

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. H.M. Miller		2. Vito Gironda Construction		3. Don Wartko Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	105.03	Contract Performance Bond	1	L.S	50000	\$50,000.00	\$13,000.00	\$13,000.00	\$15,000.00	\$15,000.00	\$11,000.00	\$11,000.00
Roadway												
2	201	Concrete Base Removed	1	Lump	\$30,000.00	\$30,000.00	\$15,000.00	\$15,000.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00
3	202	Pavement Removed, Asphalt	137	Sq. Yd.	\$3.46	\$474.11	\$5.00	\$685.00	\$15.00	\$2,055.00	\$10.00	\$1,370.00
4	202	Guardrail Removed	362.5	Ft.	\$1.44	\$521.35	\$2.50	\$906.25	\$2.00	\$725.00	\$1.00	\$362.50
5	202	Pipe Removed, 24" and under	1,279	Ft.	\$11.31	\$14,471.44	\$1.00	\$1,279.00	\$2.00	\$2,558.00	\$12.00	\$15,348.00
6	202	Catch Basin Removed	4	Each	\$287.46	\$1,149.85	\$200.00	\$800.00	\$300.00	\$1,200.00	\$150.00	\$600.00
7	203	Excavation Including existing pavement	6,837	Cu. Yd.	\$4.65	\$31,803.70	\$8.00	\$54,696.00	\$10.00	\$68,370.00	\$9.00	\$61,533.00
8	203	Embankment	5,444	Cu. Yd.	\$2.76	\$15,047.52	\$4.15	\$22,592.60	\$12.00	\$65,328.00	\$5.00	\$27,220.00
9	204	Subgrade Compaction	12,553	Sq. Yd.	\$1.39	\$17,489.64	\$1.58	\$19,833.74	\$1.00	\$12,553.00	\$1.00	\$12,553.00
10	204	Proof Rolling	5	Hour	\$151.12	\$755.62	\$150.00	\$750.00	\$100.00	\$500.00	\$150.00	\$750.00
11	204	Excavation of Subgrade	500	Cu. Yd.	\$7.87	\$3,932.60	\$5.00	\$2,500.00	\$10.00	\$5,000.00	\$12.00	\$6,000.00
12	204	Granular Material, Type B	500	Cu. Yd.	\$23.60	\$11,797.80	\$12.60	\$6,300.00	\$30.00	\$15,000.00	\$36.00	\$18,000.00
13	204	Geotextile Fabric	200	Sq. Yd.	\$1.24	\$247.19	\$1.50	\$300.00	\$1.00	\$200.00	\$2.00	\$400.00
14	606	Guardrail, Type 5	275	Ft.	\$11.79	\$3,241.31	\$18.95	\$5,211.25	\$20.00	\$5,500.00	\$20.00	\$5,500.00
15	606	Anchor Assembly, Type E	1	Each	\$1,828.73	\$1,828.73	\$2,845.00	\$2,845.00	\$3,000.00	\$3,000.00	\$2,900.00	\$2,900.00
16	606	Anchor Assembly, Type T	3	Each	\$597.11	\$1,791.34	\$800.00	\$2,400.00	\$900.00	\$2,700.00	\$800.00	\$2,400.00
17	606	Anchor Assembly, Type A	1	Each	\$758.50	\$758.50	\$1,150.00	\$1,150.00	\$1,300.00	\$1,300.00	\$1,150.00	\$1,150.00
18	609	Curb, Type 6	385	Ft.	\$13.48	\$5,191.03	\$13.80	\$5,313.00	\$15.00	\$5,775.00	\$20.00	\$7,700.00
19	609	Combination Curb and Gutter, Type 2	156	Ft.	\$15.25	\$2,378.57	\$16.90	\$2,636.40	\$18.00	\$2,808.00	\$20.00	\$3,120.00
20	Special	Mailbox Support, Single	1	Each	\$112.36	\$112.36	\$250.00	\$250.00	\$100.00	\$100.00	\$100.00	\$100.00
21	Special	Mailbox Support, Double	1	Each	\$134.83	\$134.83	\$300.00	\$300.00	\$200.00	\$200.00	\$125.00	\$125.00
Erosion Control												
22	601	Rock Channel Protection, Type C w/Filter	1	Cu. Yd.	\$55.84	\$55.84	\$175.00	\$175.00	\$100.00	\$100.00	\$70.00	\$70.00
23	601	Rock Channel Protection, Type B w/o Filter	147	Cu. Yd.	\$58.53	\$8,603.66	\$60.00	\$8,820.00	\$65.00	\$9,555.00	\$65.00	\$9,555.00
24	657	Riprap for Tree Protection	10	Sq. Yd.	\$168.54	\$1,685.40	\$20.00	\$200.00	\$50.00	\$500.00	\$75.00	\$750.00
25	659	Seeding and Mulching	6,195	Sq. Yd.	\$0.73	\$4,524.46	\$2.00	\$12,390.00	\$2.50	\$15,487.50	\$1.00	\$6,195.00
26	659	Commercial Fertilizer	1.0	Ton	\$365.24	\$365.24	\$400.00	\$400.00	\$420.00	\$420.00	\$150.00	\$150.00
27	659	Lime	1.28	Acre	\$71.89	\$92.02	\$20.00	\$25.60	\$22.00	\$28.16	\$500.00	\$640.00
28	659	Water	67	M. Gal.	\$4.22	\$283.06	\$2.00	\$134.00	\$2.10	\$140.70	\$1.00	\$67.00
29	659	Mowing	14	M.Sq.Ft.	\$1.62	\$22.65	\$1.00	\$14.00	\$1.00	\$14.00	\$10.00	\$140.00
30	659	Repair Seeding and Mulching	310	Sq. Yd.	\$0.29	\$90.56	\$0.25	\$77.50	\$0.30	\$93.00	\$2.50	\$775.00
31	670	Ditch Erosion Protection	593	Sq. Yd.	\$1.63	\$966.13	\$2.00	\$1,186.00	\$2.20	\$1,304.60	\$5.00	\$2,965.00
Drainage												
32	602	Concrete Masonry	0.39	Cu. Yd.	\$824.59	\$321.59	\$1,000.00	\$390.00	\$2,000.00	\$780.00	\$1,500.00	\$585.00
33	603	4" Conduit, Type F	289	Ft.	\$11.13	\$3,217.98	\$15.00	\$4,335.00	\$8.00	\$2,312.00	\$6.00	\$1,734.00
34	603	6" Conduit, Type B, for drainage connection	100	Ft.	\$16.08	\$1,607.87	\$35.00	\$3,500.00	\$12.00	\$1,200.00	\$12.00	\$1,200.00

35	603	6" Conduit, Type C	50	Ft.	\$13.06	\$652.81	\$17.00	\$850.00	\$11.00	\$550.00	\$10.00	\$500.00
36	603	6" Conduit, Type C, for drainage connection	100	Ft.	\$13.06	\$1,305.62	\$17.00	\$1,700.00	\$11.00	\$1,100.00	\$10.00	\$1,000.00
37	603	12" Conduit, Type B	40	Ft.	\$43.16	\$1,726.30	\$60.90	\$2,436.00	\$50.00	\$2,000.00	\$45.00	\$1,800.00
38	603	12" Conduit, Type C	127	Ft.	\$35.74	\$4,539.20	\$55.65	\$7,067.55	\$40.00	\$5,080.00	\$40.00	\$5,080.00
39	603	21" Conduit, Type B	250	Ft.	\$60.93	\$15,233.21	\$74.97	\$18,742.50	\$75.00	\$18,750.00	\$65.00	\$16,250.00
40	603	21" Conduit, Type C	1,022	Ft.	\$46.74	\$47,770.08	\$72.17	\$73,757.74	\$65.00	\$66,430.00	\$55.00	\$56,210.00
41	604	Manhole, No. 3 (City to provide Castings)	3	Each	\$2,436.34	\$7,309.01	\$1,069.67	\$3,209.01	\$2,000.00	\$6,000.00	\$2,000.00	\$6,000.00
42	604	Manhole Reconstructed to Grade	2	Each	\$1,252.05	\$2,504.10	\$875.00	\$1,750.00	\$1,000.00	\$2,000.00	\$5,000.00	\$10,000.00
43	604	Catch Basin, No. 3 (City to provide Castings)	1	Each	\$2,324.64	\$2,324.64	\$1,050.00	\$1,050.00	\$1,800.00	\$1,800.00	\$1,800.00	\$1,800.00
44	604	Catch Basin, No. 2-3 (City to provide Castings)	2	Each	\$1,447.87	\$2,895.74	\$870.00	\$1,740.00	\$1,800.00	\$3,600.00	\$900.00	\$1,800.00
45	604	Precast Reinforced Concrete Outlet	5	Each	\$217.19	\$1,085.96	\$350.00	\$1,750.00	\$250.00	\$1,250.00	\$175.00	\$875.00
46	604	Inspection Well	1	Each	\$520.02	\$520.02	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$600.00	\$600.00
47	604	Special - Miscellaneous Metal	1,000	Lbs.	\$1.18	\$1,179.78	\$0.60	\$600.00	\$0.25	\$250.00	\$1.25	\$1,250.00
48	605	4" Unclassified Pipe Underdrain	521	Ft.	\$4.89	\$2,546.47	\$7.64	\$3,980.44	\$2.00	\$1,042.00	\$6.25	\$3,256.25
49	605	4" Base Pipe Underdrains	5,522	Ft.	\$3.74	\$20,661.05	\$6.41	\$35,396.02	\$2.00	\$11,044.00	\$6.00	\$33,132.00

