

## BOUGHTONVILLE ROAD IMPROVMENT RP-105-01-16

BID OPENING: FEBRUARY 17, 2017 9:00 A.M.

Item	Quantity	Unit	ESTIMATED QUANTITIES		ENGINEER'S ESTIMATE		ED BURDUE & CO.		A.J. RILEY		GREAT LAKES DEMOLITION		ERIE BLACKTOP		OTT EXCAVATING		BUCKEYE EXCAVATING		AVERAGE UNIT COST	AVERAGE TOTAL COST
			Description	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost		
<b>ROADWAY</b>																				
201	Lump	Lump	Clearing & Grubbing	\$ 5,000.00	\$ 5,000.00	\$ 1,800.00	\$ 1,800.00	\$ 6,000.00	\$ 6,000.00	\$ 4,000.00	\$ 4,000.00	\$ 2,500.00	\$ 2,500.00	\$ 5,400.00	\$ 5,400.00	\$ 4,700.00	\$ 4,700.00	\$ 4,066.67	\$ 4,066.67	
202	56	Foot	Pipe Removed	\$ 2.00	\$ 112.00	\$ 6.00	\$ 336.00	\$ 3.00	\$ 168.00	\$ 10.00	\$ 560.00	\$ 6.25	\$ 350.00	\$ 1.00	\$ 56.00	\$ 5.50	\$ 308.00	\$ 5.29	\$ 296.33	
203	7517	Sq.Yd.	Pavement Pulverized	\$ 1.90	\$ 14,282.30	\$ 0.84	\$ 6,314.28	\$ 1.10	\$ 8,268.70	\$ 0.65	\$ 4,886.05	\$ 1.50	\$ 11,275.50	\$ 1.57	\$ 11,801.69	\$ 1.00	\$ 7,517.00	\$ 1.11	\$ 8,343.87	
203	1371	Cu.Yd.	Excavation	\$ 8.00	\$ 10,968.00	\$ 8.00	\$ 10,968.00	\$ 15.00	\$ 20,565.00	\$ 13.00	\$ 17,823.00	\$ 8.35	\$ 11,447.85	\$ 18.09	\$ 24,801.39	\$ 13.00	\$ 17,823.00	\$ 12.57	\$ 17,238.04	
203	1462	Cu.Yd.	Embankment	\$ 8.00	\$ 11,696.00	\$ 10.00	\$ 14,620.00	\$ 8.00	\$ 11,696.00	\$ 23.00	\$ 33,626.00	\$ 10.50	\$ 15,351.00	\$ 11.49	\$ 16,798.38	\$ 11.50	\$ 16,813.00	\$ 12.42	\$ 18,150.73	
204	8235	Sq.Yd.	Subgrade Compaction	\$ 1.00	\$ 8,235.00	\$ 0.60	\$ 4,941.00	\$ 0.50	\$ 4,117.50	\$ 1.00	\$ 8,235.00	\$ 0.65	\$ 5,352.75	\$ 0.50	\$ 4,117.50	\$ 0.75	\$ 6,176.25	\$ 0.67	\$ 5,490.00	
204	3	Hour	Proof Rolling, As Per Plan	\$ 100.00	\$ 300.00	\$ 70.00	\$ 210.00	\$ 150.00	\$ 450.00	\$ 150.00	\$ 450.00	\$ 75.00	\$ 225.00	\$ 100.00	\$ 300.00	\$ 105.00	\$ 315.00	\$ 108.33	\$ 325.00	
204	100	Cu.Yd.	Excavation of Subgrade As Directed	\$ 15.00	\$ 1,500.00	\$ 10.00	\$ 1,000.00	\$ 40.00	\$ 4,000.00	\$ 10.00	\$ 1,000.00	\$ 10.50	\$ 1,050.00	\$ 10.00	\$ 1,000.00	\$ 16.00	\$ 1,600.00	\$ 16.08	\$ 1,608.33	
204	100	Cu.Yd.	Granular Material Type B As Directed	\$ 45.00	\$ 4,500.00	\$ 45.00	\$ 4,500.00	\$ 35.00	\$ 3,500.00	\$ 16.90	\$ 1,690.00	\$ 46.50	\$ 4,650.00	\$ 49.40	\$ 4,940.00	\$ 37.00	\$ 3,700.00	\$ 38.30	\$ 3,830.00	
204	300	Sq.Yd.	Geotextile Fabric As Directed	\$ 4.00	\$ 1,200.00	\$ 2.00	\$ 600.00	\$ 1.00	\$ 300.00	\$ 2.00	\$ 600.00	\$ 2.10	\$ 630.00	\$ 1.80	\$ 540.00	\$ 1.60	\$ 480.00	\$ 1.75	\$ 525.00	
