

1.8 ENGINEER'S ESTIMATE OF TENDER PRICES

2020-2021 Roadway Reconstruction of Scott Street - Reid Avenue to Colonization Road East (P) Plan Quantity					Bay City Contractors		George Armstrong Co.		Tom Veert Contracting		1876118 Ontario Ltd. o/a Makkinga Contractors	
ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
PHASE 1 - (WORK TO BE COMPLETED IN 2020)												
SECTION A - PHASE 1 - SEWER & WATERMAIN WORKS AND ROAD BASE AND CURB WORKS												
ROADWAY RECONSTRUCTION												
A.001	206, SP	Common Excavation	8600	m ³ (P)	\$14.50	\$124,700.00	\$10.00	\$86,000.00	\$11.72	\$100,792.00	\$12.00	\$103,200.00
A.002	310, SP	Hot Mix Superpave 19.0 (70mm Thick Binder Course)	1700	tonnes	\$270.00	\$459,000.00	\$235.00	\$399,500.00	\$267.28	\$454,376.00	\$245.00	\$416,500.00
A.003	532, SP	Pavement Markings	1500	m	\$12.00	\$18,000.00	\$12.00	\$18,000.00	\$12.91	\$19,365.00	\$11.00	\$16,500.00
A.004	314, SP	Granular "A" Base Course	5500	tonnes	\$25.00	\$137,500.00	\$25.00	\$137,500.00	\$17.06	\$93,830.00	\$22.00	\$121,000.00
A.005	314, SP	Granular "B" Sub-base Course	12500	tonnes	\$25.00	\$312,500.00	\$25.00	\$312,500.00	\$17.91	\$223,875.00	\$24.00	\$300,000.00
A.006	1860, SP	Geogrid	10600	m ² (P)	\$4.00	\$42,400.00	\$5.00	\$53,000.00	\$4.27	\$45,262.00	\$5.00	\$53,000.00
A.007	353 SP	Concrete Curb and Gutter	1350	m (P)	\$150.00	\$202,500.00	\$122.00	\$164,700.00	\$126.52	\$170,802.00	\$145.00	\$195,750.00
A.008	510, SP	Removal of Asphalt Pavement (Full Depth)	9500	m ² (P)	\$5.00	\$47,500.00	\$5.00	\$47,500.00	\$2.17	\$20,615.00	\$5.00	\$47,500.00
A.009	510, SP	Removal of Concrete Curb and Gutter	1350	m (P)	\$17.00	\$22,950.00	\$12.00	\$16,200.00	\$6.70	\$9,045.00	\$25.00	\$33,750.00
A.010	510, SP	Removal of Existing Concrete Driveway Approach	330	m ² (P)	\$25.00	\$8,250.00	\$24.00	\$7,920.00	\$76.29	\$25,175.70	\$25.00	\$8,250.00
subtotal						\$1,375,300.00		\$1,242,820.00		\$1,163,137.70		\$1,295,450.00
SIDEWALK RECONSTRUCTION												
A.011	510, SP	Removal of Existing Concrete Sidewalk	370	m ² (P)	\$25.00	\$9,250.00	\$57.00	\$21,090.00	\$72.77	\$26,924.90	\$25.00	\$9,250.00
A.012	310, SP	Concrete Sidewalk	170	m ² (P)	\$200.00	\$34,000.00	\$203.00	\$34,510.00	\$227.52	\$38,678.40	\$146.00	\$24,820.00
A.013	310, SP	Tactile Warning Plates	65	each	\$360.00	\$23,400.00	\$320.00	\$20,800.00	\$354.00	\$23,010.00	\$325.00	\$21,125.00
subtotal						\$66,650.00		\$76,400.00		\$88,613.30		\$55,195.00
Total Grading						\$1,441,950.00		\$1,319,220.00		\$1,251,751.00		\$1,350,645.00
STORM SEWERS												
A.014	510	Removal of Storm Sewer Manholes and Catchbasins	30	ea (P)	\$800.00	\$24,000.00	\$210.00	\$6,300.00	\$413.55	\$12,406.50	\$900.00	\$27,000.00
A.015	510	Removal of Existing Storm Pipe	65	m (P)	\$30.00	\$1,950.00	\$210.00	\$13,650.00	\$461.79	\$30,016.35	\$25.00	\$1,625.00
A.016	407, SP	Precast Concrete Catchbasin (OPSD 705.010)	18	ea (P)	\$6,100.00	\$109,800.00	\$4,200.00	\$75,600.00	\$4,728.03	\$85,104.54	\$4,500.00	\$81,000.00
A.017	407, SP	Precast Concrete Manhole-1200 mm diameter (OPSD 701.010)	7	ea (P)	\$9,750.00	\$68,250.00	\$10,500.00	\$73,500.00	\$8,914.27	\$62,399.89	\$11,000.00	\$77,000.00
