

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Karvo Paving Company		**2. Liberta dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY										
1	201	Clearing and Grubbing	1	L.S.	5,000	\$5,000.00	\$2,500.00	\$2,500.00	\$25,000.00	\$25,000.00
2	202	Pavement Removed	23,431	S.Y.	5	\$112,468.80	\$6.85	\$160,502.35	\$4.00	\$93,724.00
3	202	Curb Removed	7,233	L.F.	9	\$65,097.00	\$0.60	\$4,339.80	\$4.50	\$32,548.50
4	202	Curb and Gutter Removed	278	L.F.	6	\$1,579.04	\$1.75	\$486.50	\$4.50	\$1,251.00
5	202	Walk Removed	39,161	S.F.	2	\$59,133.11	\$0.85	\$33,286.85	\$0.76	\$29,762.36
6	202	Steps Removed	134	L.F.	7	\$917.90	\$4.75	\$636.50	\$15.00	\$2,010.00
7	202	Pipe Removed, 12 Inch	590	L.F.	12	\$6,914.80	\$10.00	\$5,900.00	\$13.00	\$7,670.00
8	202	Pipe Removed, 15 Inch	158	L.F.	12	\$1,851.76	\$12.00	\$1,896.00	\$13.00	\$2,054.00
9	202	Pipe Removed, 18 Inch	168	L.F.	12	\$1,968.96	\$14.00	\$2,352.00	\$13.00	\$2,184.00
10	202	Trench Drain Removed	4	EACH	50	\$200.00	\$235.00	\$940.00	\$100.00	\$400.00
11	202	Catch Basin or Inlet Removed	37	EACH	226	\$8,360.52	\$175.00	\$6,475.00	\$50.00	\$1,850.00
12	202	Manhole Removed	1	EACH	427	\$426.91	\$380.00	\$380.00	\$500.00	\$500.00
13	202	Post Removed	62	EACH	20	\$1,240.00	\$35.00	\$2,170.00	\$1.00	\$62.00
14	202	Post with Chain Removed	36	EACH	30	\$1,080.00	\$60.00	\$2,160.00	\$1.00	\$36.00
15	202	Guardrail Removed	185	L.F.	2	\$334.85	\$9.00	\$1,665.00	\$3.00	\$555.00
16	202	Landscaping Timber Removed	125	L.F.	3	\$375.00	\$3.50	\$437.50	\$1.00	\$125.00
17	202	Wall Removed	27	L.F.	20	\$540.00	\$24.00	\$648.00	\$27.00	\$729.00
18	202	Concrete Pad Removed	3	EACH	50	\$150.00	\$220.00	\$660.00	\$50.00	\$150.00
19	202	Sign Pole Removed	1	EACH	20	\$20.00	\$250.00	\$250.00	\$150.00	\$150.00
20	202	Concrete Pedestal Removed	2	EACH	50	\$100.00	\$200.00	\$400.00	\$100.00	\$200.00
21	202	Fence Removed	50	L.F.	3	\$125.50	\$4.00	\$200.00	\$5.00	\$250.00
22	202	Commercial Sign Removed	5	EACH	100	\$500.00	\$220.00	\$1,100.00	\$200.00	\$1,000.00
23	202	Railroad Ties Removed	105	L.F.	5	\$525.00	\$5.00	\$525.00	\$1.00	\$105.00
24	202	Flag Pole Removed	1	EACH	50	\$50.00	\$220.00	\$220.00	\$250.00	\$250.00
25	202	Railing Removed	8	L.F.	10	\$80.00	\$13.50	\$108.00	\$45.00	\$360.00
26	202	Light Post Removed	1	EACH	75	\$75.00	\$165.00	\$165.00	\$165.00	\$165.00
27	202	Luminaire and Bracket Arm Removed	2	EACH	100	\$200.00	\$185.00	\$370.00	\$185.00	\$370.00
28	203	Excavation Not Including Embankment Construction	7,489	C.Y.	8	\$59,912.00	\$2.00	\$14,978.00	\$14.00	\$104,846.00
29	203	Embankment	1,574	C.Y.	6	\$9,444.00	\$9.00	\$14,166.00	\$5.00	\$7,870.00
30	203	Subgrade Compaction	26,817	S.Y.	1	\$28,426.02	\$0.50	\$13,408.50	\$0.10	\$2,681.70
31	203	Proof Rolling	13	HOUR	112	\$1,461.98	\$125.00	\$1,625.00	\$5.00	\$65.00
32	204	Aggregate Refill, Type 1	1,963	C.Y.	30	\$59,616.31	\$44.50	\$87,353.50	\$38.00	\$74,594.00
33	204	Geotextile Fabric	2,944	S.Y.	1	\$3,944.96	\$1.00	\$2,944.00	\$0.65	\$1,913.60
34	456	Concrete Walk, 4" Thick	1,479	S.F.	5	\$7,069.62	\$3.85	\$5,694.15	\$3.85	\$5,694.15
35	456	Concrete Walk, 6" Thick	40,709	S.F.	6	\$223,899.50	\$3.85	\$156,729.65	\$4.00	\$162,836.00
36	456	Concrete Steps	249	L.F.	69	\$17,300.52	\$65.00	\$16,185.00	\$65.00	\$16,185.00
37	456	Curb Ramp	41	EACH	320	\$13,120.41	\$175.00	\$7,175.00	\$150.00	\$6,150.00
38	622	Monument Boxes	10	EACH	744	\$7,442.80	\$350.00	\$3,500.00	\$350.00	\$3,500.00
38	SPEC	Fill and Plug Existing Conduit	20	C.Y.	23	\$461.00	\$200.00	\$4,000.00	\$185.00	\$3,700.00
39	SPEC	Historical Marker Removed and Reset	2	EACH	500	\$1,000.00	\$400.00	\$800.00	\$1,000.00	\$2,000.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
EROSION CONTROL										
40	207	Erosion Control	14,550	EACH	1	\$14,550.00	\$1.00	\$14,550.00	\$1.00	\$14,550.00
41	207	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	2,500	\$2,500.00	\$7,000.00	\$7,000.00	\$3,500.00	\$3,500.00
42	653	Topsoil Furnished & Placed, 4 Inch Thick	3,853	S.Y.	2	\$6,627.16	\$3.25	\$12,522.25	\$3.25	\$12,522.25
43	659	Lawn Seeding and Mulching	3,853	S.Y.	1	\$4,662.13	\$1.30	\$5,008.90	\$1.30	\$5,008.90
44	659	Soil Analysis Test	2	EACH	54	\$108.20	\$50.00	\$100.00	\$50.00	\$100.00
45	659	Repair Seeding And Mulching	193	S.Y.	0	\$92.64	\$0.50	\$96.50	\$0.50	\$96.50
46	659	Inter-Seeding	193	S.Y.	0	\$46.32	\$0.50	\$96.50	\$0.50	\$96.50
47	659	Lime	1	AC.	82	\$81.62	\$40.00	\$40.00	\$40.00	\$40.00
48	659	Commercial Fertilizer	1	TON	666	\$666.42	\$900.00	\$900.00	\$900.00	\$900.00
49	659	Water	21	M. GAL	2	\$40.74	\$5.00	\$105.00	\$5.00	\$105.00
DRAINAGE										
50	552	12" Storm Sewer, Type A, Class "B" Bedding	933	L.F.	38	\$35,006.16	\$46.00	\$42,918.00	\$55.00	\$51,315.00
51	552	18" Storm Sewer, Type A, Class "B" Bedding	158	L.F.	40	\$6,275.76	\$60.00	\$9,480.00	\$60.00	\$9,480.00
52	552	24" Storm Sewer, Type A, Class "B" Bedding	140	L.F.	73	\$10,162.60	\$70.00	\$9,800.00	\$65.00	\$9,100.00
53	552	19"x30" Storm Sewer, Type A, Class "B" Bedding	28	L.F.	125	\$3,501.96	\$135.00	\$3,780.00	\$80.00	\$2,240.00
54	556	House Drain, Complete, As Per Plan	44	EACH	45	\$1,980.00	\$45.00	\$1,980.00	\$1.00	\$44.00
55	562	Manhole MH-1A on 15" Storm Sewer	2	EACH	2,600	\$5,200.00	\$1,500.00	\$3,000.00	\$2,200.00	\$4,400.00
56	562	Manhole MH-1B on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$2,400.00	\$2,400.00	\$2,500.00	\$2,500.00
57	562	Manhole MH-1C on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$3,700.00	\$3,700.00	\$2,800.00	\$2,800.00
58	562	Manhole MH-1C on 36" Storm Sewer	4	EACH	2,600	\$10,400.00	\$4,700.00	\$18,800.00	\$3,500.00	\$14,000.00
59	562	Brick Manhole Adjusted	18	EACH	326	\$5,874.84	\$475.00	\$8,550.00	\$250.00	\$4,500.00
60	563	Inlet, No. 3	2	EACH	1,100	\$2,200.00	\$1,800.00	\$3,600.00	\$1,200.00	\$2,400.00
61	563	Inlet, No. 3, Modified	1	EACH	1,100	\$1,100.00	\$1,900.00	\$1,900.00	\$1,200.00	\$1,200.00
62	563	Inlet, No. 5	8	EACH	1,400	\$11,200.00	\$1,500.00	\$12,000.00	\$1,000.00	\$8,000.00
63	563	Inlet, No. 5, Modified	11	EACH	1,400	\$15,400.00	\$1,350.00	\$14,850.00	\$1,000.00	\$11,000.00
64	563	Inlet, Double No. 5	12	EACH	2,130	\$25,560.00	\$1,750.00	\$21,000.00	\$1,500.00	\$18,000.00
65	563	Inlet, Double No. 5, Modified	13	EACH	2,130	\$27,690.00	\$1,800.00	\$23,400.00	\$1,500.00	\$19,500.00
66	564	4" Pipe Underdrains	7,094	L.F.	5	\$36,321.28	\$6.00	\$42,564.00	\$3.00	\$21,282.00
67	Spec	Miscellaneous Metal	2,100	POUNDS	1	\$2,016.00	\$0.75	\$1,575.00	\$1.00	\$2,100.00
PAVEMENT										
68	301	3" Bituminous Aggregate Base	2	C.Y.	120	\$239.12	\$300.00	\$600.00	\$375.00	\$750.00
69	301	4 1/4" Bituminous Aggregate Base	121	C.Y.	120	\$14,466.76	\$125.00	\$15,125.00	\$158.00	\$19,118.00
70	301	9" Bituminous Aggregate Base	6,148	C.Y.	120	\$735,054.88	\$98.00	\$602,504.00	\$95.60	\$587,748.80
71	304	Aggregate Base	4,108	C.Y.	45	\$184,777.84	\$35.00	\$143,780.00	\$35.00	\$143,780.00
72	404	Asphalt Concrete, 1 1/4" Thick	17	C.Y.	299	\$5,089.12	\$220.00	\$3,740.00	\$295.00	\$5,015.00
73	407	Tack Coat	1,681	GAL	2	\$3,496.48	\$1.50	\$2,521.50	\$2.50	\$4,202.50
74	407	Tack Coat for Intermediate Course	838	GAL	2	\$1,650.86	\$1.50	\$1,257.00	\$2.50	\$2,095.00
75	408	Prime Coat	9,669	GAL	4	\$39,546.21	\$2.75	\$26,589.75	\$3.15	\$30,457.35
76	446	Asphalt Concrete Surface Course, Type 1, 1 1/4" Thick	742	C.Y.	159	\$117,829.60	\$131.00	\$97,202.00	\$146.00	\$108,332.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
		Asphalt Concrete Intermediate Course, Type 2, 1 3/4"								
77	448	Thick	1,019	C.Y.	129	\$131,828.03	\$114.00	\$116,166.00	\$119.00	\$121,261.00
78	452	6" Plain Portland Cement	139	S.Y.	47	\$6,571.92	\$47.00	\$6,533.00	\$45.00	\$6,255.00
79	455	Combination Curb and Gutter	7,094	L.F.	14	\$97,116.86	\$13.50	\$95,769.00	\$12.00	\$85,128.00
80	455	Curb, Type 6"x18"	430	L.F.	15	\$6,497.30	\$18.50	\$7,955.00	\$18.00	\$7,740.00
81	456	Concrete Aprons, 6" Thick	4,430	S.F.	5	\$23,036.00	\$4.40	\$19,492.00	\$4.00	\$17,720.00
82	461	Brick Pavement, Full Depth	29	S.Y.	45	\$1,305.00	\$90.00	\$2,610.00	\$65.00	\$1,885.00
WATER WORKS										
83	202	Abandoned Water Main Removed	3,425	L.F.	10	\$34,250.00	\$17.00	\$58,225.00	\$2.00	\$6,850.00
84	202	Water Main Valve Boxes Removed	1	EACH	107	\$107.00	\$265.00	\$265.00	\$1.00	\$1.00
85	252	Water Meter Adjusted	10	EACH	250	\$2,500.00	\$200.00	\$2,000.00	\$250.00	\$2,500.00
86	252	Water Meter Relocated	3	EACH	800	\$2,400.00	\$600.00	\$1,800.00	\$1,500.00	\$4,500.00
87	254	10" Water Main Ductile Iron Pipe	16	L.F.	100	\$1,600.00	\$545.00	\$8,720.00	\$100.00	\$1,600.00
88	259	10" 45 Degree Bend	8	EACH	225	\$1,800.00	\$230.00	\$1,840.00	\$650.00	\$5,200.00
89	260	Fire Hydrant Adjusted	8	EACH	741	\$5,927.28	\$550.00	\$4,400.00	\$550.00	\$4,400.00
90	265	Water Main Valve Boxes Adjusted	66	EACH	167	\$11,002.86	\$125.00	\$8,250.00	\$150.00	\$9,900.00
91	265	Water Main Valve Boxes Relocated	4	EACH	400	\$1,600.00	\$125.00	\$500.00	\$25.00	\$100.00
92	562	Water Manhole Adjusted	1	EACH	326	\$326.38	\$375.00	\$375.00	\$250.00	\$250.00
SANITARY WORK										
93	559	6" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	12	\$2,450.00	\$25.00	\$5,000.00	\$1.00	\$200.00
94	559	6" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	20	\$600.00	\$36.00	\$1,080.00	\$1.00	\$30.00
95	559	8" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	21	\$4,240.00	\$17.00	\$3,400.00	\$1.00	\$200.00
96	559	8" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	25	\$750.00	\$44.00	\$1,320.00	\$1.00	\$30.00
97	562	Brick Manhole Adjusted	20	EACH	326	\$6,527.60	\$265.00	\$5,300.00	\$250.00	\$5,000.00
LIGHTING										
96	625	Conduit, 2", 713.07	275	EACH	8	\$2,200.00	\$1.90	\$522.50	\$1.90	\$522.50
97	625	Conduit Riser, 2"	2	EACH	750	\$1,500.00	\$276.00	\$552.00	\$276.00	\$552.00
98	625	Connector Kit, Fused	4	EACH	100	\$400.00	\$50.00	\$200.00	\$50.00	\$200.00
99	625	Underground Mole Connector	10	EACH	100	\$1,000.00	\$55.00	\$550.00	\$55.00	\$550.00
100	625	Pull Box, Misc.: 13"x24"x18" Deep, 713.06, As Per Plan Luminaire, Conventional 250 Watt, High Pressure Sodium	5	EACH	750	\$3,750.00	\$354.00	\$1,770.00	\$354.00	\$1,770.00
101	625	Cobra Luminaire, As Per Plan	4	EACH	800	\$3,200.00	\$325.00	\$1,300.00	\$325.00	\$1,300.00
102	625	No. 10 AWG Pole and Bracket Cable	400	L.F.	2	\$800.00	\$0.75	\$300.00	\$0.75	\$300.00
103	625	No. 4 AWG 600 Volt Distribution Cable	700	L.F.	4	\$2,800.00	\$1.70	\$1,190.00	\$1.70	\$1,190.00
104	625	Bracket Arm, 10 Feet	1	EACH	600	\$600.00	\$317.00	\$317.00	\$317.00	\$317.00
105	625	Bracket Arm, 12 Feet	1	EACH	600	\$600.00	\$814.00	\$814.00	\$814.00	\$814.00
106	625	Bracket Arm, 16 Feet	2	EACH	1,000	\$2,000.00	\$902.00	\$1,804.00	\$902.00	\$1,804.00