606	112.5	Foot	Guardrail, Type MGS 9' Posts	\$ 18.00	\$ 2,025.00	\$ 25.40	\$ 2,857.50	\$ 35.00	\$ 3,937.50	\$ 17.80	\$ 2,025.50	\$ 25.00	\$ 2,812.50	\$ 24.40	\$ 2,745.00	\$ 26.00	\$ 2,925.00	\$ 25.60	\$ 2,880.00	
606	1	Each	Anchor Assembly, Type T	\$ 750.00	\$ 750.00	\$ 865.00	\$ 865.00	\$ 1,500.00	\$ 1,500.00	\$ 750.00	\$ 750.00	\$ 850.00	\$ 850.00	\$ 1,075.00	\$ 1,075.00	\$ 870.00	\$ 870.00	\$ 985.00	\$ 985.00	
861	300	Sq.Yd.	Geogrid For Subgrade Stabilization AD	\$ 8.00	\$ 2,400.00	\$ 2.50	\$ 750.00	\$ 1.75	\$ 525.00	\$ 2.00	\$ 600.00	\$ 2.55	\$ 765.00	\$ 3.60	\$ 1,080.00	\$ 4.00	\$ 1,200.00	\$ 2.73	\$ 820.00	
623	1	Each	Monument Assemblies	\$ 600.00	\$ 600.00	\$ 550.00	\$ 550.00	\$ 350.00	\$ 350.00	\$ 375.00	\$ 375.00	\$ 600.00	\$ 600.00	\$ 730.00	\$ 730.00	\$ 885.00	\$ 885.00	\$ 581.67	\$ 581.67	
Spec.	Lump	Lump	Mailbox, Remove & Reinstall	\$ 75.00	\$ 75.00	\$ 200.00	\$ 200.00	\$ 100.00	\$ 100.00	\$ 1,000.00	\$ 1,000.00	\$ 225.00	\$ 225.00	\$ 200.00	\$ 200.00	\$ 310.00	\$ 310.00	\$ 339.17	\$ 339.17	
				<b>SUBTOTAL</b>	<b>\$63,643.30</b>		\$ 50,511.78		\$ 65,477.70		\$ 77,597.55		\$ 58,084.60		\$ 75,584.96		\$ 65,622.25		\$ 65,479.81	
<b>EROSION CONTROL</b>																				
601	50	Cu.Yd.	Rock Channel Protection, Type C w/o filter	\$ 60.00	\$ 3,000.00	\$ 80.00	\$ 4,000.00	\$ 75.00	\$ 3,750.00	\$ 60.00	\$ 3,000.00	\$ 85.00	\$ 4,250.00	\$ 86.40	\$ 4,320.00	\$ 70.00	\$ 3,500.00	\$ 76.07	\$ 3,803.33	
659	9146	Sq.Yd.	Seeding & Mulching	\$ 1.00	\$ 9,146.00	\$ 1.20	\$ 10,975.20	\$ 0.90	\$ 8,231.40	\$ 1.00	\$ 9,146.00	\$ 1.25	\$ 11,432.50	\$ 1.30	\$ 11,889.80	\$ 1.50	\$ 13,719.00	\$ 1.19	\$ 10,898.98	
				<b>SUBTOTAL</b>	<b>\$12,146.00</b>		\$ 14,975.20		\$ 11,981.40		\$ 12,146.00		\$ 15,682.50		\$ 16,209.80		\$ 17,219.00		\$ 14,702.32	
<b>DRAINAGE</b>																				
603	50	Foot	6" Conduit, Type "C" Item 707.33 As Directed	\$ 10.00	\$ 500.00	\$ 9.00	\$ 450.00	\$ 15.00	\$ 750.00	\$ 30.00	\$ 1,500.00	\$ 9.35	\$ 467.50	\$ 7.00	\$ 350.00	\$ 21.00	\$ 1,050.00	\$ 15.23	\$ 761.25	
603	50	Foot	8" Conduit, Type "C" Item 707.33 As Directed	\$ 12.00	\$ 600.00	\$ 12.00	\$ 600.00	\$ 15.00	\$ 750.00	\$ 35.00	\$ 1,750.00	\$ 12.50	\$ 625.00	\$ 13.00	\$ 650.00	\$ 23.00	\$ 1,150.00	\$ 18.42	\$ 920.83	
603	60	Foot	12" Conduit, Type "B" Item 707.33 As Directed	\$ 22.00	\$ 1,320.00	\$ 24.00	\$ 1,440.00	\$ 40.00	\$ 2,400.00	\$ 49.00	\$ 2,940.00	\$ 24.50	\$ 1,470.00	\$ 25.00	\$ 1,500.00	\$ 30.00	\$ 1,800.00	\$ 32.08	\$ 1,925.00	