Pavement

50	301	Asphalt Concrete Base, PG64-22	2,864	Cu. Yd.	\$71.92	\$205,983.57	\$64.60	\$185,014.40	\$65.00	\$186,160.00	\$72.00	\$206,208.00
51	304	Aggregate Base	2,010	Cu. Yd.	\$31.18	\$62,671.60	\$31.20	\$62,712.00	\$45.00	\$90,450.00	\$36.00	\$72,360.00
52	407	Tack Coat For Intermediate Course	1,868	Gal.	\$1.12	\$2,098.88	\$1.00	\$1,868.00	\$1.10	\$2,054.80	\$1.00	\$1,868.00
53	408	Prime Coat	5,686	Gal.	\$1.69	\$9,583.18	\$2.55	\$14,499.30	\$2.65	\$15,067.90	\$1.40	\$7,960.40
54	448	1 1/4" Asphalt Concrete Surface Course, Type 1, PG64-22	477	Cu. Yd.	\$76.82	\$36,643.39	\$78.50	\$37,444.50	\$81.00	\$38,637.00	\$90.00	\$42,930.00
55	448	1 3/4" Asphalt Concrete Intermediate Course, Type 2, PG64-22	667	Cu. Yd.	\$80.65	\$53,794.89	\$68.00	\$45,356.00	\$72.00	\$48,024.00	\$75.00	\$50,025.00
56	452	7" Non-Reinforced Concrete Pavement	138	Sq. Yd.	\$44.70	\$6,168.16	\$41.90	\$5,782.20	\$45.00	\$6,210.00	\$50.00	\$6,900.00
57	Special	Brick Drive	113	Sq. Ft.	\$6.74	\$761.80	\$31.00	\$3,503.00	\$20.00	\$2,260.00	\$10.00	\$1,130.00

Water Work

58	604	Manhole Reconstructed to Grade	1	Each	\$2,247.20	\$2,247.20	\$875.00	\$875.00	\$1,500.00	\$1,500.00	\$4,000.00	\$4,000.00
59	638	16" D.I.P., ANSI Cl. 53, Push-on Joints and Fittings, A.P.P.	703	Ft.	\$84.27	\$59,241.81	\$73.14	\$51,417.42	\$85.00	\$59,755.00	\$80.00	\$56,240.00
60	638	16" Gate Valve and Valve Box, As Per Plan	2	Each	\$3,932.60	\$7,865.20	\$3,800.00	\$7,600.00	\$2,000.00	\$4,000.00	\$4,000.00	\$8,000.00
61	638	Valve Box Adjusted to Grade, As Per Plan A	7	Each	\$295.84	\$2,070.91	\$250.00	\$1,750.00	\$200.00	\$1,400.00	\$125.00	\$875.00
62	638	Valve Box Adjusted to Grade, As Per Plan B	1	Each	\$786.52	\$786.52	\$250.00	\$250.00	\$1,000.00	\$1,000.00	\$750.00	\$750.00
63	638	Valve and Valve Box Removed, A.P.P.	1	Each	\$337.08	\$337.08	\$375.00	\$375.00	\$1,500.00	\$1,500.00	\$750.00	\$750.00
64	638	Fire Hydrant Adjusted to Grade, As Per Plan	4	Each	\$898.88	\$3,595.52	\$1,200.00	\$4,800.00	\$750.00	\$3,000.00	\$2,000.00	\$8,000.00
65	638	Fire Hydrant Extended and Adjusted to Grade, As Per Plan	1	Each	\$1,235.96	\$1,235.96	\$2,475.00	\$2,475.00	\$5,000.00	\$5,000.00	\$3,000.00	\$3,000.00
66	638	Fire Hydrant and Gate Valve Removed and Reset, A.P.P.	2	Each	\$2,247.20	\$4,494.40	\$1,787.00	\$3,574.00	\$5,000.00	\$10,000.00	\$3,000.00	\$6,000.00
67	638	1" Copper Service Branch, Long	1	Each	\$1,685.40	\$1,685.40	\$1,100.00	\$1,100.00	\$2,500.00	\$2,500.00	\$2,200.00	\$2,200.00
68	638	Water Work, Misc.: Valve and Valve Box Removed and Reset	1	Each	\$674.16	\$674.16	\$817.00	\$817.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00
69	638	Water Work, Misc.: Existing Water Main Abandoned	1	Lump	\$5,618.00	\$5,618.00	\$9,780.00	\$9,780.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00

Traffic Control

70	630	Ground Mounted Support, No. 3 Post	61	Ft.	\$6.46	\$394.10	\$5.00	\$305.00	\$5.50	\$335.50	\$5.00	\$305.00
71	630	Ground Mounted Support, No. 2 Post	120	Ft.	\$5.98	\$717.31	\$5.00	\$600.00	\$5.50	\$660.00	\$5.00	\$600.00
72	630	Sign, Flat Sheet	77	Sq. Ft.	\$11.57	\$891.13	\$15.00	\$1,155.00	\$15.50	\$1,193.50	\$15.00	\$1,155.00
73	630	Sign, Double Faced, Street Name	2	Each	\$101.91	\$203.82	\$100.00	\$200.00	\$110.00	\$220.00	\$100.00	\$200.00
74	630	Sign Support Assembly, Pole Mounted	2	Each	\$112.36	\$224.72	\$250.00	\$500.00	\$275.00	\$550.00	\$300.00	\$600.00
75	630	Signing Misc.: Reflective Panel	2	Sq. Ft.	\$11.57	\$23.15	\$100.00	\$200.00	\$16.00	\$32.00	\$50.00	\$100.00
76	630	Removal of Ground Mounted Sign and Disposal Removal of Ground Mounted Post Support and	15	Each	\$9.81	\$147.14	\$10.00	\$150.00	\$11.00	\$165.00	\$10.00	\$150.00
77	630	Disposal	13	Each	\$12.33	\$160.24	\$22.50	\$292.50	\$23.00	\$299.00	\$10.00	\$130.00
78	642	Edge Line, Type 1	0.75	Mile	\$651.69	\$488.77	\$800.00	\$600.00	\$1,250.00	\$937.50	\$800.00	\$600.00
79	642	Center Line, Type 1	0.62	Mile	\$842.70	\$522.47	\$1,200.00	\$744.00	\$1,900.00	\$1,178.00	\$1,200.00	\$744.00
80	642	Lane Line, Type 1	0.01	Mile	\$11,236.00	\$112.36	\$600.00	\$6.00	\$950.00	\$9.50	\$600.00	\$6.00
81	642	Channelizing Line, Type 1	1,185	Ft.	\$0.67	\$798.88	\$0.50	\$592.50	\$0.65	\$770.25	\$0.60	\$711.00
82	642	Stop Line, Type 1	30	Ft.	\$4.92	\$147.64	\$3.00	\$90.00	\$3.10	\$93.00	\$3.00	\$90.00
83	642	Island Marking, Type 1	63	Sq. Ft.	\$1.76	\$111.14	\$3.00	\$189.00	\$2.20	\$138.60	\$3.00	\$189.00
84	642	Lane Arrow, Type 1	13	Each	\$57.44	\$746.70	\$50.00	\$650.00	\$42.00	\$546.00	\$50.00	\$650.00
Traffic Signals												
85	625	Conduit, 725.04, 2"	676	Ft.	\$5.62	\$3,797.77	\$8.25	\$5,577.00	\$8.25	\$5,577.00	\$7.00	\$4,732.00
86	625	Conduit, 725.04, 3"	221	Ft.	\$6.74	\$1,489.89	\$14.20	\$3,138.20	\$14.20	\$3,138.20	\$12.00	\$2,652.00
87	625	Trench	897	Ft.	\$5.62	\$5,039.35	\$5.50	\$4,933.50	\$5.50	\$4,933.50	\$3.50	\$3,139.50
88	625	Pull Box, 725.08, 18"	7	Each	\$674.16	\$4,719.12	\$430.00	\$3,010.00	\$430.00	\$3,010.00	\$455.00	\$3,185.00
89	625	Pull Box, 725.08, 24"	1	Each	\$786.52	\$786.52	\$575.00	\$575.00	\$575.00	\$575.00	\$550.00	\$550.00
90	625	Ground Rod	2	Each	\$134.83	\$269.66	\$110.00	\$220.00	\$110.00	\$220.00	\$125.00	\$250.00
91	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 1- Way, A.P.P.	4	Each	\$337.08	\$1,348.32	\$280.00	\$1,120.00	\$280.00	\$1,120.00	\$250.00	\$1,000.00
92	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 2- Way, A.P.P.	1	Each	\$674.16	\$674.16	\$465.00	\$465.00	\$465.00	\$465.00	\$415.00	\$415.00
93	632	Covering of Vehicular Signal Head	6	Each	\$28.09	\$168.54	\$30.00	\$180.00	\$30.00	\$180.00	\$10.00	\$60.00
94	632	Detector Loop	5	Each	\$1,348.32	\$6,741.60	\$875.00	\$4,375.00	\$875.00	\$4,375.00	\$800.00	\$4,000.00
95	632	Loop Detector Unit, Delay and Extension Type, A.P.P. Messenger Wire, 7 Strand, 3/8" Diameter	5	Each	\$280.90	\$1,404.50	\$138.00	\$690.00	\$138.00	\$690.00	\$130.00	\$650.00
96	632	w/Accessories	109	Ft.	\$7.87	\$857.31	\$13.50	\$1,471.50	\$13.50	\$1,471.50	\$7.00	\$763.00
97	632	Signal Cable, 5 Conductor, No. 14 AWG	210	Ft.	\$2.25	\$471.91	\$1.20	\$252.00	\$1.20	\$252.00	\$1.35	\$283.50
98	632	Signal Cable, 7 Conductor, No. 14 AWG	92	Ft.	\$2.81	\$258.43	\$1.35	\$124.20	\$1.35	\$124.20	\$1.45	\$133.40
99	632	Strain Pole Foundation	2	Each	\$2,247.20	\$4,494.40	\$1,650.00	\$3,300.00	\$1,650.00	\$3,300.00	\$1,800.00	\$3,600.00
100	632	Strain Pole, Type TC-81.10, Design 7	2	Each	\$3,595.52	\$7,191.04	\$3,195.00	\$6,390.00	\$3,195.00	\$6,390.00	\$3,200.00	\$6,400.00
101	632	Loop Detector Lead-in Cable	1,011	Ft.	\$2.25	\$2,271.92	\$1.15	\$1,162.65	\$1.15	\$1,162.65	\$1.15	\$1,162.65
102	632	Power Cable, 3 Conductor, No. 4 AWG	100	Ft.	\$2.81	\$280.90	\$3.00	\$300.00	\$3.00	\$300.00	\$2.00	\$200.00
103	632	Power Service, As Per Plan	1	Each	\$1,685.40	\$1,685.40	\$975.00	\$975.00	\$975.00	\$975.00	\$1,000.00	\$1,000.00
104	632	Removal of Traffic Signal Installation Controller Unit, Type TS-2/A2 with Cabinet, Type TS-1	1	Each	\$1,685.40	\$1,685.40	\$3,300.00	\$3,300.00	\$3,300.00	\$3,300.00	\$1,500.00	\$1,500.00
105	633	8 Phase, As Per Plan	1	Each	\$11,236.00	\$11,236.00	\$5,125.00	\$5,125.00	\$5,125.00	\$5,125.00	\$5,250.00	\$5,250.00
106	633	Controller Work Pad	1	Each	\$224.72	\$224.72	\$100.00	\$100.00	\$100.00	\$100.00	\$250.00	\$250.00
107	Special	Plastic Caution Tape	897	Ft.	\$0.56	\$503.93	\$0.40	\$358.80	\$0.40	\$358.80	\$0.25	\$224.25