A.018	407, SP	Precast Concrete Manhole-2400 mm diameter (OPSD 701.010)	4	ea (P)	\$23,000.00	\$92,000.00	\$26,250.00	\$105,000.00	\$23,431.62	\$93,726.48	\$24,000.00	\$96,000.00
A.019	410, SP	Plug storm sewer lead	1	ea (P)	\$500.00	\$500.00	\$1,050.00	\$1,050.00	\$720.47	\$720.47	\$1,500.00	\$1,500.00
A.020	410, SP	250mm diameter PVC SDR 35 Storm Sewer	200	m (P)	\$265.00	\$53,000.00	\$420.00	\$84,000.00	\$493.74	\$98,748.00	\$275.00	\$55,000.00
A.021	410, SP	300mm diameter 1.6mm thick - Alumnized Type 2 Metal CSP Culvert	10	m (P)	\$275.00	\$2,750.00	\$420.00	\$4,200.00	\$480.44	\$4,804.40	\$450.00	\$4,500.00
A.022	410, SP	450mm diameter PVC SDR 35 Storm Sewer	25	m (P)	\$495.00	\$12,375.00	\$525.00	\$13,125.00	\$706.02	\$17,650.50	\$700.00	\$17,500.00
A.023	410, SP	1375mm diameter - 2.0mm thick - Aluminized Type 2 Metal CSP Storm Sewer Pipe	335	m (P)	\$1,175.00	\$393,625.00	\$735.00	\$246,225.00	\$824.45	\$276,190.75	\$1,350.00	\$452,250.00
A.024	410, SP	Connection to 1375mm diameter CSP Storm Sewer	4	ea (P)	\$1,000.00	\$4,000.00	\$15,750.00	\$63,000.00	\$7,520.31	\$30,081.24	\$3,000.00	\$12,000.00
subtotal						\$762,250.00		\$685,650.00		\$711,849.12		\$825,375.00
WATERMAINS												
A.025	SP	150 mm PVC DR 18 Class 150 Watermain	65	m (P)	\$485.00	\$31,525.00	\$420.00	\$27,300.00	\$531.62	\$34,555.30	\$295.00	\$19,175.00
A.026	SP	250 mm PVC DR 18 Class 150 Watermain	700	m (P)	\$590.00	\$413,000.00	\$475.00	\$332,500.00	\$493.38	\$345,366.00	\$365.00	\$255,500.00
A.027	SP	Supply and Install new 150 mm Watervalue and box including connection to watermain	4	ea (P)	\$3,000.00	\$12,000.00	\$4,200.00	\$16,800.00	\$2,852.64	\$11,410.56	\$2,750.00	\$11,000.00
A.028	SP	Supply and Install new 250 mm Watervalue and box including connection to watermain	7	ea (P)	\$5,600.00	\$39,200.00	\$7,875.00	\$55,125.00	\$5,073.45	\$35,514.15	\$5,500.00	\$38,500.00

ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
A.029	SP	Temporary Water Service	1	L.S.	\$15,000.00	\$15,000.00	\$26,250.00	\$26,250.00	\$11,508.03	\$11,508.03	\$25,000.00	\$25,000.00
A.030	SP	Connect new 150 watermain to Existing 150 Watermain	4	ea (P)	\$3,500.00	\$14,000.00	\$10,500.00	\$42,000.00	\$1,594.72	\$6,378.88	\$4,100.00	\$16,400.00
A.031	SP	Connect new 250 watermain to Existing 250 Watermain	2	ea (P)	\$3,500.00	\$7,000.00	\$15,750.00	\$31,500.00	\$2,094.39	\$4,188.78	\$4,100.00	\$8,200.00
A.032	SP	Reconnect water services to new 150 mm watermain	2	ea (P)	\$500.00	\$1,000.00	\$2,100.00	\$4,200.00	\$649.26	\$1,298.52	\$900.00	\$1,800.00
A.033	SP	Reconnect water services to new 250 mm watermain	49	ea (P)	\$500.00	\$24,500.00	\$1,050.00	\$51,450.00	\$728.91	\$35,716.59	\$900.00	\$44,100.00
A.034	SP	Replace existing water service	49	ea (P)	\$1,700.00	\$83,300.00	\$1,050.00	\$51,450.00	\$1,476.50	\$72,348.50	\$1,750.00	\$85,750.00
A.035	SP	Supply and install new Curb Stops	49	ea (P)	\$675.00	\$33,075.00	\$1,575.00	\$77,175.00	\$690.00	\$33,810.00	\$1,000.00	\$49,000.00
A.036	SP	Hydrant Set (Remove and Replace)	6	ea (P)	\$12,500.00	\$75,000.00	\$12,600.00	\$75,600.00	\$14,008.98	\$84,053.88	\$13,500.00	\$81,000.00