TRAFFIC CONTROL

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
107	621	Lane Lines, 4 Inch	2	MILE	393	\$785.10	\$550.00	\$1,100.00	\$550.00	\$1,100.00
108	621	Center Lines, Solid, Double	1	MILE	601	\$601.29	\$900.00	\$900.00	\$900.00	\$900.00
109	621	Channelizing Lines	395	L.F.	1	\$288.35	\$0.80	\$316.00	\$0.80	\$316.00
110	621	Crosswalk Lines	864	L.F.	2	\$1,425.60	\$1.55	\$1,339.20	\$1.55	\$1,339.20
111	621	Stop Lines, 24 Inch	182	L.F.	4	\$702.52	\$2.95	\$536.90	\$2.95	\$536.90
112	621	Transverse Lines, Yellow, 24" @ 12' O.C.	409	L.F.	2	\$932.52	\$2.05	\$838.45	\$2.05	\$838.45
113	621	Island Marking, Yellow	64	S.F.	2	\$101.76	\$1.95	\$124.80	\$1.95	\$124.80
114	621	Lane Arrows	9	EACH	55	\$491.58	\$62.00	\$558.00	\$62.00	\$558.00
115	621	Dotted Lines, 4 Inch	247	L.F.	1	\$321.10	\$2.00	\$494.00	\$2.00	\$494.00
116	629	Street Name Sign	31	EACH	78	\$2,408.08	\$110.00	\$3,410.00	\$110.00	\$3,410.00
117	629	Street Name Sign Pole	15	EACH	103	\$1,543.65	\$170.00	\$2,550.00	\$170.00	\$2,550.00
118	630	Removal of Overhead Mounted Sign and Storage	4	EACH	99	\$394.72	\$95.00	\$380.00	\$95.00	\$380.00
119	630	Removal of Pole Mounted Sign and Storage	18	EACH	17	\$313.20	\$15.00	\$270.00	\$15.00	\$270.00
120	630	Removal of Pole Mounted Sign and Re-Erection	28	EACH	63	\$1,750.00	\$30.00	\$840.00	\$30.00	\$840.00
121	630	Removal of Ground Mounted Sign and Storage	37	EACH	15	\$569.43	\$15.00	\$555.00	\$15.00	\$555.00
122	630	Removal of Ground Mounted Sign and Re-Erection	38	EACH	35	\$1,314.80	\$30.00	\$1,140.00	\$30.00	\$1,140.00
123	630	Removal of Ground Mounted Post Support	45	EACH	11	\$495.90	\$25.00	\$1,125.00	\$10.00	\$450.00
124	630	Ground Mounted Supports, No. 2 Post	762	L.F.	9	\$6,842.76	\$6.35	\$4,838.70	\$6.35	\$4,838.70
125	630	Ground Mounted Supports, No. 3 Post	240	L.F.	9	\$2,268.00	\$6.45	\$1,548.00	\$6.45	\$1,548.00
126	630	Sign Support Assembly, Pole	2	EACH	98	\$195.72	\$55.00	\$110.00	\$55.00	\$110.00
127	630	Sign, Flat Sheet	161	S.F.	15	\$2,460.08	\$15.80	\$2,543.80	\$15.80	\$2,543.80
128	630	Signing, Misc.: Warning Beacon Removed	6	EACH	75	\$450.00	\$100.00	\$600.00	\$100.00	\$600.00
TRAFFIC SIGNALS										
129	625	Trench	698	L.F.	5	\$3,476.04	\$4.30	\$3,001.40	\$4.50	\$3,141.00
130	625	Trench in Paved Areas, Type A	5	L.F.	18	\$90.45	\$37.00	\$185.00	\$37.00	\$185.00
131	625	Ground Rod	7	EACH	176	\$1,234.10	\$116.00	\$812.00	\$116.00	\$812.00
132	625	Ground Rod, As Per Plan	3	EACH	190	\$570.00	\$121.00	\$363.00	\$121.00	\$363.00
133	625	Plastic Caution Tape	703	L.F.	0	\$112.48	\$0.45	\$316.35	\$0.45	\$316.35
134	625	Conduit, 3", 713.07	185	L.F.	17	\$3,083.95	\$3.00	\$555.00	\$3.00	\$555.00
135	625	Conduit, 3", 713.07 Concrete Encased	523	L.F.	13	\$6,929.75	\$6.00	\$3,138.00	\$6.00	\$3,138.00
136	625	Pull Box, Misc.: Pullbox, 713.06, 24" x 36" x 24" Deep, As Per Plan	6	EACH	725	\$4,350.00	\$713.00	\$4,278.00	\$713.00	\$4,278.00
137	625	Pull Box, Misc.: Pullbox, 713.06, 30" x 48" x 24" Deep, As Per Plan	7	EACH	1,200	\$8,400.00	\$949.00	\$6,643.00	\$949.00	\$6,643.00
138	630	Sign Hanger Assembly, Mast Arm	8	EACH	230	\$1,837.68	\$324.00	\$2,592.00	\$280.00	\$2,240.00
139	630	Sign, Flat Sheet	72	S.F.	15	\$1,100.16	\$34.50	\$2,484.00	\$14.75	\$1,062.00
140	631	School Speed Limit Sign Assembly, 24" x 48" Vehicular Signal Head, (LED), 1-Section, 12" LENS, 1	2	EACH	920	\$1,840.00	\$1,050.00	\$2,100.00	\$3,990.00	\$7,980.00
141	632	Way, As Per Plan	4	EACH	360	\$1,440.00	\$395.00	\$1,580.00	\$395.00	\$1,580.00