603	50	Foot	12" Conduit, Type "C" Item 707.33 Perf. As Directed	\$ 22.00	\$ 1,100.00	\$ 23.00	\$ 1,150.00	\$ 25.00	\$ 1,250.00	\$ 40.00	\$ 2,000.00	\$ 23.50	\$ 1,175.00	\$ 20.00	\$ 1,000.00	\$ 26.00	\$ 1,300.00	\$ 26.25	\$ 1,312.50	
603	120	Foot	12" Conduit, Type "D" Item 707.33	\$ 22.00	\$ 2,640.00	\$ 24.00	\$ 2,880.00	\$ 25.00	\$ 3,000.00	\$ 60.00	\$ 7,200.00	\$ 24.50	\$ 2,940.00	\$ 25.00	\$ 3,000.00	\$ 23.00	\$ 2,760.00	\$ 30.25	\$ 3,630.00	
603	30	Foot	30" Conduit, Type "B" Item 707.33 As Directed	\$ 50.00	\$ 1,500.00	\$ 85.00	\$ 2,550.00	\$ 125.00	\$ 3,750.00	\$ 75.00	\$ 2,250.00	\$ 87.00	\$ 2,610.00	\$ 150.00	\$ 4,500.00	\$ 82.00	\$ 2,460.00	\$ 100.67	\$ 3,020.00	
604	1	Each	Catch Basin, Type 2-2B As Directed	\$ 1,000.00	\$ 1,000.00	\$ 950.00	\$ 950.00	\$ 1,000.00	\$ 1,000.00	\$ 1,800.00	\$ 1,800.00	\$ 975.00	\$ 975.00	\$ 880.00	\$ 880.00	\$ 1,100.00	\$ 1,100.00	\$ 1,117.50	\$ 1,117.50	
604	1	Each	Side Ditch Catch Basin #7 As Directed	\$ 700.00	\$ 700.00	\$ 800.00	\$ 800.00	\$ 500.00	\$ 500.00	\$ 900.00	\$ 900.00	\$ 835.00	\$ 835.00	\$ 560.00	\$ 560.00	\$ 825.00	\$ 825.00	\$ 736.67	\$ 736.67	
				<b>SUBTOTAL</b>	<b>\$9,360.00</b>		\$ 10,820.00		\$ 13,400.00		\$ 20,340.00		\$ 11,097.50		\$ 12,440.00		\$ 12,445.00		\$ 13,423.75	
<b>PAVEMENT</b>																				
304	1404	Cu.Yd.	Aggregate Base 6" Min.	\$ 43.00	\$ 60,372.00	\$ 38.00	\$ 53,352.00	\$ 30.00	\$ 42,120.00	\$ 16.05	\$ 22,534.20	\$ 42.00	\$ 58,968.00	\$ 35.72	\$ 50,150.88	\$ 37.25	\$ 52,299.00	\$ 33.17	\$ 46,570.68	
407	874	Gal.	Tack Coat	\$ 2.50	\$ 2,185.00	\$ 1.95	\$ 1,704.30	\$ 4.00	\$ 3,496.00	\$ 2.00	\$ 1,748.00	\$ 1.95	\$ 1,704.30	\$ 1.90	\$ 1,660.60	\$ 2.05	\$ 1,791.70	\$ 2.31	\$ 2,017.48	
408	3194	Gal.	Prime Coat	\$ 2.50	\$ 7,985.00	\$ 2.25	\$ 7,186.50	\$ 0.01	\$ 31.94	\$ 2.00	\$ 6,388.00	\$ 2.25	\$ 7,186.50	\$ 1.90	\$ 6,068.60	\$ 2.40	\$ 7,665.60	\$ 1.80	\$ 5,754.52	
411	95	Cu.Yd.	Stabilized Crushed Aggregate	\$ 40.00	\$ 3,800.00	\$ 45.00	\$ 4,275.00	\$ 45.00	\$ 4,275.00	\$ 50.00	\$ 4,750.00	\$ 46.00	\$ 4,370.00	\$ 30.00	\$ 2,850.00	\$ 60.00	\$ 5,700.00	\$ 46.00	\$ 4,370.00	
441	669	Cu.Yd.	Asphalt Conc. Inter. Crse., Type 2 Modified (448)	\$ 130.00	\$ 86,970.00	\$ 123.90	\$ 82,889.10	\$ 130.00	\$ 86,970.00	\$ 125.00	\$ 83,625.00	\$ 118.00	\$ 78,942.00	\$ 126.48	\$ 84,615.12	\$ 126.00	\$ 84,294.00	\$ 124.90	\$ 83,555.87	
