

All Bidders are to note that the Special Provisions - Contract Items Supplementary are regularly revised and in some cases modified to a specific project. The City will not be responsible for any Bidder not being aware of the changes from previous tender documents.

SCHEDULE OF QUANTITIES AND UNIT PRICES

CONTRACT NO. 2019-188-07
NIAGARA FALLS INDUSTRIAL PARK PHASE 1 & 2

ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'A' - GENERAL						
A1	A1	Bonding	1	L.S.	\$ _____	\$ _____
A2	SPCS	Preconstruction Survey	1	L.S.	\$ _____	\$ _____
A4	SPCS	Construction Layout				
		a) Survey Layout	1	L.S.	\$ _____	\$ _____
		b) Progress and Final Record Photography	1	L.S.	\$ _____	\$ _____
		c) Record Survey and Drawings	1	L.S.	\$ _____	\$ _____
A5	SPCS	Clearing and Grubbing				
		a) Remove Existing Trees $\geq 100\text{mm dia.}$	3	each	\$ _____	\$ _____
		b) Remove Existing Stumps	3	each	\$ _____	\$ _____
		c) Remove Existing Brush, Shrubs & Vegetation	300	m ²	\$ _____	\$ _____
A7	SPCS	Install, Maintain and Remove Silt Control Devices				
		a) Catchbasin Silt Bags	10	each	\$ _____	\$ _____
		b) Light Duty Silt Fence Barrier, OPSD 219.110	450	m	\$ _____	\$ _____
		c) Straw Bale Check Dam	10	each	\$ _____	\$ _____
A8	SPCS	Construction Signs, Traffic Control and Traffic Management Plan	1	L.S.	\$ _____	\$ _____
A9	SPCS	Contingency Allowance	1	L.S.	\$ 100,000.00	\$ 100,000.00

TOTAL PHASE 2 SECTION 'A' - GENERAL \$

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PHASE 2 SECTION 'B' - ROADS						
B2	SPCS	Earth Excavation <i>Includes sawcutting and disposal of surplus or unsuitable excavated materials</i>				
		a) Roadway STA.0+490 to 0+750	650	m ³	\$ _____	\$ _____
		i. Sidewalk Excavation >75mm	10	m ³	\$ _____	\$ _____
		b) Asphalt Material (any thickness) - to include removal of Blackburn Parkway roadway	2080	m ²	\$ _____	\$ _____
		d) Curb and/or Curb & Gutter (any type)	30	m	\$ _____	\$ _____
		f) Strip topsoil in existing boulevards and proposed sidewalk area, including disposal off-site	100	m ³	\$ _____	\$ _____
		g) Import suitable material from Phase 1 separated Stockpile #1	2500	m ³	\$ _____	\$ _____
B3	SPCS	Granular Material				
		a) Granular 'A'				
		i. Roads, Medians	3,800	t	\$ _____	\$ _____
		ii. Sidewalks (125mm depth)	150	t	\$ _____	\$ _____
		iii. Driveway Base (375mm depth for Industrial)	400	t	\$ _____	\$ _____
iv. Driveway Culverts	10	t	\$ _____	\$ _____		
c) Granular 'M'						
i. Shoulder Restoration	10	t	\$ _____	\$ _____		
B6	SPCS	Subdrain Perforated HDPE Pipe c/w Filter Cloth <i>(Includes 'Coring of' and 'Connection to' existing structures, where required)</i>				
		a) 100mm Dia.	520	m	\$ _____	\$ _____
B7	B7	Installation of New Culvert				
		a) Corrugated Steel Pipe (CSP) (68mm x 13mm Corrugation & 1.6mm Thickness)				
		iii. 600mm Dia.	3	m	\$ _____	\$ _____
B8	SPCS	Concrete Curb and Gutter				
		a) Barrier Curb w/ Standard Gutter - Tangent (OPSD 600.040)	520	m	\$ _____	\$ _____
		f) 45° Concrete Outlet (Curb & Gutter at End of Run - OPSD 605.030)	2	each	\$ _____	\$ _____
		g) Private Curb - Any Type (to match existing)	120	m	\$ _____	\$ _____
B9	SPCS	Concrete Sidewalks <i>32MPa Concrete</i>				
		a) Standard - 125mm Thickness (OPSD 310.010)	366	m ²	\$ _____	\$ _____
		b) Industrial (through driveways only) - 200mm Thickness (OPSD 310.010)	24	m ²	\$ _____	\$ _____
B11	SPCS	Asphalt Milling <i>Includes delivery of millings to City's Service Centre</i>				
		a) < 75mm Depth (incl. tapers at limits and butt joints)	50	m ²	\$ _____	\$ _____
B13	SPCS	Adjustment of Appurtenances				
		a) Existing Catchbasin/Ditch Inlet Frame & Grate				
		i. < 300mm	1	each	\$ _____	\$ _____
		ii. 300mm - 450mm	1	each	\$ _____	\$ _____
		b) Replace Existing Catchbasin/Ditch Inlet Frame & Grate				
		i. Cast Iron Square Frame w/Dished Herring Bone Openings (OPSD 400.01)	1	each	\$ _____	\$ _____
		c) Existing Maintenance Hole/Valve Chamber Frame & Cover				
		i. < 300mm	1	each	\$ _____	\$ _____
ii. 300mm - 450mm	3	each	\$ _____	\$ _____		
d) Replace Existing Maintenance Hole/Valve Chamber Frame & Cover						
i. Cast Iron Square Frame w/ Circular Cover (OPSD 401.01)	1	each	\$ _____	\$ _____		