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142	632	Vehicular Signal Head, (LED), 3-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	12	EACH	720	\$8,640.00	\$708.00	\$8,496.00	\$708.00	\$8,496.00
143	632	Vehicular Signal Head, (LED), 5-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	3	EACH	1,200	\$3,600.00	\$1,025.00	\$3,075.00	\$1,025.00	\$3,075.00
144	632	12" Green LED, Dialight XL Series	10	EACH	58	\$580.00	\$79.25	\$792.50	\$79.25	\$792.50
145	632	Vehicular Signal Head, 3-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	10	EACH	462	\$4,620.00	\$460.00	\$4,600.00	\$460.00	\$4,600.00
146	632	Vehicular Signal Head, 5-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	7	EACH	738	\$5,166.00	\$745.00	\$5,215.00	\$745.00	\$5,215.00
147	632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	10	EACH	480	\$4,800.00	\$538.00	\$5,380.00	\$538.00	\$5,380.00
148	632	Covering of Vehicular Signal Head	19	EACH	21	\$389.50	\$25.00	\$475.00	\$25.00	\$475.00
149	632	Covering of Pedestrian Signal Head	10	EACH	19	\$185.70	\$19.00	\$190.00	\$19.00	\$190.00
150	632	Pedestrian Push Button, As Per Plan	10	EACH	137	\$1,374.60	\$132.00	\$1,320.00	\$132.00	\$1,320.00
151	632	Signal Cable, 3-Conductor, No.14 AWG	154	L.F.	2	\$264.88	\$1.35	\$207.90	\$1.35	\$207.90
152	632	Signal Cable, 7-Conductor, No.14 AWG	2,384	L.F.	2	\$5,006.40	\$1.75	\$4,172.00	\$1.75	\$4,172.00
153	632	Interconnect, Misc.: Fiber Optic Connector	1	EACH	50	\$50.00	\$29.50	\$29.50	\$29.50	\$29.50
154	632	Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	2	EACH	125	\$250.00	\$104.00	\$208.00	\$104.00	\$208.00
155	632	Interconnect, Misc.: Fiber Optic Converter	1	EACH	635	\$635.00	\$1,045.00	\$1,045.00	\$1,045.00	\$1,045.00
156	632	Interconnect, Misc.: Fan Out Kit, 6 Fiber	2	EACH	120	\$240.00	\$27.50	\$55.00	\$27.50	\$55.00
157	632	Interconnect, Misc.: Fan Out Kit, 12 Fiber	1	EACH	150	\$150.00	\$29.70	\$29.70	\$29.70	\$29.70
158	632	Interconnect, Misc.: Termination Panel	3	EACH	330	\$990.00	\$253.00	\$759.00	\$253.00	\$759.00
159	632	Interconnect, Misc.: Drop Cable, 6 Fiber	50	L.F.	3	\$150.00	\$1.35	\$67.50	\$1.35	\$67.50
160	632	Interconnect, Misc.: Fusion Splice	1	EACH	75	\$75.00	\$20.00	\$20.00	\$20.00	\$20.00
161	632	Interconnect, Misc.: Mechanical Splice	1	EACH	75	\$75.00	\$165.00	\$165.00	\$165.00	\$165.00
162	632	Interconnect, Misc.: Splice Enclosure (Under Grade)	1	EACH	560	\$560.00	\$250.00	\$250.00	\$250.00	\$250.00
163	632	Interconnect, Misc.: Splice Enclosure (Aerial)	1	EACH	495	\$495.00	\$250.00	\$250.00	\$250.00	\$250.00
164	632	Interconnect, Misc.: Slack Installation	1	EACH	300	\$300.00	\$290.00	\$290.00	\$290.00	\$290.00
165	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 24 Fiber	3,030	L.F.	5	\$15,150.00	\$4.15	\$12,574.50	\$4.15	\$12,574.50
166	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 48 Fiber	760	L.F.	8	\$6,080.00	\$2.25	\$1,710.00	\$2.25	\$1,710.00
167	632	Interconnect, Misc.: Fiber Optic Cable Testing	1	L.S.	2,000	\$2,000.00	\$550.00	\$550.00	\$550.00	\$550.00
168	632	Signal Support Foundation	7	EACH	2,363	\$16,539.18	\$2,015.00	\$14,105.00	\$2,015.00	\$14,105.00
169	632	Pedestal Foundation	3	EACH	567	\$1,699.71	\$360.00	\$1,080.00	\$360.00	\$1,080.00
170	632	Power Cable, 2-Conductor, No. 6 AWG	101	L.F.	2	\$228.26	\$2.35	\$237.35	\$2.35	\$237.35
171	632	Power Service, As Per Plan	3	EACH	1,180	\$3,538.53	\$1,050.00	\$3,150.00	\$1,050.00	\$3,150.00
172	632	Signal Support, Type TC-81.20, Design 2, As Per Plan	2	EACH	3,845	\$7,690.00	\$4,622.00	\$9,244.00	\$4,622.00	\$9,244.00
173	632	Signal Support, Type TC-81.20, Design 12, As Per Plan	1	EACH	7,500	\$7,500.00	\$7,750.00	\$7,750.00	\$7,750.00	\$7,750.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Karvo Paving Company		**2. Liberta dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
174	632	Combination Signal Support, Type TC-81.20, Design 3, with Mast Arms TC-81.20 Design 2 and Design 1, As Per Plan	1	EACH	4,800	\$4,800.00	\$6,825.00	\$6,825.00	\$6,825.00	\$6,825.00
175	632	Combination Signal Support, Type TC-81.20, Design 2, As Per Plan	1	EACH	4,120	\$4,120.00	\$5,265.00	\$5,265.00	\$5,265.00	\$5,265.00
176	632	Combination Signal Support, Type TC-81.20, Design 11, As Per Plan	2	EACH	5,250	\$10,500.00	\$8,040.00	\$16,080.00	\$8,040.00	\$16,080.00
177	632	Pedestal, 9 Feet	1	EACH	443	\$442.50	\$520.00	\$520.00	\$520.00	\$520.00
178	632	Pedestal, 11 Feet	2	EACH	610	\$1,220.00	\$603.00	\$1,206.00	\$603.00	\$1,206.00
179	632	Removal of Traffic Signal Installation, As Per Plan	3	EACH	1,570	\$4,710.00	\$1,750.00	\$5,250.00	\$1,750.00	\$5,250.00
180	632	Signalization, Misc.: Video Detection System, As Per Plan Controller Unit, Type TS2/A2, with Cabinet, Type 76"H x 30"W x 17" Deep, 8 Phase	7	EACH	6,000	\$42,000.00	\$5,235.00	\$36,645.00	\$5,235.00	\$36,645.00
181	633	Flasher Controller	2	EACH	7,200	\$14,400.00	\$12,030.00	\$24,060.00	\$12,030.00	\$24,060.00
182	633	Cabinet Foundation, As Per Plan	1	EACH	675	\$675.00	\$630.00	\$630.00	\$630.00	\$630.00
183	633	Controller Work Pad	2	EACH	1,055	\$2,110.00	\$1,165.00	\$2,330.00	\$1,165.00	\$2,330.00
184	633	Testing and Certification of Malfunction Management Unit	2	EACH	280	\$560.00	\$210.00	\$420.00	\$210.00	\$420.00
185	633	Telephone Service	2	EACH	350	\$700.00	\$250.00	\$500.00	\$250.00	\$500.00
186	633	Solo Pro Video Detection Camera	1	EACH	550	\$550.00	\$545.00	\$545.00	\$545.00	\$545.00
187	633	Sonem Detector	1	EACH	5,000	\$5,000.00	\$3,960.00	\$3,960.00	\$3,960.00	\$3,960.00
188	633	Controller Item, Misc.: System Timing and Evaluation	2	EACH	430	\$860.00	\$490.00	\$980.00	\$490.00	\$980.00
189	633	Controller Item, Misc.: Pre-emption Priority Control	2	EACH	500	\$1,000.00	\$2,360.00	\$4,720.00	\$2,360.00	\$4,720.00
190	633	Controller Item, Misc.: Fiber Optic Ethernet Transceiver,	2	EACH	8,200	\$16,400.00	\$5,345.00	\$10,690.00	\$5,345.00	\$10,690.00
191	633	Single Mode, As Per Plan	4	EACH	3,150	\$12,600.00	\$2,425.00	\$9,700.00	\$2,425.00	\$9,700.00
192	633	Controller Item, Misc.: Controller Modification	2	EACH	3,000	\$6,000.00	\$1,458.00	\$2,916.00	\$1,458.00	\$2,916.00
193	633	Controller Item, Misc.: Uninterruptible Power Supply (UPS), 1000 Watt	1	EACH	3,900	\$3,900.00	\$6,635.00	\$6,635.00	\$6,635.00	\$6,635.00
LANDSCAPING										
194	663	Tree Planting in Lawn Area, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	23	EACH	350	\$8,050.00	\$235.00	\$5,405.00	\$235.00	\$5,405.00
195	663	Tree Planting in Lawn Area, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	24	EACH	350	\$8,400.00	\$235.00	\$5,640.00	\$235.00	\$5,640.00
196	663	Tree Planting w/ Grate, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	15	EACH	450	\$6,750.00	\$1,400.00	\$21,000.00	\$1,235.00	\$18,525.00
197	663	Tree Planting w/ Grate, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	15	EACH	450	\$6,750.00	\$1,400.00	\$21,000.00	\$1,235.00	\$18,525.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Karvo Paving Company		**2. Liberta dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
198	669	Protecting Trees	1	L.S.	1,000	\$1,000.00	\$500.00	\$500.00	\$50.00	\$50.00
MAINTENANCE OF TRAFFIC										
199	202	Concrete Median Removed	272	S.Y.	12	\$3,280.32	\$7.00	\$1,904.00	\$5.00	\$1,360.00
200	410	Traffic Compacted Surface, Type A or B	600	C.Y.	27	\$16,230.00	\$18.00	\$10,800.00	\$15.00	\$9,000.00
201	452	8" Plain Portland Cement	221	S.Y.	47	\$10,479.82	\$51.00	\$11,271.00	\$40.00	\$8,840.00
202	609	Asphalt Concrete Curb, Type 1	195	L.F.	16	\$3,038.10	\$9.00	\$1,755.00	\$8.00	\$1,560.00
203	609	Concrete Median	125	S.Y.	11	\$1,415.00	\$50.00	\$6,250.00	\$27.00	\$3,375.00
204	613	Uniformed Law Enforcement Officer	600	Hours	38	\$23,082.00	\$38.47	\$23,082.00	\$38.47	\$23,082.00
205	613	Uniformed Law Enforcement Officer with Patrol Car	600	Hours	56	\$33,738.00	\$56.23	\$33,738.00	\$56.23	\$33,738.00
206	614	Maintaining Traffic, Misc.: Planning and Implementation	1	L.S.	50,000	\$50,000.00	\$38,000.00	\$38,000.00		\$0.00
207	614	Work Zone Edge Line, Class I, 621 Paint	2	MILE	696	\$1,392.24	\$925.00	\$1,850.00	\$925.00	\$1,850.00
208	614	Work Zone Channelizing Line, Class I, 621 Paint	157	FT	1	\$135.02	\$0.85	\$133.45	\$0.85	\$133.45
209	614	Work Zone Center Line, Class I, 621 Paint	2	MILE	1,101	\$2,201.84	\$1,800.00	\$3,600.00	\$1,800.00	\$3,600.00
210	614	Work Zone Lane Arrow, Class I, 621 Paint	5	EACH	45	\$224.45	\$65.00	\$325.00	\$65.00	\$325.00
211	614	Portable Changeable Message Sign, As Per Plan	36	SIGN MONTH	1,050	\$37,800.00	\$900.00	\$32,400.00	\$50.00	\$1,800.00
212	614	Flashing Arrow Panel	4	EACH	754	\$3,016.76	\$1,500.00	\$6,000.00	\$100.00	\$400.00
213	615	Temporary Pavement	267	S.Y.	56	\$14,906.61	\$39.00	\$10,413.00	\$45.00	\$12,015.00
214	616	Water	36	M. GAL	29	\$1,027.08	\$1.00	\$36.00	\$1.00	\$36.00
215	616	Calcium Chloride	20	TON	126	\$2,512.80	\$50.00	\$1,000.00	\$1.00	\$20.00
MISC.										
216	103	Contract Performance Bond	1	L.S.	18,000	\$18,000.00	\$20,000.00	\$20,000.00	\$51,000.00	\$51,000.00
217	619	Field Office	1	L.S.	4,000	\$4,000.00	\$18,000.00	\$18,000.00	\$6,000.00	\$6,000.00
218	623	Construction Layout Stakes	1	L.S.	19,000	\$19,000.00	\$10,000.00	\$10,000.00	\$42,000.00	\$42,000.00
219	624	Mobilization	1	L.S.	54,000	\$54,000.00	\$10,000.00	\$10,000.00	\$82,000.00	\$82,000.00
ALTERNATE #1										
ALT#1	632	Controller Item, Misc.: Video Detection System, As Per Plan, Autoscope Solo Terra MVP	7	EACH	6,000	\$42,000.00	\$5,235.00	\$36,645.00	\$5,235.00	\$36,645.00
ALTERNATE #2										
ALT#2	633 2000	Controller Item, Misc.: Pre-emption Priority Control, Sonem	2	EACH	8,200	\$16,400.00	\$5,445.00	\$10,890.00	\$5,445.00	\$10,890.00
TOTAL CONSTRUCTION COSTS						\$3,023,435.27		\$2,654,325.20		\$2,663,230.21
+/- ENGINEER'S ESTIMATE								-12.2%		-11.9%
ALTERNATE #1										
TOTAL CONSTRUCTION COSTS						\$42,000.00		\$36,645.00		\$36,645.00
+/- ENGINEER'S ESTIMATE								-12.8%		-12.8%

BID TAB FOR: Manchester Road Phase 2

FILE NO. 2005-038-00

BID DATE: May 7, 2009

CODE: S05005.S05005

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	*1. Karvo Paving Company PRICE	AMOUNT	**2. Liberta dba Cioffi PRICE	AMOUNT
<u>ALTERNATE #2</u>										
TOTAL CONSTRUCTION COSTS						\$16,400.00		\$10,890.00		\$10,890.00
+/- ENGINEER'S ESTIMATE								-33.6%		-33.6%

* ODOT 2008 LPA Template #2 - Federally required EEO Certification only one "has or Has not"

circled.

** Ref. # 206 - No, amount submitted in bid book, Unofficial construction cost incorrect in bid book

*** Statement of Bidder's Qualifications form incomplete

**** ODOT's 2008 LPA Template not signed

***** Ref. #'s 42, 51, 61, 108, 109, and 115 correction neither initialed nor dated, Ref. #'s 72, 73, 191 correction initialed but not dated, EEO forms (2) incomplete, ODOT 2008 LPA Template left blank

