

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		*2. Liberta dba Cioffi		3. Fechko Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$50,000.00	\$50,000.00	\$58,000.00	\$58,000.00	\$35,000.00	\$35,000.00
2	614	Maintaining Traffic, Phase 1	1	L.S.	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$40,500.00	\$40,500.00	\$35,000.00	\$35,000.00
3	614	Maintaining Traffic, Phase 2	1	L.S.	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$40,500.00	\$40,500.00	\$35,000.00	\$35,000.00
4	619	Field Office	1	L.S.	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00	\$7,000.00	\$7,000.00	\$15,000.00	\$15,000.00
5	623	Construction Layout Stakes	1	L.S.	\$35,000.00	\$35,000.00	\$50,000.00	\$50,000.00	\$114,000.00	\$114,000.00	\$40,000.00	\$40,000.00
6	624	Mobilization	1	L.S.	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$42,000.00	\$42,000.00	\$54,000.00	\$54,000.00
Martha Avenue Sta. 9+00 to North End Including Underground Utilities throughout entire project limits (i.e., AT&T, First Energy, Time Warner Cable, First Communications, Verizon)												
7	201	Trees Removed, 2", including grate	4	EACH	\$300.00	\$1,200.00	\$100.00	\$400.00	\$25.00	\$100.00	\$100.00	\$400.00
8	202	Pipe Removed, 12 inch	100	L.F.	\$5.00	\$500.00	\$10.00	\$1,000.00	\$0.01	\$1.00	\$9.50	\$950.00
9	202	Pipe Abandoned and Filled, 12 inch Storm Sewer	271	L.F.	\$5.00	\$1,355.00	\$15.00	\$4,065.00	\$4.00	\$1,084.00	\$25.00	\$6,775.00
10	202	Pipe Abandoned and Filled, 15 inch Storm Sewer	375	L.F.	\$5.00	\$1,875.00	\$15.00	\$5,625.00	\$8.00	\$3,000.00	\$16.00	\$6,000.00
11	202	Pipe Abandoned and Filled, 15 inch Sanitary Sewer	135	L.F.	\$5.00	\$675.00	\$10.00	\$1,350.00	\$10.00	\$1,350.00	\$41.00	\$5,535.00
12	202	Pipe Abandoned and Filled, 18 inch Storm Sewer	115	L.F.	\$5.00	\$575.00	\$10.00	\$1,150.00	\$12.00	\$1,380.00	\$23.00	\$2,645.00
13	202	Pipe Abandoned and Filled, 21 inch Storm Sewer	306	L.F.	\$5.00	\$1,530.00	\$15.00	\$4,590.00	\$13.00	\$3,978.00	\$50.00	\$15,300.00
14	202	Pipe Abandoned and Filled, 24 inch Sanitary Sewer	400	L.F.	\$15.00	\$6,000.00	\$15.00	\$6,000.00	\$14.00	\$5,600.00	\$45.00	\$18,000.00
15	202	Pipe Abandoned and Filled, 30 inch Sanitary Sewer	600	L.F.	\$25.00	\$15,000.00	\$20.00	\$12,000.00	\$18.00	\$10,800.00	\$51.00	\$30,600.00
16	202	Pipe Abandoned and Filled, 78 inch CSO	400	L.F.	\$125.00	\$50,000.00	\$80.00	\$32,000.00	\$47.00	\$18,800.00	\$240.00	\$96,000.00
17	202	Pipe Abandoned and Filled, 132 inch x 66 inch Box	600	L.F.	\$250.00	\$150,000.00	\$120.00	\$72,000.00	\$47.00	\$28,200.00	\$135.00	\$81,000.00
18	202	Manhole Removed	8	EACH	\$200.00	\$1,600.00	\$200.00	\$1,600.00	\$350.00	\$2,800.00	\$350.00	\$2,800.00
19	202	Catch Basin or Inlet Removed	14	EACH	\$150.00	\$2,100.00	\$50.00	\$700.00	\$250.00	\$3,500.00	\$300.00	\$4,200.00
20	202	Hydrant Removed	3	EACH	\$350.00	\$1,050.00	\$50.00	\$150.00	\$150.00	\$450.00	\$500.00	\$1,500.00
21	202	Valve Removed	1	EACH	\$150.00	\$150.00	\$100.00	\$100.00	\$250.00	\$250.00	\$250.00	\$250.00
22	202	Water Main Removed	60	L.F.	\$5.00	\$300.00	\$1.00	\$60.00	\$12.00	\$720.00	\$11.00	\$660.00
23	202	Pull Box Removed	6	EACH	\$200.00	\$1,200.00	\$100.00	\$600.00	\$25.00	\$150.00	\$50.00	\$300.00
24	202	Street Lighting Assembly Removed for Storage	26	EACH	\$150.00	\$3,900.00	\$150.00	\$3,900.00	\$186.00	\$4,836.00	\$505.00	\$13,130.00
25	203	Excavation Including Embankment Construction	7620	C.Y.	\$30.00	\$228,600.00	\$7.00	\$53,340.00	\$10.00	\$76,200.00	\$10.00	\$76,200.00
26	203	Borrow	400	C.Y.	\$8.00	\$3,200.00	\$0.01	\$4.00	\$1.00	\$400.00	\$0.10	\$40.00
27	203	Proof Rolling	16	HOUR	\$100.00	\$1,600.00	\$80.00	\$1,280.00	\$10.00	\$160.00	\$125.00	\$2,000.00
28	203	Aggregate Refill, Type 1 (Limestone Only)	3500	C.Y.	\$40.00	\$140,000.00	\$30.00	\$105,000.00	\$39.00	\$136,500.00	\$27.00	\$94,500.00
29	203	Aggregate Refill, Type 2 (Limestone Only)	1090	C.Y.	\$40.00	\$43,600.00	\$32.00	\$34,880.00	\$41.00	\$44,690.00	\$34.00	\$37,060.00
30	207	Straw or Hay Bales	50	EACH	\$5.00	\$250.00	\$5.00	\$250.00	\$1.00	\$50.00	\$6.00	\$300.00
31	207	Filter Fabric Fence	4000	L.F.	\$2.50	\$10,000.00	\$0.50	\$2,000.00	\$0.01	\$40.00	\$2.00	\$8,000.00
32	207	Temporary Seeding and Mulching	500	S.Y.	\$1.00	\$500.00	\$0.10	\$50.00	\$0.05	\$25.00	\$1.25	\$625.00
33	254	6" Ductile Iron Pipe	20	L.F.	\$50.00	\$1,000.00	\$60.00	\$1,200.00	\$65.00	\$1,300.00	\$89.00	\$1,780.00
34	254	8" Ductile Iron Pipe	360	L.F.	\$60.00	\$21,600.00	\$50.00	\$18,000.00	\$40.00	\$14,400.00	\$60.00	\$21,600.00
35	254	12" Ductile Iron Pipe	115	L.F.	\$70.00	\$8,050.00	\$75.00	\$8,625.00	\$52.00	\$5,980.00	\$59.00	\$6,785.00
36	258	6" Valve	2	EACH	\$650.00	\$1,300.00	\$550.00	\$1,100.00	\$540.00	\$1,080.00	\$600.00	\$1,200.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
37	258	8" Valve	1	EACH	\$800.00	\$800.00	\$750.00	\$750.00	\$800.00	\$800.00	\$950.00	\$950.00
38	258	12" Valve	2	EACH	\$900.00	\$1,800.00	\$1,500.00	\$3,000.00	\$1,440.00	\$2,880.00	\$1,700.00	\$3,400.00
39	259	Special Casting, 6" 45 degree bend	3	EACH	\$200.00	\$600.00	\$125.00	\$375.00	\$110.00	\$330.00	\$175.00	\$525.00
40	259	Special Casting, 6" 90 degree bend	1	EACH	\$250.00	\$250.00	\$130.00	\$130.00	\$120.00	\$120.00	\$180.00	\$180.00
41	259	Special Casting, 8" 45 degree bend	7	EACH	\$200.00	\$1,400.00	\$200.00	\$1,400.00	\$1,500.00	\$10,500.00	\$225.00	\$1,575.00
42	259	Special Casting, 12" 11-1/4 degree bend	1	EACH	\$300.00	\$300.00	\$325.00	\$325.00	\$270.00	\$270.00	\$350.00	\$350.00
43	259	Special Casting, 12" 45 degree bend	8	EACH	\$300.00	\$2,400.00	\$350.00	\$2,800.00	\$1,150.00	\$9,200.00	\$450.00	\$3,600.00
44	259	Special Casting, 12"x6" Tee	1	EACH	\$450.00	\$450.00	\$400.00	\$400.00	\$350.00	\$350.00	\$500.00	\$500.00
45	259	Special Casting, 12"x8" Tee	1	EACH	\$550.00	\$550.00	\$425.00	\$425.00	\$400.00	\$400.00	\$500.00	\$500.00
46	259	Special Casting, 12"x12" Tee	1	EACH	\$600.00	\$600.00	\$500.00	\$500.00	\$500.00	\$500.00	\$650.00	\$650.00
47	259	Special Casting, 8" Solid Sleeve	1	EACH	\$600.00	\$600.00	\$200.00	\$200.00	\$150.00	\$150.00	\$225.00	\$225.00
48	259	Special Casting, 12" Solid Sleeve	2	EACH	\$350.00	\$700.00	\$300.00	\$600.00	\$300.00	\$600.00	\$400.00	\$800.00
49	259	Special Casting, 8"x6" Reducer	1	EACH	\$350.00	\$350.00	\$125.00	\$125.00	\$135.00	\$135.00	\$200.00	\$200.00
50	259	Special Casting, 12" Plug	1	EACH	\$300.00	\$300.00	\$175.00	\$175.00	\$350.00	\$350.00	\$150.00	\$150.00
51	260	Fire Hydrants	4	EACH	\$2,500.00	\$10,000.00	\$1,900.00	\$7,600.00	\$3,000.00	\$12,000.00	\$3,000.00	\$12,000.00
52	261	Polyethylene encasement, 6" pipe	20	L.F.	\$2.00	\$40.00	\$0.50	\$10.00	\$0.01	\$0.20	\$0.35	\$7.00
53	261	Polyethylene encasement, 8" pipe	360	L.F.	\$2.00	\$720.00	\$0.50	\$180.00	\$0.01	\$3.60	\$0.35	\$126.00
54	261	Polyethylene encasement, 12" pipe	115	L.F.	\$2.00	\$230.00	\$0.50	\$57.50	\$0.01	\$1.15	\$1.00	\$115.00
55	263	Tying Into Existing 6" Main	3	EACH	\$800.00	\$2,400.00	\$750.00	\$2,250.00	\$600.00	\$1,800.00	\$1,900.00	\$5,700.00
56	263	Tying Into Existing 8" Main	2	EACH	\$800.00	\$1,600.00	\$750.00	\$1,500.00	\$600.00	\$1,200.00	\$1,900.00	\$3,800.00
57	263	Tying Into Existing 12" Main	3	EACH	\$800.00	\$2,400.00	\$1,000.00	\$3,000.00	\$600.00	\$1,800.00	\$2,200.00	\$6,600.00
58	265	Water Main Valve Boxes Adjusted	15	EACH	\$60.00	\$900.00	\$50.00	\$750.00	\$5.00	\$75.00	\$160.00	\$2,400.00
59	301	7-3/4 inch Bituminous Aggregate Base	2157	C.Y.	\$95.00	\$204,915.00	\$75.00	\$161,775.00	\$91.00	\$196,287.00	\$106.00	\$228,642.00
60	407	Tack Coat	1946	GAL.	\$3.00	\$5,838.00	\$1.50	\$2,919.00	\$1.80	\$3,502.80	\$1.80	\$3,502.80
61	407	Tack Coat for Intermediate Course	973	GAL.	\$3.00	\$2,919.00	\$1.50	\$1,459.50	\$1.80	\$1,751.40	\$1.80	\$1,751.40
62	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	836	C.Y.	\$110.00	\$91,960.00	\$100.00	\$83,600.00	\$107.00	\$89,452.00	\$113.00	\$94,468.00
63	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	349	C.Y.	\$130.00	\$45,370.00	\$120.00	\$41,880.00	\$126.00	\$43,974.00	\$117.00	\$40,833.00
64	454	Temporary Concrete Barrier	100	L.F.	\$30.00	\$3,000.00	\$15.00	\$1,500.00	\$1.00	\$100.00	\$40.00	\$4,000.00
65	455	Curb, Type 6" X 18"	5097	L.F.	\$15.00	\$76,455.00	\$13.00	\$66,261.00	\$10.00	\$50,970.00	\$10.00	\$50,970.00
66	455	Curb, Concrete Header, 24"x24", with Footer	200	L.F.	\$100.00	\$20,000.00	\$75.00	\$15,000.00	\$45.00	\$9,000.00	\$80.00	\$16,000.00
67	456	Concrete Walk, 6 inches Thick	26220	S.F.	\$5.00	\$131,100.00	\$4.00	\$104,880.00	\$3.75	\$98,325.00	\$3.20	\$83,904.00
68	456	Curb Ramps	2	EACH	\$350.00	\$700.00	\$500.00	\$1,000.00	\$150.00	\$300.00	\$440.00	\$880.00
69	460	Brick Walk	1300	S.F.	\$30.00	\$39,000.00	\$15.00	\$19,500.00	\$12.00	\$15,600.00	\$7.00	\$9,100.00
70	552	12 inch RCP Storm Sewer, Class 'B' Bedding	630	L.F.	\$50.00	\$31,500.00	\$45.00	\$28,350.00	\$50.00	\$31,500.00	\$31.00	\$19,530.00
71	552	15 inch RCP Storm Sewer, Class 'B' Bedding (installation only, pipe supplied by City)	227	L.F.	\$30.00	\$6,810.00	\$25.00	\$5,675.00	\$50.00	\$11,350.00	\$24.50	\$5,561.50
72	552	24 inch RCP Storm Sewer, Class 'B' Bedding	515	L.F.	\$85.00	\$43,775.00	\$55.00	\$28,325.00	\$70.00	\$36,050.00	\$51.00	\$26,265.00
73	553	12 inch RCP Inlet Connection, Class "B" Bedding	430	L.F.	\$50.00	\$21,500.00	\$55.00	\$23,650.00	\$45.00	\$19,350.00	\$31.00	\$13,330.00
74	557	12" Sanitary Sewer, VCPES, 706.08 w/706.12	177	L.F.	\$140.00	\$24,780.00	\$62.00	\$10,974.00	\$90.00	\$15,930.00	\$50.00	\$8,850.00

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75	557	15" Sanitary Sewer, VCPES, 706.08 w/706.12 Manhole MH-2A on Sanitary Sewer (Casting Supplied by City)	338	L.F.	\$175.00	\$59,150.00	\$75.00	\$25,350.00	\$98.00	\$33,124.00	\$65.00	\$21,970.00
76	561	Manhole MH-2A Slabtop on Storm Sewer (5" Casting Supplied by City)	3	EACH	\$2,500.00	\$7,500.00	\$2,000.00	\$6,000.00	\$2,200.00	\$6,600.00	\$1,900.00	\$5,700.00
77	562	Manhole MH-2B Slabtop on Storm Sewer (5" Casting Supplied by City)	5	EACH	\$2,200.00	\$11,000.00	\$1,500.00	\$7,500.00	\$1,900.00	\$9,500.00	\$1,950.00	\$9,750.00
78	562	Manhole MH-2C Slabtop on Storm Sewer (5" Casting Supplied by City)	2	EACH	\$2,600.00	\$5,200.00	\$1,600.00	\$3,200.00	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00
79	562	Brick Manhole Adjusted	2	EACH	\$325.00	\$650.00	\$250.00	\$500.00	\$75.00	\$150.00	\$250.00	\$500.00
80	562	Brick Manhole Rebuilt	10	L.F.	\$300.00	\$3,000.00	\$300.00	\$3,000.00	\$100.00	\$1,000.00	\$900.00	\$9,000.00
81	562	Manhole Steps Replaced	6	EACH	\$100.00	\$600.00	\$70.00	\$420.00	\$50.00	\$300.00	\$300.00	\$1,800.00
82	562											
83	563	Inlet, Double No. 5 Modified (Castings Supplied by City)	2	EACH	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$2,000.00	\$4,000.00
84	563	Inlet, No. 5	1	EACH	\$1,100.00	\$1,100.00	\$1,300.00	\$1,300.00	\$900.00	\$900.00	\$1,650.00	\$1,650.00