subtotal						\$748,600.00		\$791,350.00		\$676,149.19		\$635,425.00
SANITARY SEWERS												
A.037	407, SP	Removal of Existing Sanitary Sewer Manhole	6	ea (P)	\$1,000.00	\$6,000.00	\$1,050.00	\$6,300.00	\$1,542.03	\$9,252.18	\$1,100.00	\$6,600.00
A.038	407, SP	Precast Concrete Sanitary Sewer Manhole-1200 mm diameter (OPSD 701.010)	6	ea (P)	\$14,000.00	\$84,000.00	\$10,500.00	\$63,000.00	\$8,584.96	\$51,509.76	\$11,500.00	\$69,000.00
A.039	410, SP	250 mm PVC SDR 35 Sanitary Sewer	300	m (P)	\$600.00	\$180,000.00	\$420.00	\$126,000.00	\$693.02	\$207,906.00	\$285.00	\$85,500.00
A.040	410, SP	300 mm PVC SDR 35 Sanitary Sewer	20	m (P)	\$635.00	\$12,700.00	\$475.00	\$9,500.00	\$549.83	\$10,996.60	\$400.00	\$8,000.00
A.041	410, SP	375 mm PVC SDR 35 Sanitary Sewer	430	m (P)	\$650.00	\$279,500.00	\$475.00	\$204,250.00	\$708.27	\$304,556.10	\$405.00	\$174,150.00
A.042	410, SP	Replace Existing Sanitary Service	49	ea (P)	\$2,000.00	\$98,000.00	\$2,100.00	\$102,900.00	\$1,477.43	\$72,394.07	\$2,150.00	\$105,350.00
A.043	410, SP	Connect Sanitary Service to Sanitary Sewer	49	ea (P)	\$750.00	\$36,750.00	\$2,100.00	\$102,900.00	\$430.79	\$21,108.71	\$900.00	\$44,100.00
A.044	410, SP	Connect new 250mm diameter Sanitary Sewer to existing 250mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,310.34	\$1,310.34	\$900.00	\$900.00
A.045	410, SP	Connect new 250mm diameter Sanitary Sewer to existing 225mm diameter Sanitary Sewer	2	each (P)	\$500.00	\$1,000.00	\$10,500.00	\$21,000.00	\$1,230.44	\$2,460.88	\$900.00	\$1,800.00
A.046	410, SP	Connect new 300mm diameter Sanitary Sewer to existing 300mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,239.59	\$1,239.59	\$900.00	\$900.00
A.047	410, SP	Connect new 375mm diameter Sanitary Sewer to existing 300mm diameter Sanitary Sewer	1	each (P)	\$500.00	\$500.00	\$10,500.00	\$10,500.00	\$1,239.89	\$1,239.89	\$900.00	\$900.00
A.048	410, SP	CCTV Inspection of Installed Sanitary Pipe	750	m	\$18.00	\$13,500.00	\$25.00	\$18,750.00	\$15.73	\$11,797.50	\$25.00	\$18,750.00
subtotal						\$712,950.00		\$686,100.00		\$695,771.62		\$515,950.00
TOTAL SECTION A						\$3,665,750.00		\$3,482,320.00		\$3,335,520.93		\$3,327,395.00
SECTION B - CREDIT FOR USING SAND BEDDING IN LIEU OF STONE BEDDING & GEOTEXTILE												
B.001	SP	Credit for Replacing Clear Stone Bedding with Sand Bedding During Sewer and/or Watermain Work for main pipes 450mm Diameter and Smaller	1740	m	-\$35.00	-\$60,900.00	-\$1.00	-\$1,740.00	-\$1.97	-\$3,427.80	-\$13.00	-\$22,620.00
B.002	SP	Credit for Replacing Clear Stone Bedding with Sand Bedding During Sewer and/or Watermain Work for 1375mm diameter Storm Sewer Main Pipe	335	m	-\$80.00	-\$26,800.00	-\$1.00	-\$335.00	-\$1.97	-\$659.95	-\$25.00	-\$8,375.00
TOTAL SECTION B						-\$87,700.00		-\$2,075.00		-\$4,087.75		-\$30,995.00
SECTION C - GENERAL (PHASE 1 WORK)												
C.001		Bonds and Insurance	1	LS	\$75,000.00	\$75,000.00	\$55,000.00	\$55,000.00	\$67,998.97	\$67,998.97	\$39,000.00	\$39,000.00
C.002		Mobilization & Demobilization	1	LS	\$175,000.00	\$175,000.00			\$8,976.35	\$8,976.35	\$207,000.00	\$207,000.00