***** ODOT 2008 LPA Template #2 Federally required EEO Certification only one "has or has not" circled

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	***3. The Shelly Company PRICE	AMOUNT	****4. Kenmore Construction PRICE	AMOUNT
ROADWAY										
1	201	Clearing and Grubbing	1	L.S.	5,000	\$5,000.00	\$20,000.00	\$20,000.00	\$500.00	\$500.00
2	202	Pavement Removed	23,431	S.Y.	5	\$112,468.80	\$6.00	\$140,586.00	\$12.50	\$292,887.50
3	202	Curb Removed	7,233	L.F.	9	\$65,097.00	\$1.15	\$8,317.95	\$1.00	\$7,233.00
4	202	Curb and Gutter Removed	278	L.F.	6	\$1,579.04	\$5.20	\$1,445.60	\$2.00	\$556.00
5	202	Walk Removed	39,161	S.F.	2	\$59,133.11	\$0.50	\$19,580.50	\$1.00	\$39,161.00
6	202	Steps Removed	134	L.F.	7	\$917.90	\$15.00	\$2,010.00	\$5.00	\$670.00
7	202	Pipe Removed, 12 Inch	590	L.F.	12	\$6,914.80	\$8.00	\$4,720.00	\$5.00	\$2,950.00
8	202	Pipe Removed, 15 Inch	158	L.F.	12	\$1,851.76	\$7.00	\$1,106.00	\$5.00	\$790.00
9	202	Pipe Removed, 18 Inch	168	L.F.	12	\$1,968.96	\$8.50	\$1,428.00	\$5.00	\$840.00
10	202	Trench Drain Removed	4	EACH	50	\$200.00	\$85.00	\$340.00	\$300.00	\$1,200.00
11	202	Catch Basin or Inlet Removed	37	EACH	226	\$8,360.52	\$225.00	\$8,325.00	\$100.00	\$3,700.00
12	202	Manhole Removed	1	EACH	427	\$426.91	\$375.00	\$375.00	\$500.00	\$500.00
13	202	Post Removed	62	EACH	20	\$1,240.00	\$30.00	\$1,860.00	\$5.00	\$310.00
14	202	Post with Chain Removed	36	EACH	30	\$1,080.00	\$50.00	\$1,800.00	\$5.00	\$180.00
15	202	Guardrail Removed	185	L.F.	2	\$334.85	\$4.50	\$832.50	\$1.00	\$185.00
16	202	Landscaping Timber Removed	125	L.F.	3	\$375.00	\$6.00	\$750.00	\$2.00	\$250.00
17	202	Wall Removed	27	L.F.	20	\$540.00	\$7.00	\$189.00	\$10.00	\$270.00
18	202	Concrete Pad Removed	3	EACH	50	\$150.00	\$275.00	\$825.00	\$100.00	\$300.00
19	202	Sign Pole Removed	1	EACH	20	\$20.00	\$200.00	\$200.00	\$100.00	\$100.00
20	202	Concrete Pedestal Removed	2	EACH	50	\$100.00	\$170.00	\$340.00	\$250.00	\$500.00
21	202	Fence Removed	50	L.F.	3	\$125.50	\$4.75	\$237.50	\$5.00	\$250.00
22	202	Commercial Sign Removed	5	EACH	100	\$500.00	\$75.00	\$375.00	\$200.00	\$1,000.00
23	202	Railroad Ties Removed	105	L.F.	5	\$525.00	\$4.00	\$420.00	\$5.00	\$525.00
24	202	Flag Pole Removed	1	EACH	50	\$50.00	\$150.00	\$150.00	\$250.00	\$250.00
25	202	Railing Removed	8	L.F.	10	\$80.00	\$20.00	\$160.00	\$10.00	\$80.00
26	202	Light Post Removed	1	EACH	75	\$75.00	\$100.00	\$100.00	\$150.00	\$150.00
27	202	Luminaire and Bracket Arm Removed	2	EACH	100	\$200.00	\$100.00	\$200.00	\$150.00	\$300.00
28	203	Excavation Not Including Embankment Construction	7,489	C.Y.	8	\$59,912.00	\$12.00	\$89,868.00	\$12.00	\$89,868.00
29	203	Embankment	1,574	C.Y.	6	\$9,444.00	\$6.00	\$9,444.00	\$10.00	\$15,740.00
30	203	Subgrade Compaction	26,817	S.Y.	1	\$28,426.02	\$0.20	\$5,363.40	\$1.00	\$26,817.00
31	203	Proof Rolling	13	HOUR	112	\$1,461.98	\$71.00	\$923.00	\$80.00	\$1,040.00
32	204	Aggregate Refill, Type 1	1,963	C.Y.	30	\$59,616.31	\$32.45	\$63,699.35	\$40.00	\$78,520.00
33	204	Geotextile Fabric	2,944	S.Y.	1	\$3,944.96	\$0.50	\$1,472.00	\$2.00	\$5,888.00
34	456	Concrete Walk, 4" Thick	1,479	S.F.	5	\$7,069.62	\$2.70	\$3,993.30	\$3.50	\$5,176.50
35	456	Concrete Walk, 6" Thick	40,709	S.F.	6	\$223,899.50	\$3.25	\$132,304.25	\$4.00	\$162,836.00
36	456	Concrete Steps	249	L.F.	69	\$17,300.52	\$92.00	\$22,908.00	\$50.00	\$12,450.00
37	456	Curb Ramp	41	EACH	320	\$13,120.41	\$375.00	\$15,375.00	\$350.00	\$14,350.00
38	622	Monument Boxes	10	EACH	744	\$7,442.80	\$535.00	\$5,350.00	\$300.00	\$3,000.00
38	SPEC	Fill and Plug Existing Conduit	20	C.Y.	23	\$461.00	\$225.00	\$4,500.00	\$10.00	\$200.00
39	SPEC	Historical Marker Removed and Reset	2	EACH	500	\$1,000.00	\$850.00	\$1,700.00	\$1,500.00	\$3,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
EROSION CONTROL										
40	207	Erosion Control	14,550	EACH	1	\$14,550.00	\$1.00	\$14,550.00	\$1.00	\$14,550.00
41	207	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	2,500	\$2,500.00	\$7,000.00	\$7,000.00	\$3,000.00	\$3,000.00
42	653	Topsoil Furnished & Placed, 4 Inch Thick	3,853	S.Y.	2	\$6,627.16	\$3.25	\$12,522.25	\$2.50	\$9,632.50
43	659	Lawn Seeding and Mulching	3,853	S.Y.	1	\$4,662.13	\$1.30	\$5,008.90	\$1.00	\$3,853.00
44	659	Soil Analysis Test	2	EACH	54	\$108.20	\$50.00	\$100.00	\$100.00	\$200.00
45	659	Repair Seeding And Mulching	193	S.Y.	0	\$92.64	\$0.50	\$96.50	\$1.00	\$193.00
46	659	Inter-Seeding	193	S.Y.	0	\$46.32	\$0.50	\$96.50	\$1.00	\$193.00
47	659	Lime	1	AC.	82	\$81.62	\$40.00	\$40.00	\$100.00	\$100.00
48	659	Commercial Fertilizer	1	TON	666	\$666.42	\$900.00	\$900.00	\$500.00	\$500.00
49	659	Water	21	M. GAL	2	\$40.74	\$5.00	\$105.00	\$1.00	\$21.00
DRAINAGE										
50	552	12" Storm Sewer, Type A, Class "B" Bedding	933	L.F.	38	\$35,006.16	\$35.00	\$32,655.00	\$45.00	\$41,985.00
51	552	18" Storm Sewer, Type A, Class "B" Bedding	158	L.F.	40	\$6,275.76	\$60.00	\$9,480.00	\$58.00	\$9,164.00
52	552	24" Storm Sewer, Type A, Class "B" Bedding	140	L.F.	73	\$10,162.60	\$64.00	\$8,960.00	\$65.00	\$9,100.00
53	552	19"x30" Storm Sewer, Type A, Class "B" Bedding	28	L.F.	125	\$3,501.96	\$125.50	\$3,514.00	\$105.00	\$2,940.00
54	556	House Drain, Complete, As Per Plan	44	EACH	45	\$1,980.00	\$45.00	\$1,980.00	\$1.00	\$44.00
55	562	Manhole MH-1A on 15" Storm Sewer	2	EACH	2,600	\$5,200.00	\$3,210.00	\$6,420.00	\$2,500.00	\$5,000.00
56	562	Manhole MH-1B on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$3,620.00	\$3,620.00	\$2,500.00	\$2,500.00
57	562	Manhole MH-1C on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$4,400.00	\$4,400.00	\$3,000.00	\$3,000.00
58	562	Manhole MH-1C on 36" Storm Sewer	4	EACH	2,600	\$10,400.00	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00
59	562	Brick Manhole Adjusted	18	EACH	326	\$5,874.84	\$450.00	\$8,100.00	\$300.00	\$5,400.00
60	563	Inlet, No. 3	2	EACH	1,100	\$2,200.00	\$2,300.00	\$4,600.00	\$1,750.00	\$3,500.00
61	563	Inlet, No. 3, Modified	1	EACH	1,100	\$1,100.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00
62	563	Inlet, No. 5	8	EACH	1,400	\$11,200.00	\$2,200.00	\$17,600.00	\$1,500.00	\$12,000.00
63	563	Inlet, No. 5, Modified	11	EACH	1,400	\$15,400.00	\$2,200.00	\$24,200.00	\$1,500.00	\$16,500.00
64	563	Inlet, Double No. 5	12	EACH	2,130	\$25,560.00	\$3,000.00	\$36,000.00	\$2,500.00	\$30,000.00
65	563	Inlet, Double No. 5, Modified	13	EACH	2,130	\$27,690.00	\$3,000.00	\$39,000.00	\$2,500.00	\$32,500.00
66	564	4" Pipe Underdrains	7,094	L.F.	5	\$36,321.28	\$6.00	\$42,564.00	\$3.00	\$21,282.00
67	Spec	Miscellaneous Metal	2,100	POUNDS	1	\$2,016.00	\$0.85	\$1,785.00	\$1.00	\$2,100.00
PAVEMENT										
68	301	3" Bituminous Aggregate Base	2	C.Y.	120	\$239.12	\$70.00	\$140.00	\$250.00	\$500.00
69	301	4 1/4" Bituminous Aggregate Base	121	C.Y.	120	\$14,466.76	\$70.00	\$8,470.00	\$150.00	\$18,150.00
70	301	9" Bituminous Aggregate Base	6,148	C.Y.	120	\$735,054.88	\$70.00	\$430,360.00	\$90.00	\$553,320.00
71	304	Aggregate Base	4,108	C.Y.	45	\$184,777.84	\$33.00	\$135,564.00	\$28.00	\$115,024.00
72	404	Asphalt Concrete, 1 1/4" Thick	17	C.Y.	299	\$5,089.12	\$108.00	\$1,836.00	\$200.00	\$3,400.00
73	407	Tack Coat	1,681	GAL	2	\$3,496.48	\$1.00	\$1,681.00	\$3.00	\$5,043.00
74	407	Tack Coat for Intermediate Course	838	GAL	2	\$1,650.86	\$1.00	\$838.00	\$3.00	\$2,514.00
75	408	Prime Coat	9,669	GAL	4	\$39,546.21	\$2.00	\$19,338.00	\$3.00	\$29,007.00
76	446	Asphalt Concrete Surface Course, Type 1, 1 1/4" Thick	742	C.Y.	159	\$117,829.60	\$108.00	\$80,136.00	\$140.00	\$103,880.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
		Asphalt Concrete Intermediate Course, Type 2, 1 3/4"								
77	448	Thick	1,019	C.Y.	129	\$131,828.03	\$100.00	\$101,900.00	\$140.00	\$142,660.00
78	452	6" Plain Portland Cement	139	S.Y.	47	\$6,571.92	\$30.80	\$4,281.20	\$50.00	\$6,950.00
79	455	Combination Curb and Gutter	7,094	L.F.	14	\$97,116.86	\$15.00	\$106,410.00	\$14.00	\$99,316.00
80	455	Curb, Type 6"x18"	430	L.F.	15	\$6,497.30	\$11.35	\$4,880.50	\$13.00	\$5,590.00
81	456	Concrete Aprons, 6" Thick	4,430	S.F.	5	\$23,036.00	\$3.30	\$14,619.00	\$4.00	\$17,720.00
82	461	Brick Pavement, Full Depth	29	S.Y.	45	\$1,305.00	\$126.00	\$3,654.00	\$70.00	\$2,030.00
WATER WORKS										
83	202	Abandoned Water Main Removed	3,425	L.F.	10	\$34,250.00	\$14.50	\$49,662.50	\$10.00	\$34,250.00
84	202	Water Main Valve Boxes Removed	1	EACH	107	\$107.00	\$700.00	\$700.00	\$50.00	\$50.00
85	252	Water Meter Adjusted	10	EACH	250	\$2,500.00	\$425.00	\$4,250.00	\$50.00	\$500.00
86	252	Water Meter Relocated	3	EACH	800	\$2,400.00	\$715.00	\$2,145.00	\$500.00	\$1,500.00
87	254	10" Water Main Ductile Iron Pipe	16	L.F.	100	\$1,600.00	\$335.00	\$5,360.00	\$200.00	\$3,200.00
88	259	10" 45 Degree Bend	8	EACH	225	\$1,800.00	\$660.00	\$5,280.00	\$300.00	\$2,400.00
89	260	Fire Hydrant Adjusted	8	EACH	741	\$5,927.28	\$1,700.00	\$13,600.00	\$500.00	\$4,000.00
90	265	Water Main Valve Boxes Adjusted	66	EACH	167	\$11,002.86	\$225.00	\$14,850.00	\$50.00	\$3,300.00
91	265	Water Main Valve Boxes Relocated	4	EACH	400	\$1,600.00	\$435.00	\$1,740.00	\$250.00	\$1,000.00
92	562	Water Manhole Adjusted	1	EACH	326	\$326.38	\$450.00	\$450.00	\$250.00	\$250.00
SANITARY WORK										
93	559	6" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	12	\$2,450.00	\$20.00	\$4,000.00	\$5.00	\$1,000.00
94	559	6" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	20	\$600.00	\$10.00	\$300.00	\$10.00	\$300.00
95	559	8" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	21	\$4,240.00	\$21.00	\$4,200.00	\$6.00	\$1,200.00
96	559	8" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	25	\$750.00	\$50.00	\$1,500.00	\$10.00	\$300.00
97	562	Brick Manhole Adjusted	20	EACH	326	\$6,527.60	\$450.00	\$9,000.00	\$350.00	\$7,000.00
LIGHTING										
96	625	Conduit, 2", 713.07	275	EACH	8	\$2,200.00	\$3.00	\$825.00	\$2.00	\$550.00
97	625	Conduit Riser, 2"	2	EACH	750	\$1,500.00	\$200.00	\$400.00	\$250.00	\$500.00
98	625	Connector Kit, Fused	4	EACH	100	\$400.00	\$50.00	\$200.00	\$60.00	\$240.00
99	625	Underground Mole Connector	10	EACH	100	\$1,000.00	\$50.00	\$500.00	\$60.00	\$600.00
100	625	Pull Box, Misc.: 13"x24"x18" Deep, 713.06, As Per Plan Luminaire, Conventional 250 Watt, High Pressure Sodium	5	EACH	750	\$3,750.00	\$400.00	\$2,000.00	\$320.00	\$1,600.00
101	625	Cobra Luminaire, As Per Plan	4	EACH	800	\$3,200.00	\$350.00	\$1,400.00	\$320.00	\$1,280.00
102	625	No. 10 AWG Pole and Bracket Cable	400	L.F.	2	\$800.00	\$0.60	\$240.00	\$1.00	\$400.00
103	625	No. 4 AWG 600 Volt Distribution Cable	700	L.F.	4	\$2,800.00	\$1.25	\$875.00	\$1.00	\$700.00
104	625	Bracket Arm, 10 Feet	1	EACH	600	\$600.00	\$400.00	\$400.00	\$300.00	\$300.00
105	625	Bracket Arm, 12 Feet	1	EACH	600	\$600.00	\$450.00	\$450.00	\$750.00	\$750.00
106	625	Bracket Arm, 16 Feet	2	EACH	1,000	\$2,000.00	\$750.00	\$1,500.00	\$800.00	\$1,600.00

