

# PORTAGE RIVER SOUTH ROAD TR #18 SAFETY IMPROVEMENT PROJECT

LINE	ITEM	QTY	UNITS	DESCRIPTION	Engineer's Estimate		Geddis Paving & Exc		Great Lakes Demol.		Henry W Bergman, Inc.		Mosser Construction	
					EST. UNIT COST	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL
<b>ROADWAY</b>														
1	201	LS		CLEARING AND GRUBBING, AS PER PLAN	\$ 7,500.00	\$ 7,500.00	Lump Sum	\$ 10,000.00	Lump Sum	\$ 6,500.00	Lump Sum	\$ 6,000.00	Lump Sum	\$ 8,000.00
2	202	237	SY	PAVEMENT REMOVED, ASPHALT, AS PER PLAN	\$ 15.00	\$ 3,555.00	16.00	\$ 3,792.00	15.00	\$ 3,555.00	11.00	\$ 2,607.00	20.83	\$ 4,936.71
3	202	1651	SY	REMOVAL MISC.: RUBBLIZE AND GRADE ASPHALT PAVEMENT	\$ 5.00	\$ 8,255.00	3.00	\$ 4,953.00	6.00	\$ 9,906.00	5.00	\$ 8,255.00	3.71	\$ 6,125.21
4	202	62.5	FT	GUARDRAIL REMOVED	\$ 4.00	\$ 250.00	2.00	\$ 125.00	2.00	\$ 125.00	2.20	\$ 137.50	2.00	\$ 125.00
5	202	200	FT	GUARDRAIL REMOVED FOR REUSE	\$ 6.00	\$ 1,200.00	2.40	\$ 480.00	3.00	\$ 600.00	3.00	\$ 600.00	2.40	\$ 480.00
6	202	284	SF	WALK REMOVED	\$ 5.00	\$ 1,420.00	0.50	\$ 142.00	3.00	\$ 852.00	3.30	\$ 937.20	2.65	\$ 752.60
7	202	2	EACH	ANCHOR ASSEMBLY REMOVED FOR REUSE, TYPE E	\$ 200.00	\$ 400.00	150.00	\$ 300.00	200.00	\$ 400.00	168.00	\$ 336.00	150.00	\$ 300.00
8	202	2	EACH	ANCHOR ASSEMBLY REMOVED FOR STORAGE, TYPE E	\$ 200.00	\$ 400.00	185.00	\$ 370.00	200.00	\$ 400.00	205.00	\$ 410.00	185.00	\$ 370.00
9	202	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED FOR REUSE	\$ 100.00	\$ 400.00	80.00	\$ 320.00	100.00	\$ 400.00	90.00	\$ 360.00	80.00	\$ 320.00
10	202	2	EACH	REMOVAL MISC.: 25' LONG SPAN RAILING SYSTEM REMOVED FOR REUSE	\$ 250.00	\$ 500.00	190.00	\$ 380.00	200.00	\$ 400.00	210.00	\$ 420.00	190.00	\$ 380.00
11	203	417	CY	EXCAVATION	\$ 15.00	\$ 6,255.00	15.00	\$ 6,255.00	15.00	\$ 6,255.00	6.60	\$ 2,752.20	15.10	\$ 6,296.70
12	203	627	CY	EMBANKMENT	\$ 15.00	\$ 9,405.00	15.00	\$ 9,405.00	15.00	\$ 9,405.00	13.20	\$ 8,276.40	17.95	\$ 11,254.65
13	204	2529	SY	SUBGRADE COMPACTION	\$ 1.00	\$ 2,529.00	1.00	\$ 2,529.00	2.00	\$ 5,058.00	1.32	\$ 3,338.28	0.53	\$ 1,340.37
14	204	42	CY	EXCAVATION OF SUBGRADE, AS PER PLAN	\$ 15.00	\$ 630.00	25.00	\$ 1,050.00	15.00	\$ 630.00	6.60	\$ 277.20	15.00	\$ 630.00