85	563	Inlet, No. 5 Modified	8	EACH	\$1,200.00	\$9,600.00	\$1,300.00	\$10,400.00	\$900.00	\$7,200.00	\$1,100.00	\$8,800.00
86	564	4 inch Pipe Underdrains	3000	L.F.	\$4.00	\$12,000.00	\$3.00	\$9,000.00	\$3.00	\$9,000.00	\$5.00	\$15,000.00
87	603	Slag	93	C.Y.	\$20.00	\$1,860.00	\$32.00	\$2,976.00	\$1.00	\$93.00	\$40.00	\$3,720.00
88	604	Bank Run Gravel	50	C.Y.	\$25.00	\$1,250.00	\$30.00	\$1,500.00	\$42.00	\$2,100.00	\$16.00	\$800.00
89	609	Engineering Geogrid for Roadways	13788	S.Y.	\$7.00	\$96,516.00	\$4.00	\$55,152.00	\$5.07	\$69,905.16	\$5.25	\$72,387.00
90	613	Uniformed Law Enforcement Officer with Patrol Car	40	HOUR	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00
91	616	Calcium Chloride	20	TONS	\$5.00	\$100.00	\$1.00	\$20.00	\$1.00	\$20.00	\$450.00	\$9,000.00
92	621	Lane Lines	2976	L.F.	\$1.00	\$2,976.00	\$0.25	\$744.00	\$0.20	\$595.20	\$1.20	\$3,571.20
93	621	Stop Lines	60	L.F.	\$5.00	\$300.00	\$3.00	\$180.00	\$3.50	\$210.00	\$3.65	\$219.00
94	621	Lane Arrows	2	EACH	\$100.00	\$200.00	\$100.00	\$200.00	\$90.00	\$180.00	\$88.75	\$177.50
95	621	Word on Pavement, 72"	1	EACH	\$100.00	\$100.00	\$100.00	\$100.00	\$125.00	\$125.00	\$65.00	\$65.00
96	621	Center Line, Double, Solid	1130	L.F.	\$3.50	\$3,955.00	\$0.50	\$565.00	\$0.40	\$452.00	\$0.75	\$847.50
97	621	Channelizing Line	170	L.F.	\$3.50	\$595.00	\$0.50	\$85.00	\$0.50	\$85.00	\$1.30	\$221.00
98	621	Transverse Line, Yellow	515	L.F.	\$10.00	\$5,150.00	\$2.00	\$1,030.00	\$2.30	\$1,184.50	\$3.15	\$1,622.25
99	621	Island Marking, Yellow	10	S.F.	\$5.00	\$50.00	\$2.00	\$20.00	\$2.00	\$20.00	\$2.90	\$29.00
100	622	Monument Boxes (Castings Supplied by City)	7	EACH	\$300.00	\$2,100.00	\$200.00	\$1,400.00	\$200.00	\$1,400.00	\$345.00	\$2,415.00
101	625	Trench, 12" or less wide, Not Encased, as per plan	1510	L.F.	\$10.00	\$15,100.00	\$10.00	\$15,100.00	\$1.00	\$1,510.00	\$1.75	\$2,642.50
102	625	Trench, 12" or less wide, Conc. Encased, as per plan	60	L.F.	\$15.00	\$900.00	\$17.00	\$1,020.00	\$19.15	\$1,149.00	\$9.50	\$570.00
103	625	Trench, greater than 12" wide, Not Encased as per plan	1750	L.F.	\$15.00	\$26,250.00	\$12.00	\$21,000.00	\$1.00	\$1,750.00	\$14.15	\$24,762.50
104	625	Trench, greater than 12" wide, Conc. Encased, as per plan	230	L.F.	\$20.00	\$4,600.00	\$25.00	\$5,750.00	\$37.45	\$8,613.50	\$37.45	\$8,613.50
105	625	3" Schedule 40 PVC Conduit (traffic)	957	L.F.	\$5.00	\$4,785.00	\$2.50	\$2,392.50	\$3.00	\$2,871.00	\$3.00	\$2,871.00
106	625	Pull Box Misc. 24x36x24 (traffic)	4	EACH	\$800.00	\$3,200.00	\$400.00	\$1,600.00	\$423.75	\$1,695.00	\$675.00	\$2,700.00
107	625	Pull Box Misc. 30x48x24 (traffic)	1	EACH	\$1,200.00	\$1,200.00	\$900.00	\$900.00	\$1,095.00	\$1,095.00	\$1,055.00	\$1,055.00
108	625	2" Schedule 40 PVC Conduit (street lighting)	3108	L.F.	\$5.00	\$15,540.00	\$2.00	\$6,216.00	\$2.05	\$6,371.40	\$4.40	\$13,675.20

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109	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	22	EACH	\$2,500.00	\$55,000.00	\$1,750.00	\$38,500.00	\$1,967.50	\$43,285.00	\$3,015.00	\$66,330.00
110	625	Pull Box, Concrete, 13"x24"x18" (street lighting)	4	EACH	\$550.00	\$2,200.00	\$350.00	\$1,400.00	\$377.25	\$1,509.00	\$495.00	\$1,980.00
		No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution										
111	625	Cable	6416	L.F.	\$3.00	\$19,248.00	\$1.20	\$7,699.20	\$1.45	\$9,303.20	\$2.25	\$14,436.00
112	625	No. 10 AWG, Type THHN Pole and Bracket Cable	1936	L.F.	\$2.00	\$3,872.00	\$1.00	\$1,936.00	\$0.75	\$1,452.00	\$0.15	\$290.40
113	625	Fused Connector Kit	22	EACH	\$70.00	\$1,540.00	\$50.00	\$1,100.00	\$47.50	\$1,045.00	\$82.00	\$1,804.00
114	625	Underground Mole Connector, 4 Outlet, Homac RXL-4	8	EACH	\$125.00	\$1,000.00	\$50.00	\$400.00	\$51.50	\$412.00	\$95.00	\$760.00
115	625	Ground Rod	24	EACH	\$175.00	\$4,200.00	\$100.00	\$2,400.00	\$113.50	\$2,724.00	\$165.00	\$3,960.00
116	625	4" Schedule 40 PVC Conduit (First Energy)	9976	L.F.	\$6.00	\$59,856.00	\$2.50	\$24,940.00	\$3.40	\$33,918.40	\$3.10	\$30,925.60
117	625	Manhole, (First Energy)	8	EACH	\$2,000.00	\$16,000.00	\$3,200.00	\$25,600.00	\$4,705.00	\$37,640.00	\$2,710.00	\$21,680.00
118	625	4" Schedule 40 PVC Conduit (AT&T)	9958	L.F.	\$6.00	\$59,748.00	\$2.50	\$24,895.00	\$3.40	\$33,857.20	\$3.10	\$30,869.80
119	625	Manhole, (AT&T)	4	EACH	\$2,000.00	\$8,000.00	\$2,500.00	\$10,000.00	\$2,707.50	\$10,830.00	\$2,710.00	\$10,840.00
120	625	Handhole, (AT&T)	13	EACH	\$1,000.00	\$13,000.00	\$1,000.00	\$13,000.00	\$1,305.00	\$16,965.00	\$422.00	\$5,486.00
121	625	4" Schedule 40 PVC Conduit (First Communications)	870	L.F.	\$6.00	\$5,220.00	\$3.00	\$2,610.00	\$3.40	\$2,958.00	\$3.10	\$2,697.00
122	625	Handhole, (First Communications)	4	EACH	\$600.00	\$2,400.00	\$500.00	\$2,000.00	\$421.50	\$1,686.00	\$422.00	\$1,688.00
123	625	4" Schedule 40 PVC Conduit (Time Warner Cable)	2494	L.F.	\$6.00	\$14,964.00	\$3.00	\$7,482.00	\$3.40	\$8,479.60	\$3.10	\$7,731.40
124	625	Handhole, (Time Warner Cable)	16	EACH	\$600.00	\$9,600.00	\$500.00	\$8,000.00	\$421.50	\$6,744.00	\$421.50	\$6,744.00
125	625	2" HDPE Conduit (Verizon)	1176	L.F.	\$5.00	\$5,880.00	\$2.00	\$2,352.00	\$2.30	\$2,704.80	\$3.05	\$3,586.80
126	625	Handhole, (Verizon)	5	EACH	\$600.00	\$3,000.00	\$1,500.00	\$7,500.00	\$1,720.00	\$8,600.00	\$422.00	\$2,110.00
127	625	4" Schedule 40 PVC Conduit (Spare)	1740	L.F.	\$6.00	\$10,440.00	\$3.00	\$5,220.00	\$3.40	\$5,916.00	\$3.10	\$5,394.00
		4" Schedule 40 PVC Conduit (City of Akron										
128	625	Communications)	200	L.F.	\$6.00	\$1,200.00	\$3.00	\$600.00	\$3.40	\$680.00	\$3.10	\$620.00
129	625	Handhole, (City of Akron Communications)	4	EACH	\$600.00	\$2,400.00	\$300.00	\$1,200.00	\$317.00	\$1,268.00	\$422.00	\$1,688.00
130	630	Traffic Sign - Type A	5	EACH	\$150.00	\$750.00	\$140.00	\$700.00	\$140.00	\$700.00	\$100.00	\$500.00
131	630	Traffic Sign - Type B	6	EACH	\$250.00	\$1,500.00	\$150.00	\$900.00	\$185.00	\$1,110.00	\$150.00	\$900.00
132	630	Traffic Sign Removed	4	EACH	\$50.00	\$200.00	\$50.00	\$200.00	\$5.00	\$20.00	\$100.00	\$400.00
133	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded	569	L.F.	\$3.00	\$1,707.00	\$1.00	\$569.00	\$1.50	\$853.50	\$1.65	\$938.85
134	632	Signal Support Foundation	2	EACH	\$2,200.00	\$4,400.00	\$1,500.00	\$3,000.00	\$1,858.50	\$3,717.00	\$2,470.00	\$4,940.00
135	632	Signal Support Type TC 81.20, Design 3, as per plan	2	EACH	\$5,000.00	\$10,000.00	\$4,800.00	\$9,600.00	\$5,124.00	\$10,248.00	\$4,270.00	\$8,540.00
136	632	Vehicular Signal Head, 3-section, 12 Inch, LED	5	EACH	\$800.00	\$4,000.00	\$700.00	\$3,500.00	\$759.50	\$3,797.50	\$565.00	\$2,825.00
137	632	Pedestal, 8 feet with Transformer Base, as per plan	1	EACH	\$600.00	\$600.00	\$550.00	\$550.00	\$622.00	\$622.00	\$570.00	\$570.00
138	632	Pedestal, 11 feet with Transformer Base, as per plan	1	EACH	\$700.00	\$700.00	\$650.00	\$650.00	\$716.50	\$716.50	\$515.00	\$515.00
139	632	Pedestrian Signal Head, Type D2, Countdown	2	EACH	\$650.00	\$1,300.00	\$500.00	\$1,000.00	\$589.50	\$1,179.00	\$430.00	\$860.00
140	632	Pedestrian Push Button, as per plan	2	EACH	\$25.00	\$50.00	\$125.00	\$250.00	\$153.50	\$307.00	\$165.00	\$330.00
141	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$400.00	\$800.00	\$447.50	\$895.00	\$555.00	\$1,110.00
		Interconnect Misc.: Trunk Cable by Count, 24 Fiber										
142	632	Singlemode, Loose Tube	696	L.F.	\$7.00	\$4,872.00	\$2.00	\$1,392.00	\$2.00	\$1,392.00	\$1.80	\$1,252.80
143	632	Interconnect Misc.: Patch Cord, 4 Fiber	1	EACH	\$125.00	\$125.00	\$125.00	\$125.00	\$158.50	\$158.50	\$70.00	\$70.00
144	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	\$250.00	\$250.00	\$150.00	\$150.00	\$182.50	\$182.50	\$90.00	\$90.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		*2. Liberta dba Cioffi		3. Fechko Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
145	632	Interconnect Misc.: Fusion Splice	2	EACH	\$50.00	\$100.00	\$15.00	\$30.00	\$12.00	\$24.00	\$180.00	\$360.00
146	632	Interconnect Misc.: Fan Out Kit, 6 Fiber	1	EACH	\$80.00	\$80.00	\$50.00	\$50.00	\$52.80	\$52.80	\$10.00	\$10.00
147	632	Interconnect Misc.: Drop Cable 6 Fiber	60	L.F.	\$5.00	\$300.00	\$1.00	\$60.00	\$1.20	\$72.00	\$2.15	\$129.00
148	632	Interconnect Misc.: Fiber Optic Connector	2	L.F.	\$50.00	\$100.00	\$20.00	\$40.00	\$26.50	\$53.00	\$70.00	\$140.00
149	632	Interconnect Misc.: Splice Enclosure	1	EACH	\$500.00	\$500.00	\$750.00	\$750.00	\$818.50	\$818.50	\$535.00	\$535.00
150	632	Interconnect Misc.: Fiber Optic Cable Testing	1	EACH	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$550.00	\$550.00	\$455.00	\$455.00
151	632	Covering of Vehicular Signal Head	4	EACH	\$30.00	\$120.00	\$32.00	\$128.00	\$36.50	\$146.00	\$10.00	\$40.00
152	632	Covering of Pedestrian Signal Head	2	EACH	\$25.00	\$50.00	\$25.00	\$50.00	\$27.00	\$54.00	\$10.00	\$20.00
153	632	Signalization Misc.: Video Detection System, as per plan	1	L.S.	\$7,000.00	\$7,000.00	\$12,800.00	\$12,800.00	\$14,510.00	\$14,510.00	\$13,000.00	\$13,000.00
154	632	Removal of Traffic Signal Installation Controller Unit, Type ASC3-2100, with Cabinet Type NEMA TS1	2	EACH	\$1,500.00	\$3,000.00	\$1,900.00	\$3,800.00	\$2,160.00	\$4,320.00	\$2,550.00	\$5,100.00
155	633	Cabinet Foundation	1	EACH	\$13,000.00	\$13,000.00	\$12,500.00	\$12,500.00	\$13,284.00	\$13,284.00	\$11,855.00	\$11,855.00
156	633	Controller Misc.: Preemption, Priority Control	1	EACH	\$1,500.00	\$1,500.00	\$1,000.00	\$1,000.00	\$1,136.00	\$1,136.00	\$1,240.00	\$1,240.00
157	633	Controller, Misc.: Fiber Optic Ethernet Transceiver, as per plan	1	EACH	\$3,000.00	\$3,000.00	\$4,850.00	\$4,850.00	\$5,256.00	\$5,256.00	\$4,625.00	\$4,625.00
158	633	Testing and Certification of MMU	1	EACH	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$2,726.00	\$2,726.00	\$2,450.00	\$2,450.00
159	633	Topsoil Furnished & Placed, 4" Thick	1	L.S.	\$500.00	\$500.00	\$250.00	\$250.00	\$275.00	\$275.00	\$250.00	\$250.00
160	653	Lawn Renovation with Seeding	1827	S.Y.	\$5.00	\$9,135.00	\$3.25	\$5,937.75	\$1.00	\$1,827.00	\$3.75	\$6,851.25
161	654	Lawn Seeding and Mulching	890	S.Y.	\$3.00	\$2,670.00	\$1.00	\$890.00	\$1.25	\$1,112.50	\$1.25	\$1,112.50
162	659	Sodding	1780	S.Y.	\$2.50	\$4,450.00	\$1.00	\$1,780.00	\$1.25	\$2,225.00	\$1.25	\$2,225.00
163	660	Landscaping, as per plan	1521	S.Y.	\$12.00	\$18,252.00	\$6.00	\$9,126.00	\$5.00	\$7,605.00	\$6.00	\$9,126.00
164	663	CIPP Point Repair, 15" Sanitary Sewer	1	ALLOW	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
165	SPEC	Decorative Reinforced Concrete Pavement, 9" thick	16	L.F.	\$125.00	\$2,000.00	\$500.00	\$8,000.00	\$550.00	\$8,800.00	\$540.00	\$8,640.00
166	SPEC	Irrigation System, as per plan	802	S.Y.	\$130.00	\$104,260.00	\$85.00	\$68,170.00	\$120.00	\$96,240.00	\$105.00	\$84,210.00
167	SPEC	Executive Drive (West End to Sta. 106+54)	1	ALLOW	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
168	201	Trees Removed, 18"	15	EACH	\$300.00	\$4,500.00	\$100.00	\$1,500.00	\$150.00	\$2,250.00	\$150.00	\$2,250.00