TRAFFIC CONTROL

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
107	621	Lane Lines, 4 Inch	2	MILE	393	\$785.10	\$471.00	\$942.00	\$500.00	\$1,000.00
108	621	Center Lines, Solid, Double	1	MILE	601	\$601.29	\$732.00	\$732.00	\$700.00	\$700.00
109	621	Channelizing Lines	395	L.F.	1	\$288.35	\$0.55	\$217.25	\$1.00	\$395.00
110	621	Crosswalk Lines	864	L.F.	2	\$1,425.60	\$2.00	\$1,728.00	\$1.00	\$864.00
111	621	Stop Lines, 24 Inch	182	L.F.	4	\$702.52	\$2.50	\$455.00	\$3.00	\$546.00
112	621	Transverse Lines, Yellow, 24" @ 12' O.C.	409	L.F.	2	\$932.52	\$2.25	\$920.25	\$2.00	\$818.00
113	621	Island Marking, Yellow	64	S.F.	2	\$101.76	\$2.00	\$128.00	\$1.00	\$64.00
114	621	Lane Arrows	9	EACH	55	\$491.58	\$45.00	\$405.00	\$50.00	\$450.00
115	621	Dotted Lines, 4 Inch	247	L.F.	1	\$321.10	\$1.00	\$247.00	\$1.00	\$247.00
116	629	Street Name Sign	31	EACH	78	\$2,408.08	\$110.00	\$3,410.00	\$100.00	\$3,100.00
117	629	Street Name Sign Pole	15	EACH	103	\$1,543.65	\$170.00	\$2,550.00	\$150.00	\$2,250.00
118	630	Removal of Overhead Mounted Sign and Storage	4	EACH	99	\$394.72	\$95.00	\$380.00	\$90.00	\$360.00
119	630	Removal of Pole Mounted Sign and Storage	18	EACH	17	\$313.20	\$15.00	\$270.00	\$10.00	\$180.00
120	630	Removal of Pole Mounted Sign and Re-Erection	28	EACH	63	\$1,750.00	\$30.00	\$840.00	\$25.00	\$700.00
121	630	Removal of Ground Mounted Sign and Storage	37	EACH	15	\$569.43	\$15.00	\$555.00	\$10.00	\$370.00
122	630	Removal of Ground Mounted Sign and Re-Erection	38	EACH	35	\$1,314.80	\$30.00	\$1,140.00	\$25.00	\$950.00
123	630	Removal of Ground Mounted Post Support	45	EACH	11	\$495.90	\$25.00	\$1,125.00	\$20.00	\$900.00
124	630	Ground Mounted Supports, No. 2 Post	762	L.F.	9	\$6,842.76	\$6.35	\$4,838.70	\$6.00	\$4,572.00
125	630	Ground Mounted Supports, No. 3 Post	240	L.F.	9	\$2,268.00	\$6.45	\$1,548.00	\$6.00	\$1,440.00
126	630	Sign Support Assembly, Pole	2	EACH	98	\$195.72	\$55.00	\$110.00	\$50.00	\$100.00
127	630	Sign, Flat Sheet	161	S.F.	15	\$2,460.08	\$15.80	\$2,543.80	\$14.00	\$2,254.00
128	630	Signing, Misc.: Warning Beacon Removed	6	EACH	75	\$450.00	\$100.00	\$600.00	\$90.00	\$540.00
TRAFFIC SIGNALS										
129	625	Trench	698	L.F.	5	\$3,476.04	\$4.00	\$2,792.00	\$4.00	\$2,792.00
130	625	Trench in Paved Areas, Type A	5	L.F.	18	\$90.45	\$25.00	\$125.00	\$50.00	\$250.00
131	625	Ground Rod	7	EACH	176	\$1,234.10	\$110.00	\$770.00	\$100.00	\$700.00
132	625	Ground Rod, As Per Plan	3	EACH	190	\$570.00	\$125.00	\$375.00	\$100.00	\$300.00
133	625	Plastic Caution Tape	703	L.F.	0	\$112.48	\$0.10	\$70.30	\$0.50	\$351.50
134	625	Conduit, 3", 713.07	185	L.F.	17	\$3,083.95	\$3.00	\$555.00	\$2.00	\$370.00
135	625	Conduit, 3", 713.07 Concrete Encased	523	L.F.	13	\$6,929.75	\$10.00	\$5,230.00	\$5.00	\$2,615.00
136	625	Pull Box, Misc.: Pullbox, 713.06, 24" x 36" x 24" Deep, As Per Plan	6	EACH	725	\$4,350.00	\$550.00	\$3,300.00	\$650.00	\$3,900.00
137	625	Pull Box, Misc.: Pullbox, 713.06, 30" x 48" x 24" Deep, As Per Plan	7	EACH	1,200	\$8,400.00	\$850.00	\$5,950.00	\$850.00	\$5,950.00
138	630	Sign Hanger Assembly, Mast Arm	8	EACH	230	\$1,837.68	\$200.00	\$1,600.00	\$300.00	\$2,400.00
139	630	Sign, Flat Sheet	72	S.F.	15	\$1,100.16	\$25.00	\$1,800.00	\$25.00	\$1,800.00
140	631	School Speed Limit Sign Assembly, 24" x 48" Vehicular Signal Head, (LED), 1-Section, 12" LENS, 1 Way, As Per Plan	2	EACH	920	\$1,840.00	\$1,000.00	\$2,000.00	\$950.00	\$1,900.00
141	632	Way, As Per Plan	4	EACH	360	\$1,440.00	\$400.00	\$1,600.00	\$350.00	\$1,400.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
142	632	Vehicular Signal Head, (LED), 3-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	12	EACH	720	\$8,640.00	\$725.00	\$8,700.00	\$650.00	\$7,800.00
143	632	Vehicular Signal Head, (LED), 5-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	3	EACH	1,200	\$3,600.00	\$950.00	\$2,850.00	\$900.00	\$2,700.00
144	632	12" Green LED, Dialight XL Series	10	EACH	58	\$580.00	\$80.00	\$800.00	\$50.00	\$500.00
145	632	Vehicular Signal Head, 3-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	10	EACH	462	\$4,620.00	\$450.00	\$4,500.00	\$420.00	\$4,200.00
146	632	Vehicular Signal Head, 5-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	7	EACH	738	\$5,166.00	\$750.00	\$5,250.00	\$700.00	\$4,900.00
147	632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	10	EACH	480	\$4,800.00	\$650.00	\$6,500.00	\$500.00	\$5,000.00
148	632	Covering of Vehicular Signal Head	19	EACH	21	\$389.50	\$10.00	\$190.00	\$15.00	\$285.00
149	632	Covering of Pedestrian Signal Head	10	EACH	19	\$185.70	\$10.00	\$100.00	\$20.00	\$200.00
150	632	Pedestrian Push Button, As Per Plan	10	EACH	137	\$1,374.60	\$125.00	\$1,250.00	\$125.00	\$1,250.00
151	632	Signal Cable, 3-Conductor, No.14 AWG	154	L.F.	2	\$264.88	\$1.00	\$154.00	\$1.00	\$154.00
152	632	Signal Cable, 7-Conductor, No.14 AWG	2,384	L.F.	2	\$5,006.40	\$1.75	\$4,172.00	\$1.25	\$2,980.00
153	632	Interconnect, Misc.: Fiber Optic Connector	1	EACH	50	\$50.00	\$80.00	\$80.00	\$25.00	\$25.00
154	632	Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	2	EACH	125	\$250.00	\$150.00	\$300.00	\$100.00	\$200.00
155	632	Interconnect, Misc.: Fiber Optic Converter	1	EACH	635	\$635.00	\$1,500.00	\$1,500.00	\$900.00	\$900.00
156	632	Interconnect, Misc.: Fan Out Kit, 6 Fiber	2	EACH	120	\$240.00	\$200.00	\$400.00	\$25.00	\$50.00
157	632	Interconnect, Misc.: Fan Out Kit, 12 Fiber	1	EACH	150	\$150.00	\$200.00	\$200.00	\$25.00	\$25.00
158	632	Interconnect, Misc.: Termination Panel	3	EACH	330	\$990.00	\$400.00	\$1,200.00	\$250.00	\$750.00
159	632	Interconnect, Misc.: Drop Cable, 6 Fiber	50	L.F.	3	\$150.00	\$2.20	\$110.00	\$1.00	\$50.00
160	632	Interconnect, Misc.: Fusion Splice	1	EACH	75	\$75.00	\$70.00	\$70.00	\$25.00	\$25.00
161	632	Interconnect, Misc.: Mechanical Splice	1	EACH	75	\$75.00	\$500.00	\$500.00	\$150.00	\$150.00
162	632	Interconnect, Misc.: Splice Enclosure (Under Grade)	1	EACH	560	\$560.00	\$450.00	\$450.00	\$200.00	\$200.00
163	632	Interconnect, Misc.: Splice Enclosure (Aerial)	1	EACH	495	\$495.00	\$450.00	\$450.00	\$200.00	\$200.00
164	632	Interconnect, Misc.: Slack Installation	1	EACH	300	\$300.00	\$400.00	\$400.00	\$250.00	\$250.00
165	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 24 Fiber	3,030	L.F.	5	\$15,150.00	\$3.10	\$9,393.00	\$3.75	\$11,362.50
166	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 48 Fiber	760	L.F.	8	\$6,080.00	\$3.65	\$2,774.00	\$2.00	\$1,520.00
167	632	Interconnect, Misc.: Fiber Optic Cable Testing	1	L.S.	2,000	\$2,000.00	\$1,500.00	\$1,500.00	\$500.00	\$500.00
168	632	Signal Support Foundation	7	EACH	2,363	\$16,539.18	\$2,000.00	\$14,000.00	\$1,700.00	\$11,900.00
169	632	Pedestal Foundation	3	EACH	567	\$1,699.71	\$500.00	\$1,500.00	\$320.00	\$960.00
170	632	Power Cable, 2-Conductor, No. 6 AWG	101	L.F.	2	\$228.26	\$3.00	\$303.00	\$2.00	\$202.00
171	632	Power Service, As Per Plan	3	EACH	1,180	\$3,538.53	\$1,000.00	\$3,000.00	\$1,000.00	\$3,000.00
172	632	Signal Support, Type TC-81.20, Design 2, As Per Plan	2	EACH	3,845	\$7,690.00	\$4,300.00	\$8,600.00	\$4,000.00	\$8,000.00
173	632	Signal Support, Type TC-81.20, Design 12, As Per Plan	1	EACH	7,500	\$7,500.00	\$7,000.00	\$7,000.00	\$6,900.00	\$6,900.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
174	632	Combination Signal Support, Type TC-81.20, Design 3, with Mast Arms TC-81.20 Design 2 and Design 1, As Per Plan	1	EACH	4,800	\$4,800.00	\$6,100.00	\$6,100.00	\$6,500.00	\$6,500.00
175	632	Combination Signal Support, Type TC-81.20, Design 2, As Per Plan	1	EACH	4,120	\$4,120.00	\$4,700.00	\$4,700.00	\$5,000.00	\$5,000.00
176	632	Combination Signal Support, Type TC-81.20, Design 11, As Per Plan	2	EACH	5,250	\$10,500.00	\$7,300.00	\$14,600.00	\$7,500.00	\$15,000.00
177	632	Pedestal, 9 Feet	1	EACH	443	\$442.50	\$450.00	\$450.00	\$500.00	\$500.00
178	632	Pedestal, 11 Feet	2	EACH	610	\$1,220.00	\$525.00	\$1,050.00	\$520.00	\$1,040.00
179	632	Removal of Traffic Signal Installation, As Per Plan	3	EACH	1,570	\$4,710.00	\$800.00	\$2,400.00	\$1,500.00	\$4,500.00
180	632	Signalization, Misc.: Video Detection System, As Per Plan Controller Unit, Type TS2/A2, with Cabinet, Type 76"H x 30"W x 17" Deep, 8 Phase	7	EACH	6,000	\$42,000.00	\$6,400.00	\$44,800.00	\$4,900.00	\$34,300.00
181	633	Flasher Controller	2	EACH	7,200	\$14,400.00	\$11,300.00	\$22,600.00	\$11,000.00	\$22,000.00
182	633	Cabinet Foundation, As Per Plan	1	EACH	675	\$675.00	\$500.00	\$500.00	\$600.00	\$600.00
183	633	Controller Work Pad	2	EACH	1,055	\$2,110.00	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00
184	633	Testing and Certification of Malfunction Management Unit	2	EACH	280	\$560.00	\$200.00	\$400.00	\$200.00	\$400.00
185	633	Telephone Service	2	EACH	350	\$700.00	\$350.00	\$700.00	\$200.00	\$400.00
186	633	Solo Pro Video Detection Camera	1	EACH	550	\$550.00	\$500.00	\$500.00	\$500.00	\$500.00
187	633	Sonem Detector	1	EACH	5,000	\$5,000.00	\$3,600.00	\$3,600.00	\$3,500.00	\$3,500.00
188	633	Controller Item, Misc.: System Timing and Evaluation	2	EACH	430	\$860.00	\$450.00	\$900.00	\$450.00	\$900.00
189	633	Controller Item, Misc.: Pre-emption Priority Control	2	EACH	500	\$1,000.00	\$2,500.00	\$5,000.00	\$2,000.00	\$4,000.00
190	633	Controller Item, Misc.: Fiber Optic Ethernet Transceiver, Single Mode, As Per Plan	2	EACH	8,200	\$16,400.00	\$7,000.00	\$14,000.00	\$5,000.00	\$10,000.00
191	633	Controller Item, Misc.: Controller Modification	4	EACH	3,150	\$12,600.00	\$2,450.00	\$9,800.00	\$2,000.00	\$8,000.00
192	633	Controller Item, Misc.: Uninterruptible Power Supply (UPS), 1000 Watt	2	EACH	3,000	\$6,000.00	\$1,500.00	\$3,000.00	\$1,400.00	\$2,800.00
193	633	1000 Watt	1	EACH	3,900	\$3,900.00	\$6,600.00	\$6,600.00	\$6,000.00	\$6,000.00
LANDSCAPING										
194	663	Tree Planting in Lawn Area, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	23	EACH	350	\$8,050.00	\$235.00	\$5,405.00	\$200.00	\$4,600.00
195	663	Tree Planting in Lawn Area, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	24	EACH	350	\$8,400.00	\$235.00	\$5,640.00	\$200.00	\$4,800.00
196	663	Tree Planting w/ Grate, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	15	EACH	450	\$6,750.00	\$235.00	\$3,525.00	\$1,500.00	\$22,500.00
197	663	Tree Planting w/ Grate, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	15	EACH	450	\$6,750.00	\$235.00	\$3,525.00	\$1,500.00	\$22,500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		***3. The Shelly Company		****4. Kenmore Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
198	669	Protecting Trees	1	L.S.	1,000	\$1,000.00	\$800.00	\$800.00	\$100.00	\$100.00
MAINTENANCE OF TRAFFIC										
199	202	Concrete Median Removed	272	S.Y.	12	\$3,280.32	\$8.50	\$2,312.00	\$5.00	\$1,360.00
200	410	Traffic Compacted Surface, Type A or B	600	C.Y.	27	\$16,230.00	\$28.50	\$17,100.00	\$15.00	\$9,000.00
201	452	8" Plain Portland Cement	221	S.Y.	47	\$10,479.82	\$48.50	\$10,718.50	\$20.00	\$4,420.00
202	609	Asphalt Concrete Curb, Type 1	195	L.F.	16	\$3,038.10	\$15.00	\$2,925.00	\$5.00	\$975.00
203	609	Concrete Median	125	S.Y.	11	\$1,415.00	\$55.00	\$6,875.00	\$20.00	\$2,500.00
204	613	Uniformed Law Enforcement Officer	600	Hours	38	\$23,082.00	\$38.47	\$23,082.00	\$38.47	\$23,082.00
205	613	Uniformed Law Enforcement Officer with Patrol Car	600	Hours	56	\$33,738.00	\$56.23	\$33,738.00	\$56.23	\$33,738.00
206	614	Maintaining Traffic, Misc.: Planning and Implementation	1	L.S.	50,000	\$50,000.00	\$216,645.00	\$216,645.00	\$30,000.00	\$30,000.00
207	614	Work Zone Edge Line, Class I, 621 Paint	2	MILE	696	\$1,392.24	\$1,059.00	\$2,118.00	\$1,000.00	\$2,000.00
208	614	Work Zone Channelizing Line, Class I, 621 Paint	157	FT	1	\$135.02	\$0.55	\$86.35	\$1.00	\$157.00
209	614	Work Zone Center Line, Class I, 621 Paint	2	MILE	1,101	\$2,201.84	\$1,204.00	\$2,408.00	\$1,200.00	\$2,400.00
210	614	Work Zone Lane Arrow, Class I, 621 Paint	5	EACH	45	\$224.45	\$55.00	\$275.00	\$60.00	\$300.00
211	614	Portable Changeable Message Sign, As Per Plan	36	SIGN MONTH	1,050	\$37,800.00	\$700.00	\$25,200.00	\$500.00	\$18,000.00
212	614	Flashing Arrow Panel	4	EACH	754	\$3,016.76	\$500.00	\$2,000.00	\$100.00	\$400.00
213	615	Temporary Pavement	267	S.Y.	56	\$14,906.61	\$45.00	\$12,015.00	\$10.00	\$2,670.00
214	616	Water	36	M. GAL	29	\$1,027.08	\$1.00	\$36.00	\$1.00	\$36.00
215	616	Calcium Chloride	20	TON	126	\$2,512.80	\$100.00	\$2,000.00	\$100.00	\$2,000.00
MISC.										
216	103	Contract Performance Bond	1	L.S.	18,000	\$18,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00
217	619	Field Office	1	L.S.	4,000	\$4,000.00	\$15,000.00	\$15,000.00	\$3,500.00	\$3,500.00
218	623	Construction Layout Stakes	1	L.S.	19,000	\$19,000.00	\$30,000.00	\$30,000.00	\$25,000.00	\$25,000.00
219	624	Mobilization	1	L.S.	54,000	\$54,000.00	\$75,000.00	\$75,000.00	\$50,000.00	\$50,000.00

