

City of Ottawa
CP000400 STRUCTURE RENEWAL - BRIDGES SN873100 & SN897170 AND CULVERT SN898800
Form of Tender
Appendix FOT-F - Schedule of Items and Unit Prices
(all prices excluding H.S.T.)

Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
SECTION A						
GENERAL						
A-0001		Contract Initiation (should be no more than 2% of Total Tender Price) F-1006,	LS	1.00		
A-0002		Deductions for non-conformance related to QA/ QC submissions	LS	1.00	<u>1.00</u>	<u>1.00</u>
A-0003		ERS F-3130 Penalty F-3130	LS	1.00	<u>1.00</u>	<u>1.00</u>
A-0004		ERS F-3130 Bonus F-3130	LS	1.00	<u>1.00</u>	<u>1.00</u>
A-0005		F-3130 Bid AC F-3130	LS	1.00	<u>1.00</u>	<u>1.00</u>
A-0006		AC Price Index F-3101 F-3101	LS	1.00	<u>1.00</u>	<u>1.00</u>
A-0007		Cost of Referee Testing F-3130 F-3130	LS	1.00	<u>1.00</u>	<u>1.00</u>
SECTION A Total						

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
SECTION B						
CHURCH STREET BRIDGE OVER STEVENS CREEK (SN873100)						
B-0001		Field office for Contract Administrator 20-34 m2 F-1001	wk	18.00		
B-0002		Traffic Control Plan F-1010, F-0400-01	LS	1.00		
B-0003		Supply, Maintain, and Remove Portable Variable Message Sign (PVMS) F-1019	wk	1.00	800.00	800.00
B-0004		Construction Site Pedestrian Control Plan F-1013, F-0400-01	LS	1.00		
B-0005		Steel Interlocking Pedestrian Barriers F-1014,	m	80.00		
B-0006		Erosion and sediment control plan and monitoring 805, F-1004	LS	1.00		
B-0007		Erosion and sediment control measures 805, F-1004	LS	1.00		
B-0008		Utility Protection and Temporary Support F-0400-02	LS	1.00		
B-0009		Removal of asphalt pavement from concrete surfaces on structures 510,	m2 (P)	147.00		
B-0010		Earth excavation for structure 902,	m3 (P)	80.00		
B-0011		Granular 'A' bedding 902,	t	40.00		
B-0012		Granular 'B' Type II backfill to structure 902,	t	102.00		
B-0013		Concrete in barrier walls 904, F-9040, F-9043, F-9045,	m3 (P)	2.00		
B-0014		Concrete in sidewalks 904, F-9040, F-9045,	m3 (P)	28.00		
B-0015		Concrete in approach slabs 904, F-9040, F-9043, F-9045,	m3	31.00		
B-0016		Dowels into concrete - 15M 904, F-9040, F-9045,	ea (P)	355.00		
B-0017		Dowels into concrete - 20M 904, F-9040, F-9045,	ea (P)	405.00		
B-0018		Reinforcing steel 905,	t (P)	7.50		
B-0019		Mechanical connectors 905,	ea (P)	60.00		
B-0020		Welded wire fabric 905,	m2	15.00		
B-0021		Metal traffic barrier 908, F-0400-07	m (P)	42.00		
B-0022		Coating steel railing system 911, F-0400-08	LS	1.00		
B-0023		Bridge deck waterproofing 914,	m2 (P)	82.00		
B-0024		Membrane reinforcement 914, F-9141,	m (P)	20.00		

