

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction		2. Karvo Paving Company		3. Liberta Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	30,000.00	\$30,000.00	\$20,000.00	\$20,000.00	\$25,000.00	\$25,000.00	\$51,000.00	\$51,000.00
2	201	Trees Removed, 18 inch	47	EACH	800.00	\$37,600.00	\$130.00	\$6,110.00	\$135.00	\$6,345.00	\$135.00	\$6,345.00
3	201	Trees Removed, 30 inch	1	EACH	1,200.00	\$1,200.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00	\$500.00
4	201	Trees Removed, 48 inch	3	EACH	2,200.00	\$6,600.00	\$700.00	\$2,100.00	\$750.00	\$2,250.00	\$750.00	\$2,250.00
5	201	Stump Removed, 60 inch	1	EACH	900.00	\$900.00	\$100.00	\$100.00	\$50.00	\$50.00	\$50.00	\$50.00
6	202	Sidewalk Removed	5859	S.F.	2.00	\$11,718.00	\$1.00	\$5,859.00	\$0.75	\$4,394.25	\$0.66	\$3,866.94
7	202	Curb Removed	1089	L.F.	3.00	\$3,267.00	\$1.00	\$1,089.00	\$3.50	\$3,811.50	\$3.00	\$3,267.00
8	202	Curb and Gutter Removed	443	L.F.	8.00	\$3,544.00	\$1.00	\$443.00	\$4.00	\$1,772.00	\$3.00	\$1,329.00
9	202	Pipe Removed, 12 inch	229	L.F.	15.00	\$3,435.00	\$3.00	\$687.00	\$12.50	\$2,862.50	\$4.00	\$916.00
10	202	Pipe Removed, 24 inch	305	L.F.	20.00	\$6,100.00	\$3.00	\$915.00	\$13.50	\$4,117.50	\$0.01	\$3.05
11	202	Pipe Abandoned, 12 inch & Under	1974	L.F.	2.00	\$3,948.00	\$1.00	\$1,974.00	\$1.00	\$1,974.00	\$4.00	\$7,896.00
12	202	Headwall Removed	2	EACH	250.00	\$500.00	\$50.00	\$100.00	\$165.00	\$330.00	\$0.01	\$0.02
13	202	Valve Removed	5	EACH	125.00	\$625.00	\$100.00	\$500.00	\$30.00	\$150.00	\$0.01	\$0.05
14	202	Hydrant Removed	4	EACH	125.00	\$500.00	\$150.00	\$600.00	\$250.00	\$1,000.00	\$25.00	\$100.00
15	202	Pavement Removed, Wearing Course	761	S.Y.	8.00	\$6,088.00	\$3.00	\$2,283.00	\$5.50	\$4,185.50	\$7.50	\$5,707.50
16	202	Pavement Removed, Concrete (10" thick)	816	S.Y.	22.00	\$17,952.00	\$7.00	\$5,712.00	\$6.50	\$5,304.00	\$4.00	\$3,264.00
17	202	Catch Basin or Inlet Removed	10	EACH	250.00	\$2,500.00	\$50.00	\$500.00	\$180.00	\$1,800.00	\$25.00	\$250.00
18	203	Excavation Not Including Embankment Construction	2993	C.Y.	25.00	\$74,825.00	\$10.00	\$29,930.00	\$15.00	\$44,895.00	\$10.00	\$29,930.00
19	203	Embankment	3228	C.Y.	10.00	\$32,280.00	\$7.00	\$22,596.00	\$2.00	\$6,456.00	\$1.00	\$3,228.00
20	203	Subgrade Compaction	33132	S.Y.	2.50	\$82,830.00	\$1.50	\$49,698.00	\$0.15	\$4,969.80	\$0.05	\$1,656.60
21	203	Proof Rolling	19	HOUR	100.00	\$1,900.00	\$100.00	\$1,900.00	\$115.00	\$2,185.00	\$5.00	\$95.00
22	203	Aggregate Refill, Type 1	2934	C.Y.	65.00	\$190,710.00	\$37.00	\$108,558.00	\$42.00	\$123,228.00	\$40.00	\$117,360.00
23	203	Aggregate Refill, Type 2	4085	C.Y.	65.00	\$265,525.00	\$40.00	\$163,400.00	\$33.00	\$134,805.00	\$40.00	\$163,400.00
24	207	Filter Fabric Fence	5470	L.F.	1.00	\$5,470.00	\$1.50	\$8,205.00	\$1.60	\$8,752.00	\$0.25	\$1,367.50
25	207	Inlet Protection	15	EACH	50.00	\$750.00	\$150.00	\$2,250.00	\$125.00	\$1,875.00	\$1.00	\$15.00
26	SPEC	Permanent Slope Protection	3577	S.Y.	27.00	\$96,579.00	\$4.00	\$14,308.00	\$4.50	\$16,096.50	\$4.50	\$16,096.50
27	252	Trenches for Water Services in Earth	435	L.F.	15.00	\$6,525.00	\$15.00	\$6,525.00	\$21.00	\$9,135.00	\$15.00	\$6,525.00
28	254	8 inch Ductile Iron Pipe	1930	L.F.	85.00	\$164,050.00	\$55.00	\$106,150.00	\$42.00	\$81,060.00	\$40.00	\$77,200.00
29	258	6 inch Gate Valve	8	EACH	900.00	\$7,200.00	\$600.00	\$4,800.00	\$600.00	\$4,800.00	\$620.00	\$4,960.00
30	258	8 inch Gate Valve	3	EACH	1,100.00	\$3,300.00	\$900.00	\$2,700.00	\$900.00	\$2,700.00	\$930.00	\$2,790.00
31	259	8 inch 22 1/2 Degree Bend	1	EACH	275.00	\$275.00	\$225.00	\$225.00	\$200.00	\$200.00	\$235.00	\$235.00
32	259	8 inch 45 Degree Bend	21	EACH	275.00	\$5,775.00	\$225.00	\$4,725.00	\$200.00	\$4,200.00	\$235.00	\$4,935.00
33	259	6 inch Solid Sleeve	1	EACH	500.00	\$500.00	\$150.00	\$150.00	\$150.00	\$150.00	\$188.00	\$188.00
34	259	8 inch Solid Sleeve	2	EACH	800.00	\$1,600.00	\$250.00	\$500.00	\$200.00	\$400.00	\$235.00	\$470.00
35	259	6 inch x 6 inch Tee	1	EACH	300.00	\$300.00	\$250.00	\$250.00	\$240.00	\$240.00	\$275.00	\$275.00
36	259	8 inch x 6 inch Tee	7	EACH	350.00	\$2,450.00	\$350.00	\$2,450.00	\$300.00	\$2,100.00	\$332.00	\$2,324.00
37	259	8 inch x 8 inch Tee	1	EACH	400.00	\$400.00	\$400.00	\$400.00	\$340.00	\$340.00	\$380.00	\$380.00
38	256	8 inch x 6 inch Reducer	1	EACH	250.00	\$250.00	\$175.00	\$175.00	\$180.00	\$180.00	\$203.00	\$203.00
39	260	Fire Hydrants	9	EACH	3,000.00	\$27,000.00	\$2,300.00	\$20,700.00	\$3,000.00	\$27,000.00	\$2,650.00	\$23,850.00