ALTERNATE #1

ALT#1	632	Controller Item, Misc.: Video Detection System, As Per Plan, Autoscope Solo Terra MVP	7	EACH	6,000	\$42,000.00	\$5,235.00	\$36,645.00	\$6,500.00	\$45,500.00
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ALTERNATE #2

ALT#2	633 2000	Controller Item, Misc.: Pre-emption Priority Control, Sonem	2	EACH	8,200	\$16,400.00	\$5,445.00	\$10,890.00	\$6,700.00	\$13,400.00
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TOTAL CONSTRUCTION COSTS \$3,023,435.27 \$2,728,282.85 \$2,736,799.50

+/- ENGINEER'S ESTIMATE -9.8% -9.5%

ALTERNATE #1

TOTAL CONSTRUCTION COSTS \$42,000.00 \$36,645.00 \$45,500.00

+/- ENGINEER'S ESTIMATE -12.8% +8.3%

BID TAB FOR: Manchester Road Phase 2

FILE NO. 2005-038-00

BID DATE: May 7, 2009

CODE: S05005.S05005

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	***3. The Shelly Company PRICE	AMOUNT	****4. Kenmore Construction PRICE	AMOUNT
ALTERNATE #2										
TOTAL CONSTRUCTION COSTS						\$16,400.00		\$10,890.00		\$13,400.00
+/- ENGINEER'S ESTIMATE								-33.6%		-18.3%

* ODOT 2008 LPA Template #2 - Federally required EEO Certification only one "has or Has not"

circled.

** Ref. # 206 - No, amount submitted in bid book, Unofficial construction cost incorrect in bid book

*** Statement of Bidder's Qualifications form incomplete

**** ODOT's 2008 LPA Template not signed

***** Ref. #'s 42, 51, 61, 108, 109, and 115 correction neither initialed nor dated, Ref. #'s 72, 73, 191 correction initialed but not dated, EEO forms (2) incomplete, ODOT 2008 LPA Template left blank

***** ODOT 2008 LPA Template #2 Federally required EEO Certification only one "has or has not" circled

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY										
1	201	Clearing and Grubbing	1	L.S.	5,000	\$5,000.00	\$16,200.00	\$16,200.00	\$38,798.00	\$38,798.00
2	202	Pavement Removed	23,431	S.Y.	5	\$112,468.80	\$9.93	\$232,669.83	\$7.20	\$168,703.20
3	202	Curb Removed	7,233	L.F.	9	\$65,097.00	\$1.09	\$7,883.97	\$3.50	\$25,315.50
4	202	Curb and Gutter Removed	278	L.F.	6	\$1,579.04	\$2.12	\$589.36	\$4.75	\$1,320.50
5	202	Walk Removed	39,161	S.F.	2	\$59,133.11	\$0.61	\$23,888.21	\$1.00	\$39,161.00
6	202	Steps Removed	134	L.F.	7	\$917.90	\$11.67	\$1,563.78	\$24.00	\$3,216.00
7	202	Pipe Removed, 12 Inch	590	L.F.	12	\$6,914.80	\$8.28	\$4,885.20	\$7.90	\$4,661.00
8	202	Pipe Removed, 15 Inch	158	L.F.	12	\$1,851.76	\$13.00	\$2,054.00	\$8.70	\$1,374.60
9	202	Pipe Removed, 18 Inch	168	L.F.	12	\$1,968.96	\$13.00	\$2,184.00	\$11.00	\$1,848.00
10	202	Trench Drain Removed	4	EACH	50	\$200.00	\$250.00	\$1,000.00	\$342.00	\$1,368.00
11	202	Catch Basin or Inlet Removed	37	EACH	226	\$8,360.52	\$300.00	\$11,100.00	\$350.00	\$12,950.00
12	202	Manhole Removed	1	EACH	427	\$426.91	\$350.00	\$350.00	\$512.00	\$512.00
13	202	Post Removed	62	EACH	20	\$1,240.00	\$50.00	\$3,100.00	\$12.00	\$744.00
14	202	Post with Chain Removed	36	EACH	30	\$1,080.00	\$75.00	\$2,700.00	\$14.00	\$504.00
15	202	Guardrail Removed	185	L.F.	2	\$334.85	\$4.00	\$740.00	\$4.00	\$740.00
16	202	Landscaping Timber Removed	125	L.F.	3	\$375.00	\$20.00	\$2,500.00	\$3.00	\$375.00
17	202	Wall Removed	27	L.F.	20	\$540.00	\$75.00	\$2,025.00	\$21.00	\$567.00
18	202	Concrete Pad Removed	3	EACH	50	\$150.00	\$200.00	\$600.00	\$428.00	\$1,284.00
19	202	Sign Pole Removed	1	EACH	20	\$20.00	\$100.00	\$100.00	\$325.00	\$325.00
20	202	Concrete Pedestal Removed	2	EACH	50	\$100.00	\$200.00	\$400.00	\$21.00	\$42.00
21	202	Fence Removed	50	L.F.	3	\$125.50	\$4.00	\$200.00	\$4.00	\$200.00
22	202	Commercial Sign Removed	5	EACH	100	\$500.00	\$250.00	\$1,250.00	\$568.00	\$2,840.00
23	202	Railroad Ties Removed	105	L.F.	5	\$525.00	\$20.00	\$2,100.00	\$4.00	\$420.00
24	202	Flag Pole Removed	1	EACH	50	\$50.00	\$300.00	\$300.00	\$323.00	\$323.00
25	202	Railing Removed	8	L.F.	10	\$80.00	\$25.00	\$200.00	\$24.00	\$192.00
26	202	Light Post Removed	1	EACH	75	\$75.00	\$165.00	\$165.00	\$287.00	\$287.00
27	202	Luminaire and Bracket Arm Removed	2	EACH	100	\$200.00	\$185.00	\$370.00	\$244.00	\$488.00
28	203	Excavation Not Including Embankment Construction	7,489	C.Y.	8	\$59,912.00	\$11.53	\$86,348.17	\$18.25	\$136,674.25
29	203	Embankment	1,574	C.Y.	6	\$9,444.00	\$2.00	\$3,148.00	\$14.50	\$22,823.00
30	203	Subgrade Compaction	26,817	S.Y.	1	\$28,426.02	\$0.65	\$17,431.05	\$1.00	\$26,817.00
31	203	Proof Rolling	13	HOUR	112	\$1,461.98	\$81.00	\$1,053.00	\$142.00	\$1,846.00
32	204	Aggregate Refill, Type 1	1,963	C.Y.	30	\$59,616.31	\$34.86	\$68,430.18	\$16.90	\$33,174.70
33	204	Geotextile Fabric	2,944	S.Y.	1	\$3,944.96	\$2.50	\$7,360.00	\$1.70	\$5,004.80
34	456	Concrete Walk, 4" Thick	1,479	S.F.	5	\$7,069.62	\$3.42	\$5,058.18	\$3.50	\$5,176.50
35	456	Concrete Walk, 6" Thick	40,709	S.F.	6	\$223,899.50	\$3.91	\$159,172.19	\$4.00	\$162,836.00
36	456	Concrete Steps	249	L.F.	69	\$17,300.52	\$137.40	\$34,212.60	\$124.00	\$30,876.00
37	456	Curb Ramp	41	EACH	320	\$13,120.41	\$270.00	\$11,070.00	\$450.00	\$18,450.00
38	622	Monument Boxes	10	EACH	744	\$7,442.80	\$700.00	\$7,000.00	\$672.00	\$6,720.00
38	SPEC	Fill and Plug Existing Conduit	20	C.Y.	23	\$461.00	\$84.40	\$1,688.00	\$200.00	\$4,000.00
39	SPEC	Historical Marker Removed and Reset	2	EACH	500	\$1,000.00	\$500.00	\$1,000.00	\$564.00	\$1,128.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
EROSION CONTROL										
40	207	Erosion Control	14,550	EACH	1	\$14,550.00	\$1.00	\$14,550.00	\$1.00	\$14,550.00
41	207	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	2,500	\$2,500.00	\$2,500.00	\$2,500.00	\$14,550.00	\$14,550.00
42	653	Topsoil Furnished & Placed, 4 Inch Thick	3,853	S.Y.	2	\$6,627.16	\$3.08	\$11,867.24	\$14.00	\$53,942.00
43	659	Lawn Seeding and Mulching	3,853	S.Y.	1	\$4,662.13	\$0.94	\$3,621.82	\$1.90	\$7,320.70
44	659	Soil Analysis Test	2	EACH	54	\$108.20	\$270.00	\$540.00	\$112.00	\$224.00
45	659	Repair Seeding And Mulching	193	S.Y.	0	\$92.64	\$3.78	\$729.54	\$0.60	\$115.80
46	659	Inter-Seeding	193	S.Y.	0	\$46.32	\$4.32	\$833.76	\$0.60	\$115.80
47	659	Lime	1	AC.	82	\$81.62	\$324.00	\$324.00	\$424.00	\$424.00
48	659	Commercial Fertilizer	1	TON	666	\$666.42	\$1,728.00	\$1,728.00	\$324.00	\$324.00
49	659	Water	21	M. GAL	2	\$40.74	\$48.60	\$1,020.60	\$1.00	\$21.00
DRAINAGE										
50	552	12" Storm Sewer, Type A, Class "B" Bedding	933	L.F.	38	\$35,006.16	\$42.94	\$40,063.02	\$47.50	\$44,317.50
51	552	18" Storm Sewer, Type A, Class "B" Bedding	158	L.F.	40	\$6,275.76	\$66.79	\$10,552.82	\$54.90	\$8,674.20
52	552	24" Storm Sewer, Type A, Class "B" Bedding	140	L.F.	73	\$10,162.60	\$64.59	\$9,042.60	\$64.60	\$9,044.00
53	552	19"x30" Storm Sewer, Type A, Class "B" Bedding	28	L.F.	125	\$3,501.96	\$128.56	\$3,599.68	\$79.40	\$2,223.20
54	556	House Drain, Complete, As Per Plan	44	EACH	45	\$1,980.00	\$675.88	\$29,738.72	\$348.00	\$15,312.00
55	562	Manhole MH-1A on 15" Storm Sewer	2	EACH	2,600	\$5,200.00	\$3,142.23	\$6,284.46	\$2,144.00	\$4,288.00
56	562	Manhole MH-1B on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$3,585.03	\$3,585.03	\$2,786.00	\$2,786.00
57	562	Manhole MH-1C on 24" Storm Sewer	1	EACH	2,600	\$2,600.00	\$5,493.52	\$5,493.52	\$3,244.00	\$3,244.00
58	562	Manhole MH-1C on 36" Storm Sewer	4	EACH	2,600	\$10,400.00	\$7,608.11	\$30,432.44	\$3,768.00	\$15,072.00
59	562	Brick Manhole Adjusted	18	EACH	326	\$5,874.84	\$319.64	\$5,753.52	\$400.00	\$7,200.00
60	563	Inlet, No. 3	2	EACH	1,100	\$2,200.00	\$1,637.09	\$3,274.18	\$1,769.00	\$3,538.00
61	563	Inlet, No. 3, Modified	1	EACH	1,100	\$1,100.00	\$1,637.09	\$1,637.09	\$1,988.00	\$1,988.00
62	563	Inlet, No. 5	8	EACH	1,400	\$11,200.00	\$1,377.89	\$11,023.12	\$2,452.00	\$19,616.00
63	563	Inlet, No. 5, Modified	11	EACH	1,400	\$15,400.00	\$1,377.89	\$15,156.79	\$2,766.00	\$30,426.00
64	563	Inlet, Double No. 5	12	EACH	2,130	\$25,560.00	\$2,472.67	\$29,672.04	\$3,245.00	\$38,940.00
65	563	Inlet, Double No. 5, Modified	13	EACH	2,130	\$27,690.00	\$2,472.67	\$32,144.71	\$3,652.00	\$47,476.00
66	564	4" Pipe Underdrains	7,094	L.F.	5	\$36,321.28	\$6.99	\$49,587.06	\$6.00	\$42,564.00
67	Spec	Miscellaneous Metal	2,100	POUNDS	1	\$2,016.00	\$1.51	\$3,171.00	\$1.25	\$2,625.00
PAVEMENT										
68	301	3" Bituminous Aggregate Base	2	C.Y.	120	\$239.12	\$108.00	\$216.00	\$379.00	\$758.00
69	301	4 1/4" Bituminous Aggregate Base	121	C.Y.	120	\$14,466.76	\$108.00	\$13,068.00	\$164.00	\$19,844.00
70	301	9" Bituminous Aggregate Base	6,148	C.Y.	120	\$735,054.88	\$108.00	\$663,984.00	\$98.00	\$602,504.00
71	304	Aggregate Base	4,108	C.Y.	45	\$184,777.84	\$31.52	\$129,484.16	\$36.00	\$147,888.00
72	404	Asphalt Concrete, 1 1/4" Thick	17	C.Y.	299	\$5,089.12	\$135.00	\$2,295.00	\$299.00	\$5,083.00
73	407	Tack Coat	1,681	GAL	2	\$3,496.48	\$1.08	\$1,815.48	\$2.70	\$4,538.70
74	407	Tack Coat for Intermediate Course	838	GAL	2	\$1,650.86	\$1.08	\$905.04	\$2.70	\$2,262.60
75	408	Prime Coat	9,669	GAL	4	\$39,546.21	\$2.16	\$20,885.04	\$3.40	\$32,874.60
76	446	Asphalt Concrete Surface Course, Type 1, 1 1/4" Thick	742	C.Y.	159	\$117,829.60	\$135.00	\$100,170.00	\$148.00	\$109,816.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
		Asphalt Concrete Intermediate Course, Type 2, 1 3/4"								
77	448	Thick	1,019	C.Y.	129	\$131,828.03	\$135.00	\$137,565.00	\$124.00	\$126,356.00
78	452	6" Plain Portland Cement	139	S.Y.	47	\$6,571.92	\$31.59	\$4,391.01	\$36.00	\$5,004.00
79	455	Combination Curb and Gutter	7,094	L.F.	14	\$97,116.86	\$11.83	\$83,922.02	\$14.70	\$104,281.80
80	455	Curb, Type 6"x18"	430	L.F.	15	\$6,497.30	\$15.12	\$6,501.60	\$14.00	\$6,020.00
81	456	Concrete Aprons, 6" Thick	4,430	S.F.	5	\$23,036.00	\$3.51	\$15,549.30	\$36.00	\$159,480.00
82	461	Brick Pavement, Full Depth	29	S.Y.	45	\$1,305.00	\$81.00	\$2,349.00	\$198.00	\$5,742.00
WATER WORKS										
83	202	Abandoned Water Main Removed	3,425	L.F.	10	\$34,250.00	\$8.43	\$28,872.75	\$4.90	\$16,782.50
84	202	Water Main Valve Boxes Removed	1	EACH	107	\$107.00	\$103.02	\$103.02	\$48.00	\$48.00
85	252	Water Meter Adjusted	10	EACH	250	\$2,500.00	\$238.43	\$2,384.30	\$112.00	\$1,120.00
86	252	Water Meter Relocated	3	EACH	800	\$2,400.00	\$1,099.39	\$3,298.17	\$244.00	\$732.00
87	254	10" Water Main Ductile Iron Pipe	16	L.F.	100	\$1,600.00	\$96.86	\$1,549.76	\$76.00	\$1,216.00
88	259	10" 45 Degree Bend	8	EACH	225	\$1,800.00	\$496.47	\$3,971.76	\$248.00	\$1,984.00
89	260	Fire Hydrant Adjusted	8	EACH	741	\$5,927.28	\$833.83	\$6,670.64	\$1,121.00	\$8,968.00
90	265	Water Main Valve Boxes Adjusted	66	EACH	167	\$11,002.86	\$169.75	\$11,203.50	\$44.00	\$2,904.00
91	265	Water Main Valve Boxes Relocated	4	EACH	400	\$1,600.00	\$457.30	\$1,829.20	\$148.00	\$592.00
92	562	Water Manhole Adjusted	1	EACH	326	\$326.38	\$222.36	\$222.36	\$288.00	\$288.00
SANITARY WORK										
93	559	6" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	12	\$2,450.00	\$66.09	\$13,218.00	\$21.20	\$4,240.00
94	559	6" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	20	\$600.00	\$148.94	\$4,468.20	\$24.70	\$741.00
95	559	8" Pipe Reconnections, 707.20, Class "NR" Bedding	200	L.F.	21	\$4,240.00	\$64.84	\$12,968.00	\$23.70	\$4,740.00
96	559	8" Pipe Bends, 707.20, Class "NR" Bedding	30	EACH	25	\$750.00	\$164.35	\$4,930.50	\$21.60	\$648.00
97	562	Brick Manhole Adjusted	20	EACH	326	\$6,527.60	\$569.08	\$11,381.60	\$248.00	\$4,960.00
LIGHTING										
96	625	Conduit, 2", 713.07	275	EACH	8	\$2,200.00	\$2.05	\$563.75	\$2.00	\$550.00
97	625	Conduit Riser, 2"	2	EACH	750	\$1,500.00	\$298.08	\$596.16	\$288.00	\$576.00
98	625	Connector Kit, Fused	4	EACH	100	\$400.00	\$54.00	\$216.00	\$53.00	\$212.00
99	625	Underground Mole Connector	10	EACH	100	\$1,000.00	\$59.40	\$594.00	\$59.00	\$590.00
100	625	Pull Box, Misc.: 13"x24"x18" Deep, 713.06, As Per Plan Luminaire, Conventional 250 Watt, High Pressure Sodium	5	EACH	750	\$3,750.00	\$382.32	\$1,911.60	\$356.00	\$1,780.00
101	625	Cobra Luminaire, As Per Plan	4	EACH	800	\$3,200.00	\$351.00	\$1,404.00	\$333.00	\$1,332.00
102	625	No. 10 AWG Pole and Bracket Cable	400	L.F.	2	\$800.00	\$0.81	\$324.00	\$1.00	\$400.00
103	625	No. 4 AWG 600 Volt Distribution Cable	700	L.F.	4	\$2,800.00	\$1.84	\$1,288.00	\$2.00	\$1,400.00
104	625	Bracket Arm, 10 Feet	1	EACH	600	\$600.00	\$342.36	\$342.36	\$342.00	\$342.00
105	625	Bracket Arm, 12 Feet	1	EACH	600	\$600.00	\$879.12	\$879.12	\$827.00	\$827.00
106	625	Bracket Arm, 16 Feet	2	EACH	1,000	\$2,000.00	\$974.16	\$1,948.32	\$918.00	\$1,836.00