Structures

108	202	Portions of Structure Removed(Wingwalls and Footings)	1	Lump	\$30,000.00	\$30,000.00	\$11,120.00	\$11,120.00	\$8,000.00	\$8,000.00	\$7,500.00	\$7,500.00
109	503	Cofferdams, Cribs, and Sheeting	1	Lump	\$20,000.00	\$20,000.00	\$1.00	\$1.00	\$8,000.00	\$8,000.00	\$5,000.00	\$5,000.00
110	503	Unclassified Excavation, As Per Plan	394	Cu. Yd.	\$39.33	\$15,494.44	\$29.29	\$11,540.26	\$20.00	\$7,880.00	\$18.00	\$7,092.00
111	511	Class C Concrete, As Per Plan	149	Cu. Yd.	\$561.80	\$83,708.20	\$375.00	\$55,875.00	\$400.00	\$59,600.00	\$500.00	\$74,500.00
112	512	Sealing of Concrete Surfaces (Epoxy Urethane)	97	Sq. Yd.	\$13.48	\$1,307.87	\$24.00	\$2,328.00	\$10.00	\$970.00	\$20.00	\$1,940.00
113	512	Type 2 Waterproofing	64	Sq. Yd.	\$15.73	\$1,006.75	\$18.00	\$1,152.00	\$10.00	\$640.00	\$20.00	\$1,280.00
114	518	Porous Backfill with Filter Fabric	25	Cu. Yd.	\$61.80	\$1,544.95	\$50.00	\$1,250.00	\$10.00	\$250.00	\$50.00	\$1,250.00
115	603	12' x 6' Conduit, Type A, 706.05, ASTM-C 789, As Per Plan	16	Ft.	\$898.88	\$14,382.08	\$450.00	\$7,200.00	\$475.00	\$7,600.00	\$1,400.00	\$22,400.00

Maintenance of Traffic

116	614	Law Enforcement Officer with Patrol Car	240	Hours	\$42.88	\$10,290.38	\$42.88	\$10,291.20	\$42.88	\$10,291.20	\$42.88	\$10,291.20
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Miscellaneous Items

117	614	Maintaining Traffic	1	Lump	\$25,000.00	\$25,000.00	\$19,080.00	\$19,080.00	\$23,500.00	\$23,500.00	\$9,000.00	\$9,000.00
118	619	Field Office, Type B	12	Mo	\$1,443.40	\$17,320.79	\$1.00	\$12.00	\$100.00	\$1,200.00	\$1,500.00	\$18,000.00
119	623	Construction Layout Stakes	1	Lump	\$7,000.00	\$7,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$12,000.00	\$11,000.00	\$11,000.00
120	624	Mobilization	1	Lump	\$25,000.00	\$25,000.00	\$21,125.00	\$21,125.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
121	832	Storm Water Pollution Prevention Plan	1	Each	\$1,685.40	\$1,685.40	\$1,100.00	\$1,100.00	\$1,000.00	\$1,000.00	\$4,000.00	\$4,000.00
122	833	Erosion Control	1	Each	\$14,606.80	\$14,606.80	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$5,000.00	\$5,000.00

TOTAL CONSTRUCTION COSTS					\$1,126,413.58		\$998,908.73		\$1,053,923.56		\$1,064,590.65
+/- ENGINEER'S ESTIMATE							-11.3%		-6.4%		-5.5%

* Ref number 57 - change initialed but not dated

** Ref number 58 extended amount incorrect in bid book, Ref number 88 change neither initialed nor dated

*** Ref number 9 extended amount incorrect in bid book, Ref number 47 extended amount incorrect in bid book, Ref number 50 - no amount given

BID TAB FOR: Massillon Road (SR 241)

FILE NO. 2005-037-00

BID DATE: February 23, 2006

CODE: B05014-B05014

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	4. Karvo Pavking Company PRICE	4. Karvo Pavking Company AMOUNT	*5. Wenger Excavating PRICE	*5. Wenger Excavating AMOUNT	**6. Cementech Inc PRICE	**6. Cementech Inc AMOUNT
1	105.03	Contract Performance Bond	1	L.S	50000	\$50,000.00	\$9,000.00	\$9,000.00	\$20,624.00	\$20,624.00	\$10,000.00	\$10,000.00
Roadway												
2	201	Concrete Base Removed	1	Lump	\$30,000.00	\$30,000.00	\$6,000.00	\$6,000.00	\$22,172.00	\$22,172.00	\$10,000.00	\$10,000.00
3	202	Pavement Removed, Asphalt	137	Sq. Yd.	\$3.46	\$474.11	\$9.35	\$1,280.95	\$5.00	\$685.00	\$15.00	\$2,055.00
4	202	Guardrail Removed	362.5	Ft.	\$1.44	\$521.35	\$1.60	\$580.00	\$4.25	\$1,540.63	\$15.00	\$5,437.50
5	202	Pipe Removed, 24" and under	1,279	Ft.	\$11.31	\$14,471.44	\$13.00	\$16,627.00	\$2.50	\$3,197.50	\$15.00	\$19,185.00
6	202	Catch Basin Removed	4	Each	\$287.46	\$1,149.85	\$250.00	\$1,000.00	\$250.00	\$1,000.00	\$300.00	\$1,200.00
7	203	Excavation Including existing pavement	6,837	Cu. Yd.	\$4.65	\$31,803.70	\$12.00	\$82,044.00	\$14.25	\$97,427.25	\$12.00	\$82,044.00