40	263	Tying into Existing 6 inch Main	1	EACH	2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,100.00	\$2,100.00	\$400.00	\$400.00

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41	263	Tying Into Existing 8 inch Main	2	EACH	2,500.00	\$5,000.00	\$1,500.00	\$3,000.00	\$2,100.00	\$4,200.00	\$400.00	\$800.00
42	265	Water Main Valve Boxes Adjusted	8	EACH	100.00	\$800.00	\$50.00	\$400.00	\$100.00	\$800.00	\$25.00	\$200.00
43	301	Asphalt Concrete Base	3006	C.Y.	120.00	\$360,720.00	\$80.00	\$240,480.00	\$100.00	\$300,600.00	\$93.00	\$279,558.00
44	304	Aggregate Base (For MOT)	100	C.Y.	30.00	\$3,000.00	\$40.00	\$4,000.00	\$32.00	\$3,200.00	\$15.00	\$1,500.00
45	407	Tack Coat	1066	GAL.	2.00	\$2,132.00	\$2.00	\$2,132.00	\$2.00	\$2,132.00	\$2.00	\$2,132.00
46	446	Asphalt Concrete Surface Course, Type 1	335	C.Y.	145.00	\$48,575.00	\$155.00	\$51,925.00	\$160.00	\$53,600.00	\$165.00	\$55,275.00
47	455	Curb, 6"x18"	3723	L.F.	16.00	\$59,568.00	\$12.00	\$44,676.00	\$10.00	\$37,230.00	\$10.00	\$37,230.00
48	455	Curb, 18"x18"	1319	L.F.	20.00	\$26,380.00	\$20.00	\$26,380.00	\$18.00	\$23,742.00	\$22.00	\$29,018.00
49	455	Combination Curb & Gutter	1320	L.F.	22.00	\$29,040.00	\$15.00	\$19,800.00	\$14.00	\$18,480.00	\$12.00	\$15,840.00
50	456	Concrete Walk, 4 inches Thick	8182	S.F.	4.25	\$34,773.50	\$4.10	\$33,546.20	\$2.75	\$22,500.50	\$3.75	\$30,682.50
51	456	Concrete Walk, 6 inches Thick	182	S.F.	5.50	\$1,001.00	\$5.00	\$910.00	\$5.50	\$1,001.00	\$4.25	\$773.50
52	456	Curb Ramps	3	EACH	500.00	\$1,500.00	\$300.00	\$900.00	\$210.00	\$630.00	\$200.00	\$600.00
53	456	Concrete Aprons, 6 inches Thick	10754	S.F.	4.50	\$48,393.00	\$4.55	\$48,930.70	\$3.50	\$37,639.00	\$4.25	\$45,704.50
		Pervious Concrete, 6" Thick, Portland Cement Type 1, Per										
54	SPEC	ASTM 150 C	1417	S.Y.	80.00	\$113,360.00	\$55.00	\$77,935.00	\$38.00	\$53,846.00	\$74.00	\$104,858.00
		Pervious Concrete Leveling Course, 3" Thick, No. 57										
55	SPEC	Limestone	119	C.Y.	40.00	\$4,760.00	\$35.00	\$4,165.00	\$70.00	\$8,330.00	\$30.00	\$3,570.00
56	552	6 inch Storm Sewer, HDPE, Class "NR" Bedding	9	L.F.	40.00	\$360.00	\$50.00	\$450.00	\$25.00	\$225.00	\$25.00	\$225.00
57	552	12 inch Storm Sewer, RCP, Class "B" Bedding	246	L.F.	55.00	\$13,530.00	\$40.00	\$9,840.00	\$58.00	\$14,268.00	\$36.00	\$8,856.00
58	552	12 inch Storm Sewer, HDPE, Class "NR" Bedding	10	L.F.	45.00	\$450.00	\$40.00	\$400.00	\$85.00	\$850.00	\$35.00	\$350.00
59	552	15 inch Storm Sewer, RCP, Class "B" Bedding	45	L.F.	65.00	\$2,925.00	\$55.00	\$2,475.00	\$65.00	\$2,925.00	\$47.00	\$2,115.00
60	552	18 inch Storm Sewer, RCP, Class "B" Bedding	222	L.F.	70.00	\$15,540.00	\$47.00	\$10,434.00	\$58.00	\$12,876.00	\$45.00	\$9,990.00
61	552	21 inch Storm Sewer, RCP, Class "B" Bedding	137	L.F.	75.00	\$10,275.00	\$42.00	\$5,754.00	\$50.00	\$6,850.00	\$63.00	\$8,631.00
62	552	24 inch Storm Sewer, RCP, Class "B" Bedding	1094	L.F.	80.00	\$87,520.00	\$55.00	\$60,170.00	\$52.00	\$56,888.00	\$59.00	\$64,546.00
63	552	36 inch Storm Sewer, RCP, Class "B" Bedding	89	L.F.	120.00	\$10,680.00	\$60.00	\$5,340.00	\$70.00	\$6,230.00	\$137.00	\$12,193.00
64	264	Steel Casing, 38 inch Bored	51	L.F.	400.00	\$20,400.00	\$550.00	\$28,050.00	\$525.00	\$26,775.00	\$500.00	\$25,500.00
65	264	Steel Casing, 50 inch Bored	57	L.F.	500.00	\$28,500.00	\$600.00	\$34,200.00	\$740.00	\$42,180.00	\$650.00	\$37,050.00
66	556	House Drain Pipe, Complete	28	EACH	750.00	\$21,000.00	\$1.00	\$28.00	\$45.00	\$1,260.00	\$60.00	\$1,680.00
67	562	Manhole MH-2A on 18" Storm Sewer	1	EACH	2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00
68	562	Manhole MH-2A Slab Top on 18" Storm Sewer	2	EACH	2,700.00	\$5,400.00	\$1,800.00	\$3,600.00	\$2,100.00	\$4,200.00	\$1,550.00	\$3,100.00
69	562	Manhole MH-2B on 21" Storm Sewer	2	EACH	2,750.00	\$5,500.00	\$2,000.00	\$4,000.00	\$2,400.00	\$4,800.00	\$1,700.00	\$3,400.00
70	562	Manhole MH-2B on 24" Storm Sewer	4	EACH	3,000.00	\$12,000.00	\$2,500.00	\$10,000.00	\$2,700.00	\$10,800.00	\$1,950.00	\$7,800.00
71	562	Manhole MH-2C Slab Top on 24" Storm Sewer	2	EACH	3,150.00	\$6,300.00	\$2,900.00	\$5,800.00	\$2,800.00	\$5,600.00	\$2,050.00	\$4,100.00
72	562	Manhole MH-2C on 36" Storm Sewer	1	EACH	3,300.00	\$3,300.00	\$3,000.00	\$3,000.00	\$3,500.00	\$3,500.00	\$3,200.00	\$3,200.00
73	562	Manhole Adjusted	12	EACH	350.00	\$4,200.00	\$250.00	\$3,000.00	\$300.00	\$3,600.00	\$200.00	\$2,400.00
74	563	No. I-5 Inlet	4	EACH	2,000.00	\$8,000.00	\$1,100.00	\$4,400.00	\$1,400.00	\$5,600.00	\$1,000.00	\$4,000.00