TRAFFIC CONTROL

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
107	621	Lane Lines, 4 Inch	2	MILE	393	\$785.10	\$594.00	\$1,188.00	\$472.00	\$944.00
108	621	Center Lines, Solid, Double	1	MILE	601	\$601.29	\$972.00	\$972.00	\$732.00	\$732.00
109	621	Channelizing Lines	395	L.F.	1	\$288.35	\$0.86	\$339.70	\$0.60	\$237.00
110	621	Crosswalk Lines	864	L.F.	2	\$1,425.60	\$1.67	\$1,442.88	\$2.00	\$1,728.00
111	621	Stop Lines, 24 Inch	182	L.F.	4	\$702.52	\$3.19	\$580.58	\$2.60	\$473.20
112	621	Transverse Lines, Yellow, 24" @ 12' O.C.	409	L.F.	2	\$932.52	\$2.21	\$903.89	\$2.30	\$940.70
113	621	Island Marking, Yellow	64	S.F.	2	\$101.76	\$2.11	\$135.04	\$2.00	\$128.00
114	621	Lane Arrows	9	EACH	55	\$491.58	\$66.96	\$602.64	\$46.00	\$414.00
115	621	Dotted Lines, 4 Inch	247	L.F.	1	\$321.10	\$2.16	\$533.52	\$1.00	\$247.00
116	629	Street Name Sign	31	EACH	78	\$2,408.08	\$102.60	\$3,180.60	\$110.00	\$3,410.00
117	629	Street Name Sign Pole	15	EACH	103	\$1,543.65	\$162.00	\$2,430.00	\$179.00	\$2,685.00
118	630	Removal of Overhead Mounted Sign and Storage	4	EACH	99	\$394.72	\$54.00	\$216.00	\$98.00	\$392.00
119	630	Removal of Pole Mounted Sign and Storage	18	EACH	17	\$313.20	\$10.80	\$194.40	\$18.00	\$324.00
120	630	Removal of Pole Mounted Sign and Re-Erection	28	EACH	63	\$1,750.00	\$70.20	\$1,965.60	\$32.00	\$896.00
121	630	Removal of Ground Mounted Sign and Storage	37	EACH	15	\$569.43	\$21.60	\$799.20	\$17.00	\$629.00
122	630	Removal of Ground Mounted Sign and Re-Erection	38	EACH	35	\$1,314.80	\$81.00	\$3,078.00	\$32.00	\$1,216.00
123	630	Removal of Ground Mounted Post Support	45	EACH	11	\$495.90	\$32.40	\$1,458.00	\$26.00	\$1,170.00
124	630	Ground Mounted Supports, No. 2 Post	762	L.F.	9	\$6,842.76	\$5.40	\$4,114.80	\$6.40	\$4,876.80
125	630	Ground Mounted Supports, No. 3 Post	240	L.F.	9	\$2,268.00	\$5.94	\$1,425.60	\$6.50	\$1,560.00
126	630	Sign Support Assembly, Pole	2	EACH	98	\$195.72	\$81.00	\$162.00	\$55.00	\$110.00
127	630	Sign, Flat Sheet	161	S.F.	15	\$2,460.08	\$15.12	\$2,434.32	\$16.00	\$2,576.00
128	630	Signing, Misc.: Warning Beacon Removed	6	EACH	75	\$450.00	\$648.00	\$3,888.00	\$109.00	\$654.00
TRAFFIC SIGNALS										
129	625	Trench	698	L.F.	5	\$3,476.04	\$4.64	\$3,238.72	\$5.00	\$3,490.00
130	625	Trench in Paved Areas, Type A	5	L.F.	18	\$90.45	\$39.96	\$199.80	\$51.00	\$255.00
131	625	Ground Rod	7	EACH	176	\$1,234.10	\$125.28	\$876.96	\$118.00	\$826.00
132	625	Ground Rod, As Per Plan	3	EACH	190	\$570.00	\$130.68	\$392.04	\$123.00	\$369.00
133	625	Plastic Caution Tape	703	L.F.	0	\$112.48	\$0.49	\$344.47	\$0.50	\$351.50
134	625	Conduit, 3", 713.07	185	L.F.	17	\$3,083.95	\$3.24	\$599.40	\$3.00	\$555.00
135	625	Conduit, 3", 713.07 Concrete Encased	523	L.F.	13	\$6,929.75	\$6.48	\$3,389.04	\$6.00	\$3,138.00
136	625	Pull Box, Misc.: Pullbox, 713.06, 24" x 36" x 24" Deep, As Per Plan	6	EACH	725	\$4,350.00	\$770.04	\$4,620.24	\$715.00	\$4,290.00
137	625	Pull Box, Misc.: Pullbox, 713.06, 30" x 48" x 24" Deep, As Per Plan	7	EACH	1,200	\$8,400.00	\$1,024.92	\$7,174.44	\$954.00	\$6,678.00
138	630	Sign Hanger Assembly, Mast Arm	8	EACH	230	\$1,837.68	\$243.00	\$1,944.00	\$329.00	\$2,632.00
139	630	Sign, Flat Sheet	72	S.F.	15	\$1,100.16	\$16.20	\$1,166.40	\$37.00	\$2,664.00
140	631	School Speed Limit Sign Assembly, 24" x 48" Vehicular Signal Head, (LED), 1-Section, 12" LENS, 1	2	EACH	920	\$1,840.00	\$1,134.00	\$2,268.00	\$1,100.00	\$2,200.00
141	632	Way, As Per Plan	4	EACH	360	\$1,440.00	\$426.60	\$1,706.40	\$400.00	\$1,600.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
142	632	Vehicular Signal Head, (LED), 3-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	12	EACH	720	\$8,640.00	\$764.64	\$9,175.68	\$724.00	\$8,688.00
143	632	Vehicular Signal Head, (LED), 5-Section, 12" LENS, 1 Way, Polycarbonate, As Per Plan	3	EACH	1,200	\$3,600.00	\$1,107.00	\$3,321.00	\$1,030.00	\$3,090.00
144	632	12" Green LED, Dialight XL Series	10	EACH	58	\$580.00	\$85.59	\$855.90	\$83.00	\$830.00
145	632	Vehicular Signal Head, 3-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	10	EACH	462	\$4,620.00	\$496.80	\$4,968.00	\$470.00	\$4,700.00
146	632	Vehicular Signal Head, 5-Section, Polycarbonate Yellow, with LED, Rigid Mount Hardware	7	EACH	738	\$5,166.00	\$804.60	\$5,632.20	\$750.00	\$5,250.00
147	632	Pedestrian Signal Head, (LED), Type D2, As Per Plan	10	EACH	480	\$4,800.00	\$581.04	\$5,810.40	\$550.00	\$5,500.00
148	632	Covering of Vehicular Signal Head	19	EACH	21	\$389.50	\$27.00	\$513.00	\$32.00	\$608.00
149	632	Covering of Pedestrian Signal Head	10	EACH	19	\$185.70	\$20.52	\$205.20	\$22.00	\$220.00
150	632	Pedestrian Push Button, As Per Plan	10	EACH	137	\$1,374.60	\$142.56	\$1,425.60	\$148.00	\$1,480.00
151	632	Signal Cable, 3-Conductor, No.14 AWG	154	L.F.	2	\$264.88	\$1.46	\$224.84	\$1.50	\$231.00
152	632	Signal Cable, 7-Conductor, No.14 AWG	2,384	L.F.	2	\$5,006.40	\$1.89	\$4,505.76	\$1.90	\$4,529.60
153	632	Interconnect, Misc.: Fiber Optic Connector	1	EACH	50	\$50.00	\$31.86	\$31.86	\$30.00	\$30.00
154	632	Interconnect, Misc.: Fiber Optic Patch Cord, 4 Fiber	2	EACH	125	\$250.00	\$112.32	\$224.64	\$109.00	\$218.00
155	632	Interconnect, Misc.: Fiber Optic Converter	1	EACH	635	\$635.00	\$1,128.60	\$1,128.60	\$1,060.00	\$1,060.00
156	632	Interconnect, Misc.: Fan Out Kit, 6 Fiber	2	EACH	120	\$240.00	\$29.70	\$59.40	\$30.00	\$60.00
157	632	Interconnect, Misc.: Fan Out Kit, 12 Fiber	1	EACH	150	\$150.00	\$32.08	\$32.08	\$30.00	\$30.00
158	632	Interconnect, Misc.: Termination Panel	3	EACH	330	\$990.00	\$273.24	\$819.72	\$264.00	\$792.00
159	632	Interconnect, Misc.: Drop Cable, 6 Fiber	50	L.F.	3	\$150.00	\$1.46	\$73.00	\$1.70	\$85.00
160	632	Interconnect, Misc.: Fusion Splice	1	EACH	75	\$75.00	\$21.60	\$21.60	\$22.00	\$22.00
161	632	Interconnect, Misc.: Mechanical Splice	1	EACH	75	\$75.00	\$178.20	\$178.20	\$168.00	\$168.00
162	632	Interconnect, Misc.: Splice Enclosure (Under Grade)	1	EACH	560	\$560.00	\$270.00	\$270.00	\$254.00	\$254.00
163	632	Interconnect, Misc.: Splice Enclosure (Aerial)	1	EACH	495	\$495.00	\$270.00	\$270.00	\$254.00	\$254.00
164	632	Interconnect, Misc.: Slack Installation	1	EACH	300	\$300.00	\$313.20	\$313.20	\$300.00	\$300.00
165	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 24 Fiber	3,030	L.F.	5	\$15,150.00	\$4.48	\$13,574.40	\$4.30	\$13,029.00
166	632	Interconnect, Misc.: Fiber Optic Interconnect Cable, 48 Fiber	760	L.F.	8	\$6,080.00	\$2.43	\$1,846.80	\$2.30	\$1,748.00
167	632	Interconnect, Misc.: Fiber Optic Cable Testing	1	L.S.	2,000	\$2,000.00	\$594.00	\$594.00	\$560.00	\$560.00
168	632	Signal Support Foundation	7	EACH	2,363	\$16,539.18	\$2,176.20	\$15,233.40	\$2,100.00	\$14,700.00
169	632	Pedestal Foundation	3	EACH	567	\$1,699.71	\$388.80	\$1,166.40	\$400.00	\$1,200.00
170	632	Power Cable, 2-Conductor, No. 6 AWG	101	L.F.	2	\$228.26	\$2.54	\$256.54	\$2.50	\$252.50
171	632	Power Service, As Per Plan	3	EACH	1,180	\$3,538.53	\$1,134.00	\$3,402.00	\$1,100.00	\$3,300.00
172	632	Signal Support, Type TC-81.20, Design 2, As Per Plan	2	EACH	3,845	\$7,690.00	\$4,991.76	\$9,983.52	\$4,700.00	\$9,400.00
173	632	Signal Support, Type TC-81.20, Design 12, As Per Plan	1	EACH	7,500	\$7,500.00	\$8,370.00	\$8,370.00	\$7,800.00	\$7,800.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