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
B-0025		Form and fill grooves 914,	m (P)	29.00		
B-0026		Deck surface preparation 914, F-9141,	m2 (P)	164.00		
B-0027		Access to work area, work platform and scaffolding 928, F-0400-09	LS	1.00		
B-0028		Concrete removal - partial depth - Type A 928,	m3	14.20		
B-0029		Concrete removal - partial depth - Type B 928,	m3	2.00		
B-0030		Concrete removal - partial depth - Type C 928,	m3	0.80		
B-0031		Concrete removal - full depth 928,	m3	20.00		
B-0032		Abrasive blast cleaning of concrete surface for overlay 929,	LS	1.00		
B-0033		Abrasive blast cleaning of reinforcing steel 929,	m2	15.00		
B-0034		Modification of deck drains 930, F-0400-11	ea	4.00		
B-0035		Place concrete overlay 930,	m3 (P)	18.10		
B-0036		Finish and cure concrete overlay 930,	m2 (P)	164.00		
B-0037		Concrete patches, formed surface 930, F-0400-10	m3	2.80		
B-0038		Crack injection 932, F-0400-12	m	70.00		
B-0039		Hazard sign 732	ea	4.00		
B-0040		Corrosion inhibitor system F-0400-13	LS	1.00		
B-0041		Corrosion monitoring system F-0400-14	LS	1.00		
B-0042		Supply Corrosion Monitoring Equipment F-0400-17	LS	1.00		
B-0043		Removal, protection and reinstatement of metal plaque F-0400-15	ea	1.00		
B-0044		Removal of barrier railing system 510	LS	1.00		
B-0045		Removal of concrete curb and gutter 510,	m (P)	37.00		
B-0046		Removal of concrete sidewalk 510,	m2 (P)	46.00		
B-0047		Removal of steel beam guiderail 510,	m (P)	65.00		
B-0048		Saw-cutting of asphalt 510,	m	72.00		
B-0049		Removal of asphalt pavement by dry grinding 510, F-5103	m2	119.00		
B-0050		Remove Asphalt Pavement - Full Depth (Stripping) 510,	m2	161.00		

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
B-0051		Earth excavation - grading 206, 510,	m3 (P)	35.00	_____	_____
B-0052		Granular 'A' 314, 501, F-3147,	t	39.00	_____	_____
B-0053		Granular 'B' Type II 314, 501, F-3147	t	19.00	_____	_____
B-0054		Concrete sidewalks, boulevards and islands 351, 904, F-3510, F-9040, F-9045,	m2 (P)	5.00	_____	_____
B-0055		Monolithic concrete sidewalks, boulevards and islands 351, 904, F-3510, F-9040, F-9045,	m2 (P)	105.00	_____	_____
B-0056		TWSI 351, F-3512	m2	6.00	_____	_____
B-0057		Concrete barrier curb with gutter as per SC1.2 353, 904, F-3531, F-9040, F-9045,	m (P)	29.00	_____	_____
B-0058		Performance Graded Superpave 12.5mm Level D (PG 64-34) F-3101, F-3106, F-3130	t	66.00	_____	_____
B-0059		Performance Graded Superpave 19mm Level D (PG 64-34) F-3101, F-3106, F-3130	t	5.00	_____	_____
B-0060		SBEAT 732, F-7217	ea (P)	3.00	_____	_____
B-0061		Concrete barrier curb with wide gutter as per OPSD600.010 353, 904, F-3531, F-9040, F-9045	m (P)	4.00	_____	_____
B-0062		Pavement Markings F-0400-03	LS	1.00	_____	_____
B-0063		Single rail steel beam guide rail with channel per OPSD-912.130 510, 721, F-7211	m (P)	15.00	_____	_____
B-0064		Steel beam guide rail embedded connection for new structures per OPSD 912.430 510, 721, F-7211	ea	4.00	_____	_____
B-0065		Adjust steel beam guide rail 510, 721, F-7214	m	11.00	_____	_____
B-0066		Temporary concrete barrier I - Lock Type 740, F-7401	m	40.00	_____	_____
B-0067		Temporary concrete barrier - Relocation 740, F-7401	m	40.00	_____	_____
B-0068		Topsoil, imported (100 mm thick) 802, F-8021,	m3	5.00	_____	_____
B-0069		Manual Seeding & mulching 804, F-8041,	m2	45.00	_____	_____
SECTION B Total						_____