75	563	Double No. I-5 Inlet	2	EACH	2,000.00	\$4,000.00	\$1,700.00	\$3,400.00	\$2,000.00	\$4,000.00	\$1,500.00	\$3,000.00
76	563	Double No. I-5 Inlet Modified	2	EACH	2,000.00	\$4,000.00	\$1,700.00	\$3,400.00	\$1,800.00	\$3,600.00	\$1,500.00	\$3,000.00
77	563	Inlet Adjusted	1	EACH	500.00	\$500.00	\$200.00	\$200.00	\$650.00	\$650.00	\$350.00	\$350.00
78	SPEC	ODOT CB 2-3	3	EACH	1,200.00	\$3,600.00	\$700.00	\$2,100.00	\$1,200.00	\$3,600.00	\$800.00	\$2,400.00
79	SPEC	ODOT CB 2-4	1	EACH	1,350.00	\$1,350.00	\$900.00	\$900.00	\$1,800.00	\$1,800.00	\$1,350.00	\$1,350.00

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80	SPEC	ODOT CB 2-2B	4	EACH	1,200.00	\$4,800.00	\$1,000.00	\$4,000.00	\$700.00	\$2,800.00	\$700.00	\$2,800.00
81	SPEC	Dry Well	2	EACH	5,500.00	\$11,000.00	\$1,400.00	\$2,800.00	\$4,000.00	\$8,000.00	\$4,316.00	\$8,632.00
82	563	Yard Drain	1	EACH	500.00	\$500.00	\$500.00	\$500.00	\$900.00	\$900.00	\$783.00	\$783.00
83	564	6 inch Pipe Underdrains	2696	L.F.	6.00	\$16,176.00	\$3.50	\$9,436.00	\$5.75	\$15,502.00	\$6.00	\$16,176.00
84	SPEC	Underdrain Infiltration Trench #57	18	C.Y.	80.00	\$1,440.00	\$36.00	\$648.00	\$42.00	\$756.00	\$136.00	\$2,448.00
85	601	Rock Channel Protection, Type B	10	C.Y.	60.00	\$600.00	\$60.00	\$600.00	\$100.00	\$1,000.00	\$35.00	\$350.00
86	601	Rock Channel Protection, Type C	27	C.Y.	60.00	\$1,620.00	\$60.00	\$1,620.00	\$100.00	\$2,700.00	\$35.00	\$945.00
87	602	Concrete Masonry (Headwall)	2	EACH	2,400.00	\$4,800.00	\$850.00	\$1,700.00	\$1,600.00	\$3,200.00	\$1,600.00	\$3,200.00
88	SPEC	Concrete Pavers (Driveable Grass)	1088	SF	90.00	\$97,920.00	\$15.00	\$16,320.00	\$10.00	\$10,880.00	\$15.00	\$16,320.00
89	SPEC	Bollards (Demountable)	16	EACH	500.00	\$8,000.00	\$800.00	\$12,800.00	\$870.00	\$13,920.00	\$800.00	\$12,800.00
90	613	Uniformed Law Enforcement Officer With Patrol Car American Recovery and Reinvestment Act (ARRA) Sign,	60	HR.	50.00	\$3,000.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00
91	614	Conventional Road	2	EACH	2,500.00	\$5,000.00	\$800.00	\$1,600.00	\$800.00	\$1,600.00	\$1,025.00	\$2,050.00
92	614	Detour Signing	1	LUMP	5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,500.00	\$5,500.00	\$6,800.00	\$6,800.00
93	614	Maintaining Traffic	1	LUMP	15,000.00	\$15,000.00	\$2,500.00	\$2,500.00	\$55,000.00	\$55,000.00	\$98,000.00	\$98,000.00
94	616	Water	10	M. GAL.	40.00	\$400.00	\$1.00	\$10.00	\$1.00	\$10.00	\$1.00	\$10.00
95	616	Calcium Chloride	5	TON	125.00	\$625.00	\$1.00	\$5.00	\$10.00	\$50.00	\$1.00	\$5.00
96	619	Field Office	1	L.S.	12,000.00	\$12,000.00	\$2,500.00	\$2,500.00	\$13,500.00	\$13,500.00	\$2,400.00	\$2,400.00
97	621	Edge Line	0.01	MI	3,500.00	\$35.00	\$5,000.00	\$50.00	\$5,000.00	\$50.00	\$4,500.00	\$45.00
98	621	Center Line	0.47	MI	3,300.00	\$1,551.00	\$1,800.00	\$846.00	\$2,000.00	\$940.00	\$2,100.00	\$987.00
99	621	Channelizing Lines	324	FT	1.50	\$486.00	\$0.50	\$162.00	\$0.50	\$162.00	\$0.80	\$259.20
100	621	Stop Lines	130	FT	6.00	\$780.00	\$3.00	\$390.00	\$3.00	\$390.00	\$3.00	\$390.00
101	621	Crosswalk Lines	104	FT	3.00	\$312.00	\$2.00	\$208.00	\$2.25	\$234.00	\$1.75	\$182.00
102	621	Broad Transverse Lines	101	FT	5.00	\$505.00	\$2.50	\$252.50	\$2.65	\$267.65	\$2.70	\$272.70
103	621	Lane Arrows	6	EACH	110.00	\$660.00	\$35.00	\$210.00	\$37.50	\$225.00	\$65.00	\$390.00
104	621	Railroad Marking Symbol	1	EACH	525.00	\$525.00	\$150.00	\$150.00	\$165.00	\$165.00	\$350.00	\$350.00
105	622	Monument Box, Adjusted	2	EACH	200.00	\$400.00	\$150.00	\$300.00	\$170.00	\$340.00	\$100.00	\$200.00
106	622	Monument Box	3	EACH	600.00	\$1,800.00	\$400.00	\$1,200.00	\$325.00	\$975.00	\$350.00	\$1,050.00
107	623	Construction Layout Stakes	1	L.S.	15,000.00	\$15,000.00	\$12,000.00	\$12,000.00	\$10,000.00	\$10,000.00	\$38,700.00	\$38,700.00
108	624	Mobilization	1	L.S.	54,000.00	\$54,000.00	\$25,000.00	\$25,000.00	\$50,000.00	\$50,000.00	\$63,000.00	\$63,000.00
109	625	Ground Rod	4	EACH	125.00	\$500.00	\$150.00	\$600.00	\$115.40	\$461.60	\$115.40	\$461.60
110	625	Conduit, 3"	489	L.F.	11.00	\$5,379.00	\$4.00	\$1,956.00	\$3.95	\$1,931.55	\$3.95	\$1,931.55
111	625	Conduit, Jacked Under Pavement	146	L.F.	28.00	\$4,088.00	\$35.00	\$5,110.00	\$26.25	\$3,832.50	\$26.25	\$3,832.50
112	625	Trench (For Signal Conduits)	112	L.F.	7.00	\$784.00	\$6.00	\$672.00	\$4.46	\$499.52	\$4.46	\$499.52
113	625	Trench In Paved Area, Type B	177	L.F.	30.00	\$5,310.00	\$10.00	\$1,770.00	\$26.91	\$4,763.07	\$26.91	\$4,763.07
