

BRUCE COUNTY (CHESLEY), 1ST AVENUE NORTH RECONSTRUCTION (30D)
CONTRACT NO. RFT-BC-TES-20-43
TENDER RESULTS REVIEW & COST SHARING ESTIMATE

Item	Description	Qty./Unit	Price	#1 - Moorefield	County	AE
<u>ROADWORK</u>						
1	Clearing					
a)	Trees (all sizes)	1 Ea.	\$ 585.00	\$ 585.00	\$ 585.00	
b)	Shrub (at #50 1st Avenue North)	1 Ea.	\$ 115.00	\$ 115.00	\$ 115.00	
2	Grubbing					
a)	up to 600 mm dia. in size	2 Ea.	\$ 300.00	\$ 600.00	\$ 600.00	
b)	over 600 mm dia. in size	1 Ea.	\$ 600.00	\$ 600.00	\$ 600.00	
3	Earth excavation	1800 m ³	\$ 32.75	\$ 58,950.00	\$ 58,950.00	
4	Dust suppressants and compaction					
a)	Water	180 m ³	\$ 14.00	\$ 2,520.00		\$ 2,520.00
b)	Calcium chloride solid	1.8 t	\$ 1,400.00	\$ 2,520.00	\$ 2,520.00	
5	Site preparation for new lawn area	1 L.S.		\$ 4,100.00	\$ 4,100.00	
6	Granular A	1400 t	\$ 15.25	\$ 21,350.00	\$ 21,350.00	
7	Granular B Type I	2600 t	\$ 12.50	\$ 32,500.00	\$ 32,500.00	
8	Hot Mix Asphalt					
a)	Hot Mix HL-3	230 t	\$ 155.00	\$ 35,650.00	\$ 35,650.00	
b)	Hot Mix HL-8	275 t	\$ 150.00	\$ 41,250.00	\$ 41,250.00	
c)	Hot Mix Miscellaneous (HL-3)	630 m ²	\$ 35.00	\$ 22,050.00	\$ 20,369.79	\$ 1,680.21
9	Removal of bituminous pavement	43 m ²	\$ 5.25	\$ 225.75	\$ 225.75	
10	Adjust existing maintenance holes and catch basins	5 Ea.	\$ 695.00	\$ 3,475.00	\$ 3,475.00	
11	Supply maintenance hole covers and/or catchbasin	1 Ea.	\$ 325.00	\$ 325.00	\$ 325.00	
12	Removal of existing maintenance holes & catch basins					
a)	Maintenance holes	2 Ea.	\$ 190.00	\$ 380.00	\$ 380.00	
b)	Catch basins	4 Ea.	\$ 190.00	\$ 760.00	\$ 760.00	
13	Removal of concrete curb and gutter	50.3 m	\$ 9.75	\$ 490.43	\$ 490.43	
14	Concrete curb and gutter systems					
a)	Concrete curb and gutter (OPSD 600.030)	392 m	\$ 68.00	\$ 26,656.00	\$ 26,656.00	
b)	Concrete curb and gutter (OPSD 600.040)	52 m	\$ 108.00	\$ 5,616.00	\$ 5,616.00	
15	Removal of concrete sidewalk and drives	657 m ²	\$ 10.25	\$ 6,734.25	\$ 6,734.25	
16	Place concrete sidewalk and drives					
a)	Sidewalks (125 mm)	230 m ²	\$ 63.00	\$ 14,490.00		\$ 14,490.00
b)	Sidewalk pad for park bench (125mm)	2.8 m ²	\$ 88.00	\$ 246.40		\$ 246.40
c)	Sidewalks (150 mm)	185 m ²	\$ 77.00	\$ 14,245.00		\$ 14,245.00
d)	Driveway Slab (150 mm)	64 m ²	\$ 84.00	\$ 5,376.00		\$ 5,376.00