15	204	504	CY	GRANULAR EMBANKMENT, AS PER PLAN	\$ 30.00	\$ 15,120.00	28.00	\$ 14,112.00	40.01	\$ 20,165.04	35.20	\$ 17,740.80	18.73	\$ 9,439.92
16	204	42	CY	GRANULAR MATERIAL, TYPE C, AS PER PLAN	\$ 40.00	\$ 1,680.00	50.00	\$ 2,100.00	65.00	\$ 2,730.00	41.80	\$ 1,755.60	34.00	\$ 1,428.00
17	204	2	HOUR	PROOF ROLLING, AS PER PLAN	\$ 150.00	\$ 300.00	95.00	\$ 190.00	200.00	\$ 400.00	93.50	\$ 187.00	134.23	\$ 268.46
18	606	100	FT	GUARDRAIL, TYPE 5	\$ 20.00	\$ 2,000.00	20.50	\$ 2,050.00	20.40	\$ 2,040.00	23.00	\$ 2,300.00	20.40	\$ 2,040.00
19	606	200	FT	GUARDRAIL REBUILT, TYPE 5	\$ 20.00	\$ 4,000.00	14.00	\$ 2,800.00	16.40	\$ 3,280.00	16.00	\$ 3,200.00	14.00	\$ 2,800.00
20	606	4	EACH	GUARDRAIL POST, STEEL, AS PER PLAN	\$ 200.00	\$ 800.00	145.00	\$ 580.00	200.00	\$ 800.00	160.00	\$ 640.00	145.00	\$ 580.00
21	606	4	EACH	FLARED END SECTION	\$ 55.00	\$ 220.00	55.00	\$ 220.00	60.00	\$ 240.00	75.00	\$ 300.00	55.00	\$ 220.00
22	606	2	EACH	ANCHOR ASSEMBLY, TYPE T	\$ 750.00	\$ 1,500.00	825.00	\$ 1,650.00	825.00	\$ 1,650.00	890.00	\$ 1,780.00	825.00	\$ 1,650.00
23	606	2	EACH	ANCHOR ASSEMBLY REBUILT, TYPE E	\$ 1,500.00	\$ 3,000.00	1,785.00	\$ 3,570.00	1,800.00	\$ 3,600.00	2,000.00	\$ 4,000.00	1,785.00	\$ 3,570.00
24	606	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1	\$ 1,400.00	\$ 1,400.00	1,570.00	\$ 1,570.00	1,600.00	\$ 1,600.00	1,750.00	\$ 1,750.00	1,570.00	\$ 1,570.00
25	606	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2	\$ 500.00	\$ 500.00	550.00	\$ 550.00	600.00	\$ 600.00	620.00	\$ 620.00	550.00	\$ 550.00
26	606	4	EACH	BRIDGE TERMINAL ASSEMBLY REBUILT, TYPE 4	\$ 600.00	\$ 2,400.00	685.00	\$ 2,740.00	750.00	\$ 3,000.00	750.00	\$ 3,000.00	685.00	\$ 2,740.00
27	606	2	EACH	GUARDRAIL, MISC.: REBUILT 25' LONG SPAN RAILING SYSTEM	\$ 500.00	\$ 1,000.00	575.00	\$ 1,150.00	600.00	\$ 1,200.00	650.00	\$ 1,300.00	575.00	\$ 1,150.00
28	622	110	FT	CONCRETE BARRIER, TYPE D, AS PER PLAN	\$ 225.00	\$ 24,750.00	220.00	\$ 24,200.00	310.00	\$ 34,100.00	341.00	\$ 37,510.00	295.07	\$ 32,457.70
<b>EROSION CONTROL</b>														
29	601	65	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	\$ 100.00	\$ 6,500.00	115.00	\$ 7,475.00	85.00	\$ 5,525.00	82.50	\$ 5,362.50	71.67	\$ 4,658.55
30	659	1794	SY	SEEDING AND MULCHING, CLASS 1	\$ 2.00	\$ 3,588.00	2.30	\$ 4,126.20	1.01	\$ 1,811.94	1.37	\$ 2,457.78	2.30	\$ 4,126.20