114	625	Trench For Fiber Optic Cable, As Per Plan	235	L.F.	25.00	\$5,875.00	\$7.00	\$1,645.00	\$4.93	\$1,158.55	\$4.93	\$1,158.55
115	625	Light pole, 30' Aluminum	10	EACH	2,200.00	\$22,000.00	\$1,350.00	\$13,500.00	\$1,481.51	\$14,815.10	\$1,481.51	\$14,815.10
116	625	Light pole foundation, 24" dia. X 8'-0" deep	10	EACH	800.00	\$8,000.00	\$600.00	\$6,000.00	\$657.60	\$6,576.00	\$657.60	\$6,576.00
117	625	Light pole bracket arm mounted on signal pole - Special	2	EACH	1,500.00	\$3,000.00	\$250.00	\$500.00	\$585.00	\$1,170.00	\$585.00	\$1,170.00
118	625	Luminaire, LED	12	EACH	2,200.00	\$26,400.00	\$2,000.00	\$24,000.00	\$1,615.00	\$19,380.00	\$1,615.00	\$19,380.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction		2. Karvo Paving Company		3. Liberta Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
119	625	Ground Rod	12	EACH	150.00	\$1,800.00	\$120.00	\$1,440.00	\$115.40	\$1,384.80	\$115.40	\$1,384.80
120	625	Pull box, 18" Polymer Concrete	6	EACH	720.00	\$4,320.00	\$450.00	\$2,700.00	\$486.29	\$2,917.74	\$486.29	\$2,917.74
121	625	Trench ( <i>For Lighting Conduits</i> )	1920	LF	8.00	\$15,360.00	\$4.00	\$7,680.00	\$4.45	\$8,544.00	\$3.00	\$5,760.00
122	625	Conduit, 2" Schedule 80	1920	LF	10.05	\$19,296.00	\$2.00	\$3,840.00	\$2.29	\$4,396.80	\$2.29	\$4,396.80
123	625	No. 4 AWG, 600V primary feeder cable	240	LF	2.00	\$480.00	\$2.00	\$480.00	\$1.57	\$376.80	\$1.57	\$376.80
124	625	No. 4 AWG, 600V secondary feeder cable	20	LF	2.00	\$40.00	\$1.50	\$30.00	\$1.57	\$31.40	\$1.57	\$31.40
125	625	No. 4 AWG, 600V distribution cable	1920	LF	2.00	\$3,840.00	\$1.50	\$2,880.00	\$1.57	\$3,014.40	\$1.57	\$3,014.40
126	625	No. 6 AWG, 600V distribution cable	1920	LF	1.50	\$2,880.00	\$1.00	\$1,920.00	\$1.20	\$2,304.00	\$1.20	\$2,304.00
127	625	No. 10 AWG, pole and bracket cable	1440	LF	1.00	\$1,440.00	\$1.00	\$1,440.00	\$0.99	\$1,425.60	\$0.99	\$1,425.60
128	625	Connector kit, Type II	12	EACH	70.00	\$840.00	\$50.00	\$600.00	\$60.29	\$723.48	\$60.29	\$723.48
129	625	Cable splicing kit	6	EACH	70.00	\$420.00	\$60.00	\$360.00	\$68.91	\$413.46	\$68.91	\$413.46
130	625	Control center/Power Service	1	EACH	3,100.00	\$3,100.00	\$4,000.00	\$4,000.00	\$7,386.60	\$7,386.60	\$7,386.60	\$7,386.60
131	626	Geotextile Fabric, Type D (lower layer)	10836	S.Y.	5.50	\$59,598.00	\$1.00	\$10,836.00	\$0.75	\$8,127.00	\$0.52	\$5,634.72
132	626	Geotextile Fabric, Type D (upper layer)	8800	S.Y.	5.50	\$48,400.00	\$1.00	\$8,800.00	\$1.00	\$8,800.00	\$0.52	\$4,576.00
133	629	Street Name Sign	6	EACH	100.00	\$600.00	\$90.00	\$540.00	\$100.00	\$600.00	\$95.00	\$570.00
134	629	Street Name Sign Pole	3	EACH	12.00	\$36.00	\$250.00	\$750.00	\$160.00	\$480.00	\$300.00	\$900.00
135	629	Street Name Sign Assembly	6	EACH	100.00	\$600.00	\$25.00	\$150.00	\$165.00	\$990.00	\$25.00	\$150.00
136	630	Ground Mounted Supports, #3 Post	379.4	L.F.	7.00	\$2,655.80	\$5.00	\$1,897.00	\$6.00	\$2,276.40	\$5.50	\$2,086.70
137	630	Sign Hanger Assembly (Mast Arm)	4	EACH	175.00	\$700.00	\$250.00	\$1,000.00	\$300.00	\$1,200.00	\$285.00	\$1,140.00
138	630	Signs ("Flat Sheet", "Extrusheet", Or "Overlay") Signs ("Flat Sheet", "Extrusheet", Or "Overlay"), As Per Plan	162.8	S.F.	12.00	\$1,953.60	\$10.00	\$1,628.00	\$13.50	\$2,197.80	\$9.00	\$1,465.20
139	630	Plan	4	S.F.	20.00	\$80.00	\$85.00	\$340.00	\$25.00	\$100.00	\$100.00	\$400.00
140	630	Removal Of Ground Mounted Post Support	21	EACH	10.00	\$210.00	\$20.00	\$420.00	\$10.00	\$210.00	\$25.00	\$525.00
141	630	Traffic Sign Removed	26	EACH	15.00	\$390.00	\$20.00	\$520.00	\$10.00	\$260.00	\$25.00	\$650.00
142	630	Traffic Sign Removed, Stored And Rerected	4	EACH	40.00	\$160.00	\$50.00	\$200.00	\$75.00	\$300.00	\$75.00	\$300.00
143	630	LED Internally Illuminated Sign, As Per Plan	1	EACH	2500.00	\$2,500.00	\$2,200.00	\$2,200.00	\$2,651.76	\$2,651.76	\$2,651.76	\$2,651.76
144	632	Vehicular Signal Head, 3-Section, 12 Inch Lens, 1-Way, Polycarbonate, As Per Plan	8	EACH	500.00	\$4,000.00	\$700.00	\$5,600.00	\$747.20	\$5,977.60	\$747.20	\$5,977.60
145	632	Vehicular Signal Head, 5-Section, 12 Inch Lens, 1-Way, Polycarbonate, As Per Plan	4	EACH	700.00	\$2,800.00	\$1,000.00	\$4,000.00	\$1,103.95	\$4,415.80	\$1,103.95	\$4,415.80
146	632	Pull Box, 24" X 36" X 24" Reinforced Polymer Concrete	5	EACH	1,400.00	\$7,000.00	\$700.00	\$3,500.00	\$716.04	\$3,580.20	\$716.04	\$3,580.20
147	632	Signal Support Foundation	3	EACH	2,200.00	\$6,600.00	\$2,000.00	\$6,000.00	\$2,059.00	\$6,177.00	\$2,059.00	\$6,177.00
148	632	Power Cable, 3 Conductor, No. 14 AWG	99	L.F.	2.50	\$247.50	\$1.20	\$118.80	\$1.31	\$129.69	\$1.31	\$129.69