174	632	Combination Signal Support, Type TC-81.20, Design 3, with Mast Arms TC-81.20 Design 2 and Design 1, As Per Plan	1	EACH	4,800	\$4,800.00	\$7,371.00	\$7,371.00	\$6,900.00	\$6,900.00
175	632	Combination Signal Support, Type TC-81.20, Design 2, As Per Plan	1	EACH	4,120	\$4,120.00	\$5,686.20	\$5,686.20	\$5,300.00	\$5,300.00
176	632	Combination Signal Support, Type TC-81.20, Design 11, As Per Plan	2	EACH	5,250	\$10,500.00	\$8,683.20	\$17,366.40	\$8,120.00	\$16,240.00
177	632	Pedestal, 9 Feet	1	EACH	443	\$442.50	\$561.60	\$561.60	\$530.00	\$530.00
178	632	Pedestal, 11 Feet	2	EACH	610	\$1,220.00	\$651.24	\$1,302.48	\$626.00	\$1,252.00
179	632	Removal of Traffic Signal Installation, As Per Plan	3	EACH	1,570	\$4,710.00	\$1,890.00	\$5,670.00	\$2,100.00	\$6,300.00
180	632	Signalization, Misc.: Video Detection System, As Per Plan	7	EACH	6,000	\$42,000.00	\$5,653.80	\$39,576.60	\$5,400.00	\$37,800.00
181	633	Controller Unit, Type TS2/A2, with Cabinet, Type 76"H x 30"W x 17" Deep, 8 Phase	2	EACH	7,200	\$14,400.00	\$12,992.40	\$25,984.80	\$13,242.00	\$26,484.00
182	633	Flasher Controller	1	EACH	675	\$675.00	\$680.40	\$680.40	\$650.00	\$650.00
183	633	Cabinet Foundation, As Per Plan	2	EACH	1,055	\$2,110.00	\$1,258.20	\$2,516.40	\$1,200.00	\$2,400.00
184	633	Controller Work Pad	2	EACH	280	\$560.00	\$226.80	\$453.60	\$240.00	\$480.00
185	633	Testing and Certification of Malfunction Management Unit	2	EACH	350	\$700.00	\$270.00	\$540.00	\$260.00	\$520.00
186	633	Telephone Service	1	EACH	550	\$550.00	\$588.60	\$588.60	\$560.00	\$560.00
187	633	Solo Pro Video Detection Camera	1	EACH	5,000	\$5,000.00	\$4,276.80	\$4,276.80	\$4,000.00	\$4,000.00
188	633	Sonem Detector	2	EACH	430	\$860.00	\$529.20	\$1,058.40	\$512.00	\$1,024.00
189	633	Controller Item, Misc.: System Timing and Evaluation	2	EACH	500	\$1,000.00	\$2,548.80	\$5,097.60	\$2,400.00	\$4,800.00
190	633	Controller Item, Misc.: Pre-emption Priority Control	2	EACH	8,200	\$16,400.00	\$5,772.60	\$11,545.20	\$5,400.00	\$10,800.00
191	633	Controller Item, Misc.: Fiber Optic Ethernet Transceiver, Single Mode, As Per Plan	4	EACH	3,150	\$12,600.00	\$2,619.00	\$10,476.00	\$2,500.00	\$10,000.00
192	633	Controller Item, Misc.: Controller Modification	2	EACH	3,000	\$6,000.00	\$1,574.64	\$3,149.28	\$1,470.00	\$2,940.00
193	633	Controller Item, Misc.: Uninterruptible Power Supply (UPS), 1000 Watt	1	EACH	3,900	\$3,900.00	\$7,165.80	\$7,165.80	\$6,700.00	\$6,700.00
LANDSCAPING										
194	663	Tree Planting in Lawn Area, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	23	EACH	350	\$8,050.00	\$302.40	\$6,955.20	\$400.00	\$9,200.00
195	663	Tree Planting in Lawn Area, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	24	EACH	350	\$8,400.00	\$302.40	\$7,257.60	\$424.00	\$10,176.00
196	663	Tree Planting w/ Grate, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	15	EACH	450	\$6,750.00	\$302.40	\$4,536.00	\$1,890.00	\$28,350.00
197	663	Tree Planting w/ Grate, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	15	EACH	450	\$6,750.00	\$302.40	\$4,536.00	\$1,890.00	\$28,350.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*****5. Mr. Excavator Inc.		*****6. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
198	669	Protecting Trees	1	L.S.	1,000	\$1,000.00	\$3,000.00	\$3,000.00	\$1,121.00	\$1,121.00
MAINTENANCE OF TRAFFIC										
199	202	Concrete Median Removed	272	S.Y.	12	\$3,280.32	\$8.13	\$2,211.36	\$24.00	\$6,528.00
200	410	Traffic Compacted Surface, Type A or B	600	C.Y.	27	\$16,230.00	\$50.00	\$30,000.00	\$36.00	\$21,600.00
201	452	8" Plain Portland Cement	221	S.Y.	47	\$10,479.82	\$46.44	\$10,263.24	\$54.00	\$11,934.00
202	609	Asphalt Concrete Curb, Type 1	195	L.F.	16	\$3,038.10	\$4.32	\$842.40	\$8.00	\$1,560.00
203	609	Concrete Median	125	S.Y.	11	\$1,415.00	\$59.40	\$7,425.00	\$65.00	\$8,125.00
204	613	Uniformed Law Enforcement Officer	600	Hours	38	\$23,082.00	\$38.47	\$23,082.00	\$38.47	\$23,082.00
205	613	Uniformed Law Enforcement Officer with Patrol Car	600	Hours	56	\$33,738.00	\$56.23	\$33,738.00	\$56.23	\$33,738.00
206	614	Maintaining Traffic, Misc.: Planning and Implementation	1	L.S.	50,000	\$50,000.00	\$48,060.00	\$48,060.00	\$42,546.00	\$42,546.00
207	614	Work Zone Edge Line, Class I, 621 Paint	2	MILE	696	\$1,392.24	\$999.00	\$1,998.00	\$1,070.00	\$2,140.00
208	614	Work Zone Channelizing Line, Class I, 621 Paint	157	FT	1	\$135.02	\$0.92	\$144.44	\$0.70	\$109.90
209	614	Work Zone Center Line, Class I, 621 Paint	2	MILE	1,101	\$2,201.84	\$1,944.00	\$3,888.00	\$1,260.00	\$2,520.00
210	614	Work Zone Lane Arrow, Class I, 621 Paint	5	EACH	45	\$224.45	\$70.20	\$351.00	\$60.00	\$300.00
211	614	Portable Changeable Message Sign, As Per Plan	36	SIGN MONTH	1,050	\$37,800.00	\$972.00	\$34,992.00	\$650.00	\$23,400.00
212	614	Flashing Arrow Panel	4	EACH	754	\$3,016.76	\$8,100.00	\$32,400.00	\$2,132.00	\$8,528.00
213	615	Temporary Pavement	267	S.Y.	56	\$14,906.61	\$216.00	\$57,672.00	\$21.00	\$5,607.00
214	616	Water	36	M. GAL	29	\$1,027.08	\$162.00	\$5,832.00	\$4.00	\$144.00
215	616	Calcium Chloride	20	TON	126	\$2,512.80	\$216.00	\$4,320.00	\$150.00	\$3,000.00
MISC.										
216	103	Contract Performance Bond	1	L.S.	18,000	\$18,000.00	\$30,000.00	\$30,000.00	\$42,349.00	\$42,349.00
217	619	Field Office	1	L.S.	4,000	\$4,000.00	\$17,500.00	\$17,500.00	\$4,252.00	\$4,252.00
218	623	Construction Layout Stakes	1	L.S.	19,000	\$19,000.00	\$22,140.00	\$22,140.00	\$22,879.00	\$22,879.00
219	624	Mobilization	1	L.S.	54,000	\$54,000.00	\$25,000.00	\$25,000.00	\$43,256.00	\$43,256.00
ALTERNATE #1										
Controller Item, Misc.: Video Detection System, As Per										
ALT#1	632	Plan, Autoscope Solo Terra MVP	7	EACH	6,000	\$42,000.00	\$5,653.80	\$39,576.60	\$5,432.00	\$38,024.00
ALTERNATE #2										
Controller Item, Misc.: Pre-emption Priority Control, Sonem										
ALT#2	633	2000	2	EACH	8,200	\$16,400.00	\$5,880.60	\$11,761.20	\$5,657.00	\$11,314.00
TOTAL CONSTRUCTION COSTS						\$3,023,435.27		\$3,075,919.22		\$3,223,522.65
+/- ENGINEER'S ESTIMATE								+1.7%		+6.6%
ALTERNATE #1										
TOTAL CONSTRUCTION COSTS						\$42,000.00		\$39,576.60		\$38,024.00
+/- ENGINEER'S ESTIMATE								-5.8%		-9.5%

BID TAB FOR: Manchester Road Phase 2

FILE NO. 2005-038-00

BID DATE: May 7, 2009

CODE: S05005.S05005

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	AMOUNT	*****5. Mr. Excavator Inc. PRICE	AMOUNT	*****6. Wenger Excavating PRICE	AMOUNT
<u>ALTERNATE #2</u>										
TOTAL CONSTRUCTION COSTS						\$16,400.00		\$11,761.20		\$11,314.00
+/- ENGINEER'S ESTIMATE								-28.3%		-31.0%

* ODOT 2008 LPA Template #2 - Federally required EEO Certification only one "has or Has not" circled.

** Ref. # 206 - No, amount submitted in bid book, Unofficial construction cost incorrect in bid book

*** Statement of Bidder's Qualifications form incomplete

**** ODOT's 2008 LPA Template not signed

***** Ref. #'s 42, 51, 61, 108, 109, and 115 correction neither initialed nor dated, Ref. #'s 72, 73, 191 correction initialed but not dated, EEO forms (2) incomplete, ODOT 2008 LPA Template left blank

***** ODOT 2008 LPA Template #2 Federally required EEO Certification only one "has or has not" circled