8	203	Embankment	5,444	Cu. Yd.	\$2.76	\$15,047.52	\$6.75	\$36,747.00	\$8.50	\$46,274.00	\$9.00	\$48,996.00
9	204	Subgrade Compaction	12,553	Sq. Yd.	\$1.39	\$17,489.64	\$0.90	\$11,297.70	\$0.50	\$6,276.50	\$1.00	\$12,553.00
10	204	Proof Rolling	5	Hour	\$151.12	\$755.62	\$110.00	\$550.00	\$212.00	\$1,060.00	\$110.00	\$550.00
11	204	Excavation of Subgrade	500	Cu. Yd.	\$7.87	\$3,932.60	\$13.50	\$6,750.00	\$12.50	\$6,250.00	\$15.00	\$7,500.00
12	204	Granular Material, Type B	500	Cu. Yd.	\$23.60	\$11,797.80	\$34.00	\$17,000.00	\$32.00	\$16,000.00	\$20.00	\$10,000.00
13	204	Geotextile Fabric	200	Sq. Yd.	\$1.24	\$247.19	\$3.65	\$730.00	\$0.75	\$150.00	\$5.00	\$1,000.00
14	606	Guardrail, Type 5	275	Ft.	\$11.79	\$3,241.31	\$14.80	\$4,070.00	\$19.50	\$5,362.50	\$30.00	\$8,250.00
15	606	Anchor Assembly, Type E	1	Each	\$1,828.73	\$1,828.73	\$2,150.00	\$2,150.00	\$2,208.00	\$2,208.00	\$800.00	\$800.00
16	606	Anchor Assembly, Type T	3	Each	\$597.11	\$1,791.34	\$650.00	\$1,950.00	\$658.00	\$1,974.00	\$800.00	\$2,400.00
17	606	Anchor Assembly, Type A	1	Each	\$758.50	\$758.50	\$825.00	\$825.00	\$832.00	\$832.00	\$800.00	\$800.00
18	609	Curb, Type 6	385	Ft.	\$13.48	\$5,191.03	\$10.50	\$4,042.50	\$18.35	\$7,064.75	\$15.00	\$5,775.00
19	609	Combination Curb and Gutter, Type 2	156	Ft.	\$15.25	\$2,378.57	\$19.00	\$2,964.00	\$19.90	\$3,104.40	\$15.00	\$2,340.00
20	Special	Mailbox Support, Single	1	Each	\$112.36	\$112.36	\$95.00	\$95.00	\$108.00	\$108.00	\$200.00	\$200.00
21	Special	Mailbox Support, Double	1	Each	\$134.83	\$134.83	\$145.00	\$145.00	\$121.00	\$121.00	\$300.00	\$300.00

Erosion Control

22	601	Rock Channel Protection, Type C w/Filter	1	Cu. Yd.	\$55.84	\$55.84	\$290.00	\$290.00	\$129.00	\$129.00	\$265.00	\$265.00
23	601	Rock Channel Protection, Type B w/o Filter	147	Cu. Yd.	\$58.53	\$8,603.66	\$75.00	\$11,025.00	\$86.00	\$12,642.00	\$90.00	\$13,230.00
24	657	Riprap for Tree Protection	10	Sq. Yd.	\$168.54	\$1,685.40	\$110.00	\$1,100.00	\$32.75	\$327.50	\$75.00	\$750.00
25	659	Seeding and Mulching	6,195	Sq. Yd.	\$0.73	\$4,524.46	\$2.35	\$14,558.25	\$1.25	\$7,743.75	\$3.50	\$21,682.50
26	659	Commercial Fertilizer	1.0	Ton	\$365.24	\$365.24	\$400.00	\$400.00	\$556.00	\$556.00	\$300.00	\$300.00
27	659	Lime	1.28	Acre	\$71.89	\$92.02	\$20.00	\$25.60	\$210.00	\$268.80	\$300.00	\$384.00
28	659	Water	67	M. Gal.	\$4.22	\$283.06	\$2.00	\$134.00	\$7.00	\$469.00	\$10.00	\$670.00
29	659	Mowing	14	M.Sq.Ft.	\$1.62	\$22.65	\$1.00	\$14.00	\$9.50	\$133.00	\$30.00	\$420.00
30	659	Repair Seeding and Mulching	310	Sq. Yd.	\$0.29	\$90.56	\$0.25	\$77.50	\$1.00	\$310.00	\$3.00	\$930.00
31	670	Ditch Erosion Protection	593	Sq. Yd.	\$1.63	\$966.13	\$2.00	\$1,186.00	\$4.60	\$2,727.80	\$9.00	\$5,337.00

Drainage

32	602	Concrete Masonry	0.39	Cu. Yd.	\$824.59	\$321.59	\$1,500.00	\$585.00	\$1,220.00	\$475.80	\$1,500.00	\$585.00
33	603	4" Conduit, Type F	289	Ft.	\$11.13	\$3,217.98	\$9.85	\$2,846.65	\$7.60	\$2,196.40	\$10.00	\$2,890.00
34	603	6" Conduit, Type B, for drainage connection	100	Ft.	\$16.08	\$1,607.87	\$9.50	\$950.00	\$9.90	\$990.00	\$15.00	\$1,500.00
35	603	6" Conduit, Type C	50	Ft.	\$13.06	\$652.81	\$9.50	\$475.00	\$9.50	\$475.00	\$15.00	\$750.00
36	603	6" Conduit, Type C, for drainage connection	100	Ft.	\$13.06	\$1,305.62	\$9.50	\$950.00	\$9.50	\$950.00	\$15.00	\$1,500.00
37	603	12" Conduit, Type B	40	Ft.	\$43.16	\$1,726.30	\$41.00	\$1,640.00	\$51.00	\$2,040.00	\$53.00	\$2,120.00
38	603	12" Conduit, Type C	127	Ft.	\$35.74	\$4,539.20	\$29.00	\$3,683.00	\$46.20	\$5,867.40	\$53.00	\$6,731.00
39	603	21" Conduit, Type B	250	Ft.	\$60.93	\$15,233.21	\$52.00	\$13,000.00	\$65.80	\$16,450.00	\$77.00	\$19,250.00
40	603	21" Conduit, Type C	1,022	Ft.	\$46.74	\$47,770.08	\$51.00	\$52,122.00	\$64.00	\$65,408.00	\$77.00	\$78,694.00
41	604	Manhole, No. 3 (City to provide Castings)	3	Each	\$2,436.34	\$7,309.01	\$1,550.00	\$4,650.00	\$1,742.00	\$5,226.00	\$3,300.00	\$9,900.00
42	604	Manhole Reconstructed to Grade	2	Each	\$1,252.05	\$2,504.10	\$970.00	\$1,940.00	\$856.00	\$1,712.00	\$1,500.00	\$3,000.00
43	604	Catch Basin, No. 3 (City to provide Castings)	1	Each	\$2,324.64	\$2,324.64	\$1,050.00	\$1,050.00	\$1,812.00	\$1,812.00	\$2,500.00	\$2,500.00
44	604	Catch Basin, No. 2-3 (City to provide Castings)	2	Each	\$1,447.87	\$2,895.74	\$980.00	\$1,960.00	\$1,776.00	\$3,552.00	\$2,000.00	\$4,000.00
45	604	Precast Reinforced Concrete Outlet	5	Each	\$217.19	\$1,085.96	\$175.00	\$875.00	\$150.00	\$750.00	\$500.00	\$2,500.00
46	604	Inspection Well	1	Each	\$520.02	\$520.02	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,500.00	\$1,500.00
47	604	Special - Miscellaneous Metal	1,000	Lbs.	\$1.18	\$1,179.78	\$0.70	\$700.00	\$2.40	\$2,400.00	\$3.00	\$3,000.00
48	605	4" Unclassified Pipe Underdrain	521	Ft.	\$4.89	\$2,546.47	\$5.10	\$2,657.10	\$7.50	\$3,907.50	\$7.00	\$3,647.00
49	605	4" Base Pipe Underdrains	5,522	Ft.	\$3.74	\$20,661.05	\$5.10	\$28,162.20	\$4.20	\$23,192.40	\$6.00	\$33,132.00