149	632	Signal Support, Type TC-81.21 Design 2	1	EACH	3,400.00	\$3,400.00	\$4,000.00	\$4,000.00	\$4,820.00	\$4,820.00	\$4,820.00	\$4,820.00
150	632	Combination Signal Support, Type TC-81.21 Design 2	1	EACH	3,500.00	\$3,500.00	\$4,800.00	\$4,800.00	\$5,328.00	\$5,328.00	\$5,328.00	\$5,328.00
151	632	Combination Signal Support, Type TC-12.30, Design 5 Pole, with Mast Arms TC-81.21 Design 4 and Design 11	1	EACH	7,500.00	\$7,500.00	\$8,900.00	\$8,900.00	\$10,545.00	\$10,545.00	\$10,545.00	\$10,545.00
152	632	Signal Cable, 5 Conductor No. 14 Awg	422	L.F.	1.50	\$633.00	\$1.25	\$527.50	\$1.44	\$607.68	\$1.44	\$607.68
153	632	Signal Cable, 7 Conductor No. 14 Awg	971	L.F.	1.75	\$1,699.25	\$1.50	\$1,456.50	\$1.61	\$1,563.31	\$1.61	\$1,563.31
154	632	Power Service, As Per Plan	1	EACH	1,310.00	\$1,310.00	\$1,400.00	\$1,400.00	\$1,798.80	\$1,798.80	\$1,798.80	\$1,798.80

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction		2. Karvo Paving Company		3. Liberta Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
155	632	Interconnect Cable Misc.: Drop Cable, 6 Fiber	429	L.F.	2.00	\$858.00	\$1.00	\$429.00	\$0.72	\$308.88	\$0.72	\$308.88
156	632	Interconnect Misc.: Fan-Out Kit, 6 Fiber	1	EACH	80.00	\$80.00	\$50.00	\$50.00	\$44.34	\$44.34	\$44.34	\$44.34
157	632	Interconnect Misc.: Fiber Optic Patch Cord	1	EACH	45.00	\$45.00	\$75.00	\$75.00	\$86.10	\$86.10	\$86.10	\$86.10
158	632	Interconnect Misc.: Fusion Splice	4	EACH	150.00	\$600.00	\$20.00	\$80.00	\$15.75	\$63.00	\$15.75	\$63.00
159	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525.00	\$525.00	\$500.00	\$500.00	\$607.95	\$607.95	\$607.95	\$607.95
160	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$150.00	\$150.00	\$169.05	\$169.05	\$169.05	\$169.05
161	632	Interconnect Misc.: Mechanical Splice	4	EACH	125.00	\$500.00	\$40.00	\$160.00	\$42.00	\$168.00	\$42.00	\$168.00
162	632	Interconnect Misc.: Fiber Optic Connector	1	EACH	500.00	\$500.00	\$20.00	\$20.00	\$26.25	\$26.25	\$26.25	\$26.25
163	632	Interconnect Misc.: Pole Entrance Fitting	1	EACH	50.00	\$50.00	\$350.00	\$350.00	\$480.00	\$480.00	\$480.00	\$480.00
164	632	Interconnect Misc.: Fiber Optic Cable Testing	1	LUMP	2,500.00	\$2,500.00	\$500.00	\$500.00	\$525.00	\$525.00	\$525.00	\$525.00
165	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$19,000.00	\$19,000.00	\$21,280.00	\$21,280.00	\$21,280.00	\$21,280.00
166	633	Controller, Misc.: Signal Controller With Cabinet, As Per Plan	1	EACH	9,500.00	\$9,500.00	\$14,000.00	\$14,000.00	\$16,150.00	\$16,150.00	\$16,150.00	\$16,150.00
167	633	Cabinet Foundation	1	EACH	850.00	\$850.00	\$1,200.00	\$1,200.00	\$1,338.00	\$1,338.00	\$1,338.00	\$1,338.00
168	633	Controller Work Pad	1	EACH	150.00	\$150.00	\$250.00	\$250.00	\$285.00	\$285.00	\$285.00	\$285.00
169	633	Preemption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$8,400.00	\$8,400.00	\$9,100.00	\$9,100.00	\$9,100.00	\$9,100.00
170	633	Controller, Misc.: Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	250.00	\$250.00	\$3,500.00	\$3,500.00	\$3,710.00	\$3,710.00	\$3,710.00	\$3,710.00
171	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	1	EACH	4,000.00	\$4,000.00	\$2,900.00	\$2,900.00	\$3,145.00	\$3,145.00	\$3,145.00	\$3,145.00
172	653	Topsoil Furnished & Placed, 4" Thick	6685	S.Y.	3.25	\$21,726.25	\$2.75	\$18,383.75	\$2.71	\$18,116.35	\$1.10	\$7,353.50
173	653	Topsoil Furnished & Placed, 6" Thick for Infiltration Trench	393	S.Y.	4.00	\$1,572.00	\$3.75	\$1,473.75	\$4.00	\$1,572.00	\$4.00	\$1,572.00
174	659	Lawn Seeding and Mulching	7078	S.Y.	1.30	\$9,201.40	\$0.85	\$6,016.30	\$0.85	\$6,016.30	\$0.85	\$6,016.30
175	659	Embankment Mulching	3955	S.Y.	0.90	\$3,559.50	\$4.00	\$15,820.00	\$3.37	\$13,328.35	\$3.37	\$13,328.35
176	659	Fragrant Sumac, Rhus aromatic, 18" #3 Container	1722	EACH	34.38	\$59,202.36	\$20.00	\$34,440.00	\$19.50	\$33,579.00	\$19.50	\$33,579.00
177	659	Winter Honeysuckle, Lonicera fragrantissima, 18" #5 Container	570	EACH	37.25	\$21,232.50	\$20.00	\$11,400.00	\$27.00	\$15,390.00	\$27.00	\$15,390.00
178	659	Columnar Golden Rain Tree, Koelreuteria paniculata 'Fastigiata', 2.5" B&B	109	EACH	350.00	\$38,150.00	\$235.00	\$25,615.00	\$297.00	\$32,373.00	\$297.00	\$32,373.00
179	659	Columnar Siberian Crabapple, Malus baccata 'Columnaris', 2.5" B&B	88	EACH	350.00	\$30,800.00	\$200.00	\$17,600.00	\$182.00	\$16,016.00	\$182.00	\$16,016.00
180	659	Conquest Norway Maple, Acer platanoides 'Conzam' 2.5" B&B	88	EACH	350.00	\$30,800.00	\$200.00	\$17,600.00	\$178.00	\$15,664.00	\$178.00	\$15,664.00