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17	Supply and install detectable warning surfaces	16 Ea.	\$ 215.00	\$ 3,440.00		\$ 3,440.00
18	Topsoil (imported)	1560 m ²	\$ 13.25	\$ 20,670.00	\$ 19,094.95	\$ 1,575.05
19	Sodding (nursery, unstaked)	1560 m ²	\$ 6.50	\$ 10,140.00	\$ 9,367.33	\$ 772.67
20	Removal of concrete steps					
a)	House #37	1 L.S.		\$ 285.00	\$ 285.00	
b)	House #50	1 L.S.		\$ 285.00	\$ 285.00	
21	Place concrete steps					
a)	House #37	1 L.S.		\$ 1,200.00		\$ 1,200.00
b)	House #50	1 L.S.		\$ 1,050.00		\$ 1,050.00
22	Pavement markings					
a)	Yellow solid, 10 cm	1 L.S.		\$ 1,100.00	\$ 1,100.00	
Sub-Total Roadwork --				\$ 339,979.83	\$ 293,384.50	\$ 46,595.33

STORM SEWERS

23	Storm pipe sewers					
a)	300 mm HDPE CSA B182.6 or equivalent	222 m	\$ 240.00	\$ 53,280.00		
24	Catch basins, including frames and grates					
a)	600 mm x 600 mm (OPSD 705.010)	5 Ea.	\$ 2,675.00	\$ 13,375.00		
25	1200mm maintenance holes and maintenance hole catch basins, including frames and grates	5 Ea.	\$ 6,050.00	\$ 30,250.00		
26	Reconnect existing drains and services	30 m	\$ 180.00	\$ 5,400.00		
27	Perforated subdrain including excavation					
a)	Installed in roadbed	285 m	\$ 25.25	\$ 7,196.25		
b)	Installed in trench bottom (OPSD 809.010)	24 m	\$ 17.00	\$ 408.00		
28	Remove existing storm sewer	37 m	\$ 14.00	\$ 518.00		
29	PVC SDR-28 private drain connections,	3.5 m	\$ 380.00	\$ 1,330.00		
30	Private drain connection cleanout	1 Ea.	\$ 135.00	\$ 135.00		
31	Stone Pit	1 L.S.		\$ 1,285.00		
Sub-Total Storm Sewers --				\$ 113,177.25	\$ 74,696.99	\$ 38,480.27

SANITARY SEWERS

32	200 mm PVC SDR-35 sanitary sewer pipe	96.4 m	\$ 245.00	\$ 23,618.00		
33	Maintenance holes					
a)	1200 mm maintenance hole	1 Ea.	\$ 7,100.00	\$ 7,100.00		
b)	1200 mm maintenance hole (MH S4)	1 Ea.	\$13,450.00	\$ 13,450.00		
34	PVC SDR-28 sanitary service pipe					
a)	100 mm dia.	27 m	\$ 280.00	\$ 7,560.00		
b)	150 mm dia.	113 m	\$ 180.00	\$ 20,340.00		
c)	Abandon existing service at Sta 0+463±	1 L.S.		\$ 650.00		

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d)	Abandon two existing services	1 L.S.		\$ 1,285.00		
35	Sanitary sewer service cleanout					
a)	100 mm dia.	5 Ea.	\$ 120.00	\$ 600.00		
b)	150 mm dia.	7 Ea.	\$ 265.00	\$ 1,855.00		
36	Rigid board insulation - 50 mm HI-40	34 m ²	\$ 32.00	\$ 1,088.00		
Sub-Total Sanitary Sewers --				\$ 77,546.00	\$ -	\$ 77,546.00

WATERMAINS

37	PVC DR18 watermain					
a)	150 mm dia.	49 m	\$ 215.00	\$ 10,535.00		
b)	300 mm dia.	188.2 m	\$ 310.00	\$ 58,342.00		
38	Ductile iron fittings					
a)	150 mm dia. gate valves	4 Ea.	\$ 1,350.00	\$ 5,400.00		
b)	300 mm dia. gate valves	3 Ea.	\$ 4,150.00	\$ 12,450.00		
c)	300 x 300 x 150 mm tees	4 Ea.	\$ 965.00	\$ 3,860.00		
d)	150 mm 45° bends	4 Ea.	\$ 350.00	\$ 1,400.00		
e)	300 mm 22.5° bends	1 Ea.	\$ 795.00	\$ 795.00		
f)	300 mm 45° bends	3 Ea.	\$ 830.00	\$ 2,490.00		
g)	Fire hydrants	2 Ea.	\$ 6,325.00	\$ 12,650.00		
h)	Connect to existing watermain	4 Ea.	\$ 2,875.00	\$ 11,500.00		
39	Water service fittings					
a)	19 mm main stops	13 Ea.	\$ 195.00	\$ 2,535.00		
b)	19 mm curb stops	11 Ea.	\$ 576.00	\$ 6,336.00		
c)	19 mm curb stops c/w grounding plate	2 Ea.	\$ 600.00	\$ 1,200.00		
d)	19 mm saddles	13 Ea.	\$ 120.00	\$ 1,560.00		
40	Water Services					
a)	19 mm dia. service tubing (PEX)	139 m	\$ 50.00	\$ 6,950.00		
41	Temporary potable water distribution system	1 L.S.		\$ 8,000.00		
42	Swabbing	1 L.S.		\$ 2,500.00		
43	Remove existing watermain and appurtenances					
a)	watermain including all apurtenances encountered	101 m	\$ 15.00	\$ 1,515.00		
b)	fire hydrant at Sta 0+302±	1 Ea.	\$ 175.00	\$ 175.00		
Sub-Total Watermains --				\$ 150,193.00	\$ -	\$ 150,193.00