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
SECTION C						
ETIENNE ROAD BRIDGE OVER BECQUITH CREEK (SN897170)						
C-0001		Traffic Control Plan F-1010, F-0400-01	LS	1.00	_____	_____
C-0002		Construction Site Pedestrian Control Plan F-1013, F-0400-01	LS	1.00	_____	_____
C-0003		Erosion and sediment control plan and monitoring 805, F-1004	LS	1.00	_____	_____
C-0004		Erosion and sediment control measures 805, F-1004	LS	1.00	_____	_____
C-0005		Utility Protection and Temporary Support F-0400-02	LS	1.00	_____	_____
C-0006		Turtle Fencing and Monitoring F-0400-16	LS	1.00	_____	_____
C-0007		Concrete in culverts 904, F-9040, F-9043, F-9045,	m3 (P)	1.50	_____	_____
C-0008		Dowels into concrete - 15M 904, F-9040, F-9045,	ea (P)	60.00	_____	_____
C-0009		Reinforcing steel 905,	t (P)	0.50	_____	_____
C-0010		Access to work area, work platform and scaffolding 928, F-0400-09	LS	1.00	_____	_____
C-0011		Concrete removal - partial depth - Type B 928,	m3	0.50	_____	_____
C-0012		Concrete removal - partial depth - Type C 928,	m3	1.70	_____	_____
C-0013		Concrete removal - full depth 928,	m3	1.50	_____	_____
C-0014		Abrasive blast cleaning of reinforcing steel 929,	m2	20.00	_____	_____
C-0015		Concrete patches, formed surface 930, F-0400-10	m3	2.20	_____	_____
C-0016		Crack injection 932,	m	5.00	_____	_____
C-0017		Dewatering 517,	LS	1.00	_____	_____
SECTION C Total						_____

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
SECTION D						
ETIENNE ROAD CULVERT (SN898800)						
D-0001		Traffic Control Plan F-1010, F-0400-01	LS	1.00		
D-0002		Supply, Maintain, and Remove Portable Variable Message Sign (PVMS) F-1019	wk	1.00	800.00	800.00
D-0003		Construction Site Pedestrian Control Plan F-1013, F-0400-01	LS	1.00		
D-0004		Erosion and sediment control 805, F-1005	LS	1.00		
D-0005		Utility Protection and Temporary Support F-0400-02	LS	1.00		
D-0006		Culvert Deck Waterproofing 914, F-9141,	m2 (P)	52.00		
D-0007		1800mm x 900mm Precast Box Culvert 422, F-4221, F-0400-04	m	20.00		
D-0008		Clay Seal for Box Culvert 422	LS	1.00		
D-0009		Remove, Salvage, and Re-install Culvert Identification Number Signs on New Posts F-0400-05	ea	2.00		
D-0010		Removal of CSP culverts (all sizes) 510,	m (P)	15.30		
D-0011		Saw-cutting of asphalt 510,	m	15.00		
D-0012		Remove Asphalt Pavement - Full Depth (Stripping) 510,	m2	100.00		
D-0013		Earth excavation - grading 206, 510,	m3 (P)	325.00		
D-0014		Dewatering 517,	LS	1.00		
D-0015		Rip-rap for sewer or culvert outlet per OPSD 810.010 'B' 511,	m2 (P)	33.00		
D-0016		Granular 'A' 314, 501, F-3147,	t	55.00		
D-0017		Granular 'B' Type II 314, 501, F-3147	t	535.00		
D-0018		Performance Graded Superpave 12.5mm Level B (PG 58-34) F-3101, F-3106, F-3130	t	14.00		
D-0019		Work Zone Restoration F-0400-06	LS	1.00		
D-0020		Remove and Dispose of Existing Sign and Post 510	ea	4.00		
SECTION D Total						

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
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SECTION E**LABOUR AND EQUIPMENT (BRIDGES)**