181	659	Valley Forge American Elm	21	EACH	350.00	\$7,350.00	\$225.00	\$4,725.00	\$184.00	\$3,864.00	\$184.00	\$3,864.00
182	659	Thornless Cockspur Hawthorn	10	EACH	350.00	\$3,500.00	\$200.00	\$2,000.00	\$174.00	\$1,740.00	\$174.00	\$1,740.00
183	632	12" Green Led, Lights	10	EACH	175.00	\$1,750.00	\$70.00	\$700.00	\$73.50	\$735.00	\$73.50	\$735.00
184	632	12" Yellow Led, Lights	10	EACH	175.00	\$1,750.00	\$70.00	\$700.00	\$73.50	\$735.00	\$73.50	\$735.00

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. Kenmore Construction PRICE	1. Kenmore Construction AMOUNT	2. Karvo Paving Company PRICE	2. Karvo Paving Company AMOUNT	3. Liberta Construction PRICE	3. Liberta Construction AMOUNT
185	632	Vehicular Signal Head, 3-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	4	EACH	550.00	\$2,200.00	\$450.00	\$1,800.00	\$456.75	\$1,827.00	\$456.75	\$1,827.00
186	632	Vehicular Signal Head, 5-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	2	EACH	750.00	\$1,500.00	\$700.00	\$1,400.00	\$745.50	\$1,491.00	\$745.50	\$1,491.00
187	632	Pedestrian Signal Head, Led Type D2	10	EACH	400.00	\$4,000.00	\$250.00	\$2,500.00	\$294.00	\$2,940.00	\$294.00	\$2,940.00
188	633	Controller, Misc.: Battery Backup System Spare Batteries for Model Rpu-105 AHR/AGM	4	EACH	2,500.00	\$10,000.00	\$250.00	\$1,000.00	\$262.50	\$1,050.00	\$262.50	\$1,050.00
<b><u>ALTERNATE #1</u></b>												
ALT#1	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per	1	EACH	4,000.00	\$4,000.00	\$7,000.00	\$7,000.00	\$6,085.00	\$6,085.00	\$6,085.00	\$6,085.00
<b><u>ALTERNATE #2</u></b>												
ALT#2	SPEC	Geogrid (Tensar BX-1200) - Alternate Bid	8800	S.Y.	5.50	\$48,400.00	\$5.50	\$48,400.00	\$6.00	\$52,800.00	\$4.60	\$40,480.00
<b><u>ALTERNATE #3</u></b>												
ALT#3	SPEC	Geogrid (Tensar BX-1300) - Alternate Bid	10836	S.Y.	5.50	\$59,598.00	\$5.25	\$56,889.00	\$5.75	\$62,307.00	\$4.20	\$45,511.20
<b><u>ALTERNATE #4</u></b>												
ALT#4	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$23,000.00	\$23,000.00	\$20,725.00	\$20,725.00	\$20,725.00	\$20,725.00
<b><u>ALTERNATE #5</u></b>												
ALT#5	633	Premption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$2,883.00	\$2,883.00	\$2,883.00	\$2,883.00
<b><u>ALTERNATE #6</u></b>												
ALT#5	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525	\$525.00	\$300.00	\$300.00	\$169.05	\$169.05	\$169.05	\$169.05
<b><u>ALTERNATE #7</u></b>												
ALT#7	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$300.00	\$300.00	\$162.75	\$162.75	\$162.75	\$162.75
<b>TOTAL CONSTRUCTION COSTS</b>						\$2,965,165.66	\$1,835,940.00	\$1,835,940.00	\$1,923,454.28	\$1,923,454.28	\$2,009,526.71	\$2,009,526.71
<b>+/- ENGINEER'S ESTIMATE</b>									-38.1%	-35.1%		-32.2%
<b><u>ALTERNATE #1</u></b>												

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. Kenmore Construction PRICE	1. Kenmore Construction AMOUNT	2. Karvo Paving Company PRICE	2. Karvo Paving Company AMOUNT	3. Liberta Construction PRICE	3. Liberta Construction AMOUNT
TOTAL CONSTRUCTION COSTS						\$4,000.00		\$7,000.00		\$6,085.00		\$6,085.00
+/- ENGINEER'S ESTIMATE								+75.0%		+52.1%		+52.1%
<b>ALTERNATE #2</b>												
TOTAL CONSTRUCTION COSTS						\$48,400.00		\$48,400.00		\$52,800.00		\$40,480.00
+/- ENGINEER'S ESTIMATE								+0.0%		+9.1%		-16.4%
<b>ALTERNATE #3</b>												
TOTAL CONSTRUCTION COSTS						\$59,598.00		\$56,889.00		\$62,307.00		\$45,511.20
+/- ENGINEER'S ESTIMATE								-4.5%		+4.5%		-23.6%
<b>ALTERNATE #4</b>												
TOTAL CONSTRUCTION COSTS						\$15,000.00		\$23,000.00		\$20,725.00		\$20,725.00
+/- ENGINEER'S ESTIMATE								+53.3%		+38.2%		+38.2%
<b>ALTERNATE #5</b>												
TOTAL CONSTRUCTION COSTS						\$5,000.00		\$4,000.00		\$2,883.00		\$2,883.00
+/- ENGINEER'S ESTIMATE								-20.0%		-42.3%		-42.3%
<b>ALTERNATE #6</b>												
TOTAL CONSTRUCTION COSTS						\$525.00		\$300.00		\$169.05		\$169.05
+/- ENGINEER'S ESTIMATE								-42.9%		-67.8%		-67.8%
<b>ALTERNATE #7</b>												
TOTAL CONSTRUCTION COSTS						\$1,000.00		\$300.00		\$162.75		\$162.75
+/- ENGINEER'S ESTIMATE								-70.0%		-83.7%		-83.7%

\* Unofficial Construction Cost - incorrect in bid book

\*\* Ref #'s 14 and 176 changed neither initialed nor dated, Ref. #'s 64, 65, 66 and 124, extended amount incorrect in bid book, Unofficial Construction cost incorrect in bid book

\*\*\* Ref. #122 extended amount incorrect in bid book, Unofficial construction cost incorrect in bid book.  