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		e) Existing Valve/Curb Boxes	4	each	\$ _____	\$ _____
		g) Rebuild Manhole	1	each	\$ _____	\$ _____
	D3	i) Fire Hydrants - Adjust to Finished Grade	2	each	\$ _____	\$ _____
B14	SPCS	Supply & Place Hot Mix Asphalt				
		a) Roadways				
		ii. HL8 HS Base Course - 80mm Thickness	510	t	\$ _____	\$ _____
		c) Commercial/Industrial Driveways				
		i. HL3F Surface Course - 40mm Thickness	40	t	\$ _____	\$ _____
		ii. HL8 MDBC Base Course - 50mm Thickness	50	t	\$ _____	\$ _____
B15	SPCS	Asphalt Walkways and Driveways				
		<i>For Preparation & Handwork</i>				
		b) Commercial/Industrial Driveway	350	m ²	\$ _____	\$ _____
B18	SPCS	Granular Driveways				
		<i>For Preparation & Handwork</i>				
		a) Granular 'A'				
		iii. Industrial Driveway - 375mm Depth	100	m ²	\$ _____	\$ _____
B19	SPCS	Regrading of Ditches and Swales				
		<i>Includes removal and disposal of excess/unsuitable excavated materials</i>				
		a) Existing	10	m	\$ _____	\$ _____
		b) New	450	m	\$ _____	\$ _____
B20	B20	Hand Laid Riprap with Filter Cloth	10	m ²	\$ _____	\$ _____
B21	SPCS	Topsoil and Sod				
		<i>Includes any grading necessary to provide positive drainage</i>				
		a) 100mm Topsoil & Sod	2600	m ²	\$ _____	\$ _____
B22	SPCS	Topsoil, Seed and Mulch				
		<i>Includes any grading necessary to provide positive drainage</i>				
		a) 100mm Topsoil w/ Seed & Mulch	5500	m ²	\$ _____	\$ _____
B29	B29	Wire Mesh				
		b) Concrete Sidewalk	24	m ²	\$ _____	\$ _____
B34	B34	Tactile Warning Surfaces				
		a) Straight Plates (610mm x 610mm)	2	each	\$ _____	\$ _____

TOTAL PHASE 2 SECTION 'B' - ROADS \$

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'C' - SEWERS						
PHASE 2 CX.2 - STORM						
C1.2	SPCS	Storm Sewers <i>Includes Removal & Disposal of Existing Sewer - Any Type/Depth/Dia. (unless otherwise noted)</i> a) 375mm Dia. - PVC DR35 i. CB3 to MHD10; approx. 1.8m deep (8485 Blackburn Pkwy) b) 450mm Dia. - PVC DR35 i. EX Sewer to MHD8; approx. 1.8m deep (7790 Blackburn Parkway) b) 525mm Dia. - Conc. CL 65D i. DI3 to MHD9; approx. 1.8m deep (8485 Blackburn Pkwy) c) 675mm Dia. - Conc. CL 65D i. MH D10 to DMH_D9; approx. 1.8m deep d) 825mm Dia. - Conc. CL 65D i. MH D9 to D8 approx. 1.8m deep e) 900mm Dia. - Conc. CL 65D ii. MH D8 to STUB approx. 1.8m deep				
			34.8	m	\$ _____	\$ _____
			8.5	m	\$ _____	\$ _____
			11.5	m	\$ _____	\$ _____
			67.3	m	\$ _____	\$ _____
			72.7	m	\$ _____	\$ _____
			10.9	m	\$ _____	\$ _____
C2.2	SPCS	Sewer Laterals/Leads b) Leads - PVC DR35 ii. 250mm Dia. iii. 300mm Dia. iv. 375mm Dia.				
			15.5	m	\$ _____	\$ _____
			40	m	\$ _____	\$ _____
			60	m	\$ _____	\$ _____
C3.2	B3 - SPCS	Sewer Bedding, Cover and Backfill - Storm a) Sewer Bedding & Cover i. Granular 'A' b) Sewer Trench Backfill i. Granular 'A' e) Leads Bedding, Cover and Backfill i. Granular 'A' f) Precast Maintenance Hole Bedding & Backfill i. Granular 'A' g) Precast Catchbasins Bedding & Backfill i. Granular 'A' h) Precast Catchbasin/Ditch Inlet Bedding & Backfill i. Granular 'A'				
			507	t	\$ _____	\$ _____
			1521	t	\$ _____	\$ _____
			90	t	\$ _____	\$ _____
			390	t	\$ _____	\$ _____
			96	t	\$ _____	\$ _____
			20	t	\$ _____	\$ _____
C5.2	SPCS	Flush and TV Inspect (& Test) a) Sewers i. New Sewers b) Leads ii. Ex. Sewer Leads <i>(to verify live connections as needed)</i>				
			208	m	\$ _____	\$ _____
			10	m	\$ _____	\$ _____
C6.2	SPCS	Precast Concrete Maintenance Holes, Catchbasins and Ditch Inlets A. Precast Concrete Maintenance Holes <i>Includes Self-Leveling Frames & Covers (within roadway)</i> b) 1500mm Dia. - OPSD 701.011 i. DMH_D10; approx. 1.95m deep ii. DMH_D9; approx. 2.05m deep c) 1800mm Dia. - OPSD 701.012 i. DMH_D8; approx. 2.25m deep				
			1	each	\$ _____	\$ _____
			1	each	\$ _____	\$ _____
			1	each	\$ _____	\$ _____