169	202	Utility Pole Removed	1	EACH	\$150.00	\$150.00	\$100.00	\$100.00	\$248.00	\$248.00	\$2,500.00	\$2,500.00
170	203	Excavation Including Embankment Construction	2736	C.Y.	\$30.00	\$82,080.00	\$7.00	\$19,152.00	\$10.00	\$27,360.00	\$9.00	\$24,624.00
171	203	Proof Rolling	4	HOUR	\$100.00	\$400.00	\$80.00	\$320.00	\$1.00	\$4.00	\$125.00	\$500.00
172	203	Aggregate Refill, Type 1 (Limestone Only)	936	C.Y.	\$40.00	\$37,440.00	\$30.00	\$28,080.00	\$39.00	\$36,504.00	\$27.00	\$25,272.00
173	203	Aggregate Refill, Type 2 (Limestone Only)	281	C.Y.	\$40.00	\$11,240.00	\$32.00	\$8,992.00	\$41.00	\$11,521.00	\$35.00	\$9,835.00
174	207	Straw or Hay Bales	12	EACH	\$5.00	\$60.00	\$5.00	\$60.00	\$1.00	\$12.00	\$6.00	\$72.00
175	207	Filter Fabric Fence	1800	L.F.	\$2.50	\$4,500.00	\$0.50	\$900.00	\$0.01	\$18.00	\$2.00	\$3,600.00
176	254	12" Ductile Iron Pipe	1164	L.F.	\$70.00	\$81,480.00	\$52.00	\$60,528.00	\$55.00	\$64,020.00	\$60.00	\$69,840.00
177	258	6" Valve	4	EACH	\$900.00	\$3,600.00	\$550.00	\$2,200.00	\$540.00	\$2,160.00	\$625.00	\$2,500.00
178	258	8" Valve	1	EACH	\$900.00	\$900.00	\$800.00	\$800.00	\$800.00	\$800.00	\$950.00	\$950.00
179	258	12" Valve	1	EACH	\$900.00	\$900.00	\$1,600.00	\$1,600.00	\$1,440.00	\$1,440.00	\$1,700.00	\$1,700.00
180	259	Special Casting, 8" 45 degree bend	1	EACH	\$300.00	\$300.00	\$200.00	\$200.00	\$300.00	\$300.00	\$225.00	\$225.00
181	259	Special Casting, 12" 22-1/2 degree bend	4	EACH	\$300.00	\$1,200.00	\$325.00	\$1,300.00	\$270.00	\$1,080.00	\$350.00	\$1,400.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
182	259	Special Casting, 12" 45 degree bend	2	EACH	\$300.00	\$600.00	\$350.00	\$700.00	\$350.00	\$700.00	\$450.00	\$900.00
183	259	Special Casting, 12"x12"x6" Tee	4	EACH	\$600.00	\$2,400.00	\$400.00	\$1,600.00	\$350.00	\$1,400.00	\$500.00	\$2,000.00
184	259	Special Casting, 12"x12"x8" Tee	1	EACH	\$600.00	\$600.00	\$500.00	\$500.00	\$400.00	\$400.00	\$550.00	\$550.00
185	259	Special Casting, 12"x6" Reducer	2	EACH	\$350.00	\$700.00	\$200.00	\$400.00	\$200.00	\$400.00	\$450.00	\$900.00
186	259	Special Casting, 8" MJ Plug	1	EACH	\$1,050.00	\$1,050.00	\$110.00	\$110.00	\$120.00	\$120.00	\$115.00	\$115.00
187	259	Special Casting, 12" Dresser Style IC501 Coupling	1	EACH	\$300.00	\$300.00	\$400.00	\$400.00	\$550.00	\$550.00	\$600.00	\$600.00
188	260	Fire Hydrants	4	EACH	\$2,500.00	\$10,000.00	\$1,900.00	\$7,600.00	\$3,000.00	\$12,000.00	\$3,000.00	\$12,000.00
189	261	Polyethylene encasement, 12" pipe	1164	L.F.	\$2.00	\$2,328.00	\$0.50	\$582.00	\$0.01	\$11.64	\$1.00	\$1,164.00
190	301	7-3/4 inch Bituminous Aggregate Base	552	C.Y.	\$95.00	\$52,440.00	\$75.00	\$41,400.00	\$91.00	\$50,232.00	\$106.00	\$58,512.00
191	407	Tack Coat	257	GAL.	\$3.00	\$771.00	\$1.50	\$385.50	\$1.80	\$462.60	\$1.80	\$462.60
192	407	Tack Coat for Intermediate Course	129	GAL.	\$3.00	\$387.00	\$1.50	\$193.50	\$1.80	\$232.20	\$1.80	\$232.20
193	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	214	C.Y.	\$110.00	\$23,540.00	\$100.00	\$21,400.00	\$107.00	\$22,898.00	\$113.00	\$24,182.00
194	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	89	C.Y.	\$130.00	\$11,570.00	\$120.00	\$10,680.00	\$126.00	\$11,214.00	\$117.00	\$10,413.00
195	455	Curb, Type 6" X 18"	1608	L.F.	\$15.00	\$24,120.00	\$13.00	\$20,904.00	\$10.00	\$16,080.00	\$10.00	\$16,080.00
196	456	Concrete Aprons, 6 inches thick	200	S.F.	\$6.00	\$1,200.00	\$5.00	\$1,000.00	\$3.75	\$750.00	\$4.50	\$900.00
197	456	Concrete Driveway Reconstruction, 6 inches thick	600	S.F.	\$6.00	\$3,600.00	\$5.00	\$3,000.00	\$3.75	\$2,250.00	\$6.00	\$3,600.00
198	564	4 inch Pipe Underdrains	1308	L.F.	\$4.00	\$5,232.00	\$3.00	\$3,924.00	\$3.00	\$3,924.00	\$5.00	\$6,540.00
199	609	Engineering Geogrid for Roadways	2807	S.Y.	\$7.00	\$19,649.00	\$4.00	\$11,228.00	\$5.07	\$14,231.49	\$5.25	\$14,736.75
200	618	Computer Equipment	1	ALLOW	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
201	621	Center Lines	317	L.F.	\$1.00	\$317.00	\$0.50	\$158.50	\$0.40	\$126.80	\$0.75	\$237.75
202	622	Monument Boxes (Castings Supplied by City)	3	EACH	\$300.00	\$900.00	\$200.00	\$600.00	\$200.00	\$600.00	\$450.00	\$1,350.00
203	625	Trench, 12" or less wide, Not Encased, as per plan (street lighting)	1400	L.F.	\$10.00	\$14,000.00	\$10.00	\$14,000.00	\$7.50	\$10,500.00	\$1.75	\$2,450.00
204	625	2" Schedule 40 PVC Conduit (street lighting)	1400	L.F.	\$6.00	\$8,400.00	\$1.50	\$2,100.00	\$1.90	\$2,660.00	\$4.40	\$6,160.00
205	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	11	EACH	\$2,500.00	\$27,500.00	\$1,500.00	\$16,500.00	\$1,967.50	\$21,642.50	\$3,015.00	\$33,165.00
206	625	No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution Cable	1510	L.F.	\$3.00	\$4,530.00	\$1.00	\$1,510.00	\$1.50	\$2,265.00	\$2.25	\$3,397.50
207	625	No. 10 AWG, Type THHN Pole and Bracket Cable	968	L.F.	\$2.00	\$1,936.00	\$1.00	\$968.00	\$0.75	\$726.00	\$0.15	\$145.20
208	625	Fused Connector Kit	11	EACH	\$70.00	\$770.00	\$40.00	\$440.00	\$47.50	\$522.50	\$82.00	\$902.00
209	625	Ground Rod	11	EACH	\$175.00	\$1,925.00	\$100.00	\$1,100.00	\$113.50	\$1,248.50	\$165.00	\$1,815.00
210	653	Topsoil Furnished & Placed, 4" Thick	220	S.Y.	\$5.00	\$1,100.00	\$3.25	\$715.00	\$1.00	\$220.00	\$3.75	\$825.00
211	SPEC	BioRetention Cell, as per plan	1	L.S.	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$20,000.00	\$20,000.00
212	SPEC	Work Involving Petroleum-Contaminated Soils, as per plan	1	TON	\$150.00	\$150.00	\$200.00	\$200.00	\$250.00	\$250.00	\$500.00	\$500.00
213	SPEC	Work Involving Water, as per plan Roundabout	50	GAL.	\$5.00	\$250.00	\$7.00	\$350.00	\$10.00	\$500.00	\$200.00	\$10,000.00
214	201	Trees Removed, 18"	8	EACH	\$300.00	\$2,400.00	\$100.00	\$800.00	\$125.00	\$1,000.00	\$150.00	\$1,200.00
215	202	Pipe Abandoned and Filled, 12 inch Water Main	1945	L.F.	\$5.00	\$9,725.00	\$0.01	\$19.45	\$4.00	\$7,780.00	\$11.00	\$21,395.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
216	202	Pipe Abandoned and Filled, 12 inch Storm Sewer	476	L.F.	\$5.00	\$2,380.00	\$8.00	\$3,808.00	\$4.00	\$1,904.00	\$14.00	\$6,664.00
217	202	Pipe Abandoned and Filled, 15 inch Storm Sewer	463	L.F.	\$5.00	\$2,315.00	\$5.00	\$2,315.00	\$8.00	\$3,704.00	\$8.00	\$3,704.00
218	202	Pipe Abandoned and Filled, 12 inch Sanitary Sewer	316	L.F.	\$5.00	\$1,580.00	\$1.00	\$316.00	\$3.00	\$948.00	\$20.00	\$6,320.00
219	202	Pipe Abandoned and Filled, 24 inch Sanitary Sewer	273	L.F.	\$15.00	\$4,095.00	\$10.00	\$2,730.00	\$12.00	\$3,276.00	\$10.00	\$2,730.00
220	202	Pipe Abandoned and Filled, 36 inch Water Main	240	L.F.	\$15.00	\$3,600.00	\$12.00	\$2,880.00	\$28.00	\$6,720.00	\$70.00	\$16,800.00
221	202	Pipe Removed, 36 inch Water Main	60	L.F.	\$15.00	\$900.00	\$10.00	\$600.00	\$20.00	\$1,200.00	\$54.00	\$3,240.00
222	202	Manhole Removed	9	EACH	\$200.00	\$1,800.00	\$200.00	\$1,800.00	\$150.00	\$1,350.00	\$350.00	\$3,150.00
223	202	Catch Basin or Inlet Removed	15	EACH	\$150.00	\$2,250.00	\$50.00	\$750.00	\$50.00	\$750.00	\$350.00	\$5,250.00
224	202	Sidewalk Removed	168	S.Y.	\$10.00	\$1,680.00	\$9.00	\$1,512.00	\$1.00	\$168.00	\$35.00	\$5,880.00
225	202	Hydrant Removed	6	EACH	\$350.00	\$2,100.00	\$200.00	\$1,200.00	\$150.00	\$900.00	\$600.00	\$3,600.00
226	202	Valve Removed	6	EACH	\$150.00	\$900.00	\$50.00	\$300.00	\$150.00	\$900.00	\$250.00	\$1,500.00
227	202	Fence Removed	20	L.F.	\$150.00	\$3,000.00	\$5.00	\$100.00	\$1.00	\$20.00	\$15.00	\$300.00
228	202	Street Lighting Assembly Removed for Storage	14	EACH	\$150.00	\$2,100.00	\$215.00	\$3,010.00	\$186.00	\$2,604.00	\$500.00	\$7,000.00
229	203	Excavation Including Embankment Construction	10870	C.Y.	\$30.00	\$326,100.00	\$7.00	\$76,090.00	\$10.00	\$108,700.00	\$9.00	\$97,830.00
230	203	Proof Rolling	10	HOUR	\$100.00	\$1,000.00	\$80.00	\$800.00	\$1.00	\$10.00	\$125.00	\$1,250.00
231	203	Aggregate Refill, Type 1 (Limestone Only)	2327	C.Y.	\$40.00	\$93,080.00	\$30.00	\$69,810.00	\$39.00	\$90,753.00	\$27.00	\$62,829.00
232	203	Aggregate Refill, Type 1, 2" Thick, as per plan	65	C.Y.	\$40.00	\$2,600.00	\$40.00	\$2,600.00	\$46.00	\$2,990.00	\$35.00	\$2,275.00
233	203	Aggregate Refill, Type 2 (Limestone Only)	693	C.Y.	\$40.00	\$27,720.00	\$32.00	\$22,176.00	\$41.00	\$28,413.00	\$35.00	\$24,255.00
234	204	Aggregate Refill, Type 2, 9" Thick, as per plan	291	C.Y.	\$40.00	\$11,640.00	\$32.00	\$9,312.00	\$41.00	\$11,931.00	\$36.00	\$10,476.00
235	207	Straw or Hay Bales	28	EACH	\$5.00	\$140.00	\$5.00	\$140.00	\$1.00	\$28.00	\$6.00	\$168.00
236	207	Filter Fabric Fence	3300	L.F.	\$2.50	\$8,250.00	\$0.50	\$1,650.00	\$0.01	\$33.00	\$2.00	\$6,600.00
237	207	Temporary Seeding and Mulching	500	S.Y.	\$1.00	\$500.00	\$0.10	\$50.00	\$0.05	\$25.00	\$1.25	\$625.00
238	254	6" Ductile Iron Pipe	12	L.F.	\$70.00	\$840.00	\$60.00	\$720.00	\$65.00	\$780.00	\$100.00	\$1,200.00
239	254	12" Ductile Iron Pipe	695	L.F.	\$70.00	\$48,650.00	\$55.00	\$38,225.00	\$55.00	\$38,225.00	\$68.00	\$47,260.00
240	258	12" Valve	5	EACH	\$900.00	\$4,500.00	\$1,500.00	\$7,500.00	\$1,440.00	\$7,200.00	\$1,700.00	\$8,500.00
241	259	Special Casting, 12" 45 degree bend	12	EACH	\$300.00	\$3,600.00	\$350.00	\$4,200.00	\$1,150.00	\$13,800.00	\$450.00	\$5,400.00
242	259	Special Casting, 12"x6" Tee	4	EACH	\$600.00	\$2,400.00	\$400.00	\$1,600.00	\$350.00	\$1,400.00	\$460.00	\$1,840.00
243	259	Special Casting, 12"x12" Tee	4	EACH	\$600.00	\$2,400.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$650.00	\$2,600.00
244	259	Special Casting, 12" 11-1/4 Degree Bend	1	EACH	\$350.00	\$350.00	\$325.00	\$325.00	\$270.00	\$270.00	\$350.00	\$350.00
245	259	Special Casting, 12" 22-1/2 Degree Bend	1	EACH	\$350.00	\$350.00	\$325.00	\$325.00	\$270.00	\$270.00	\$400.00	\$400.00
246	259	Special Casting, 12"x12"x12"x12" Cross	1	EACH	\$350.00	\$350.00	\$600.00	\$600.00	\$850.00	\$850.00	\$800.00	\$800.00
247	259	Special Casting, 12"x6" Reducer	1	EACH	\$350.00	\$350.00	\$200.00	\$200.00	\$200.00	\$200.00	\$500.00	\$500.00
248	259	Special Casting, 24"x12" Reducer	1	EACH	\$350.00	\$350.00	\$900.00	\$900.00	\$670.00	\$670.00	\$1,500.00	\$1,500.00
249	259	Special Casting, 36"x24" Reducer	1	EACH	\$350.00	\$350.00	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
250	259	Special Casting, 8" Plug	1	EACH	\$200.00	\$200.00	\$75.00	\$75.00	\$150.00	\$150.00	\$125.00	\$125.00
251	259	Special Casting, 12" Plug	2	EACH	\$300.00	\$600.00	\$150.00	\$300.00	\$125.00	\$250.00	\$150.00	\$300.00
252	259	Special Casting, 12" MJ Plug	1	EACH	\$350.00	\$350.00	\$150.00	\$150.00	\$125.00	\$125.00	\$150.00	\$150.00
253	259	Special Casting, 12" Cap	1	EACH	\$250.00	\$250.00	\$150.00	\$150.00	\$125.00	\$125.00	\$150.00	\$150.00
254	259	Special Casting, 36" Concrete to Ductile Transition Fitting	1	EACH	\$2,000.00	\$2,000.00	\$1,500.00	\$1,500.00	\$2,200.00	\$2,200.00	\$6,500.00	\$6,500.00
255	260	Fire Hydrants	5	EACH	\$2,500.00	\$12,500.00	\$1,900.00	\$9,500.00	\$3,000.00	\$15,000.00	\$3,000.00	\$15,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		*2. Liberta dba Cioffi		3. Fechko Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