31	832	7500	EACH	EROSION CONTROL	\$ 1.00	\$ 7,500.00	1.00	\$ 7,500.00	1.00	\$ 7,500.00	1.00	\$ 7,500.00	1.00	\$ 7,500.00
<b>DRAINAGE</b>														
32	202	LS		STRUCTURE REMOVED	\$ 12,000.00	\$ 12,000.00	Lump Sum	\$ 7,700.00	Lump Sum	\$ 10,000.00	Lump Sum	\$ 8,250.00	Lump Sum	\$ 4,351.16
33	503	LS		COFFERDAMS AND EXCAVATION BRACING	\$ 4,500.00	\$ 4,500.00	Lump Sum	\$ 12,400.00	Lump Sum	\$ 5,001.00	Lump Sum	\$ 4,400.00	Lump Sum	\$ 8,747.43
34	503	LS		UNCLASSIFIED EXCAVATION	\$ 9,000.00	\$ 9,000.00	Lump Sum	\$ 8,950.00	Lump Sum	\$ 6,541.00	Lump Sum	\$ 9,000.00	Lump Sum	\$ 16,153.64
35	512	44	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	\$ 30.00	\$ 1,320.00	35.00	\$ 1,540.00	35.00	\$ 1,540.00	30.80	\$ 1,355.20	27.59	\$ 1,213.96
36	602	46	CY	CONCRETE MASONRY	\$ 1,000.00	\$ 46,000.00	905.00	\$ 41,630.00	900.00	\$ 41,400.00	962.50	\$ 44,275.00	832.29	\$ 38,285.34
37	605	2050	FT	4" SHALLOW PIPE UNDERDRAINS	\$ 11.00	\$ 22,550.00	10.00	\$ 20,500.00	10.01	\$ 20,520.50	9.90	\$ 20,295.00	7.60	\$ 15,580.00
38	611	180	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	\$ 15.00	\$ 2,700.00	10.00	\$ 1,800.00	15.00	\$ 2,700.00	13.20	\$ 2,376.00	29.14	\$ 5,245.20
39	611	48	FT	53" X 83" CONDUIT, TYPE A, 706.04	\$ 650.00	\$ 31,200.00	585.00	\$ 28,080.00	650.02	\$ 31,200.96	654.50	\$ 31,416.00	610.97	\$ 29,326.56
<b>PAVEMENT</b>														

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					EST. UNIT COST	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL	BID PRICE	TOTAL
40	253	232	CY	PAVEMENT REPAIR	\$ 230.00	\$ 53,360.00	180.00	\$ 41,760.00	210.00	\$ 48,720.00	198.00	\$ 45,936.00	225.00	\$ 52,200.00
41	253	24	CY	PAVEMENT REPAIR, AS PER PLAN	\$ 230.00	\$ 5,520.00	380.00	\$ 9,120.00	210.00	\$ 5,040.00	198.00	\$ 4,752.00	225.00	\$ 5,400.00
42	254	12716	SY	PAVEMENT PLANING, ASPHALT CONCRETE	\$ 2.50	\$ 31,790.00	1.80	\$ 22,888.80	1.85	\$ 23,524.60	1.90	\$ 24,160.40	1.70	\$ 21,617.20
43	301	415	CY	ASPHALT CONCRETE BASE, PG64-22	\$ 130.00	\$ 53,950.00	140.00	\$ 58,100.00	154.00	\$ 63,910.00	150.00	\$ 62,250.00	128.00	\$ 53,120.00
44	304	714	CY	AGGREGATE BASE	\$ 66.00	\$ 47,124.00	55.00	\$ 39,270.00	45.00	\$ 32,130.00	45.00	\$ 32,130.00	47.48	\$ 33,900.72
