - SURFACE WORKS</u>				Subtotal:	
F	<u>FERMOR AVENUE RECONSTRUCTION/REHABILITATION AND DETOUR - UNDERGROUND WORKS</u>				Subtotal:	
TOTAL BID PRICE (GST extra) (in figures) _____						

FORM G1: BID BOND AND AGREEMENT TO BOND

(Page 1 of 2)
(See B13)

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. 772-2017

**FERMOR AVENUE BRIDGE OVER SEINE RIVER – BRIDGE REHABILITATION,
PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM
ST. ANNE'S ROAD TO ARCHIBALD STREET**

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 B13)

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. 772-2017

**FERMOR AVENUE BRIDGE OVER SEINE RIVER – BRIDGE REHABILITATION,
PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM
ST. ANNE’S ROAD TO ARCHIBALD STREET**

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 seventy-five (75in) 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 B13)**

(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. 772-2017

**FERMOR AVENUE BRIDGE OVER SEINE RIVER – BRIDGE REHABILITATION,
PEDESTRIAN-CYCLIST UNDERPASS STRUCTURE AND ROADWORKS FROM
ST. ANNE’S ROAD TO ARCHIBALD STREET**

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 B13)**

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 May 27, 2018

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)