256	261	Polyethylene encasement, 12" pipe	695	L.F.	\$2.00	\$1,390.00	\$0.50	\$347.50	\$0.01	\$6.95	\$1.00	\$695.00
257	261	Polyethylene encasement, 36" pipe	16	L.F.	\$2.00	\$32.00	\$0.50	\$8.00	\$0.01	\$0.16	\$5.00	\$80.00
258	262	12" Manual Air Release - Tap Required	1	EACH	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,150.00	\$1,150.00	\$1,500.00	\$1,500.00
259	265	Water Main Valve Boxes Adjusted	2	EACH	\$100.00	\$200.00	\$50.00	\$100.00	\$25.00	\$50.00	\$200.00	\$400.00
260	301	7-3/4 inch Bituminous Aggregate Base	774	C.Y.	\$95.00	\$73,530.00	\$75.00	\$58,050.00	\$91.00	\$70,434.00	\$105.50	\$81,657.00
261	304	Aggregate Base, 3" Thick (Limestone Only)	79	C.Y.	\$55.00	\$4,345.00	\$35.00	\$2,765.00	\$52.00	\$4,108.00	\$30.00	\$2,370.00
262	407	Tack Coat	365	GAL.	\$3.00	\$1,095.00	\$1.50	\$547.50	\$1.80	\$657.00	\$1.80	\$657.00
263	407	Tack Coat for Intermediate Course	183	GAL.	\$3.00	\$549.00	\$1.50	\$274.50	\$1.80	\$329.40	\$1.80	\$329.40
264	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	304	C.Y.	\$110.00	\$33,440.00	\$100.00	\$30,400.00	\$107.00	\$32,528.00	\$113.00	\$34,352.00
265	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	127	C.Y.	\$130.00	\$16,510.00	\$120.00	\$15,240.00	\$126.00	\$16,002.00	\$117.00	\$14,859.00
266	451	9" Reinforced Portland Cement Concrete Pavement, w/integral curb, as per plan	2730	S.Y.	\$100.00	\$273,000.00	\$44.00	\$120,120.00	\$59.00	\$161,070.00	\$50.00	\$136,500.00
267	455	Curb, Type 6" X 18"	1734	L.F.	\$15.00	\$26,010.00	\$12.00	\$20,808.00	\$10.00	\$17,340.00	\$11.00	\$19,074.00
268	455	Curb, Type 4-C, as per plan	717	L.F.	\$15.00	\$10,755.00	\$15.00	\$10,755.00	\$20.00	\$14,340.00	\$20.00	\$14,340.00
269	SPEC	Mountable Truck Apron Curb, as per plan	230	L.F.	\$15.00	\$3,450.00	\$15.00	\$3,450.00	\$25.00	\$5,750.00	\$9.00	\$2,070.00
270	456	Concrete Walk, 6 inches Thick	6687	S.F.	\$5.00	\$33,435.00	\$4.50	\$30,091.50	\$3.75	\$25,076.25	\$4.00	\$26,748.00
271	456	Curb Ramps	8	EACH	\$350.00	\$2,800.00	\$500.00	\$4,000.00	\$150.00	\$1,200.00	\$500.00	\$4,000.00
272	552	12 inch RCP Storm Sewer, Class 'B' Bedding	573	L.F.	\$50.00	\$28,650.00	\$45.00	\$25,785.00	\$55.00	\$31,515.00	\$32.00	\$18,336.00
273	552	18 inch RCP Storm Sewer, Class 'B' Bedding	174	L.F.	\$65.00	\$11,310.00	\$65.00	\$11,310.00	\$60.00	\$10,440.00	\$50.00	\$8,700.00
274	552	24 inch Storm Sewer, Type A, Class 'B' Bedding	311	L.F.	\$80.00	\$24,880.00	\$58.00	\$18,038.00	\$65.00	\$20,215.00	\$56.00	\$17,416.00
275	553	12 inch RCP Inlet Connection, Class "B" Bedding	226	L.F.	\$50.00	\$11,300.00	\$50.00	\$11,300.00	\$50.00	\$11,300.00	\$32.00	\$7,232.00
276	557	10 inch Sanitary Sewer, 706.08 w/706.12, Class 'A' Bedding	213	L.F.	\$275.00	\$58,575.00	\$200.00	\$42,600.00	\$340.00	\$72,420.00	\$200.00	\$42,600.00
277	557	24 inch Sanitary Sewer	1208	L.F.	\$325.00	\$392,600.00	\$275.00	\$332,200.00	\$424.00	\$512,192.00	\$405.00	\$489,240.00
278	559	12 inch Pipe Reconnections, 706.08 with 706.12, Class 'B' Bedding	20	L.F.	\$50.00	\$1,000.00	\$60.00	\$1,200.00	\$25.00	\$500.00	\$110.00	\$2,200.00
279	562	Manhole MH-1A on 10" Sanitary Sewer	2	EACH	\$5,000.00	\$10,000.00	\$7,000.00	\$14,000.00	\$4,800.00	\$9,600.00	\$9,500.00	\$19,000.00
280	562	Manhole MH-2A Slabtop on Storm Sewer (5" Casting Supplied by City)	6	EACH	\$2,200.00	\$13,200.00	\$2,000.00	\$12,000.00	\$2,200.00	\$13,200.00	\$3,500.00	\$21,000.00
281	562	Manhole MH-2B Slabtop on Storm Sewer (5" Casting Supplied by City)	2	EACH	\$2,200.00	\$4,400.00	\$1,700.00	\$3,400.00	\$2,500.00	\$5,000.00	\$3,500.00	\$7,000.00
282	562	Manhole MH-2B on 24" Sanitary Sewer	1	EACH	\$7,500.00	\$7,500.00	\$8,000.00	\$8,000.00	\$9,600.00	\$9,600.00	\$15,000.00	\$15,000.00
283	562	Drop Manhole MH-2B on 24" Sanitary Sewer	3	EACH	\$9,000.00	\$27,000.00	\$11,000.00	\$33,000.00	\$9,600.00	\$28,800.00	\$15,000.00	\$45,000.00
284	562	Drop Manhole MH-2C on 24" Sanitary Sewer	1	EACH	\$14,000.00	\$14,000.00	\$12,500.00	\$12,500.00	\$9,600.00	\$9,600.00	\$15,000.00	\$15,000.00
285	562	Brick Manhole Adjusted	7	EACH	\$325.00	\$2,275.00	\$250.00	\$1,750.00	\$75.00	\$525.00	\$350.00	\$2,450.00
286	563	Inlet, No. 5	3	EACH	\$1,100.00	\$3,300.00	\$1,500.00	\$4,500.00	\$900.00	\$2,700.00	\$2,100.00	\$6,300.00
287	563	Double Inlet, No. 5	2	EACH	\$1,100.00	\$2,200.00	\$1,800.00	\$3,600.00	\$1,000.00	\$2,000.00	\$2,100.00	\$4,200.00
288	563	Double Inlet, No. 5 Modified	1	EACH	\$1,100.00	\$1,100.00	\$1,800.00	\$1,800.00	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00
289	564	4 inch Pipe Underdrains	3771	L.F.	\$4.00	\$15,084.00	\$3.00	\$11,313.00	\$3.00	\$11,313.00	\$5.00	\$18,855.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		*2. Liberta dba Cioffi		3. Fechko Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
290	602	Concrete Masonry (ODOT HW-2.2), as per plan	1	EACH	\$500.00	\$500.00	\$1,000.00	\$1,000.00	\$350.00	\$350.00	\$700.00	\$700.00
291	ODOT 604	ODOT CB NO. 6	3	EACH	\$1,500.00	\$4,500.00	\$1,000.00	\$3,000.00	\$975.00	\$2,925.00	\$1,500.00	\$4,500.00
292	ODOT 604	ODOT CB 2-2B	2	EACH	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$700.00	\$1,400.00	\$950.00	\$1,900.00
293	609	Engineering Geogrid for Roadways	6982	S.Y.	\$7.00	\$48,874.00	\$4.00	\$27,928.00	\$5.07	\$35,398.74	\$5.25	\$36,655.50
294	621	Edge Lines	220	L.F.	\$1.00	\$220.00	\$0.50	\$110.00	\$0.30	\$66.00	\$0.70	\$154.00
295	621	Lane Lines	371	L.F.	\$1.00	\$371.00	\$0.25	\$92.75	\$0.20	\$74.20	\$1.20	\$445.20
296	621	Center Lines	1621	L.F.	\$1.00	\$1,621.00	\$0.50	\$810.50	\$0.40	\$648.40	\$0.75	\$1,215.75
297	621	Dashed Lines	176	L.F.	\$1.00	\$176.00	\$0.25	\$44.00	\$0.20	\$35.20	\$1.40	\$246.40
298	621	Crosswalk Lines	192	L.F.	\$1.00	\$192.00	\$2.00	\$384.00	\$2.00	\$384.00	\$2.90	\$556.80
299	621	Transverse/Diagonal Line (Yellow)	130	L.F.	\$3.00	\$390.00	\$2.00	\$260.00	\$2.30	\$299.00	\$3.15	\$409.50
300	621	Yield Line, Shark's Teeth (White)	60	L.F.	\$3.00	\$180.00	\$3.00	\$180.00	\$3.00	\$180.00	\$5.65	\$339.00
301	621	Lane Arrow, Fish Hook	6	EACH	\$100.00	\$600.00	\$120.00	\$720.00	\$135.00	\$810.00	\$100.00	\$600.00
302	622	Monument Boxes (Castings Supplied by City)	6	EACH	\$300.00	\$1,800.00	\$200.00	\$1,200.00	\$200.00	\$1,200.00	\$325.00	\$1,950.00
303	625	Trench, 12" or less wide, Not Encased, as per plan (street lighting)	980	L.F.	\$10.00	\$9,800.00	\$10.00	\$9,800.00	\$1.00	\$980.00	\$1.75	\$1,715.00
304	625	Trench, 12" or less wide, Conc. Encased, as per plan (street lighting)	280	L.F.	\$15.00	\$4,200.00	\$17.00	\$4,760.00	\$19.15	\$5,362.00	\$9.50	\$2,660.00
305	625	Trench, 12" or less wide, Conc. Encased, as per plan (traffic)	35	L.F.	\$15.00	\$525.00	\$17.00	\$595.00	\$19.15	\$670.25	\$9.50	\$332.50
306	625	3" Schedule 40 PVC Conduit (traffic)	940	L.F.	\$8.00	\$7,520.00	\$2.50	\$2,350.00	\$2.95	\$2,773.00	\$3.00	\$2,820.00
307	625	Pull Box Misc. 24x36x24 (traffic)	7	EACH	\$800.00	\$5,600.00	\$650.00	\$4,550.00	\$754.50	\$5,281.50	\$675.00	\$4,725.00
308	625	2" Schedule 40 PVC Conduit (street lighting)	2150	L.F.	\$6.00	\$12,900.00	\$1.50	\$3,225.00	\$1.90	\$4,085.00	\$4.40	\$9,460.00
309	625	2" Schedule 80 PVC Conduit Riser (street lighting)	1	EACH	\$100.00	\$100.00	\$300.00	\$300.00	\$351.50	\$351.50	\$330.00	\$330.00
310	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	15	EACH	\$2,500.00	\$37,500.00	\$1,500.00	\$22,500.00	\$1,967.50	\$29,512.50	\$3,015.00	\$45,225.00
311	625	Pull Box, Concrete, 13"x24"x18" (street lighting) No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution	8	EACH	\$550.00	\$4,400.00	\$350.00	\$2,800.00	\$392.75	\$3,142.00	\$495.00	\$3,960.00
312	625	Cable	2250	L.F.	\$3.00	\$6,750.00	\$1.00	\$2,250.00	\$1.50	\$3,375.00	\$2.25	\$5,062.50
313	625	No. 10 AWG, Type THHN Pole and Bracket Cable	1320	L.F.	\$2.00	\$2,640.00	\$1.00	\$1,320.00	\$0.75	\$990.00	\$0.15	\$198.00
314	625	Fused Connector Kit	15	EACH	\$70.00	\$1,050.00	\$40.00	\$600.00	\$47.50	\$712.50	\$82.00	\$1,230.00
315	625	Underground Mole Connector, 4 Outlet, Homac RXL-4	14	EACH	\$125.00	\$1,750.00	\$40.00	\$560.00	\$47.00	\$658.00	\$95.00	\$1,330.00
316	625	Underground Mole Connector, 6 Outlet, Homac RXL-4	2	EACH	\$200.00	\$400.00	\$50.00	\$100.00	\$52.00	\$104.00	\$95.00	\$190.00
317	630	Traffic Sign - Type B	49	EACH	\$250.00	\$12,250.00	\$150.00	\$7,350.00	\$185.00	\$9,065.00	\$150.00	\$7,350.00
318	630	Traffic Sign Removed	4	EACH	\$50.00	\$200.00	\$50.00	\$200.00	\$5.00	\$20.00	\$100.00	\$400.00
319	632	Interconnect Misc.: Trunk Cable by Count, 24 Fiber Singlemode, Loose Tube	940	L.F.	\$7.00	\$6,580.00	\$1.50	\$1,410.00	\$2.00	\$1,880.00	\$1.80	\$1,692.00
320	653	Topsoil Furnished & Placed, 4" Thick	1925	S.Y.	\$5.00	\$9,625.00	\$3.25	\$6,256.25	\$1.00	\$1,925.00	\$3.75	\$7,218.75
321	660	Sodding	871	S.Y.	\$12.00	\$10,452.00	\$6.00	\$5,226.00	\$5.00	\$4,355.00	\$6.00	\$5,226.00
322	ODOT 803	Rubberized Open Graded Asphalt Friction Course	97	C.Y.	\$180.00	\$17,460.00	\$225.00	\$21,825.00	\$240.00	\$23,280.00	\$140.00	\$13,580.00
323	SPEC	BioRetention Cell, as per plan	1	L.S.	\$15,000.00	\$15,000.00	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$17,950.00	\$17,950.00
324	SPEC	Decorative Reinforced Concrete Pavement, 9" thick	531	S.Y.	\$120.00	\$63,720.00	\$85.00	\$45,135.00	\$120.00	\$63,720.00	\$105.00	\$55,755.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		*2. Liberta dba Cioffi		3. Fechko Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
325	SPEC	Decorative Reinforced Concrete Pavement, 9" thick, w/integral 6" curb (colored only)	290	S.Y.	\$100.00	\$29,000.00	\$75.00	\$21,750.00	\$83.00	\$24,070.00	\$74.25	\$21,532.50
326	SPEC	Decorative Reinforced Concrete Pavement, 9" thick (colored only)	252	S.Y.	\$100.00	\$25,200.00	\$75.00	\$18,900.00	\$83.00	\$20,916.00	\$59.75	\$15,057.00
<u>ALTERNATE #1</u>												
ALT#1	632	Signalization Misc.: Video Detection System, Autoscope Solo, Terra MVP, as per plan	1	L.S.	\$7,000.00	\$7,000.00	\$12,800.00	\$12,800.00	\$14,510.00	\$14,510.00	\$13,000.00	\$13,000.00
<u>ALTERNATE #2</u>												
ALT#2	633	Controller Item Misc.: Preemption Priority Control, SONEM - 2000, as per plan	1	Each	\$3,000.00	\$3,000.00	\$4,850.00	\$4,850.00	\$5,225.00	\$5,225.00	\$6,000.00	\$6,000.00
TOTAL CONSTRUCTION COSTS						\$5,012,509.00		\$3,425,835.90		\$4,064,909.19		\$4,247,297.05
+/- ENGINEER'S ESTIMATE								-31.7%		-18.9%		-15.3%
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS						\$7,000.00		\$12,800.00		\$14,510.00		\$13,000.00
+/- ENGINEER'S ESTIMATE								+82.9%		+107.3%		+85.7%
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS						\$3,000.00		\$4,850.00		\$5,225.00		\$6,000.00
+/- ENGINEER'S ESTIMATE								+61.7%		+74.2%		+100.0%

* Ref. #134 extended amount incorrect in bid book,, Unofficial Construction Cost incorrect in bid book