Pavement

50	301	Asphalt Concrete Base, PG64-22	2,864	Cu. Yd.	\$71.92	\$205,983.57	\$77.00	\$220,528.00	\$63.00	\$180,432.00	\$77.00	\$220,528.00
51	304	Aggregate Base	2,010	Cu. Yd.	\$31.18	\$62,671.60	\$34.00	\$68,340.00	\$33.00	\$66,330.00	\$36.00	\$72,360.00
52	407	Tack Coat For Intermediate Course	1,868	Gal.	\$1.12	\$2,098.88	\$1.50	\$2,802.00	\$1.20	\$2,241.60	\$1.60	\$2,988.80
53	408	Prime Coat	5,686	Gal.	\$1.69	\$9,583.18	\$1.50	\$8,529.00	\$1.90	\$10,803.40	\$1.30	\$7,391.80
54	448	22 1 1/4" Asphalt Concrete Surface Course, Type 1, PG64- 1 3/4" Asphalt Concrete Intermediate Course, Type 2,	477	Cu. Yd.	\$76.82	\$36,643.39	\$99.00	\$47,223.00	\$81.00	\$38,637.00	\$92.00	\$43,884.00
55	448	PG64-22	667	Cu. Yd.	\$80.65	\$53,794.89	\$90.00	\$60,030.00	\$75.00	\$50,025.00	\$83.00	\$55,361.00
56	452	7" Non-Reinforced Concrete Pavement	138	Sq. Yd.	\$44.70	\$6,168.16	\$38.50	\$5,313.00	\$35.00	\$4,830.00	\$49.00	\$6,762.00
57	Special	Brick Drive	113	Sq. Ft.	\$6.74	\$761.80	\$17.75	\$2,005.75	\$14.90	\$1,683.70	\$21.00	\$2,373.00
Water Work												
58	604	Manhole Reconstructed to Grade 16" D.I.P., ANSI Cl. 53, Push-on Joints and Fittings,	1	Each	\$2,247.20	\$2,247.20	\$965.00	\$965.00	\$856.00	\$856.00	\$3,000.00	\$3,000.00
59	638	A.P.P.	703	Ft.	\$84.27	\$59,241.81	\$89.00	\$62,567.00	\$69.90	\$49,139.70	\$106.00	\$74,518.00
60	638	16" Gate Valve and Valve Box, As Per Plan	2	Each	\$3,932.60	\$7,865.20	\$3,300.00	\$6,600.00	\$1,622.00	\$3,244.00	\$2,700.00	\$5,400.00
61	638	Valve Box Adjusted to Grade, As Per Plan A	7	Each	\$295.84	\$2,070.91	\$150.00	\$1,050.00	\$37.00	\$259.00	\$210.00	\$1,470.00
62	638	Valve Box Adjusted to Grade, As Per Plan B	1	Each	\$786.52	\$786.52	\$435.00	\$435.00	\$37.00	\$37.00	\$210.00	\$210.00
63	638	Valve and Valve Box Removed, A.P.P.	1	Each	\$337.08	\$337.08	\$300.00	\$300.00	\$102.00	\$102.00	\$500.00	\$500.00
64	638	Fire Hydrant Adjusted to Grade, As Per Plan	4	Each	\$898.88	\$3,595.52	\$935.00	\$3,740.00	\$562.00	\$2,248.00	\$500.00	\$2,000.00
65	638	Fire Hydrant Extended and Adjusted to Grade, As Per Plan Fire Hydrant and Gate Valve Removed and Reset,	1	Each	\$1,235.96	\$1,235.96	\$1,275.00	\$1,275.00	\$781.00	\$781.00	\$1,200.00	\$1,200.00
66	638	A.P.P.	2	Each	\$2,247.20	\$4,494.40	\$155.00	\$310.00	\$1,979.00	\$3,958.00	\$1,800.00	\$3,600.00
67	638	1" Copper Service Branch, Long Water Work, Misc.: Valve and Valve Box Removed and	1	Each	\$1,685.40	\$1,685.40	\$1,165.00	\$1,165.00	\$723.00	\$723.00	\$2,500.00	\$2,500.00
68	638	Reset	1	Each	\$674.16	\$674.16	\$265.00	\$265.00	\$222.00	\$222.00	\$1,000.00	\$1,000.00
69	638	Water Work, Misc.: Existing Water Main Abandoned	1	Lump	\$5,618.00	\$5,618.00	\$2,115.00	\$2,115.00	\$2,727.00	\$2,727.00	\$5,000.00	\$5,000.00
Traffic Control												
70	630	Ground Mounted Support, No. 3 Post	61	Ft.	\$6.46	\$394.10	\$8.00	\$488.00	\$11.00	\$671.00	\$12.00	\$732.00
71	630	Ground Mounted Support, No. 2 Post	120	Ft.	\$5.98	\$717.31	\$6.00	\$720.00	\$10.00	\$1,200.00	\$11.00	\$1,320.00
72	630	Sign, Flat Sheet	77	Sq. Ft.	\$11.57	\$891.13	\$12.00	\$924.00	\$25.50	\$1,963.50	\$14.00	\$1,078.00
73	630	Sign, Double Faced, Street Name	2	Each	\$101.91	\$203.82	\$85.00	\$170.00	\$159.00	\$318.00	\$250.00	\$500.00
74	630	Sign Support Assembly, Pole Mounted	2	Each	\$112.36	\$224.72	\$70.00	\$140.00	\$172.00	\$344.00	\$280.00	\$560.00
75	630	Signing Misc.: Reflective Panel	2	Sq. Ft.	\$11.57	\$23.15	\$24.00	\$48.00	\$29.00	\$58.00	\$100.00	\$200.00
76	630	Removal of Ground Mounted Sign and Disposal Removal of Ground Mounted Post Support and	15	Each	\$9.81	\$147.14	\$10.50	\$157.50	\$22.00	\$330.00	\$50.00	\$750.00
77	630	Disposal	13	Each	\$12.33	\$160.24	\$12.50	\$162.50	\$22.00	\$286.00	\$60.00	\$780.00
78	642	Edge Line, Type 1	0.75	Mile	\$651.69	\$488.77	\$1,200.00	\$900.00	\$2,976.00	\$2,232.00	\$1,500.00	\$1,125.00
79	642	Center Line, Type 1	0.62	Mile	\$842.70	\$522.47	\$1,800.00	\$1,116.00	\$3,988.00	\$2,472.56	\$2,900.00	\$1,798.00
80	642	Lane Line, Type 1	0.01	Mile	\$11,236.00	\$112.36	\$900.00	\$9.00	\$8,000.00	\$80.00	\$1,200.00	\$12.00
81	642	Channelizing Line, Type 1	1,185	Ft.	\$0.67	\$798.88	\$0.57	\$675.45	\$1.50	\$1,777.50	\$1.50	\$1,777.50
82	642	Stop Line, Type 1	30	Ft.	\$4.92	\$147.64	\$3.00	\$90.00	\$6.20	\$186.00	\$6.00	\$180.00
83	642	Island Marking, Type 1	63	Sq. Ft.	\$1.76	\$111.14	\$2.00	\$126.00	\$3.00	\$189.00	\$9.00	\$567.00
84	642	Lane Arrow, Type 1	13	Each	\$57.44	\$746.70	\$40.00	\$520.00	\$112.00	\$1,456.00	\$100.00	\$1,300.00