Alt #3 extended amount incorrect in bid book

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*4. Fabrizi Trucking & Paving PRICE	*4. Fabrizi Trucking & Paving AMOUNT	**5. Mr. Excavator PRICE	**5. Mr. Excavator AMOUNT	***6. Lockhart Concrete Co. PRICE	***6. Lockhart Concrete Co. AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	30,000.00	\$30,000.00	\$31,500.00	\$31,500.00	\$20,000.00	\$20,000.00	\$75,000.00	\$75,000.00
2	201	Trees Removed, 18 inch	47	EACH	800.00	\$37,600.00	\$175.00	\$8,225.00	\$259.70	\$12,205.90	\$170.00	\$7,990.00
3	201	Trees Removed, 30 inch	1	EACH	1,200.00	\$1,200.00	\$850.00	\$850.00	\$265.00	\$265.00	\$785.00	\$785.00
4	201	Trees Removed, 48 inch	3	EACH	2,200.00	\$6,600.00	\$1,750.00	\$5,250.00	\$270.30	\$810.90	\$1,575.00	\$4,725.00
5	201	Stump Removed, 60 inch	1	EACH	900.00	\$900.00	\$150.00	\$150.00	\$26.50	\$26.50	\$120.00	\$120.00
6	202	Sidewalk Removed	5859	S.F.	2.00	\$11,718.00	\$0.70	\$4,101.30	\$0.19	\$1,113.21	\$0.10	\$585.90
7	202	Curb Removed	1089	L.F.	3.00	\$3,267.00	\$5.00	\$5,445.00	\$0.43	\$468.27	\$0.50	\$544.50
8	202	Curb and Gutter Removed	443	L.F.	8.00	\$3,544.00	\$6.50	\$2,879.50	\$1.44	\$637.92	\$0.50	\$221.50
9	202	Pipe Removed, 12 inch	229	L.F.	15.00	\$3,435.00	\$15.00	\$3,435.00	\$10.00	\$2,290.00	\$1.00	\$229.00
10	202	Pipe Removed, 24 inch	305	L.F.	20.00	\$6,100.00	\$5.00	\$1,525.00	\$10.00	\$3,050.00	\$2.00	\$610.00
11	202	Pipe Abandoned, 12 inch & Under	1974	L.F.	2.00	\$3,948.00	\$2.00	\$3,948.00	\$10.00	\$19,740.00	\$0.50	\$987.00
12	202	Headwall Removed	2	EACH	250.00	\$500.00	\$200.00	\$400.00	\$200.00	\$400.00	\$20.00	\$40.00
13	202	Valve Removed	5	EACH	125.00	\$625.00	\$50.00	\$250.00	\$250.00	\$1,250.00	\$50.00	\$250.00
14	202	Hydrant Removed	4	EACH	125.00	\$500.00	\$150.00	\$600.00	\$500.00	\$2,000.00	\$100.00	\$400.00
15	202	Pavement Removed, Wearing Course	761	S.Y.	8.00	\$6,088.00	\$7.00	\$5,327.00	\$10.60	\$8,066.60	\$6.00	\$4,566.00
16	202	Pavement Removed, Concrete (10" thick)	816	S.Y.	22.00	\$17,952.00	\$14.00	\$11,424.00	\$3.99	\$3,255.84	\$5.00	\$4,080.00
17	202	Catch Basin or Inlet Removed	10	EACH	250.00	\$2,500.00	\$200.00	\$2,000.00	\$250.00	\$2,500.00	\$25.00	\$250.00
18	203	Excavation Not Including Embankment Construction	2993	C.Y.	25.00	\$74,825.00	\$16.50	\$49,384.50	\$5.71	\$17,090.03	\$10.00	\$29,930.00
19	203	Embankment	3228	C.Y.	10.00	\$32,280.00	\$6.00	\$19,368.00	\$2.89	\$9,328.92	\$10.00	\$32,280.00
20	203	Subgrade Compaction	33132	S.Y.	2.50	\$82,830.00	\$1.00	\$33,132.00	\$0.75	\$24,849.00	\$1.00	\$33,132.00
21	203	Proof Rolling	19	HOUR	100.00	\$1,900.00	\$70.00	\$1,330.00	\$150.00	\$2,850.00	\$75.00	\$1,425.00
22	203	Aggregate Refill, Type 1	2934	C.Y.	65.00	\$190,710.00	\$44.00	\$129,096.00	\$42.28	\$124,049.52	\$34.00	\$99,756.00
23	203	Aggregate Refill, Type 2	4085	C.Y.	65.00	\$265,525.00	\$47.00	\$191,995.00	\$45.68	\$186,602.80	\$37.00	\$151,145.00
24	207	Filter Fabric Fence	5470	L.F.	1.00	\$5,470.00	\$1.50	\$8,205.00	\$1.96	\$10,721.20	\$1.50	\$8,205.00
25	207	Inlet Protection	15	EACH	50.00	\$750.00	\$50.00	\$750.00	\$125.00	\$1,875.00	\$30.00	\$450.00
26	SPEC	Permanent Slope Protection	3577	S.Y.	27.00	\$96,579.00	\$2.00	\$7,154.00	\$5.02	\$17,956.54	\$5.00	\$17,885.00
27	252	Trenches for Water Services in Earth	435	L.F.	15.00	\$6,525.00	\$20.00	\$8,700.00	\$32.34	\$14,067.90	\$10.00	\$4,350.00
28	254	8 inch Ductile Iron Pipe	1930	L.F.	85.00	\$164,050.00	\$63.75	\$123,037.50	\$71.13	\$137,280.90	\$61.00	\$117,730.00
29	258	6 inch Gate Valve	8	EACH	900.00	\$7,200.00	\$650.00	\$5,200.00	\$873.10	\$6,984.80	\$800.00	\$6,400.00
30	258	8 inch Gate Valve	3	EACH	1,100.00	\$3,300.00	\$1,000.00	\$3,000.00	\$1,226.61	\$3,679.83	\$1,100.00	\$3,300.00
31	259	8 inch 22 1/2 Degree Bend	1	EACH	275.00	\$275.00	\$250.00	\$250.00	\$248.70	\$248.70	\$300.00	\$300.00
32	259	8 inch 45 Degree Bend	21	EACH	275.00	\$5,775.00	\$250.00	\$5,250.00	\$231.31	\$4,857.51	\$250.00	\$5,250.00
33	259	6 inch Solid Sleeve	1	EACH	500.00	\$500.00	\$200.00	\$200.00	\$394.25	\$394.25	\$175.00	\$175.00
34	259	8 inch Solid Sleeve	2	EACH	800.00	\$1,600.00	\$250.00	\$500.00	\$461.67	\$923.34	\$200.00	\$400.00
35	259	6 inch x 6 inch Tee	1	EACH	300.00	\$300.00	\$300.00	\$300.00	\$278.82	\$278.82	\$260.00	\$260.00
36	259	8 inch x 6 inch Tee	7	EACH	350.00	\$2,450.00	\$350.00	\$2,450.00	\$319.50	\$2,236.50	\$325.00	\$2,275.00
37	259	8 inch x 8 inch Tee	1	EACH	400.00	\$400.00	\$400.00	\$400.00	\$386.83	\$386.83	\$360.00	\$360.00
38	256	8 inch x 6 inch Reducer	1	EACH	250.00	\$250.00	\$225.00	\$225.00	\$208.17	\$208.17	\$180.00	\$180.00