45	407	2616	GAL	TACK COAT	\$ 2.00	\$ 5,232.00	2.00	\$ 5,232.00	3.25	\$ 8,502.00	2.10	\$ 5,493.60	2.15	\$ 5,624.40
46	411	170	CY	STABILIZED CRUSHED AGGREGATE	\$ 80.00	\$ 13,600.00	60.00	\$ 10,200.00	60.00	\$ 10,200.00	59.00	\$ 10,030.00	66.77	\$ 11,350.90
47	441	544	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	\$ 160.00	\$ 87,040.00	154.00	\$ 83,776.00	160.00	\$ 87,040.00	161.00	\$ 87,584.00	152.00	\$ 82,688.00
48	441	100	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), AS PER PLAN	\$ 160.00	\$ 16,000.00	163.00	\$ 16,300.00	180.00	\$ 18,000.00	148.00	\$ 14,800.00	158.00	\$ 15,800.00
49	441	742	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	\$ 150.00	\$ 111,300.00	131.00	\$ 97,202.00	142.00	\$ 105,364.00	146.00	\$ 108,332.00	124.00	\$ 92,008.00
50	617	186	TON	COMPACTED AGGREGATE, AS PER PLAN	\$ 35.00	\$ 6,510.00	24.50	\$ 4,557.00	30.01	\$ 5,581.86	38.00	\$ 7,068.00	42.70	\$ 7,942.20
<b>WATER WORK</b>														
51	638	1	EACH	FIRE HYDRANT REMOVED	\$ 600.00	\$ 600.00	1,400.00	\$ 1,400.00	600.00	\$ 600.00	550.00	\$ 550.00	574.71	\$ 574.71
52	638	2	EACH	FIRE HYDRANT REMOVED AND RESET, AS PER PLAN	\$ 3,000.00	\$ 6,000.00	3,900.00	\$ 7,800.00	2,400.00	\$ 4,800.00	3,080.00	\$ 6,160.00	1,804.69	\$ 3,609.38
53	638	2	EACH	SPECIAL - CUT AND PLUG EXISTING 12" WATER LINE	\$ 2,000.00	\$ 4,000.00	395.00	\$ 790.00	1,500.00	\$ 3,000.00	1,650.00	\$ 3,300.00	914.30	\$ 1,828.60
54	638	270	FT	WATER WORK, MISC.: 14" DIPS WATER MAIN, HDPE SDR 11, BUTT WELDED JOINTS AND FITTINGS	\$ 200.00	\$ 54,000.00	120.00	\$ 32,400.00	150.00	\$ 40,500.00	165.00	\$ 44,550.00	144.68	\$ 39,063.60
<b>TRAFFIC CONTROL</b>														
55	630	20	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	\$ 15.00	\$ 300.00	14.00	\$ 280.00	15.00	\$ 300.00	17.60	\$ 352.00	14.00	\$ 280.00
56	630	10	EACH	SIGN POST REFLECTOR	\$ 50.00	\$ 500.00	45.00	\$ 450.00	50.00	\$ 500.00	55.00	\$ 550.00	45.00	\$ 450.00
57	630	12.5	SF	SIGN ERECTED, FLAT SHEET	\$ 25.00	\$ 312.50	26.00	\$ 325.00	25.04	\$ 313.00	33.00	\$ 412.50	26.00	\$ 325.00
58	630	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	\$ 75.00	\$ 375.00	70.00	\$ 350.00	75.00	\$ 375.00	71.50	\$ 357.50	70.00	\$ 350.00
59	630	2	EACH	SIGNING, MISC.: LED ENHANCED PEDESTRIAN CROSSING SIGN (W11-02)	\$ 2,750.00	\$ 5,500.00	2,795.00	\$ 5,590.00	2,750.00	\$ 5,500.00	3,300.00	\$ 6,600.00	2,620.00	\$ 5,240.00