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REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$245,489.00	\$245,489.00	\$28,750.00	\$28,750.00	\$60,000.00	\$60,000.00
2	614	Maintaining Traffic, Phase 1	1	L.S.	\$7,500.00	\$7,500.00	\$27,466.00	\$27,466.00	\$6,500.00	\$6,500.00	\$15,000.00	\$15,000.00
3	614	Maintaining Traffic, Phase 2	1	L.S.	\$7,500.00	\$7,500.00	\$26,362.00	\$26,362.00	\$6,500.00	\$6,500.00	\$15,000.00	\$15,000.00
4	619	Field Office	1	L.S.	\$3,500.00	\$3,500.00	\$16,544.00	\$16,544.00	\$11,000.00	\$11,000.00	\$15,000.00	\$15,000.00
5	623	Construction Layout Stakes	1	L.S.	\$35,000.00	\$35,000.00	\$43,899.00	\$43,899.00	\$40,000.00	\$40,000.00	\$20,000.00	\$20,000.00
6	624	Mobilization	1	L.S.	\$50,000.00	\$50,000.00	\$243,343.00	\$243,343.00	\$194,000.00	\$194,000.00	\$100,000.00	\$100,000.00
Martha Avenue Sta. 9+00 to North End Including Underground Utilities throughout entire project limits (i.e., AT&T, First Energy, Time Warner Cable, First Communications, Verizon)												
7	201	Trees Removed, 2", including grate	4	EACH	\$300.00	\$1,200.00	\$258.00	\$1,032.00	\$100.00	\$400.00	\$50.00	\$200.00
8	202	Pipe Removed, 12 inch	100	L.F.	\$5.00	\$500.00	\$5.25	\$525.00	\$5.00	\$500.00	\$22.00	\$2,200.00
9	202	Pipe Abandoned and Filled, 12 inch Storm Sewer	271	L.F.	\$5.00	\$1,355.00	\$2.75	\$745.25	\$2.00	\$542.00	\$9.00	\$2,439.00
10	202	Pipe Abandoned and Filled, 15 inch Storm Sewer	375	L.F.	\$5.00	\$1,875.00	\$3.40	\$1,275.00	\$3.00	\$1,125.00	\$10.00	\$3,750.00
11	202	Pipe Abandoned and Filled, 15 inch Sanitary Sewer	135	L.F.	\$5.00	\$675.00	\$4.00	\$540.00	\$3.00	\$405.00	\$17.00	\$2,295.00
12	202	Pipe Abandoned and Filled, 18 inch Storm Sewer	115	L.F.	\$5.00	\$575.00	\$5.00	\$575.00	\$4.00	\$460.00	\$11.00	\$1,265.00
13	202	Pipe Abandoned and Filled, 21 inch Storm Sewer	306	L.F.	\$5.00	\$1,530.00	\$7.00	\$2,142.00	\$5.00	\$1,530.00	\$15.00	\$4,590.00
14	202	Pipe Abandoned and Filled, 24 inch Sanitary Sewer	400	L.F.	\$15.00	\$6,000.00	\$7.00	\$2,800.00	\$6.00	\$2,400.00	\$16.00	\$6,400.00
15	202	Pipe Abandoned and Filled, 30 inch Sanitary Sewer	600	L.F.	\$25.00	\$15,000.00	\$9.00	\$5,400.00	\$9.50	\$5,700.00	\$24.00	\$14,400.00
16	202	Pipe Abandoned and Filled, 78 inch CSO	400	L.F.	\$125.00	\$50,000.00	\$17.00	\$6,800.00	\$62.00	\$24,800.00	\$82.00	\$32,800.00
17	202	Pipe Abandoned and Filled, 132 inch x 66 inch Box	600	L.F.	\$250.00	\$150,000.00	\$88.00	\$52,800.00	\$113.00	\$67,800.00	\$140.00	\$84,000.00
18	202	Manhole Removed	8	EACH	\$200.00	\$1,600.00	\$400.00	\$3,200.00	\$350.00	\$2,800.00	\$760.00	\$6,080.00
19	202	Catch Basin or Inlet Removed	14	EACH	\$150.00	\$2,100.00	\$350.00	\$4,900.00	\$250.00	\$3,500.00	\$108.00	\$1,512.00
20	202	Hydrant Removed	3	EACH	\$350.00	\$1,050.00	\$277.00	\$831.00	\$250.00	\$750.00	\$62.00	\$186.00
21	202	Valve Removed	1	EACH	\$150.00	\$150.00	\$178.00	\$178.00	\$100.00	\$100.00	\$62.00	\$62.00
22	202	Water Main Removed	60	L.F.	\$5.00	\$300.00	\$16.50	\$990.00	\$10.00	\$600.00	\$24.00	\$1,440.00
23	202	Pull Box Removed	6	EACH	\$200.00	\$1,200.00	\$55.00	\$330.00	\$150.00	\$900.00	\$124.00	\$744.00
24	202	Street Lighting Assembly Removed for Storage	26	EACH	\$150.00	\$3,900.00	\$200.00	\$5,200.00	\$200.00	\$5,200.00	\$186.00	\$4,836.00
25	203	Excavation Including Embankment Construction	7620	C.Y.	\$30.00	\$228,600.00	\$12.50	\$95,250.00	\$22.50	\$171,450.00	\$11.68	\$89,001.60
26	203	Borrow	400	C.Y.	\$8.00	\$3,200.00	\$5.90	\$2,360.00	\$12.00	\$4,800.00	\$14.00	\$5,600.00
27	203	Proof Rolling	16	HOUR	\$100.00	\$1,600.00	\$132.00	\$2,112.00	\$100.00	\$1,600.00	\$115.00	\$1,840.00
28	203	Aggregate Refill, Type 1 (Limestone Only)	3500	C.Y.	\$40.00	\$140,000.00	\$29.00	\$101,500.00	\$36.00	\$126,000.00	\$41.00	\$143,500.00
29	203	Aggregate Refill, Type 2 (Limestone Only)	1090	C.Y.	\$40.00	\$43,600.00	\$29.00	\$31,610.00	\$42.00	\$45,780.00	\$52.00	\$56,680.00
30	207	Straw or Hay Bales	50	EACH	\$5.00	\$250.00	\$5.00	\$250.00	\$5.00	\$250.00	\$15.00	\$750.00
31	207	Filter Fabric Fence	4000	L.F.	\$2.50	\$10,000.00	\$1.75	\$7,000.00	\$2.50	\$10,000.00	\$1.70	\$6,800.00
32	207	Temporary Seeding and Mulching	500	S.Y.	\$1.00	\$500.00	\$0.50	\$250.00	\$1.00	\$500.00	\$0.50	\$250.00
33	254	6" Ductile Iron Pipe	20	L.F.	\$50.00	\$1,000.00	\$41.50	\$830.00	\$59.00	\$1,180.00	\$36.00	\$720.00
34	254	8" Ductile Iron Pipe	360	L.F.	\$60.00	\$21,600.00	\$44.50	\$16,020.00	\$72.00	\$25,920.00	\$36.00	\$12,960.00
35	254	12" Ductile Iron Pipe	115	L.F.	\$70.00	\$8,050.00	\$59.50	\$6,842.50	\$85.00	\$9,775.00	\$68.00	\$7,820.00
36	258	6" Valve	2	EACH	\$650.00	\$1,300.00	\$789.00	\$1,578.00	\$700.00	\$1,400.00	\$603.00	\$1,206.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
37	258	8" Valve	1	EACH	\$800.00	\$800.00	\$1,161.00	\$1,161.00	\$950.00	\$950.00	\$900.00	\$900.00
38	258	12" Valve	2	EACH	\$900.00	\$1,800.00	\$1,992.00	\$3,984.00	\$1,750.00	\$3,500.00	\$1,615.00	\$3,230.00
39	259	Special Casting, 6" 45 degree bend	3	EACH	\$200.00	\$600.00	\$143.00	\$429.00	\$225.00	\$675.00	\$120.00	\$360.00
40	259	Special Casting, 6" 90 degree bend	1	EACH	\$250.00	\$250.00	\$159.00	\$159.00	\$250.00	\$250.00	\$133.00	\$133.00
41	259	Special Casting, 8" 45 degree bend	7	EACH	\$200.00	\$1,400.00	\$198.00	\$1,386.00	\$275.00	\$1,925.00	\$290.00	\$2,030.00
42	259	Special Casting, 12" 11-1/4 degree bend	1	EACH	\$300.00	\$300.00	\$314.00	\$314.00	\$375.00	\$375.00	\$300.00	\$300.00
43	259	Special Casting, 12" 45 degree bend	8	EACH	\$300.00	\$2,400.00	\$328.00	\$2,624.00	\$450.00	\$3,600.00	\$290.00	\$2,320.00
44	259	Special Casting, 12"x6" Tee	1	EACH	\$450.00	\$450.00	\$489.00	\$489.00	\$550.00	\$550.00	\$396.00	\$396.00
45	259	Special Casting, 12"x8" Tee	1	EACH	\$550.00	\$550.00	\$497.00	\$497.00	\$600.00	\$600.00	\$435.00	\$435.00
46	259	Special Casting, 12"x12" Tee	1	EACH	\$600.00	\$600.00	\$598.00	\$598.00	\$750.00	\$750.00	\$540.00	\$540.00
47	259	Special Casting, 8" Solid Sleeve	1	EACH	\$600.00	\$600.00	\$245.00	\$245.00	\$225.00	\$225.00	\$172.00	\$172.00
48	259	Special Casting, 12" Solid Sleeve	2	EACH	\$350.00	\$700.00	\$376.00	\$752.00	\$450.00	\$900.00	\$344.00	\$688.00
49	259	Special Casting, 8"x6" Reducer	1	EACH	\$350.00	\$350.00	\$200.00	\$200.00	\$250.00	\$250.00	\$150.00	\$150.00
50	259	Special Casting, 12" Plug	1	EACH	\$300.00	\$300.00	\$200.00	\$200.00	\$150.00	\$150.00	\$106.00	\$106.00
51	260	Fire Hydrants	4	EACH	\$2,500.00	\$10,000.00	\$3,654.00	\$14,616.00	\$2,500.00	\$10,000.00	\$2,500.00	\$10,000.00
52	261	Polyethylene encasement, 6" pipe	20	L.F.	\$2.00	\$40.00	\$0.50	\$10.00	\$1.00	\$20.00	\$22.00	\$440.00
53	261	Polyethylene encasement, 8" pipe	360	L.F.	\$2.00	\$720.00	\$0.50	\$180.00	\$1.00	\$360.00	\$0.40	\$144.00
54	261	Polyethylene encasement, 12" pipe	115	L.F.	\$2.00	\$230.00	\$0.75	\$86.25	\$1.00	\$115.00	\$0.40	\$46.00
55	263	Tying Into Existing 6" Main	3	EACH	\$800.00	\$2,400.00	\$467.00	\$1,401.00	\$650.00	\$1,950.00	\$1,535.00	\$4,605.00
56	263	Tying Into Existing 8" Main	2	EACH	\$800.00	\$1,600.00	\$544.00	\$1,088.00	\$850.00	\$1,700.00	\$1,670.00	\$3,340.00
57	263	Tying Into Existing 12" Main	3	EACH	\$800.00	\$2,400.00	\$612.00	\$1,836.00	\$950.00	\$2,850.00	\$2,200.00	\$6,600.00
58	265	Water Main Valve Boxes Adjusted	15	EACH	\$60.00	\$900.00	\$65.00	\$975.00	\$75.00	\$1,125.00	\$170.00	\$2,550.00
59	301	7-3/4 inch Bituminous Aggregate Base	2157	C.Y.	\$95.00	\$204,915.00	\$92.50	\$199,522.50	\$91.00	\$196,287.00	\$115.00	\$248,055.00
60	407	Tack Coat	1946	GAL.	\$3.00	\$5,838.00	\$2.00	\$3,892.00	\$1.80	\$3,502.80	\$2.00	\$3,892.00
61	407	Tack Coat for Intermediate Course	973	GAL.	\$3.00	\$2,919.00	\$2.00	\$1,946.00	\$1.80	\$1,751.40	\$2.00	\$1,946.00
62	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	836	C.Y.	\$110.00	\$91,960.00	\$108.50	\$90,706.00	\$107.00	\$89,452.00	\$120.00	\$100,320.00
63	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	349	C.Y.	\$130.00	\$45,370.00	\$127.50	\$44,497.50	\$126.00	\$43,974.00	\$145.00	\$50,605.00
64	454	Temporary Concrete Barrier	100	L.F.	\$30.00	\$3,000.00	\$20.00	\$2,000.00	\$20.00	\$2,000.00	\$35.00	\$3,500.00
65	455	Curb, Type 6" X 18"	5097	L.F.	\$15.00	\$76,455.00	\$12.25	\$62,438.25	\$12.50	\$63,712.50	\$10.00	\$50,970.00
66	455	Curb, Concrete Header, 24"x24", with Footer	200	L.F.	\$100.00	\$20,000.00	\$87.50	\$17,500.00	\$95.00	\$19,000.00	\$89.00	\$17,800.00
67	456	Concrete Walk, 6 inches Thick	26220	S.F.	\$5.00	\$131,100.00	\$4.00	\$104,880.00	\$5.45	\$142,899.00	\$4.30	\$112,746.00
68	456	Curb Ramps	2	EACH	\$350.00	\$700.00	\$599.00	\$1,198.00	\$700.00	\$1,400.00	\$210.00	\$420.00
69	460	Brick Walk	1300	S.F.	\$30.00	\$39,000.00	\$15.25	\$19,825.00	\$15.00	\$19,500.00	\$12.30	\$15,990.00
70	552	12 inch RCP Storm Sewer, Class 'B' Bedding	630	L.F.	\$50.00	\$31,500.00	\$34.50	\$21,735.00	\$54.00	\$34,020.00	\$50.00	\$31,500.00
71	552	15 inch RCP Storm Sewer, Class 'B' Bedding (installation only, pipe supplied by City)	227	L.F.	\$30.00	\$6,810.00	\$28.50	\$6,469.50	\$34.00	\$7,718.00	\$42.00	\$9,534.00
72	552	24 inch RCP Storm Sewer, Class 'B' Bedding	515	L.F.	\$85.00	\$43,775.00	\$49.50	\$25,492.50	\$60.00	\$30,900.00	\$78.00	\$40,170.00
73	553	12 inch RCP Inlet Connection, Class "B" Bedding	430	L.F.	\$50.00	\$21,500.00	\$36.50	\$15,695.00	\$56.00	\$24,080.00	\$42.00	\$18,060.00
74	557	12" Sanitary Sewer, VCPES, 706.08 w/706.12	177	L.F.	\$140.00	\$24,780.00	\$56.00	\$9,912.00	\$70.00	\$12,390.00	\$79.00	\$13,983.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
75	557	15" Sanitary Sewer, VCPES, 706.08 w/706.12 Manhole MH-2A on Sanitary Sewer (Casting Supplied by City)	338	L.F.	\$175.00	\$59,150.00	\$78.50	\$26,533.00	\$78.00	\$26,364.00	\$61.00	\$20,618.00
76	561	Manhole MH-2A Slabtop on Storm Sewer (5" Casting Supplied by City)	3	EACH	\$2,500.00	\$7,500.00	\$2,956.00	\$8,868.00	\$2,000.00	\$6,000.00	\$2,300.00	\$6,900.00
77	562	Manhole MH-2B Slabtop on Storm Sewer (5" Casting Supplied by City)	5	EACH	\$2,200.00	\$11,000.00	\$2,144.00	\$10,720.00	\$1,900.00	\$9,500.00	\$1,300.00	\$6,500.00
78	562	Manhole MH-2C Slabtop on Storm Sewer (5" Casting Supplied by City)	2	EACH	\$2,600.00	\$5,200.00	\$2,655.00	\$5,310.00	\$2,650.00	\$5,300.00	\$2,350.00	\$4,700.00
79	562	Brick Manhole Adjusted	1	EACH	\$3,000.00	\$3,000.00	\$2,655.00	\$2,655.00	\$2,750.00	\$2,750.00	\$2,900.00	\$2,900.00
80	562	Brick Manhole Rebuilt	2	EACH	\$325.00	\$650.00	\$544.00	\$1,088.00	\$350.00	\$700.00	\$300.00	\$600.00
81	562	Manhole Steps Replaced	10	L.F.	\$300.00	\$3,000.00	\$987.00	\$9,870.00	\$175.00	\$1,750.00	\$718.00	\$7,180.00
82	562		6	EACH	\$100.00	\$600.00	\$38.00	\$228.00	\$100.00	\$600.00	\$76.00	\$456.00
83	563	Inlet, Double No. 5 Modified (Castings Supplied by City)	2	EACH	\$1,500.00	\$3,000.00	\$1,659.00	\$3,318.00	\$1,950.00	\$3,900.00	\$1,800.00	\$3,600.00
84	563	Inlet, No. 5	1	EACH	\$1,100.00	\$1,100.00	\$1,287.00	\$1,287.00	\$1,750.00	\$1,750.00	\$1,510.00	\$1,510.00