E-0001		Unskilled labour (including supervision where not otherwise provided) 127, F-8025	hr	40.00	<u>61.30</u>	<u>2,452.00</u>
E-0002		Skilled labour (including supervision where not otherwise provided) 127, F-8025	hr	40.00	<u>62.00</u>	<u>2,480.00</u>
E-0003		Crawler mounted hydraulic backhoe, 24,500 kg minimum operating weight (Operated) F-8026	hr	4.00	<u>165.00</u>	<u>660.00</u>
E-0004		Dump truck - tri axle, 32,000kg GVW min (operated) 127, F-8026	hr	4.00	<u>110.40</u>	<u>441.60</u>
E-0005		Front end loader backhoe, rubber tired 45 kW min (operated) 127, F-8026	hr	4.00	<u>106.00</u>	<u>424.00</u>
E-0006		Gradall - 18,000kg minimum operating weight (operated) 127, F-8026	hr	4.00	<u>168.00</u>	<u>672.00</u>
E-0007		Hydraulic rock breaker, boom mounted - 1400 Joules (operated) 127, F-8026	hr	4.00	<u>468.00</u>	<u>1,872.00</u>
E-0008		Portable air compressor 9m3/min including air hammer and all attachments (operated) 127, F-8026	hr	4.00	<u>91.00</u>	<u>364.00</u>
E-0009		Sweeper (Operated) 127, F-8028	hr	4.00	<u>140.00</u>	<u>560.00</u>
E-0010		Flusher (Operated) 127, F-8028	hr	4.00	<u>141.00</u>	<u>564.00</u>
E-0011		Hydro Excavating/Vacuum Truck (Operated) 127, F-8026	hr	4.00	<u>315.00</u>	<u>1,260.00</u>

SECTION E Total

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Add No.	Item	Description	Unit	Quantity	Unit Bid Price	Total Bid Price
SECTION F						
LABOUR & EQUIPMENT (CULVERT)						
F-0001		Unskilled labour (including supervision where not otherwise provided) 127, F-8025	hr	4.00	<u>61.30</u>	<u>245.20</u>
F-0002		Skilled labour (including supervision where not otherwise provided) 127, F-8025	hr	4.00	<u>62.00</u>	<u>248.00</u>
F-0003		Crawler mounted hydraulic backhoe, 24,500 kg minimum operating weight (Operated) F-8026	hr	4.00	<u>165.00</u>	<u>660.00</u>
F-0004		Dump truck - tri axle, 32,000kg GVW min (operated) 127, F-8026	hr	4.00	<u>110.40</u>	<u>441.60</u>
F-0005		Front end loader backhoe, rubber tired 45 kW min (operated) 127, F-8026	hr	4.00	<u>106.00</u>	<u>424.00</u>
F-0006		Gradall - 18,000kg minimum operating weight (operated) 127, F-8026	hr	4.00	<u>168.00</u>	<u>672.00</u>
F-0007		Hydraulic rock breaker, boom mounted - 1400 Joules (operated) 127, F-8026	hr	4.00	<u>468.00</u>	<u>1,872.00</u>
F-0008		Portable air compressor 9m3/min including air hammer and all attachments (operated) 127, F-8026	hr	4.00	<u>91.00</u>	<u>364.00</u>
F-0009		Sweeper (Operated) 127, F-8028	hr	4.00	<u>140.00</u>	<u>560.00</u>
F-0010		Flusher (Operated) 127, F-8028	hr	4.00	<u>141.00</u>	<u>564.00</u>
F-0011		Hydro Excavating/Vacuum Truck (Operated) 127, F-8026	hr	4.00	<u>315.00</u>	<u>1,260.00</u>
SECTION F Total						<u> </u>
Grand Total						<u> </u>

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Summary of Tender(Excluding HST)	Total
SECTION A	
GENERAL Total	
SECTION A Total	
SECTION B	
CHURCH STREET BRIDGE OVER STEVENS CREEK (SN873100) Total	
SECTION B Total	
SECTION C	
ETIENNE ROAD BRIDGE OVER BECQUITH CREEK (SN897170) Total	
SECTION C Total	
SECTION D	
ETIENNE ROAD CULVERT (SN898800) Total	
SECTION D Total	
SECTION E	
LABOUR AND EQUIPMENT (BRIDGES) Total	
SECTION E Total	
SECTION F	
LABOUR & EQUIPMENT (CULVERT) Total	
SECTION F Total	
Grand Total	