60	642	2.11	MILE	EDGE LINE, 4", TYPE 1	\$ 700.00	\$ 1,477.00	600.00	\$ 1,266.00	700.00	\$ 1,477.00	880.00	\$ 1,856.80	600.00	\$ 1,266.00
61	642	1.06	MILE	CENTER LINE, TYPE 1	\$ 1,700.00	\$ 1,802.00	1,000.00	\$ 1,060.00	1,700.00	\$ 1,802.00	1,760.00	\$ 1,865.60	1,000.00	\$ 1,060.00
62	642	546	FT	CHANNELIZING LINE, 8", TYPE 1	\$ 1.00	\$ 546.00	1.00	\$ 546.00	1.00	\$ 546.00	1.10	\$ 600.60	1.00	\$ 546.00
63	642	300	FT	CROSSWALK LINE, TYPE 1	\$ 2.00	\$ 600.00	3.00	\$ 900.00	2.00	\$ 600.00	2.20	\$ 660.00	3.00	\$ 900.00
64	642	110	FT	TRANSVERSE/DIAGONAL LINE, TYPE 1	\$ 4.00	\$ 440.00	3.00	\$ 330.00	4.00	\$ 440.00	4.40	\$ 484.00	3.00	\$ 330.00
65	642	25	SF	ISLAND MARKING, TYPE 1	\$ 2.00	\$ 50.00	3.00	\$ 75.00	2.00	\$ 50.00	2.20	\$ 55.00	3.00	\$ 75.00
66	642	2	EACH	LANE ARROW, TYPE 1	\$ 60.00	\$ 120.00	75.00	\$ 150.00	60.00	\$ 120.00	55.00	\$ 110.00	75.00	\$ 150.00
<b>MAINTENANCE OF TRAFFIC</b>														
67	614	LS		MAINTAINING TRAFFIC	\$ 10,000.00	\$ 10,000.00	Lump Sum	\$ 20,000.00	Lump Sum	\$ 5,500.00	Lump Sum	\$ 16,000.00	Lump Sum	\$ 20,000.00
68	614	LS		DETOUR SIGNING	\$ 2,500.00	\$ 2,500.00	Lump Sum	\$ 10,000.00	Lump Sum	\$ 2,500.00	Lump Sum	\$ 5,000.00	Lump Sum	\$ 2,500.00
69	614	0.38	MILE	WORK ZONE CENTER LINE, CLASS I	\$ 2,000.00	\$ 760.00	6,000.00	\$ 2,280.00	2,000.00	\$ 760.00	2,200.00	\$ 836.00	2,000.00	\$ 760.00
70	614	300	FT	WORK ZONE CROSSWALK LINE, CLASS I	\$ 2.00	\$ 600.00	3.00	\$ 900.00	2.00	\$ 600.00	2.20	\$ 660.00	2.00	\$ 600.00
<b>INCIDENTALS</b>														
71	103	Lump	Sum	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	\$ 5,000.00	\$ 5,000.00	Lump Sum	\$ 13,000.00	Lump Sum	\$ 10,950.00	Lump Sum	\$ 5,800.00	Lump Sum	\$ 4,000.00
72	623	Lump	Sum	CONSTRUCTION LAYOUT STAKES AND SURVEYING	\$ 10,000.00	\$ 10,000.00	Lump Sum	\$ 10,000.00	Lump Sum	\$ 4,340.00	Lump Sum	\$ 12,000.00	Lump Sum	\$ 8,000.00
73	624	Lump	Sum	MOBILIZATION	\$ 15,000.00	\$ 15,000.00	Lump Sum	\$ 26,500.00	Lump Sum	\$ 18,600.00	Lump Sum	\$ 18,000.00	Lump Sum	\$ 7,500.00
<b>TOTAL</b>					<b>\$ 800,135.50</b>		<b>\$ 764,082.00</b>		<b>\$ 765,816.90</b>		<b>\$ 776,773.66</b>		<b>\$ 718,023.07</b>	
AS OPENED AND READ							\$ 764,082.00		\$ 765,816.90		\$ 777,690.46		\$ 729,999.07	