85	563	Inlet, No. 5 Modified	8	EACH	\$1,200.00	\$9,600.00	\$1,433.00	\$11,464.00	\$1,800.00	\$14,400.00	\$1,500.00	\$12,000.00
86	564	4 inch Pipe Underdrains	3000	L.F.	\$4.00	\$12,000.00	\$5.00	\$15,000.00	\$7.00	\$21,000.00	\$7.00	\$21,000.00
87	603	Slag	93	C.Y.	\$20.00	\$1,860.00	\$19.50	\$1,813.50	\$35.00	\$3,255.00	\$37.00	\$3,441.00
88	604	Bank Run Gravel	50	C.Y.	\$25.00	\$1,250.00	\$30.00	\$1,500.00	\$29.00	\$1,450.00	\$24.50	\$1,225.00
89	609	Engineering Geogrid for Roadways	13788	S.Y.	\$7.00	\$96,516.00	\$5.65	\$77,902.20	\$6.00	\$82,728.00	\$5.70	\$78,591.60
90	613	Uniformed Law Enforcement Officer with Patrol Car	40	HOUR	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00	\$45.00	\$1,800.00
91	616	Calcium Chloride	20	TONS	\$5.00	\$100.00	\$462.00	\$9,240.00	\$250.00	\$5,000.00	\$50.00	\$1,000.00
92	621	Lane Lines	2976	L.F.	\$1.00	\$2,976.00	\$0.30	\$892.80	\$0.35	\$1,041.60	\$0.20	\$595.20
93	621	Stop Lines	60	L.F.	\$5.00	\$300.00	\$3.65	\$219.00	\$3.50	\$210.00	\$3.50	\$210.00
94	621	Lane Arrows	2	EACH	\$100.00	\$200.00	\$77.00	\$154.00	\$54.00	\$108.00	\$90.00	\$180.00
95	621	Word on Pavement, 72"	1	EACH	\$100.00	\$100.00	\$99.00	\$99.00	\$75.00	\$75.00	\$125.00	\$125.00
96	621	Center Line, Double, Solid	1130	L.F.	\$3.50	\$3,955.00	\$0.40	\$452.00	\$0.75	\$847.50	\$0.40	\$452.00
97	621	Channelizing Line	170	L.F.	\$3.50	\$595.00	\$0.40	\$68.00	\$1.25	\$212.50	\$0.50	\$85.00
98	621	Transverse Line, Yellow	515	L.F.	\$10.00	\$5,150.00	\$3.70	\$1,905.50	\$2.00	\$1,030.00	\$2.30	\$1,184.50
99	621	Island Marking, Yellow	10	S.F.	\$5.00	\$50.00	\$4.25	\$42.50	\$10.00	\$100.00	\$2.00	\$20.00
100	622	Monument Boxes (Castings Supplied by City)	7	EACH	\$300.00	\$2,100.00	\$521.00	\$3,647.00	\$300.00	\$2,100.00	\$255.00	\$1,785.00
101	625	Trench, 12" or less wide, Not Encased, as per plan	1510	L.F.	\$10.00	\$15,100.00	\$4.00	\$6,040.00	\$7.50	\$11,325.00	\$7.50	\$11,325.00
102	625	Trench, 12" or less wide, Conc. Encased, as per plan	60	L.F.	\$15.00	\$900.00	\$5.00	\$300.00	\$20.00	\$1,200.00	\$19.15	\$1,149.00
103	625	Trench, greater than 12" wide, Not Encased as per plan	1750	L.F.	\$15.00	\$26,250.00	\$6.00	\$10,500.00	\$14.15	\$24,762.50	\$14.15	\$24,762.50
104	625	Trench, greater than 12" wide, Conc. Encased, as per plan	230	L.F.	\$20.00	\$4,600.00	\$7.00	\$1,610.00	\$38.00	\$8,740.00	\$37.45	\$8,613.50
105	625	3" Schedule 40 PVC Conduit (traffic)	957	L.F.	\$5.00	\$4,785.00	\$4.25	\$4,067.25	\$3.00	\$2,871.00	\$3.00	\$2,871.00
106	625	Pull Box Misc. 24x36x24 (traffic)	4	EACH	\$800.00	\$3,200.00	\$999.00	\$3,996.00	\$424.00	\$1,696.00	\$425.00	\$1,700.00
107	625	Pull Box Misc. 30x48x24 (traffic)	1	EACH	\$1,200.00	\$1,200.00	\$1,270.00	\$1,270.00	\$1,095.00	\$1,095.00	\$1,100.00	\$1,100.00
108	625	2" Schedule 40 PVC Conduit (street lighting)	3108	L.F.	\$5.00	\$15,540.00	\$3.00	\$9,324.00	\$2.05	\$6,371.40	\$2.05	\$6,371.40

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
109	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	22	EACH	\$2,500.00	\$55,000.00	\$2,111.00	\$46,442.00	\$1,970.00	\$43,340.00	\$2,000.00	\$44,000.00
110	625	Pull Box, Concrete, 13"x24"x18" (street lighting)	4	EACH	\$550.00	\$2,200.00	\$489.00	\$1,956.00	\$380.00	\$1,520.00	\$378.00	\$1,512.00
111	625	No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution Cable	6416	L.F.	\$3.00	\$19,248.00	\$2.00	\$12,832.00	\$1.50	\$9,624.00	\$1.45	\$9,303.20
112	625	No. 10 AWG, Type THHN Pole and Bracket Cable	1936	L.F.	\$2.00	\$3,872.00	\$0.80	\$1,548.80	\$0.75	\$1,452.00	\$0.75	\$1,452.00
113	625	Fused Connector Kit	22	EACH	\$70.00	\$1,540.00	\$53.00	\$1,166.00	\$48.00	\$1,056.00	\$47.50	\$1,045.00
114	625	Underground Mole Connector, 4 Outlet, Homac RXL-4	8	EACH	\$125.00	\$1,000.00	\$75.00	\$600.00	\$51.00	\$408.00	\$51.50	\$412.00
115	625	Ground Rod	24	EACH	\$175.00	\$4,200.00	\$129.00	\$3,096.00	\$114.00	\$2,736.00	\$113.50	\$2,724.00
116	625	4" Schedule 40 PVC Conduit (First Energy)	9976	L.F.	\$6.00	\$59,856.00	\$5.00	\$49,880.00	\$3.40	\$33,918.40	\$3.40	\$33,918.40
117	625	Manhole, (First Energy)	8	EACH	\$2,000.00	\$16,000.00	\$6,200.00	\$49,600.00	\$4,705.00	\$37,640.00	\$4,705.00	\$37,640.00
118	625	4" Schedule 40 PVC Conduit (AT&T)	9958	L.F.	\$6.00	\$59,748.00	\$5.00	\$49,790.00	\$3.40	\$33,857.20	\$3.40	\$33,857.20
119	625	Manhole, (AT&T)	4	EACH	\$2,000.00	\$8,000.00	\$3,344.00	\$13,376.00	\$2,708.00	\$10,832.00	\$2,710.00	\$10,840.00
120	625	Handhole, (AT&T)	13	EACH	\$1,000.00	\$13,000.00	\$1,020.00	\$13,260.00	\$1,305.00	\$16,965.00	\$1,305.00	\$16,965.00
121	625	4" Schedule 40 PVC Conduit (First Communications)	870	L.F.	\$6.00	\$5,220.00	\$4.70	\$4,089.00	\$3.40	\$2,958.00	\$3.40	\$2,958.00
122	625	Handhole, (First Communications)	4	EACH	\$600.00	\$2,400.00	\$769.00	\$3,076.00	\$422.00	\$1,688.00	\$422.00	\$1,688.00
123	625	4" Schedule 40 PVC Conduit (Time Warner Cable)	2494	L.F.	\$6.00	\$14,964.00	\$5.00	\$12,470.00	\$3.40	\$8,479.60	\$3.40	\$8,479.60
124	625	Handhole, (Time Warner Cable)	16	EACH	\$600.00	\$9,600.00	\$590.00	\$9,440.00	\$422.00	\$6,752.00	\$422.00	\$6,752.00
125	625	2" HDPE Conduit (Verizon)	1176	L.F.	\$5.00	\$5,880.00	\$4.00	\$4,704.00	\$2.30	\$2,704.80	\$2.30	\$2,704.80
126	625	Handhole, (Verizon)	5	EACH	\$600.00	\$3,000.00	\$1,699.00	\$8,495.00	\$1,720.00	\$8,600.00	\$1,720.00	\$8,600.00
127	625	4" Schedule 40 PVC Conduit (Spare)	1740	L.F.	\$6.00	\$10,440.00	\$5.00	\$8,700.00	\$3.40	\$5,916.00	\$3.40	\$5,916.00
128	625	4" Schedule 40 PVC Conduit (City of Akron Communications)	200	L.F.	\$6.00	\$1,200.00	\$5.00	\$1,000.00	\$3.40	\$680.00	\$3.40	\$680.00
129	625	Handhole, (City of Akron Communications)	4	EACH	\$600.00	\$2,400.00	\$540.00	\$2,160.00	\$317.00	\$1,268.00	\$317.00	\$1,268.00
130	630	Traffic Sign - Type A	5	EACH	\$150.00	\$750.00	\$240.00	\$1,200.00	\$203.00	\$1,015.00	\$145.00	\$725.00
131	630	Traffic Sign - Type B	6	EACH	\$250.00	\$1,500.00	\$318.00	\$1,908.00	\$203.00	\$1,218.00	\$172.00	\$1,032.00
132	630	Traffic Sign Removed	4	EACH	\$50.00	\$200.00	\$59.00	\$236.00	\$96.00	\$384.00	\$26.25	\$105.00
133	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded	569	L.F.	\$3.00	\$1,707.00	\$2.00	\$1,138.00	\$1.50	\$853.50	\$1.50	\$853.50
134	632	Signal Support Foundation	2	EACH	\$2,200.00	\$4,400.00	\$1,866.00	\$3,732.00	\$1,858.00	\$3,716.00	\$1,858.00	\$3,716.00
135	632	Signal Support Type TC 81.20, Design 3, as per plan	2	EACH	\$5,000.00	\$10,000.00	\$5,200.00	\$10,400.00	\$5,124.00	\$10,248.00	\$5,124.00	\$10,248.00
136	632	Vehicular Signal Head, 3-section, 12 Inch, LED	5	EACH	\$800.00	\$4,000.00	\$740.00	\$3,700.00	\$760.00	\$3,800.00	\$760.00	\$3,800.00
137	632	Pedestal, 8 feet with Transformer Base, as per plan	1	EACH	\$600.00	\$600.00	\$750.00	\$750.00	\$625.00	\$625.00	\$622.00	\$622.00
138	632	Pedestal, 11 feet with Transformer Base, as per plan	1	EACH	\$700.00	\$700.00	\$800.00	\$800.00	\$720.00	\$720.00	\$717.00	\$717.00
139	632	Pedestrian Signal Head, Type D2, Countdown	2	EACH	\$650.00	\$1,300.00	\$650.00	\$1,300.00	\$590.00	\$1,180.00	\$590.00	\$1,180.00
140	632	Pedestrian Push Button, as per plan	2	EACH	\$25.00	\$50.00	\$126.00	\$252.00	\$155.00	\$310.00	\$154.00	\$308.00
141	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$626.00	\$1,252.00	\$450.00	\$900.00	\$448.00	\$896.00
142	632	Interconnect Misc.: Trunk Cable by Count, 24 Fiber Singlemode, Loose Tube	696	L.F.	\$7.00	\$4,872.00	\$2.00	\$1,392.00	\$2.00	\$1,392.00	\$2.00	\$1,392.00
143	632	Interconnect Misc.: Patch Cord, 4 Fiber	1	EACH	\$125.00	\$125.00	\$170.00	\$170.00	\$160.00	\$160.00	\$159.00	\$159.00
144	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	\$250.00	\$250.00	\$140.00	\$140.00	\$185.00	\$185.00	\$183.00	\$183.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
145	632	Interconnect Misc.: Fusion Splice	2	EACH	\$50.00	\$100.00	\$72.00	\$144.00	\$12.00	\$24.00	\$12.00	\$24.00
146	632	Interconnect Misc.: Fan Out Kit, 6 Fiber	1	EACH	\$80.00	\$80.00	\$100.00	\$100.00	\$53.00	\$53.00	\$52.80	\$52.80
147	632	Interconnect Misc.: Drop Cable 6 Fiber	60	L.F.	\$5.00	\$300.00	\$1.80	\$108.00	\$2.00	\$120.00	\$1.20	\$72.00
148	632	Interconnect Misc.: Fiber Optic Connector	2	L.F.	\$50.00	\$100.00	\$46.00	\$92.00	\$27.00	\$54.00	\$26.50	\$53.00
149	632	Interconnect Misc.: Splice Enclosure	1	EACH	\$500.00	\$500.00	\$300.00	\$300.00	\$820.00	\$820.00	\$818.50	\$818.50
150	632	Interconnect Misc.: Fiber Optic Cable Testing	1	EACH	\$1,000.00	\$1,000.00	\$400.00	\$400.00	\$550.00	\$550.00	\$550.00	\$550.00
151	632	Covering of Vehicular Signal Head	4	EACH	\$30.00	\$120.00	\$27.00	\$108.00	\$40.00	\$160.00	\$36.50	\$146.00
152	632	Covering of Pedestrian Signal Head	2	EACH	\$25.00	\$50.00	\$17.00	\$34.00	\$27.00	\$54.00	\$27.00	\$54.00
153	632	Signalization Misc.: Video Detection System, as per plan	1	L.S.	\$7,000.00	\$7,000.00	\$15,000.00	\$15,000.00	\$14,510.00	\$14,510.00	\$14,600.00	\$14,600.00
154	632	Removal of Traffic Signal Installation Controller Unit, Type ASC3-2100, with Cabinet Type NEMA	2	EACH	\$1,500.00	\$3,000.00	\$980.00	\$1,960.00	\$2,160.00	\$4,320.00	\$2,200.00	\$4,400.00
155	633	TS1	1	EACH	\$13,000.00	\$13,000.00	\$14,000.00	\$14,000.00	\$13,284.00	\$13,284.00	\$13,300.00	\$13,300.00
156	633	Cabinet Foundation	1	EACH	\$1,500.00	\$1,500.00	\$867.00	\$867.00	\$1,136.00	\$1,136.00	\$1,140.00	\$1,140.00
157	633	Controller Misc.: Preemption, Priority Control Controller, Misc.: Fiber Optic Ethernet Transceiver, as per	1	EACH	\$3,000.00	\$3,000.00	\$6,543.00	\$6,543.00	\$5,256.00	\$5,256.00	\$5,256.00	\$5,256.00
158	633	plan	1	EACH	\$1,500.00	\$1,500.00	\$19.00	\$19.00	\$2,726.00	\$2,726.00	\$2,726.00	\$2,726.00
159	633	Testing and Certification of MMU	1	L.S.	\$500.00	\$500.00	\$300.00	\$300.00	\$275.00	\$275.00	\$275.00	\$275.00
160	653	Topsoil Furnished & Placed, 4" Thick	1827	S.Y.	\$5.00	\$9,135.00	\$2.90	\$5,298.30	\$3.50	\$6,394.50	\$3.25	\$5,937.75
161	654	Lawn Renovation with Seeding	890	S.Y.	\$3.00	\$2,670.00	\$2.00	\$1,780.00	\$2.00	\$1,780.00	\$2.70	\$2,403.00
162	659	Lawn Seeding and Mulching	1780	S.Y.	\$2.50	\$4,450.00	\$2.00	\$3,560.00	\$1.75	\$3,115.00	\$1.10	\$1,958.00
163	660	Sodding	1521	S.Y.	\$12.00	\$18,252.00	\$8.50	\$12,928.50	\$7.50	\$11,407.50	\$8.10	\$12,320.10
164	663	Landscaping, as per plan	1	ALLOW	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00	\$45,000.00
165	SPEC	CIPP Point Repair, 15" Sanitary Sewer	16	L.F.	\$125.00	\$2,000.00	\$150.00	\$2,400.00	\$595.00	\$9,520.00	\$540.00	\$8,640.00
166	SPEC	Decorative Reinforced Concrete Pavement, 9" thick	802	S.Y.	\$130.00	\$104,260.00	\$84.00	\$67,368.00	\$86.00	\$68,972.00	\$90.00	\$72,180.00
167	SPEC	Irrigation System, as per plan Executive Drive (West End to Sta. 106+54)	1	ALLOW	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00	\$30,000.00
168	201	Trees Removed, 18"	15	EACH	\$300.00	\$4,500.00	\$276.00	\$4,140.00	\$175.00	\$2,625.00	\$150.00	\$2,250.00