PROVISIONAL ITEMS

44	Trench excavation	80 m ³	\$ 20.00	\$ 1,600.00	\$ 1,600.00	
45	Imported granular material in sewer trenches	200 t	\$ 10.75	\$ 2,150.00	\$ 1,986.17	\$ 163.83
46	Supply and place 20 mm dia. stone	200 t	\$ 45.00	\$ 9,000.00	\$ 8,314.20	\$ 685.80
47	Supply and place imported granular bedding	200 t	\$ 17.50	\$ 3,500.00	\$ 3,233.30	\$ 266.70
48	Backfilling of new water services during	4 Ea.	\$ 425.00	\$ 1,700.00		\$ 1,700.00

Item	Description	Qty./Unit	Price	#1 - Moorefield	County	AE
49	Property legal survey bar replacement	3 Ea.	\$ 585.00	\$ 1,755.00	\$ 1,621.27	\$ 133.73
50	Soil sample chemical analysis (ALLOWANCE)	1 L.S.		\$2,500.00	\$ 2,309.50	\$ 190.50
51	Erosion control, catch basin silt sack	4 Ea.	\$ 85.00	\$ 340.00	\$ 314.09	\$ 25.91
52	Remove and replace concrete stairs and handrails	1 L.S.		\$ 23,100.00	\$ -	\$ 23,100.00
Sub-Total Provisional Items --				\$ 45,645.00	\$ 19,378.53	\$ 26,266.47
<u>MISCELLANEOUS ITEMS</u>						
53	Car detour, traffic control and pedestrian safety	1 L.S.		\$ 14,525.00	\$ 13,418.20	\$ 1,106.81
54	Insurance and bonding	1 L.S.		\$ 4,625.00	\$ 4,272.58	\$ 352.43
55	Contingencies (ALLOWANCE)	1 L.S.		\$ 40,000.00	\$ 36,952.00	\$ 3,048.00
56	Lump sum to cover all other requirements	1 L.S.		\$ 28,045.92	\$ 25,908.82	\$ 2,137.10
Sub-Total Miscellaneous Items --				\$ 87,195.92	\$ 80,551.59	\$ 6,644.33
SUB-TOTAL				\$ 813,737.00	\$ 468,011.60	\$ 345,725.40
13% HST				\$ 105,785.81	\$ 60,841.51	\$ 44,944.30
TOTAL TENDER				\$ 919,522.81	\$ 528,853.11	\$ 390,669.70

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Low Bidder summary of Constrtuction Costs

Category	Low Bidder	County	Arran-Elderslie
Road	\$ 339,979.83	\$293,384.50	\$ 46,595.33
Storm sewer	\$ 113,177.25	\$ 74,696.99	\$ 38,480.27
Sanitary sewer	\$ 77,546.00	\$ -	\$ 77,546.00
Watermain	\$ 150,193.00	\$ -	\$ 150,193.00
Provisional	\$ 45,645.00	\$ 19,378.53	\$ 26,266.47
Miscellaneous (including contingency)	\$ 87,195.92	\$ 80,551.59	\$ 6,644.33
Sub-total	\$ 813,737.00	\$468,011.60	\$ 345,725.40
net HST (1.76%)	\$ 14,321.77	\$ 8,237.00	\$ 6,084.77
Total Construction	\$ 828,058.77	\$476,248.60	\$ 351,810.17