Traffic Signals												
85	625	Conduit, 725.04, 2"	676	Ft.	\$5.62	\$3,797.77	\$6.00	\$4,056.00	\$7.75	\$5,239.00	\$4.50	\$3,042.00
86	625	Conduit, 725.04, 3"	221	Ft.	\$6.74	\$1,489.89	\$13.20	\$2,917.20	\$12.50	\$2,762.50	\$16.50	\$3,646.50
87	625	Trench	897	Ft.	\$5.62	\$5,039.35	\$4.20	\$3,767.40	\$4.00	\$3,588.00	\$4.00	\$3,588.00
88	625	Pull Box, 725.08, 18"	7	Each	\$674.16	\$4,719.12	\$582.00	\$4,074.00	\$474.00	\$3,318.00	\$500.00	\$3,500.00
89	625	Pull Box, 725.08, 24"	1	Each	\$786.52	\$786.52	\$716.00	\$716.00	\$562.00	\$562.00	\$600.00	\$600.00
90	625	Ground Rod	2	Each	\$134.83	\$269.66	\$120.00	\$240.00	\$127.00	\$254.00	\$125.00	\$250.00
91	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 1-Way, A.P.P.	4	Each	\$337.08	\$1,348.32	\$391.00	\$1,564.00	\$294.00	\$1,176.00	\$600.00	\$2,400.00
92	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 2-Way, A.P.P.	1	Each	\$674.16	\$674.16	\$622.00	\$622.00	\$509.00	\$509.00	\$700.00	\$700.00
93	632	Covering of Vehicular Signal Head	6	Each	\$28.09	\$168.54	\$23.00	\$138.00	\$13.00	\$78.00	\$25.00	\$150.00
94	632	Detector Loop	5	Each	\$1,348.32	\$6,741.60	\$823.00	\$4,115.00	\$807.00	\$4,035.00	\$165.00	\$825.00
95	632	Loop Detector Unit, Delay and Extension Type, A.P.P. Messenger Wire, 7 Strand, 3/8" Diameter	5	Each	\$280.90	\$1,404.50	\$201.00	\$1,005.00	\$137.00	\$685.00	\$165.00	\$825.00
96	632	w/Accessories	109	Ft.	\$7.87	\$857.31	\$4.00	\$436.00	\$7.40	\$806.60	\$11.00	\$1,199.00
97	632	Signal Cable, 5 Conductor, No. 14 AWG	210	Ft.	\$2.25	\$471.91	\$1.50	\$315.00	\$1.70	\$357.00	\$2.00	\$420.00
98	632	Signal Cable, 7 Conductor, No. 14 AWG	92	Ft.	\$2.81	\$258.43	\$1.80	\$165.60	\$2.00	\$184.00	\$2.00	\$184.00
99	632	Strain Pole Foundation	2	Each	\$2,247.20	\$4,494.40	\$2,905.00	\$5,810.00	\$1,872.00	\$3,744.00	\$1,900.00	\$3,800.00
100	632	Strain Pole, Type TC-81.10, Design 7	2	Each	\$3,595.52	\$7,191.04	\$2,812.00	\$5,624.00	\$3,512.00	\$7,024.00	\$2,100.00	\$4,200.00
101	632	Loop Detector Lead-in Cable	1,011	Ft.	\$2.25	\$2,271.92	\$1.20	\$1,213.20	\$1.25	\$1,263.75	\$1.50	\$1,516.50
102	632	Power Cable, 3 Conductor, No. 4 AWG	100	Ft.	\$2.81	\$280.90	\$4.50	\$450.00	\$2.20	\$220.00	\$5.70	\$570.00
103	632	Power Service, As Per Plan	1	Each	\$1,685.40	\$1,685.40	\$1,333.00	\$1,333.00	\$1,020.00	\$1,020.00	\$2,200.00	\$2,200.00
104	632	Removal of Traffic Signal Installation	1	Each	\$1,685.40	\$1,685.40	\$769.00	\$769.00	\$1,696.00	\$1,696.00	\$1,200.00	\$1,200.00
105	633	Controller Unit, Type TS-2/A2 with Cabinet, Type TS-1 8 Phase, As Per Plan	1	Each	\$11,236.00	\$11,236.00	\$5,578.00	\$5,578.00	\$5,776.00	\$5,776.00	\$8,400.00	\$8,400.00
106	633	Controller Work Pad	1	Each	\$224.72	\$224.72	\$83.00	\$83.00	\$300.00	\$300.00	\$150.00	\$150.00
107	Special	Plastic Caution Tape	897	Ft.	\$0.56	\$503.93	\$0.40	\$358.80	\$0.50	\$448.50	\$0.20	\$179.40
Structures												
108	202	Portions of Structure Removed(Wingwalls and Footings)	1	Lump	\$30,000.00	\$30,000.00	\$8,500.00	\$8,500.00	\$15,699.00	\$15,699.00	\$10,000.00	\$10,000.00
109	503	Cofferdams, Cribs, and Sheeting	1	Lump	\$20,000.00	\$20,000.00	\$5,000.00	\$5,000.00	\$21,542.00	\$21,542.00	\$30,000.00	\$30,000.00
110	503	Unclassified Excavation, As Per Plan	394	Cu. Yd.	\$39.33	\$15,494.44	\$18.00	\$7,092.00	\$17.80	\$7,013.20	\$50.00	\$19,700.00
111	511	Class C Concrete, As Per Plan	149	Cu. Yd.	\$561.80	\$83,708.20	\$535.00	\$79,715.00	\$542.00	\$80,758.00	\$280.00	\$41,720.00
112	512	Sealing of Concrete Surfaces (Epoxy Urethane)	97	Sq. Yd.	\$13.48	\$1,307.87	\$12.00	\$1,164.00	\$12.00	\$1,164.00	\$30.00	\$2,910.00
113	512	Type 2 Waterproofing	64	Sq. Yd.	\$15.73	\$1,006.75	\$19.00	\$1,216.00	\$21.00	\$1,344.00	\$30.00	\$1,920.00
114	518	Porous Backfill with Filter Fabric	25	Cu. Yd.	\$61.80	\$1,544.95	\$47.00	\$1,175.00	\$38.00	\$950.00	\$52.00	\$1,300.00
115	603	12' x 6' Conduit, Type A, 706.05, ASTM-C 789, As Per Plan	16	Ft.	\$898.88	\$14,382.08	\$1,364.00	\$21,824.00	\$698.00	\$11,168.00	\$1,800.00	\$28,800.00
Maintenance of Traffic												
116	614	Law Enforcement Officer with Patrol Car	240	Hours	\$42.88	\$10,290.38	\$42.88	\$10,291.20	\$42.88	\$10,291.20	\$42.88	\$10,291.20
Miscellaneous Items												
117	614	Maintaining Traffic	1	Lump	\$25,000.00	\$25,000.00	\$26,000.00	\$26,000.00	\$40,689.00	\$40,689.00	\$15,000.00	\$15,000.00

118	619	Field Office, Type B	12	Mo	\$1,443.40	\$17,320.79	\$1,300.00	\$15,600.00	\$450.00	\$5,400.00	\$350.00	\$4,200.00
119	623	Construction Layout Stakes	1	Lump	\$7,000.00	\$7,000.00	\$8,000.00	\$8,000.00	\$15,768.00	\$15,768.00	\$14,000.00	\$14,000.00
120	624	Mobilization	1	Lump	\$25,000.00	\$25,000.00	\$18,000.00	\$18,000.00	\$34,796.00	\$34,796.00	\$5,000.00	\$5,000.00
121	832	Storm Water Pollution Prevention Plan	1	Each	\$1,685.40	\$1,685.40	\$1,100.00	\$1,100.00	\$2,987.00	\$2,987.00	\$5,000.00	\$5,000.00
122	833	Erosion Control	1	Each	\$14,606.80	\$14,606.80	\$6,800.00	\$6,800.00	\$7,722.00	\$7,722.00	\$5,000.00	\$5,000.00

TOTAL CONSTRUCTION COSTS \$1,126,413.58 \$1,112,636.05 \$1,142,423.59 \$1,215,665.70

+/- ENGINEER'S ESTIMATE -1.2% +1.4% +7.9%

BID TAB FOR: Massillon Road (SR 241)

FILE NO. 2005-037-00

BID DATE: February 23, 2006

CODE: B05014-B05014

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Kenmore Construction Co.		***8. Liberta Const. dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	105.03	Contract Performance Bond	1	L.S	50000	\$50,000.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00
Roadway										
2	201	Concrete Base Removed	1	Lump	\$30,000.00	\$30,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00
3	202	Pavement Removed, Asphalt	137	Sq. Yd.	\$3.46	\$474.11	\$8.00	\$1,096.00	\$3.50	\$479.50
4	202	Guardrail Removed	362.5	Ft.	\$1.44	\$521.35	\$2.00	\$725.00	\$3.00	\$1,087.50
5	202	Pipe Removed, 24" and under	1,279	Ft.	\$11.31	\$14,471.44	\$12.00	\$15,348.00	\$8.00	\$10,232.00
6	202	Catch Basin Removed	4	Each	\$287.46	\$1,149.85	\$100.00	\$400.00	\$1.00	\$4.00
7	203	Excavation Including existing pavement	6,837	Cu. Yd.	\$4.65	\$31,803.70	\$16.00	\$109,392.00	\$8.00	\$54,696.00
8	203	Embankment	5,444	Cu. Yd.	\$2.76	\$15,047.52	\$9.00	\$48,996.00	\$5.00	\$27,220.00
9	204	Subgrade Compaction	12,553	Sq. Yd.	\$1.39	\$17,489.64	\$0.70	\$8,787.10	\$0.50	\$6,276.50
10	204	Proof Rolling	5	Hour	\$151.12	\$755.62	\$120.00	\$600.00	\$100.00	\$500.00
11	204	Excavation of Subgrade	500	Cu. Yd.	\$7.87	\$3,932.60	\$10.00	\$5,000.00	\$10.00	\$5,000.00
12	204	Granular Material, Type B	500	Cu. Yd.	\$23.60	\$11,797.80	\$30.00	\$15,000.00	\$15.00	\$7,500.00
13	204	Geotextile Fabric	200	Sq. Yd.	\$1.24	\$247.19	\$3.00	\$600.00	\$5.00	\$1,000.00
14	606	Guardrail, Type 5	275	Ft.	\$11.79	\$3,241.31	\$16.00	\$4,400.00	\$16.28	\$4,477.00
15	606	Anchor Assembly, Type E	1	Each	\$1,828.73	\$1,828.73	\$2,600.00	\$2,600.00	\$2,365.00	\$2,365.00
16	606	Anchor Assembly, Type T	3	Each	\$597.11	\$1,791.34	\$800.00	\$2,400.00	\$715.00	\$2,145.00
17	606	Anchor Assembly, Type A	1	Each	\$758.50	\$758.50	\$1,000.00	\$1,000.00	\$900.00	\$900.00
18	609	Curb, Type 6	385	Ft.	\$13.48	\$5,191.03	\$17.00	\$6,545.00	\$12.00	\$4,620.00
19	609	Combination Curb and Gutter, Type 2	156	Ft.	\$15.25	\$2,378.57	\$18.00	\$2,808.00	\$20.00	\$3,120.00
20	Special	Mailbox Support, Single	1	Each	\$112.36	\$112.36	\$75.00	\$75.00	\$250.00	\$250.00
21	Special	Mailbox Support, Double	1	Each	\$134.83	\$134.83	\$110.00	\$110.00	\$350.00	\$350.00