169	202	Utility Pole Removed	1	EACH	\$150.00	\$150.00	\$529.00	\$529.00	\$250.00	\$250.00	\$248.00	\$248.00
170	203	Excavation Including Embankment Construction	2736	C.Y.	\$30.00	\$82,080.00	\$12.50	\$34,200.00	\$22.50	\$61,560.00	\$8.50	\$23,256.00
171	203	Proof Rolling	4	HOUR	\$100.00	\$400.00	\$132.00	\$528.00	\$100.00	\$400.00	\$115.00	\$460.00
172	203	Aggregate Refill, Type 1 (Limestone Only)	936	C.Y.	\$40.00	\$37,440.00	\$29.00	\$27,144.00	\$36.00	\$33,696.00	\$42.00	\$39,312.00
173	203	Aggregate Refill, Type 2 (Limestone Only)	281	C.Y.	\$40.00	\$11,240.00	\$29.00	\$8,149.00	\$42.00	\$11,802.00	\$70.00	\$19,670.00
174	207	Straw or Hay Bales	12	EACH	\$5.00	\$60.00	\$5.00	\$60.00	\$5.00	\$60.00	\$25.00	\$300.00
175	207	Filter Fabric Fence	1800	L.F.	\$2.50	\$4,500.00	\$1.75	\$3,150.00	\$2.50	\$4,500.00	\$1.70	\$3,060.00
176	254	12" Ductile Iron Pipe	1164	L.F.	\$70.00	\$81,480.00	\$59.50	\$69,258.00	\$65.00	\$75,660.00	\$58.00	\$67,512.00
177	258	6" Valve	4	EACH	\$900.00	\$3,600.00	\$789.00	\$3,156.00	\$700.00	\$2,800.00	\$604.00	\$2,416.00
178	258	8" Valve	1	EACH	\$900.00	\$900.00	\$1,161.00	\$1,161.00	\$950.00	\$950.00	\$900.00	\$900.00
179	258	12" Valve	1	EACH	\$900.00	\$900.00	\$1,992.00	\$1,992.00	\$1,750.00	\$1,750.00	\$1,616.00	\$1,616.00
180	259	Special Casting, 8" 45 degree bend	1	EACH	\$300.00	\$300.00	\$198.00	\$198.00	\$275.00	\$275.00	\$300.00	\$300.00
181	259	Special Casting, 12" 22-1/2 degree bend	4	EACH	\$300.00	\$1,200.00	\$328.00	\$1,312.00	\$400.00	\$1,600.00	\$300.00	\$1,200.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
182	259	Special Casting, 12" 45 degree bend	2	EACH	\$300.00	\$600.00	\$328.00	\$656.00	\$450.00	\$900.00	\$290.00	\$580.00
183	259	Special Casting, 12"x12"x6" Tee	4	EACH	\$600.00	\$2,400.00	\$489.00	\$1,956.00	\$550.00	\$2,200.00	\$400.00	\$1,600.00
184	259	Special Casting, 12"x12"x8" Tee	1	EACH	\$600.00	\$600.00	\$497.00	\$497.00	\$600.00	\$600.00	\$440.00	\$440.00
185	259	Special Casting, 12"x6" Reducer	2	EACH	\$350.00	\$700.00	\$344.00	\$688.00	\$250.00	\$500.00	\$205.00	\$410.00
186	259	Special Casting, 8" MJ Plug	1	EACH	\$1,050.00	\$1,050.00	\$175.00	\$175.00	\$125.00	\$125.00	\$70.00	\$70.00
187	259	Special Casting, 12" Dresser Style IC501 Coupling	1	EACH	\$300.00	\$300.00	\$321.00	\$321.00	\$750.00	\$750.00	\$600.00	\$600.00
188	260	Fire Hydrants	4	EACH	\$2,500.00	\$10,000.00	\$3,654.00	\$14,616.00	\$2,500.00	\$10,000.00	\$2,500.00	\$10,000.00
189	261	Polyethylene encasement, 12" pipe	1164	L.F.	\$2.00	\$2,328.00	\$0.75	\$873.00	\$1.00	\$1,164.00	\$0.40	\$465.60
190	301	7-3/4 inch Bituminous Aggregate Base	552	C.Y.	\$95.00	\$52,440.00	\$92.50	\$51,060.00	\$91.00	\$50,232.00	\$116.00	\$64,032.00
191	407	Tack Coat	257	GAL.	\$3.00	\$771.00	\$2.00	\$514.00	\$1.80	\$462.60	\$2.00	\$514.00
192	407	Tack Coat for Intermediate Course	129	GAL.	\$3.00	\$387.00	\$2.00	\$258.00	\$1.80	\$232.20	\$2.00	\$258.00
193	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	214	C.Y.	\$110.00	\$23,540.00	\$108.50	\$23,219.00	\$107.00	\$22,898.00	\$138.00	\$29,532.00
194	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	89	C.Y.	\$130.00	\$11,570.00	\$127.50	\$11,347.50	\$126.00	\$11,214.00	\$175.00	\$15,575.00
195	455	Curb, Type 6" X 18"	1608	L.F.	\$15.00	\$24,120.00	\$12.25	\$19,698.00	\$12.50	\$20,100.00	\$9.00	\$14,472.00
196	456	Concrete Aprons, 6 inches thick	200	S.F.	\$6.00	\$1,200.00	\$5.50	\$1,100.00	\$5.25	\$1,050.00	\$5.50	\$1,100.00
197	456	Concrete Driveway Reconstruction, 6 inches thick	600	S.F.	\$6.00	\$3,600.00	\$5.50	\$3,300.00	\$4.85	\$2,910.00	\$5.75	\$3,450.00
198	564	4 inch Pipe Underdrains	1308	L.F.	\$4.00	\$5,232.00	\$5.00	\$6,540.00	\$7.00	\$9,156.00	\$6.00	\$7,848.00
199	609	Engineering Geogrid for Roadways	2807	S.Y.	\$7.00	\$19,649.00	\$5.65	\$15,859.55	\$6.00	\$16,842.00	\$5.75	\$16,140.25
200	618	Computer Equipment	1	ALLOW	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
201	621	Center Lines	317	L.F.	\$1.00	\$317.00	\$0.65	\$206.05	\$0.50	\$158.50	\$0.40	\$126.80
202	622	Monument Boxes (Castings Supplied by City)	3	EACH	\$300.00	\$900.00	\$521.00	\$1,563.00	\$300.00	\$900.00	\$275.00	\$825.00
203	625	Trench, 12" or less wide, Not Encased, as per plan (street lighting)	1400	L.F.	\$10.00	\$14,000.00	\$4.00	\$5,600.00	\$7.50	\$10,500.00	\$7.50	\$10,500.00
204	625	2" Schedule 40 PVC Conduit (street lighting)	1400	L.F.	\$6.00	\$8,400.00	\$3.00	\$4,200.00	\$2.00	\$2,800.00	\$1.90	\$2,660.00
205	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	11	EACH	\$2,500.00	\$27,500.00	\$2,111.00	\$23,221.00	\$1,970.00	\$21,670.00	\$1,970.00	\$21,670.00
206	625	No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution Cable	1510	L.F.	\$3.00	\$4,530.00	\$2.00	\$3,020.00	\$1.50	\$2,265.00	\$1.50	\$2,265.00
207	625	No. 10 AWG, Type THHN Pole and Bracket Cable	968	L.F.	\$2.00	\$1,936.00	\$0.80	\$774.40	\$0.75	\$726.00	\$0.75	\$726.00
208	625	Fused Connector Kit	11	EACH	\$70.00	\$770.00	\$53.00	\$583.00	\$48.00	\$528.00	\$47.50	\$522.50
209	625	Ground Rod	11	EACH	\$175.00	\$1,925.00	\$129.00	\$1,419.00	\$114.00	\$1,254.00	\$113.50	\$1,248.50
210	653	Topsoil Furnished & Placed, 4" Thick	220	S.Y.	\$5.00	\$1,100.00	\$2.90	\$638.00	\$3.50	\$770.00	\$3.25	\$715.00
211	SPEC	BioRetention Cell, as per plan	1	L.S.	\$15,000.00	\$15,000.00	\$14,569.00	\$14,569.00	\$14,000.00	\$14,000.00	\$5,420.00	\$5,420.00
212	SPEC	Work Involving Petroleum-Contaminated Soils, as per plan	1	TON	\$150.00	\$150.00	\$429.00	\$429.00	\$1,850.00	\$1,850.00	\$3,000.00	\$3,000.00
213	SPEC	Work Involving Water, as per plan Roundabout	50	GAL.	\$5.00	\$250.00	\$3.00	\$150.00	\$25.00	\$1,250.00	\$45.00	\$2,250.00
214	201	Trees Removed, 18"	8	EACH	\$300.00	\$2,400.00	\$55.00	\$440.00	\$150.00	\$1,200.00	\$125.00	\$1,000.00
215	202	Pipe Abandoned and Filled, 12 inch Water Main	1945	L.F.	\$5.00	\$9,725.00	\$2.75	\$5,348.75	\$2.00	\$3,890.00	\$7.25	\$14,101.25

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
216	202	Pipe Abandoned and Filled, 12 inch Storm Sewer	476	L.F.	\$5.00	\$2,380.00	\$2.75	\$1,309.00	\$2.00	\$952.00	\$9.00	\$4,284.00
217	202	Pipe Abandoned and Filled, 15 inch Storm Sewer	463	L.F.	\$5.00	\$2,315.00	\$4.00	\$1,852.00	\$3.00	\$1,389.00	\$10.00	\$4,630.00
218	202	Pipe Abandoned and Filled, 12 inch Sanitary Sewer	316	L.F.	\$5.00	\$1,580.00	\$2.75	\$869.00	\$2.00	\$632.00	\$9.00	\$2,844.00
219	202	Pipe Abandoned and Filled, 24 inch Sanitary Sewer	273	L.F.	\$15.00	\$4,095.00	\$7.00	\$1,911.00	\$6.00	\$1,638.00	\$14.00	\$3,822.00
220	202	Pipe Abandoned and Filled, 36 inch Water Main	240	L.F.	\$15.00	\$3,600.00	\$17.00	\$4,080.00	\$13.00	\$3,120.00	\$22.00	\$5,280.00
221	202	Pipe Removed, 36 inch Water Main	60	L.F.	\$15.00	\$900.00	\$24.00	\$1,440.00	\$15.00	\$900.00	\$58.00	\$3,480.00
222	202	Manhole Removed	9	EACH	\$200.00	\$1,800.00	\$400.00	\$3,600.00	\$350.00	\$3,150.00	\$768.00	\$6,912.00
223	202	Catch Basin or Inlet Removed	15	EACH	\$150.00	\$2,250.00	\$350.00	\$5,250.00	\$250.00	\$3,750.00	\$108.00	\$1,620.00
224	202	Sidewalk Removed	168	S.Y.	\$10.00	\$1,680.00	\$5.75	\$966.00	\$7.00	\$1,176.00	\$9.00	\$1,512.00
225	202	Hydrant Removed	6	EACH	\$350.00	\$2,100.00	\$277.00	\$1,662.00	\$200.00	\$1,200.00	\$250.00	\$1,500.00
226	202	Valve Removed	6	EACH	\$150.00	\$900.00	\$178.00	\$1,068.00	\$100.00	\$600.00	\$215.00	\$1,290.00
227	202	Fence Removed	20	L.F.	\$150.00	\$3,000.00	\$5.75	\$115.00	\$10.00	\$200.00	\$11.00	\$220.00
228	202	Street Lighting Assembly Removed for Storage	14	EACH	\$150.00	\$2,100.00	\$200.00	\$2,800.00	\$186.00	\$2,604.00	\$190.00	\$2,660.00
229	203	Excavation Including Embankment Construction	10870	C.Y.	\$30.00	\$326,100.00	\$12.50	\$135,875.00	\$22.50	\$244,575.00	\$10.00	\$108,700.00
230	203	Proof Rolling	10	HOUR	\$100.00	\$1,000.00	\$132.00	\$1,320.00	\$100.00	\$1,000.00	\$115.00	\$1,150.00
231	203	Aggregate Refill, Type 1 (Limestone Only)	2327	C.Y.	\$40.00	\$93,080.00	\$29.00	\$67,483.00	\$36.00	\$83,772.00	\$41.00	\$95,407.00
232	203	Aggregate Refill, Type 1, 2" Thick, as per plan	65	C.Y.	\$40.00	\$2,600.00	\$31.00	\$2,015.00	\$50.00	\$3,250.00	\$50.00	\$3,250.00
233	203	Aggregate Refill, Type 2 (Limestone Only)	693	C.Y.	\$40.00	\$27,720.00	\$29.00	\$20,097.00	\$42.00	\$29,106.00	\$70.00	\$48,510.00
234	204	Aggregate Refill, Type 2, 9" Thick, as per plan	291	C.Y.	\$40.00	\$11,640.00	\$31.00	\$9,021.00	\$42.00	\$12,222.00	\$61.00	\$17,751.00
235	207	Straw or Hay Bales	28	EACH	\$5.00	\$140.00	\$5.00	\$140.00	\$5.00	\$140.00	\$15.00	\$420.00
236	207	Filter Fabric Fence	3300	L.F.	\$2.50	\$8,250.00	\$1.75	\$5,775.00	\$2.50	\$8,250.00	\$1.75	\$5,775.00
237	207	Temporary Seeding and Mulching	500	S.Y.	\$1.00	\$500.00	\$0.50	\$250.00	\$1.00	\$500.00	\$0.25	\$125.00
238	254	6" Ductile Iron Pipe	12	L.F.	\$70.00	\$840.00	\$41.50	\$498.00	\$55.00	\$660.00	\$38.00	\$456.00
239	254	12" Ductile Iron Pipe	695	L.F.	\$70.00	\$48,650.00	\$59.50	\$41,352.50	\$67.00	\$46,565.00	\$72.00	\$50,040.00
240	258	12" Valve	5	EACH	\$900.00	\$4,500.00	\$1,992.00	\$9,960.00	\$1,750.00	\$8,750.00	\$1,615.00	\$8,075.00
241	259	Special Casting, 12" 45 degree bend	12	EACH	\$300.00	\$3,600.00	\$328.00	\$3,936.00	\$450.00	\$5,400.00	\$290.00	\$3,480.00
242	259	Special Casting, 12"x6" Tee	4	EACH	\$600.00	\$2,400.00	\$489.00	\$1,956.00	\$550.00	\$2,200.00	\$396.00	\$1,584.00
243	259	Special Casting, 12"x12" Tee	4	EACH	\$600.00	\$2,400.00	\$598.00	\$2,392.00	\$750.00	\$3,000.00	\$540.00	\$2,160.00
244	259	Special Casting, 12" 11-1/4 Degree Bend	1	EACH	\$350.00	\$350.00	\$314.00	\$314.00	\$375.00	\$375.00	\$300.00	\$300.00
245	259	Special Casting, 12" 22-1/2 Degree Bend	1	EACH	\$350.00	\$350.00	\$324.00	\$324.00	\$400.00	\$400.00	\$300.00	\$300.00
246	259	Special Casting, 12"x12"x12"x12" Cross	1	EACH	\$350.00	\$350.00	\$799.00	\$799.00	\$950.00	\$950.00	\$700.00	\$700.00
247	259	Special Casting, 12"x6" Reducer	1	EACH	\$350.00	\$350.00	\$342.00	\$342.00	\$250.00	\$250.00	\$220.00	\$220.00
248	259	Special Casting, 24"x12" Reducer	1	EACH	\$350.00	\$350.00	\$2,458.00	\$2,458.00	\$1,250.00	\$1,250.00	\$2,614.00	\$2,614.00
249	259	Special Casting, 36"x24" Reducer	1	EACH	\$350.00	\$350.00	\$4,879.00	\$4,879.00	\$4,800.00	\$4,800.00	\$5,876.00	\$5,876.00
250	259	Special Casting, 8" Plug	1	EACH	\$200.00	\$200.00	\$150.00	\$150.00	\$150.00	\$150.00	\$70.00	\$70.00
251	259	Special Casting, 12" Plug	2	EACH	\$300.00	\$600.00	\$200.00	\$400.00	\$175.00	\$350.00	\$106.00	\$212.00
252	259	Special Casting, 12" MJ Plug	1	EACH	\$350.00	\$350.00	\$179.00	\$179.00	\$175.00	\$175.00	\$106.00	\$106.00
253	259	Special Casting, 12" Cap	1	EACH	\$250.00	\$250.00	\$179.00	\$179.00	\$175.00	\$175.00	\$100.00	\$100.00
254	259	Special Casting, 36" Concrete to Ductile Transition Fitting	1	EACH	\$2,000.00	\$2,000.00	\$3,422.00	\$3,422.00	\$1,500.00	\$1,500.00	\$5,080.00	\$5,080.00