C.003		Contingency	1	LS	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00	\$150,000.00
TOTAL SECTION C						\$400,000.00		\$205,000.00		\$226,975.32		\$396,000.00
END OF PHASE 1 WORK						\$4,065,750.00		\$3,687,320.00		\$3,562,496.25		\$3,723,395.00

ITEM NO.	OPS SPEC.	DESCRIPTION	EST. QTY	UNIT	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
PHASE 2 (WORK TO BE COMPLETED IN 2021)												
SECTION D - PHASE 2 - FINISHED SURFACE WORKS - SIDEWALK, APPROACHES, SODDING, ASPHALT												
ROADWAY RECONSTRUCTION												
D.001	310, SP	Hot Mix Superpave 12.5 (50mm Thick Surface Course)	1300	tonnes	\$260.00	\$338,000.00	\$225.00	\$292,500.00	\$255.55	\$332,215.00	\$235.00	\$305,500.00
D.002	350, SP	Concrete Driveway Approach	180	m ² (P)	\$195.00	\$35,100.00	\$263.00	\$47,340.00	\$261.30	\$47,034.00	\$195.00	\$35,100.00
D.003	350, SP	Concrete Driveway Approach to former Abitibi Yard	55	m ² (P)	\$260.00	\$14,300.00	\$238.00	\$13,090.00	\$328.64	\$18,075.20	\$250.00	\$13,750.00
D.004	532, SP	Pavement markings	1500	m	\$12.00	\$18,000.00	\$12.00	\$18,000.00	\$13.22	\$19,830.00	\$11.00	\$16,500.00
D.005	570, 571, SP	Boulevard Re-grading, Topsoil and Sodding	2400	m ² (P)	\$20.00	\$48,000.00	\$25.00	\$60,000.00	\$26.85	\$64,440.00	\$15.00	\$36,000.00
subtotal					\$453,400.00		\$430,930.00		\$481,594.20		\$406,850.00	
SIDEWALK RECONSTRUCTION												
D.006	510, SP	Removal of Existing Concrete Sidewalk	1060	m ² (P)	\$25.00	\$26,500.00	\$57.00	\$60,420.00	\$98.39	\$104,293.40	\$25.00	\$26,500.00
D.007	310, SP	Concrete Sidewalk	1260	m ² (P)	\$150.00	\$189,000.00	\$156.00	\$196,560.00	\$162.54	\$204,800.40	\$140.00	\$176,400.00
subtotal					\$215,500.00		\$256,980.00		\$309,093.80		\$202,900.00	
TOTAL SECTION D					\$668,900.00		\$687,910.00		\$790,688.00		\$609,750.00	
SECTION E - GENERAL (PHASE 2 WORK)												
E.001		Bonds and Insurance	1	LS	\$15,000.00	\$15,000.00	\$20,000.00	\$20,000.00	\$13,569.53	\$13,569.53	\$9,500.00	\$9,500.00
E.002		Mobilization & Demobilization	1	LS	\$33,000.00	\$33,000.00			\$4,488.18	\$4,488.18	\$45,000.00	\$45,000.00
E.003		Contingency	1	LS	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
TOTAL SECTION F					\$123,000.00		\$95,000.00		\$93,057.71		\$129,500.00	
END OF PHASE 2 WORK					\$791,900.00		\$782,910.00		\$883,745.71		\$739,250.00	
SUMMARY OF TENDER PRICES												
SECTION A - PHASE 1 - SEWER & WATERMAIN WORKS AND ROAD BASE AND CURB WORKS						\$3,665,750.00		\$3,482,320.00		\$3,335,520.93		\$3,327,395.00
SECTION B - CREDIT FOR USING SAND BEDDING IN LIEU OF STONE BEDDING & GEOTEXTILE						-\$87,700.00		-\$2,075.00		-\$4,087.75		-\$30,995.00
SECTION C - GENERAL (PHASE 1 WORK)						\$400,000.00		\$205,000.00		\$226,975.32		\$396,000.00
SECTION D - PHASE 2 - FINISHED SURFACE WORKS - SIDEWALK, APPROACHES, SODDING, ASPHALT						\$668,900.00		\$687,910.00		\$790,688.00		\$609,750.00
SECTION E - GENERAL (PHASE 2 WORK)						\$123,000.00		\$95,000.00		\$93,057.71		\$129,500.00
SUBTOTAL						\$4,857,650.00		\$4,470,230.00		\$4,442,154.21		\$4,431,650.00
H.S.T.						\$631,494.50		\$581,129.90		\$577,480.05		\$576,114.50
TOTAL						\$5,489,144.50		\$5,051,359.90		\$5,019,634.26		\$5,007,764.50