Erosion Control

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Kenmore Construction Co.		***8. Liberta Const. dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
22	601	Rock Channel Protection, Type C w/Filter	1	Cu. Yd.	\$55.84	\$55.84	\$200.00	\$200.00	\$200.00	\$200.00
23	601	Rock Channel Protection, Type B w/o Filter	147	Cu. Yd.	\$58.53	\$8,603.66	\$65.00	\$9,555.00	\$100.00	\$14,700.00
24	657	Riprap for Tree Protection	10	Sq. Yd.	\$168.54	\$1,685.40	\$100.00	\$1,000.00	\$80.00	\$800.00
25	659	Seeding and Mulching	6,195	Sq. Yd.	\$0.73	\$4,524.46	\$2.50	\$15,487.50	\$1.00	\$6,195.00
26	659	Commercial Fertilizer	1.0	Ton	\$365.24	\$365.24	\$400.00	\$400.00	\$20.00	\$20.00
27	659	Lime	1.28	Acre	\$71.89	\$92.02	\$20.00	\$25.60	\$20.00	\$25.60
28	659	Water	67	M. Gal.	\$4.22	\$283.06	\$1.00	\$67.00	\$1.00	\$67.00
29	659	Mowing	14	M.Sq.Ft.	\$1.62	\$22.65	\$1.00	\$14.00	\$10.00	\$140.00
30	659	Repair Seeding and Mulching	310	Sq. Yd.	\$0.29	\$90.56	\$1.00	\$310.00	\$0.10	\$31.00
31	670	Ditch Erosion Protection	593	Sq. Yd.	\$1.63	\$966.13	\$3.00	\$1,779.00	\$5.65	\$3,350.45
Drainage										
32	602	Concrete Masonry	0.39	Cu. Yd.	\$824.59	\$321.59	\$850.00	\$331.50	\$2,500.00	\$975.00
33	603	4" Conduit, Type F	289	Ft.	\$11.13	\$3,217.98	\$5.00	\$1,445.00	\$8.00	\$2,312.00
34	603	6" Conduit, Type B, for drainage connection	100	Ft.	\$16.08	\$1,607.87	\$3.00	\$300.00	\$0.50	\$50.00
35	603	6" Conduit, Type C	50	Ft.	\$13.06	\$652.81	\$3.00	\$150.00	\$0.50	\$25.00
36	603	6" Conduit, Type C, for drainage connection	100	Ft.	\$13.06	\$1,305.62	\$3.00	\$300.00	\$0.50	\$50.00
37	603	12" Conduit, Type B	40	Ft.	\$43.16	\$1,726.30	\$48.00	\$1,920.00	\$55.00	\$2,200.00
38	603	12" Conduit, Type C	127	Ft.	\$35.74	\$4,539.20	\$46.00	\$5,842.00	\$38.00	\$4,826.00
39	603	21" Conduit, Type B	250	Ft.	\$60.93	\$15,233.21	\$60.00	\$15,000.00	\$58.00	\$14,500.00
40	603	21" Conduit, Type C	1,022	Ft.	\$46.74	\$47,770.08	\$53.00	\$54,166.00	\$48.00	\$49,056.00
41	604	Manhole, No. 3 (City to provide Castings)	3	Each	\$2,436.34	\$7,309.01	\$2,000.00	\$6,000.00	\$1,800.00	\$5,400.00
42	604	Manhole Reconstructed to Grade	2	Each	\$1,252.05	\$2,504.10	\$1,200.00	\$2,400.00	\$2,500.00	\$5,000.00
43	604	Catch Basin, No. 3 (City to provide Castings)	1	Each	\$2,324.64	\$2,324.64	\$1,200.00	\$1,200.00	\$1,400.00	\$1,400.00
44	604	Catch Basin, No. 2-3 (City to provide Castings)	2	Each	\$1,447.87	\$2,895.74	\$1,250.00	\$2,500.00	\$1,200.00	\$2,400.00
45	604	Precast Reinforced Concrete Outlet	5	Each	\$217.19	\$1,085.96	\$125.00	\$625.00	\$200.00	\$1,000.00
46	604	Inspection Well	1	Each	\$520.02	\$520.02	\$800.00	\$800.00	\$25.00	\$25.00
47	604	Special - Miscellaneous Metal	1,000	Lbs.	\$1.18	\$1,179.78	\$1.50	\$1,500.00	\$1,000.00	\$1,000,000.00
48	605	4" Unclassified Pipe Underdrain	521	Ft.	\$4.89	\$2,546.47	\$6.00	\$3,126.00	\$8.00	\$4,168.00
49	605	4" Base Pipe Underdrains	5,522	Ft.	\$3.74	\$20,661.05	\$5.25	\$28,990.50	\$8.00	\$44,176.00
Pavement										
50	301	Asphalt Concrete Base, PG64-22	2,864	Cu. Yd.	\$71.92	\$205,983.57	\$78.00	\$223,392.00		\$0.00
51	304	Aggregate Base	2,010	Cu. Yd.	\$31.18	\$62,671.60	\$37.00	\$74,370.00	\$38.00	\$76,380.00
52	407	Tack Coat For Intermediate Course	1,868	Gal.	\$1.12	\$2,098.88	\$1.25	\$2,335.00	\$1.32	\$2,465.76
53	408	Prime Coat	5,686	Gal.	\$1.69	\$9,583.18	\$1.25	\$7,107.50	\$2.09	\$11,883.74
54	448	22 1 1/4" Asphalt Concrete Surface Course, Type 1, PG64-	477	Cu. Yd.	\$76.82	\$36,643.39	\$95.00	\$45,315.00	\$89.10	\$42,500.70
55	448	22 1 3/4" Asphalt Concrete Intermediate Course, Type 2, PG64-22	667	Cu. Yd.	\$80.65	\$53,794.89	\$86.00	\$57,362.00	\$82.50	\$55,027.50