441	369	Cu.Yd.	Asphalt Conc. Surf. Crse., Type 1 Modified (448)	\$ 140.00	\$ 51,660.00	\$ 150.00	\$ 55,350.00	\$ 139.00	\$ 51,291.00	\$ 145.00	\$ 53,505.00	\$ 144.00	\$ 53,136.00	\$ 144.00	\$ 53,136.00	\$ 151.00	\$ 55,719.00	\$ 145.50	\$ 53,689.50	
				<b>SUBTOTAL</b>	<b>\$212,972.00</b>		\$ 204,756.90		\$ 188,183.94		\$ 172,550.20		\$ 204,306.80		\$ 198,481.20		\$ 207,469.30		\$ 195,958.06	
<b>TRAFFIC CONTROL</b>																				
614	Lump	Lump	Maintaining Traffic	\$ 4,000.00	\$ 4,000.00	\$ 1,650.00	\$ 1,650.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 1,000.00	\$ 1,000.00	\$ 3,800.00	\$ 3,800.00	\$ 2,741.67	\$ 2,741.67	
630	Lump	Lump	Removal Ground Mounted Sign & Reerect.	\$ 100.00	\$ 100.00	\$ 250.00	\$ 250.00	\$ 350.00	\$ 350.00	\$ 2,000.00	\$ 2,000.00	\$ 255.00	\$ 255.00	\$ 500.00	\$ 500.00	\$ 300.00	\$ 300.00	\$ 609.17	\$ 609.17	
642	1.46	Mile	Edge Line, 4 Inch, Type 1	\$ 1,500.00	\$ 2,190.00	\$ 790.00	\$ 1,153.40	\$ 1,400.00	\$ 2,044.00	\$ 750.00	\$ 1,095.00	\$ 765.00	\$ 1,116.90	\$ 1,431.51	\$ 2,090.00	\$ 1,533.00	\$ 1,031.09	\$ 1,505.38		
642	0.73	Mile	Center Line, Type 1	\$ 1,000.00	\$ 730.00	\$ 1,155.00	\$ 843.15	\$ 1,400.00	\$ 1,022.00	\$ 1,100.00	\$ 803.00	\$ 1,125.00	\$ 821.25	\$ 1,575.34	\$ 1,500.00	\$ 1,050.00	\$ 766.50	\$ 1,234.22	\$ 900.98	
Spec.	Lump	Lump	Railroad Insurance	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	
				<b>SUBTOTAL</b>	<b>\$12,020.00</b>		\$ 8,896.55		\$ 10,416.00		\$ 13,898.00		\$ 10,193.15		\$ 9,740.00		\$ 11,399.50		\$ 10,757.20	
<b>MISC.</b>																				
623	Lump	Lump	Construction Layout Stakes & Surveying	\$ 3,000.00	\$ 3,000.00	\$ 3,600.00	\$ 3,600.00	\$ 4,500.00	\$ 4,500.00	\$ 13,000.00	\$ 13,000.00	\$ 4,500.00	\$ 4,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,025.00	\$ 5,025.00	\$ 5,520.83	\$ 5,520.83	
624	Lump	Lump	Mobilization	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00	\$ 4,000.00	\$ 4,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00	\$ 8,725.00	\$ 8,725.00	\$ 5,204.17	\$ 5,204.17	
				<b>SUBTOTAL</b>	<b>\$8,000.00</b>		\$ 9,600.00		\$ 14,500.00		\$ 17,000.00		\$ 5,500.00		\$ 4,000.00		\$ 13,750.00		\$ 10,725.00	
				<b>TOTAL</b>	<b>\$318,141.30</b>		\$299,560.43		\$303,959.04		\$313,531.75		\$304,864.55		\$316,455.96		\$327,905.05		\$311,046.13	
				<b>CONTINGENCIES</b>	<b>15,623.32</b>		15,623.32		15,623.32		15,623.32		15,623.32		15,623.32		15,623.32		15,623.32	
				<b>GRAND TOTAL</b>	<b>\$333,764.62</b>		\$315,183.75		\$319,582.36		\$329,155.07		\$320,487.87		\$332,079.28		\$343,528.37			