255	260	Fire Hydrants	5	EACH	\$2,500.00	\$12,500.00	\$3,654.00	\$18,270.00	\$2,500.00	\$12,500.00	\$2,500.00	\$12,500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
256	261	Polyethylene encasement, 12" pipe	695	L.F.	\$2.00	\$1,390.00	\$0.75	\$521.25	\$1.00	\$695.00	\$0.40	\$278.00
257	261	Polyethylene encasement, 36" pipe	16	L.F.	\$2.00	\$32.00	\$2.75	\$44.00	\$2.00	\$32.00	\$12.50	\$200.00
258	262	12" Manual Air Release - Tap Required	1	EACH	\$1,000.00	\$1,000.00	\$480.00	\$480.00	\$2,250.00	\$2,250.00	\$980.00	\$980.00
259	265	Water Main Valve Boxes Adjusted	2	EACH	\$100.00	\$200.00	\$65.00	\$130.00	\$75.00	\$150.00	\$179.00	\$358.00
260	301	7-3/4 inch Bituminous Aggregate Base	774	C.Y.	\$95.00	\$73,530.00	\$91.00	\$70,434.00	\$91.00	\$70,434.00	\$118.00	\$91,332.00
261	304	Aggregate Base, 3" Thick (Limestone Only)	79	C.Y.	\$55.00	\$4,345.00	\$34.00	\$2,686.00	\$48.00	\$3,792.00	\$53.00	\$4,187.00
262	407	Tack Coat	365	GAL.	\$3.00	\$1,095.00	\$2.00	\$730.00	\$1.80	\$657.00	\$2.00	\$730.00
263	407	Tack Coat for Intermediate Course	183	GAL.	\$3.00	\$549.00	\$2.00	\$366.00	\$1.80	\$329.40	\$2.00	\$366.00
264	446	Asphalt Concrete Intermediate Course, Type 2 Medium, PG64-22, 3 inch thick	304	C.Y.	\$110.00	\$33,440.00	\$107.00	\$32,528.00	\$107.00	\$32,528.00	\$129.00	\$39,216.00
265	446	Asphalt Concrete Surface Course, Type 1 Medium, PG64-22, 1-1/4 inch thick	127	C.Y.	\$130.00	\$16,510.00	\$126.00	\$16,002.00	\$126.00	\$16,002.00	\$152.00	\$19,304.00
266	451	9" Reinforced Portland Cement Concrete Pavement, w/integral curb, as per plan	2730	S.Y.	\$100.00	\$273,000.00	\$79.00	\$215,670.00	\$56.00	\$152,880.00	\$80.00	\$218,400.00
267	455	Curb, Type 6" X 18"	1734	L.F.	\$15.00	\$26,010.00	\$12.25	\$21,241.50	\$13.00	\$22,542.00	\$13.50	\$23,409.00
268	455	Curb, Type 4-C, as per plan	717	L.F.	\$15.00	\$10,755.00	\$23.00	\$16,491.00	\$17.00	\$12,189.00	\$17.00	\$12,189.00
269	SPEC	Mountable Truck Apron Curb, as per plan	230	L.F.	\$15.00	\$3,450.00	\$14.75	\$3,392.50	\$18.00	\$4,140.00	\$19.00	\$4,370.00
270	456	Concrete Walk, 6 inches Thick	6687	S.F.	\$5.00	\$33,435.00	\$4.00	\$26,748.00	\$5.45	\$36,444.15	\$4.30	\$28,754.10
271	456	Curb Ramps	8	EACH	\$350.00	\$2,800.00	\$599.00	\$4,792.00	\$550.00	\$4,400.00	\$210.00	\$1,680.00
272	552	12 inch RCP Storm Sewer, Class 'B' Bedding	573	L.F.	\$50.00	\$28,650.00	\$34.50	\$19,768.50	\$52.00	\$29,796.00	\$52.00	\$29,796.00
273	552	18 inch RCP Storm Sewer, Class 'B' Bedding	174	L.F.	\$65.00	\$11,310.00	\$39.70	\$6,907.80	\$56.00	\$9,744.00	\$54.00	\$9,396.00
274	552	24 inch Storm Sewer, Type A, Class 'B' Bedding	311	L.F.	\$80.00	\$24,880.00	\$49.50	\$15,394.50	\$63.00	\$19,593.00	\$78.00	\$24,258.00
275	553	12 inch RCP Inlet Connection, Class "B" Bedding	226	L.F.	\$50.00	\$11,300.00	\$36.50	\$8,249.00	\$47.00	\$10,622.00	\$42.00	\$9,492.00
276	557	10 inch Sanitary Sewer, 706.08 w/706.12, Class 'A' Bedding	213	L.F.	\$275.00	\$58,575.00	\$59.80	\$12,737.40	\$268.00	\$57,084.00	\$457.00	\$97,341.00
277	557	24 inch Sanitary Sewer 12 inch Pipe Reconnections, 706.08 with 706.12, Class 'B'	1208	L.F.	\$325.00	\$392,600.00	\$248.00	\$299,584.00	\$335.00	\$404,680.00	\$530.00	\$640,240.00
278	559	Bedding	20	L.F.	\$50.00	\$1,000.00	\$79.50	\$1,590.00	\$250.00	\$5,000.00	\$163.00	\$3,260.00
279	562	Manhole MH-1A on 10" Sanitary Sewer	2	EACH	\$5,000.00	\$10,000.00	\$2,899.00	\$5,798.00	\$3,500.00	\$7,000.00	\$9,600.00	\$19,200.00
280	562	Manhole MH-2A Slabtop on Storm Sewer (5" Casting Supplied by City)	6	EACH	\$2,200.00	\$13,200.00	\$2,456.00	\$14,736.00	\$1,950.00	\$11,700.00	\$1,300.00	\$7,800.00
281	562	Manhole MH-2B Slabtop on Storm Sewer (5" Casting Supplied by City)	2	EACH	\$2,200.00	\$4,400.00	\$2,456.00	\$4,912.00	\$2,650.00	\$5,300.00	\$2,225.00	\$4,450.00
282	562	Manhole MH-2B on 24" Sanitary Sewer	1	EACH	\$7,500.00	\$7,500.00	\$9,876.00	\$9,876.00	\$4,200.00	\$4,200.00	\$11,130.00	\$11,130.00
283	562	Drop Manhole MH-2B on 24" Sanitary Sewer	3	EACH	\$9,000.00	\$27,000.00	\$15,438.00	\$46,314.00	\$8,200.00	\$24,600.00	\$16,800.00	\$50,400.00
284	562	Drop Manhole MH-2C on 24" Sanitary Sewer	1	EACH	\$14,000.00	\$14,000.00	\$14,377.00	\$14,377.00	\$8,100.00	\$8,100.00	\$17,500.00	\$17,500.00
285	562	Brick Manhole Adjusted	7	EACH	\$325.00	\$2,275.00	\$544.00	\$3,808.00	\$250.00	\$1,750.00	\$300.00	\$2,100.00
286	563	Inlet, No. 5	3	EACH	\$1,100.00	\$3,300.00	\$1,476.00	\$4,428.00	\$1,750.00	\$5,250.00	\$1,500.00	\$4,500.00
287	563	Double Inlet, No. 5	2	EACH	\$1,100.00	\$2,200.00	\$2,133.00	\$4,266.00	\$2,150.00	\$4,300.00	\$2,400.00	\$4,800.00
288	563	Double Inlet, No. 5 Modified	1	EACH	\$1,100.00	\$1,100.00	\$2,211.00	\$2,211.00	\$2,200.00	\$2,200.00	\$2,900.00	\$2,900.00
289	564	4 inch Pipe Underdrains	3771	L.F.	\$4.00	\$15,084.00	\$5.00	\$18,855.00	\$7.00	\$26,397.00	\$7.00	\$26,397.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
290	602	Concrete Masonry (ODOT HW-2.2), as per plan	1	EACH	\$500.00	\$500.00	\$421.00	\$421.00	\$350.00	\$350.00	\$304.00	\$304.00
291	ODOT 604	ODOT CB NO. 6	3	EACH	\$1,500.00	\$4,500.00	\$1,655.00	\$4,965.00	\$650.00	\$1,950.00	\$1,020.00	\$3,060.00
292	ODOT 604	ODOT CB 2-2B	2	EACH	\$1,500.00	\$3,000.00	\$1,121.00	\$2,242.00	\$750.00	\$1,500.00	\$720.00	\$1,440.00
293	609	Engineering Geogrid for Roadways	6982	S.Y.	\$7.00	\$48,874.00	\$5.65	\$39,448.30	\$6.00	\$41,892.00	\$5.75	\$40,146.50
294	621	Edge Lines	220	L.F.	\$1.00	\$220.00	\$0.40	\$88.00	\$1.50	\$330.00	\$0.30	\$66.00
295	621	Lane Lines	371	L.F.	\$1.00	\$371.00	\$0.30	\$111.30	\$1.20	\$445.20	\$0.20	\$74.20
296	621	Center Lines	1621	L.F.	\$1.00	\$1,621.00	\$0.50	\$810.50	\$0.75	\$1,215.75	\$0.40	\$648.40
297	621	Dashed Lines	176	L.F.	\$1.00	\$176.00	\$0.30	\$52.80	\$8.00	\$1,408.00	\$0.20	\$35.20
298	621	Crosswalk Lines	192	L.F.	\$1.00	\$192.00	\$3.50	\$672.00	\$2.75	\$528.00	\$2.00	\$384.00
299	621	Transverse/Diagonal Line (Yellow)	130	L.F.	\$3.00	\$390.00	\$3.65	\$474.50	\$2.00	\$260.00	\$2.30	\$299.00
300	621	Yield Line, Shark's Teeth (White)	60	L.F.	\$3.00	\$180.00	\$1.25	\$75.00	\$11.00	\$660.00	\$3.00	\$180.00
301	621	Lane Arrow, Fish Hook	6	EACH	\$100.00	\$600.00	\$100.00	\$600.00	\$225.00	\$1,350.00	\$135.00	\$810.00
302	622	Monument Boxes (Castings Supplied by City)	6	EACH	\$300.00	\$1,800.00	\$521.00	\$3,126.00	\$300.00	\$1,800.00	\$260.00	\$1,560.00
303	625	Trench, 12" or less wide, Not Encased, as per plan (street lighting)	980	L.F.	\$10.00	\$9,800.00	\$4.00	\$3,920.00	\$7.50	\$7,350.00	\$7.50	\$7,350.00
304	625	Trench, 12" or less wide, Conc. Encased, as per plan (street lighting)	280	L.F.	\$15.00	\$4,200.00	\$5.00	\$1,400.00	\$19.00	\$5,320.00	\$19.15	\$5,362.00
305	625	Trench, 12" or less wide, Conc. Encased, as per plan (traffic)	35	L.F.	\$15.00	\$525.00	\$6.00	\$210.00	\$19.00	\$665.00	\$19.15	\$670.25
306	625	3" Schedule 40 PVC Conduit (traffic)	940	L.F.	\$8.00	\$7,520.00	\$4.25	\$3,995.00	\$3.00	\$2,820.00	\$2.95	\$2,773.00
307	625	Pull Box Misc. 24x36x24 (traffic)	7	EACH	\$800.00	\$5,600.00	\$999.00	\$6,993.00	\$755.00	\$5,285.00	\$755.00	\$5,285.00
308	625	2" Schedule 40 PVC Conduit (street lighting)	2150	L.F.	\$6.00	\$12,900.00	\$3.00	\$6,450.00	\$2.00	\$4,300.00	\$1.90	\$4,085.00
309	625	2" Schedule 80 PVC Conduit Riser (street lighting)	1	EACH	\$100.00	\$100.00	\$450.00	\$450.00	\$352.00	\$352.00	\$351.50	\$351.50
310	625	Street Light, Round Davet Pole w/250 Watt HPS, Type III, Complete and in Place	15	EACH	\$2,500.00	\$37,500.00	\$2,111.00	\$31,665.00	\$1,968.00	\$29,520.00	\$2,000.00	\$30,000.00
311	625	Pull Box, Concrete, 13"x24"x18" (street lighting)	8	EACH	\$550.00	\$4,400.00	\$489.00	\$3,912.00	\$395.00	\$3,160.00	\$395.00	\$3,160.00
312	625	No. 4 AWG, Type XLP-USE Copper 600 Volt Distribution Cable	2250	L.F.	\$3.00	\$6,750.00	\$2.00	\$4,500.00	\$1.50	\$3,375.00	\$1.50	\$3,375.00
313	625	No. 10 AWG, Type THHN Pole and Bracket Cable	1320	L.F.	\$2.00	\$2,640.00	\$0.80	\$1,056.00	\$0.75	\$990.00	\$0.75	\$990.00
314	625	Fused Connector Kit	15	EACH	\$70.00	\$1,050.00	\$53.00	\$795.00	\$48.00	\$720.00	\$47.50	\$712.50
315	625	Underground Mole Connector, 4 Outlet, Homac RXL-4	14	EACH	\$125.00	\$1,750.00	\$75.00	\$1,050.00	\$47.00	\$658.00	\$47.00	\$658.00
316	625	Underground Mole Connector, 6 Outlet, Homac RXL-4	2	EACH	\$200.00	\$400.00	\$80.00	\$160.00	\$52.00	\$104.00	\$52.00	\$104.00
317	630	Traffic Sign - Type B	49	EACH	\$250.00	\$12,250.00	\$280.00	\$13,720.00	\$188.00	\$9,212.00	\$172.00	\$8,428.00
318	630	Traffic Sign Removed	4	EACH	\$50.00	\$200.00	\$42.00	\$168.00	\$83.00	\$332.00	\$17.50	\$70.00
319	632	Interconnect Misc.: Trunk Cable by Count, 24 Fiber Singlemode, Loose Tube	940	L.F.	\$7.00	\$6,580.00	\$2.00	\$1,880.00	\$2.00	\$1,880.00	\$2.00	\$1,880.00
320	653	Topsoil Furnished & Placed, 4" Thick	1925	S.Y.	\$5.00	\$9,625.00	\$2.90	\$5,582.50	\$3.50	\$6,737.50	\$3.25	\$6,256.25
321	660	Sodding	871	S.Y.	\$12.00	\$10,452.00	\$8.50	\$7,403.50	\$7.50	\$6,532.50	\$8.10	\$7,055.10
322	ODOT 803	Rubberized Open Graded Asphalt Friction Course	97	C.Y.	\$180.00	\$17,460.00	\$178.00	\$17,266.00	\$325.00	\$31,525.00	\$310.00	\$30,070.00
323	SPEC	BioRetention Cell, as per plan	1	L.S.	\$15,000.00	\$15,000.00	\$14,569.00	\$14,569.00	\$12,000.00	\$12,000.00	\$4,800.00	\$4,800.00
324	SPEC	Decorative Reinforced Concrete Pavement, 9" thick	531	S.Y.	\$120.00	\$63,720.00	\$109.00	\$57,879.00	\$95.00	\$50,445.00	\$95.00	\$50,445.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		**4. Wenger Excavating		5. Fabrizi Trucking & Paving		6. Karvo Paving	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
325	SPEC	Decorative Reinforced Concrete Pavement, 9" thick, w/integral 6" curb (colored only)	290	S.Y.	\$100.00	\$29,000.00	\$121.00	\$35,090.00	\$96.00	\$27,840.00	\$120.00	\$34,800.00
326	SPEC	Decorative Reinforced Concrete Pavement, 9" thick (colored only)	252	S.Y.	\$100.00	\$25,200.00	\$69.00	\$17,388.00	\$97.00	\$24,444.00	\$100.00	\$25,200.00
ALTERNATE #1												
ALT#1	632	Signalization Misc.: Video Detection System, Autoscope Solo, Terra MVP, as per plan	1	L.S.	\$7,000.00	\$7,000.00	\$15,689.00	\$15,689.00	\$15,525.00	\$15,525.00	\$14,510.00	\$14,510.00
ALTERNATE #2												
ALT#2	633	Controller Item Misc.: Preemption Priority Control, SONEM - 2000, as per plan	1	Each	\$3,000.00	\$3,000.00	\$7,655.00	\$7,655.00	\$5,600.00	\$5,600.00	\$5,225.00	\$5,225.00
TOTAL CONSTRUCTION COSTS						\$5,012,509.00		\$4,318,634.20		\$4,457,626.50		\$4,706,644.05
+/- ENGINEER'S ESTIMATE								-13.8%		-11.1%		-6.1%
ALTERNATE #1												
TOTAL CONSTRUCTION COSTS						\$7,000.00		\$15,689.00		\$15,525.00		\$14,510.00
+/- ENGINEER'S ESTIMATE								+124.1%		+121.8%		+107.3%
ALTERNATE #2												
TOTAL CONSTRUCTION COSTS						\$3,000.00		\$7,655.00		\$5,600.00		\$5,225.00
+/- ENGINEER'S ESTIMATE								+155.2%		+86.7%		+74.2%

* Ref. #134 extended amount incorrect in bid book,, Unofficial Construction Cost incorrect in bid book

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