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Kenmore Construction Co.		***8. Liberta Const. dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
56	452	7" Non-Reinforced Concrete Pavement	138	Sq. Yd.	\$44.70	\$6,168.16	\$34.00	\$4,692.00	\$45.00	\$6,210.00
57	Special	Brick Drive	113	Sq. Ft.	\$6.74	\$761.80	\$12.00	\$1,356.00	\$8.00	\$904.00
Water Work										
58	604	Manhole Reconstructed to Grade 16" D.I.P., ANSI Cl. 53, Push-on Joints and Fittings, A.P.P.	1	Each	\$2,247.20	\$2,247.20	\$1,200.00	\$1,200.00	\$2,000.00	\$2,000.00
59	638	16" Gate Valve and Valve Box, As Per Plan	703	Ft.	\$84.27	\$59,241.81	\$75.00	\$52,725.00	\$90.00	\$63,270.00
60	638	Valve Box Adjusted to Grade, As Per Plan A	2	Each	\$3,932.60	\$7,865.20	\$1,800.00	\$3,600.00	\$2,000.00	\$4,000.00
61	638	Valve Box Adjusted to Grade, As Per Plan B	7	Each	\$295.84	\$2,070.91	\$90.00	\$630.00	\$475.00	\$3,325.00
62	638	Valve and Valve Box Removed, A.P.P.	1	Each	\$786.52	\$786.52	\$350.00	\$350.00	\$1,000.00	\$1,000.00
63	638	Fire Hydrant Adjusted to Grade, As Per Plan	1	Each	\$337.08	\$337.08	\$100.00	\$100.00	\$1,500.00	\$1,500.00
64	638	Fire Hydrant Extended and Adjusted to Grade, As Per Plan	4	Each	\$898.88	\$3,595.52	\$500.00	\$2,000.00	\$1,650.00	\$6,600.00
65	638	Fire Hydrant and Gate Valve Removed and Reset, A.P.P.	1	Each	\$1,235.96	\$1,235.96	\$2,200.00	\$2,200.00	\$1,650.00	\$1,650.00
66	638	1" Copper Service Branch, Long	2	Each	\$2,247.20	\$4,494.40	\$2,800.00	\$5,600.00	\$2,050.00	\$4,100.00
67	638	Water Work, Misc.: Valve and Valve Box Removed and Reset	1	Each	\$1,685.40	\$1,685.40	\$1,800.00	\$1,800.00	\$1,200.00	\$1,200.00
68	638	Water Work, Misc.: Existing Water Main Abandoned	1	Lump	\$674.16	\$674.16	\$750.00	\$750.00	\$1,500.00	\$1,500.00
69	638	Water Work, Misc.: Existing Water Main Abandoned	1	Lump	\$5,618.00	\$5,618.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00
Traffic Control										
70	630	Ground Mounted Support, No. 3 Post	61	Ft.	\$6.46	\$394.10	\$9.00	\$549.00	\$5.50	\$335.50
71	630	Ground Mounted Support, No. 2 Post	120	Ft.	\$5.98	\$717.31	\$6.50	\$780.00	\$5.50	\$660.00
72	630	Sign, Flat Sheet	77	Sq. Ft.	\$11.57	\$891.13	\$10.00	\$770.00	\$16.50	\$1,270.50
73	630	Sign, Double Faced, Street Name	2	Each	\$101.91	\$203.82	\$90.00	\$180.00	\$110.00	\$220.00
74	630	Sign Support Assembly, Pole Mounted	2	Each	\$112.36	\$224.72	\$70.00	\$140.00	\$77.00	\$154.00
75	630	Signing Misc.: Reflective Panel	2	Sq. Ft.	\$11.57	\$23.15	\$25.00	\$50.00	\$27.00	\$54.00
76	630	Removal of Ground Mounted Sign and Disposal Removal of Ground Mounted Post Support and Disposal	15	Each	\$9.81	\$147.14	\$10.00	\$150.00	\$11.00	\$165.00
77	630	Edge Line, Type 1	13	Each	\$12.33	\$160.24	\$15.00	\$195.00	\$22.50	\$292.50
78	642	Center Line, Type 1	0.75	Mile	\$651.69	\$488.77	\$1,100.00	\$825.00	\$1,320.00	\$990.00
79	642	Lane Line, Type 1	0.62	Mile	\$842.70	\$522.47	\$1,800.00	\$1,116.00	\$1,980.00	\$1,227.60
80	642	Channelizing Line, Type 1	0.01	Mile	\$11,236.00	\$112.36	\$1,000.00	\$10.00	\$990.00	\$9.90
81	642	Stop Line, Type 1	1,185	Ft.	\$0.67	\$798.88	\$1.00	\$1,185.00	\$0.63	\$746.55
82	642	Island Marking, Type 1	30	Ft.	\$4.92	\$147.64	\$5.00	\$150.00	\$3.30	\$99.00
83	642	Lane Arrow, Type 1	63	Sq. Ft.	\$1.76	\$111.14	\$3.00	\$189.00	\$2.20	\$138.60
84	642	Lane Arrow, Type 1	13	Each	\$57.44	\$746.70	\$50.00	\$650.00	\$44.00	\$572.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Kenmore Construction Co. PRICE	7. Kenmore Construction Co. AMOUNT	***8. Liberta Const. dba Cioffi PRICE	***8. Liberta Const. dba Cioffi AMOUNT
Traffic Signals										
85	625	Conduit, 725.04, 2"	676	Ft.	\$5.62	\$3,797.77	\$7.00	\$4,732.00	\$9.07	\$6,131.32
86	625	Conduit, 725.04, 3"	221	Ft.	\$6.74	\$1,489.89	\$10.00	\$2,210.00	\$15.62	\$3,452.02
87	625	Trench	897	Ft.	\$5.62	\$5,039.35	\$5.00	\$4,485.00	\$6.05	\$5,426.85
88	625	Pull Box, 725.08, 18"	7	Each	\$674.16	\$4,719.12	\$450.00	\$3,150.00	\$473.00	\$3,311.00
89	625	Pull Box, 725.08, 24"	1	Each	\$786.52	\$786.52	\$550.00	\$550.00	\$632.00	\$632.00
90	625	Ground Rod	2	Each	\$134.83	\$269.66	\$225.00	\$450.00	\$121.00	\$242.00
91	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 1-Way, A.P.P.	4	Each	\$337.08	\$1,348.32	\$450.00	\$1,800.00	\$308.00	\$1,232.00
92	632	Vehicular Signal Head, (LED), 1 Section, 12" Lens, 2-Way, A.P.P.	1	Each	\$674.16	\$674.16	\$650.00	\$650.00	\$511.50	\$511.50
93	632	Covering of Vehicular Signal Head	6	Each	\$28.09	\$168.54	\$12.00	\$72.00	\$33.00	\$198.00
94	632	Detector Loop	5	Each	\$1,348.32	\$6,741.60	\$650.00	\$3,250.00	\$962.50	\$4,812.50
95	632	Loop Detector Unit, Delay and Extension Type, A.P.P. Messenger Wire, 7 Strand, 3/8" Diameter	5	Each	\$280.90	\$1,404.50	\$125.00	\$625.00	\$151.80	\$759.00
96	632	w/Accessories	109	Ft.	\$7.87	\$857.31	\$8.00	\$872.00	\$14.85	\$1,618.65
97	632	Signal Cable, 5 Conductor, No. 14 AWG	210	Ft.	\$2.25	\$471.91	\$2.00	\$420.00	\$1.32	\$277.20
98	632	Signal Cable, 7 Conductor, No. 14 AWG	92	Ft.	\$2.81	\$258.43	\$2.00	\$184.00	\$1.48	\$136.16
99	632	Strain Pole Foundation	2	Each	\$2,247.20	\$4,494.40	\$2,500.00	\$5,000.00	\$1,815.00	\$3,630.00
100	632	Strain Pole, Type TC-81.10, Design 7	2	Each	\$3,595.52	\$7,191.04	\$3,500.00	\$7,000.00	\$3,514.00	\$7,028.00
101	632	Loop Detector Lead-in Cable	1,011	Ft.	\$2.25	\$2,271.92	\$1.00	\$1,011.00	\$1.26	\$1,273.86
102	632	Power Cable, 3 Conductor, No. 4 AWG	100	Ft.	\$2.81	\$280.90	\$5.00	\$500.00	\$3.30	\$330.00
103	632	Power Service, As Per Plan	1	Each	\$1,685.40	\$1,685.40	\$900.00	\$900.00	\$1,072.50	\$1,072.50
104	632	Removal of Traffic Signal Installation	1	Each	\$1,685.40	\$1,685.40	\$800.00	\$800.00	\$3,630.00	\$3,630.00
105	633	Controller Unit, Type TS-2/A2 with Cabinet, Type TS-1	1	Each	\$11,236.00	\$11,236.00	\$6,100.00	\$6,100.00	\$5,637.50	\$5,637.50
106	633	8 Phase, As Per Plan	1	Each	\$224.72	\$224.72	\$200.00	\$200.00	\$115.00	\$115.00
107	Special	Controller Work Pad	1	Each	\$224.72	\$224.72	\$200.00	\$200.00	\$115.00	\$115.00
107	Special	Plastic Caution Tape	897	Ft.	\$0.56	\$503.93	\$0.50	\$448.50	\$0.44	\$394.68
Structures										
108	202	Portions of Structure Removed(Wingwalls and Footings)	1	Lump	\$30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$5,600.00	\$5,600.00
109	503	Cofferdams, Cribbs, and Sheeting	1	Lump	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00	\$500.00	\$500.00
110	503	Unclassified Excavation, As Per Plan	394	Cu. Yd.	\$39.33	\$15,494.44	\$30.00	\$11,820.00	\$10.00	\$3,940.00
111	511	Class C Concrete, As Per Plan	149	Cu. Yd.	\$561.80	\$83,708.20	\$700.00	\$104,300.00	\$532.00	\$79,268.00
112	512	Sealing of Concrete Surfaces (Epoxy Urethane)	97	Sq. Yd.	\$13.48	\$1,307.87	\$15.00	\$1,455.00	\$35.00	\$3,395.00
113	512	Type 2 Waterproofing	64	Sq. Yd.	\$15.73	\$1,006.75	\$12.00	\$768.00	\$50.00	\$3,200.00
114	518	Porous Backfill with Filter Fabric	25	Cu. Yd.	\$61.80	\$1,544.95	\$45.00	\$1,125.00	\$38.00	\$950.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
115	603	12' x 6' Conduit, Type A, 706.05, ASTM-C 789, As Per Plan	16	Ft.	\$898.88	\$14,382.08	\$950.00	\$15,200.00	\$1,340.00	\$21,440.00
Maintenance of Traffic										
116	614	Law Enforcement Officer with Patrol Car	240	Hours	\$42.88	\$10,290.38	\$42.88	\$10,291.20	\$42.88	\$10,291.20
Miscellaneous Items										
117	614	Maintaining Traffic	1	Lump	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00
118	619	Field Office, Type B	12	Mo	\$1,443.40	\$17,320.79	\$1,200.00	\$14,400.00	\$20.00	\$240.00
119	623	Construction Layout Stakes	1	Lump	\$7,000.00	\$7,000.00	\$12,000.00	\$12,000.00	\$5,000.00	\$5,000.00
120	624	Mobilization	1	Lump	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00	\$3,500.00	\$3,500.00
121	832	Storm Water Pollution Prevention Plan	1	Each	\$1,685.40	\$1,685.40	\$2,000.00	\$2,000.00	\$1,100.00	\$1,100.00
122	833	Erosion Control	1	Each	\$14,606.80	\$14,606.80	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
TOTAL CONSTRUCTION COSTS						\$1,126,413.58		\$1,216,908.40		\$1,819,542.34
+/- ENGINEER'S ESTIMATE								+8.0%		+61.5%