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		B. Precast Concrete Catchbasins <i>Includes Frame & Grates (OPSD 400.020)</i> <i>Rim Elevations as Noted on Contract Drawings</i>				
		a) 600x600mm Single - OPSD 705.010	5	each	\$ _____	\$ _____
		b) 600x1450mm Double - OPSD 705.020	2	each	\$ _____	\$ _____
		C. Precast Concrete Ditch Inlets <i>Includes Frame & Honeycomb Grates (OPSD 403.010)</i>				
		a) 600x1200mm (Type A, 3:1 Slope) - OPSD 705.040	1	each	\$ _____	\$ _____
		b) 600x600mm - OPSD 705.030	2	each	\$ _____	\$ _____
C8.2	SPCS	Remove & Dispose of Ex. Sewers, Laterals/Leads and/or Structures <i>Includes Any Material Type (excl. A.C. Pipe) /Size/Depth/Dia. and Salvage/Delivery of Existing Frames & Covers/Grates to City's Service Centre</i>				
		a) Sewer (200mm dia PVC Ribbed 7695 Blackburn Parkway)	20	m	\$ _____	\$ _____
		d) Catchbasins	1	each	\$ _____	\$ _____
		f) Culverts (all sizes and material type)	150	m	\$ _____	\$ _____
C10.2		Sewer and/or Structure Connections <i>Any Material Type/Depth/Diameter/Wall Thickness</i>				
		a) New Sewer to Existing Structure (Incl. MH Coring & Kor'n Seal Adaptor to Accommodate New Pipe)	1	each	\$ _____	\$ _____
		b) Existing Sewer to New Structure	2	each	\$ _____	\$ _____
		c) New Sewer to Existing Sewer	1	each	\$ _____	\$ _____

TOTAL PHASE 2 CX.2 - STORM \$ _____

TOTAL PHASE 2 SECTION 'C' - SEWERS \$ _____

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ITEM NO.	SPEC NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
PHASE 2 SECTION 'P' - PROVISIONAL ITEMS						
B1	SPCS	Test Pits				
		a) Depth up to 0.5m	1	each	\$ _____	\$ _____
		b) Depth up to 1.0m	1	each	\$ _____	\$ _____
		c) Depth up to 2.0m	1	each	\$ _____	\$ _____
		e) Via Hydro Vac. (<i>Any Depth</i>)	4	Hour	\$ _____	\$ _____
B10	SPCS	Sawcutting Pavement				
		<i>As required but not otherwise noted</i>				
		b) Asphalt	10	m	\$ _____	\$ _____
B23	B23	Supply and Apply Calcium Chloride	5	t	\$ _____	\$ _____
B24	SPCS	Application of Water for Dust Control	100	m ³	\$ _____	\$ _____
B30	B30	Base Repairs - General	10	m ²	\$ _____	\$ _____
B36	SPCS	Remove, Store and Reinstall				
		a) Signs (other than traffic/regulatory signs)	1	each	\$ _____	\$ _____
D1	SPCS	Watermain				
		<i>PVC - Class 150 DR18 (by Open Trench)</i>				
		b) 150mm Dia. (lowering w/m service to 7695 Blackburn Parkway that is in conflict with proposed storm sewer, including all Granular A bedding, cover and backfill)	10	m	\$ _____	\$ _____
D9	D9	Insulation of Services/Watermain				
		a) 65mm Thickness	1	m ²	\$ _____	\$ _____
D10	D10	Cathodic Protection of Watermains and Appurtenances				
		a) Type DZP 550-12 (all services, fittings, valves & plugs)	1	each	\$ _____	\$ _____
		b) Type DZP 1110-24 (each hydrant assembly, multiple fittings (up to 3))	1	each	\$ _____	\$ _____
D21	SPCS	Water Valve Cleaning and Exercise	1	each	\$ _____	\$ _____
P1	SPCS	32 MPa Concrete	1	m ³	\$ _____	\$ _____
P5	SPCS	19 mm Clear Stone	1	t	\$ _____	\$ _____
P7	SPCS	Trench or Road Sub-Excavation	1	m ³	\$ _____	\$ _____
P8	SPCS	Utility Pole Support During Excavation	1	each	\$ _____	\$ _____

TOTAL PHASE 2 SECTION 'P' - PROVISIONAL \$ _____