39	260	Fire Hydrants	9	EACH	3,000.00	\$27,000.00	\$2,650.00	\$23,850.00	\$3,752.03	\$33,768.27	\$3,000.00	\$27,000.00
40	263	Tying into Existing 6 inch Main	1	EACH	2,000.00	\$2,000.00	\$250.00	\$250.00	\$1,088.64	\$1,088.64	\$500.00	\$500.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*4. Fabrizi Trucking & Paving		**5. Mr. Excavator		***6. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
41	263	Tying Into Existing 8 inch Main	2	EACH	2,500.00	\$5,000.00	\$300.00	\$600.00	\$1,088.64	\$2,177.28	\$500.00	\$1,000.00
42	265	Water Main Valve Boxes Adjusted	8	EACH	100.00	\$800.00	\$100.00	\$800.00	\$309.00	\$2,472.00	\$35.00	\$280.00
43	301	Asphalt Concrete Base	3006	C.Y.	120.00	\$360,720.00	\$100.00	\$300,600.00	\$116.07	\$348,906.42	\$109.00	\$327,654.00
44	304	Aggregate Base (For MOT)	100	C.Y.	30.00	\$3,000.00	\$39.00	\$3,900.00	\$43.82	\$4,382.00	\$24.00	\$2,400.00
45	407	Tack Coat	1066	GAL.	2.00	\$2,132.00	\$3.00	\$3,198.00	\$2.12	\$2,259.92	\$2.00	\$2,132.00
46	446	Asphalt Concrete Surface Course, Type 1	335	C.Y.	145.00	\$48,575.00	\$180.00	\$60,300.00	\$138.22	\$46,303.70	\$130.00	\$43,550.00
47	455	Curb, 6"x18"	3723	L.F.	16.00	\$59,568.00	\$12.00	\$44,676.00	\$8.48	\$31,571.04	\$31.00	\$115,413.00
48	455	Curb, 18"x18"	1319	L.F.	20.00	\$26,380.00	\$35.00	\$46,165.00	\$21.20	\$27,962.80	\$41.00	\$54,079.00
49	455	Combination Curb & Gutter	1320	L.F.	22.00	\$29,040.00	\$16.00	\$21,120.00	\$10.60	\$13,992.00	\$37.00	\$48,840.00
50	456	Concrete Walk, 4 inches Thick	8182	S.F.	4.25	\$34,773.50	\$3.90	\$31,909.80	\$3.02	\$24,709.64	\$4.80	\$39,273.60
51	456	Concrete Walk, 6 inches Thick	182	S.F.	5.50	\$1,001.00	\$4.35	\$791.70	\$3.55	\$646.10	\$6.10	\$1,110.20
52	456	Curb Ramps	3	EACH	500.00	\$1,500.00	\$425.00	\$1,275.00	\$450.50	\$1,351.50	\$250.00	\$750.00
53	456	Concrete Aprons, 6 inches Thick Pervious Concrete, 6" Thick, Portland Cement Type 1, Per	10754	S.F.	4.50	\$48,393.00	\$4.75	\$51,081.50	\$4.08	\$43,876.32	\$6.10	\$65,599.40
54	SPEC	ASTM 150 C Pervious Concrete Leveling Course, 3" Thick, No. 57	1417	S.Y.	80.00	\$113,360.00	\$68.00	\$96,356.00	\$90.10	\$127,671.70	\$58.00	\$82,186.00
55	SPEC	Limestone	119	C.Y.	40.00	\$4,760.00	\$58.00	\$6,902.00	\$44.81	\$5,332.39	\$30.00	\$3,570.00
56	552	6 inch Storm Sewer, HDPE, Class "NR" Bedding	9	L.F.	40.00	\$360.00	\$25.00	\$225.00	\$49.99	\$449.91	\$25.00	\$225.00
57	552	12 inch Storm Sewer, RCP, Class "B" Bedding	246	L.F.	55.00	\$13,530.00	\$49.00	\$12,054.00	\$61.60	\$15,153.60	\$61.00	\$15,006.00
58	552	12 inch Storm Sewer, HDPE, Class "NR" Bedding	10	L.F.	45.00	\$450.00	\$40.00	\$400.00	\$56.07	\$560.70	\$63.00	\$630.00
59	552	15 inch Storm Sewer, RCP, Class "B" Bedding	45	L.F.	65.00	\$2,925.00	\$44.00	\$1,980.00	\$63.41	\$2,853.45	\$65.00	\$2,925.00
60	552	18 inch Storm Sewer, RCP, Class "B" Bedding	222	L.F.	70.00	\$15,540.00	\$41.00	\$9,102.00	\$65.05	\$14,441.10	\$73.00	\$16,206.00
61	552	21 inch Storm Sewer, RCP, Class "B" Bedding	137	L.F.	75.00	\$10,275.00	\$43.00	\$5,891.00	\$66.98	\$9,176.26	\$79.00	\$10,823.00
62	552	24 inch Storm Sewer, RCP, Class "B" Bedding	1094	L.F.	80.00	\$87,520.00	\$64.00	\$70,016.00	\$70.78	\$77,433.32	\$85.00	\$92,990.00
63	552	36 inch Storm Sewer, RCP, Class "B" Bedding	89	L.F.	120.00	\$10,680.00	\$101.00	\$8,989.00	\$102.92	\$9,159.88	\$104.00	\$9,256.00
64	264	Steel Casing, 38 inch Bored	51	L.F.	400.00	\$20,400.00	\$635.00	\$32,385.00	\$608.81	\$31,049.31	\$350.00	\$17,850.00
65	264	Steel Casing, 50 inch Bored	57	L.F.	500.00	\$28,500.00	\$925.00	\$52,725.00	\$766.99	\$43,718.43	\$600.00	\$34,200.00
66	556	House Drain Pipe, Complete	28	EACH	750.00	\$21,000.00	\$175.00	\$4,900.00	\$1,744.89	\$48,856.92	\$10.00	\$280.00
67	562	Manhole MH-2A on 18" Storm Sewer	1	EACH	2,500.00	\$2,500.00	\$2,000.00	\$2,000.00	\$3,419.97	\$3,419.97	\$2,000.00	\$2,000.00
68	562	Manhole MH-2A Slab Top on 18" Storm Sewer	2	EACH	2,700.00	\$5,400.00	\$2,100.00	\$4,200.00	\$3,467.67	\$6,935.34	\$2,000.00	\$4,000.00
69	562	Manhole MH-2B on 21" Storm Sewer	2	EACH	2,750.00	\$5,500.00	\$2,300.00	\$4,600.00	\$3,751.28	\$7,502.56	\$2,300.00	\$4,600.00
70	562	Manhole MH-2B on 24" Storm Sewer	4	EACH	3,000.00	\$12,000.00	\$2,500.00	\$10,000.00	\$4,244.18	\$16,976.72	\$2,400.00	\$9,600.00
71	562	Manhole MH-2C Slab Top on 24" Storm Sewer	2	EACH	3,150.00	\$6,300.00	\$2,800.00	\$5,600.00	\$4,173.22	\$8,346.44	\$2,900.00	\$5,800.00
72	562	Manhole MH-2C on 36" Storm Sewer	1	EACH	3,300.00	\$3,300.00	\$3,800.00	\$3,800.00	\$4,984.12	\$4,984.12	\$3,200.00	\$3,200.00
73	562	Manhole Adjusted	12	EACH	350.00	\$4,200.00	\$225.00	\$2,700.00	\$250.00	\$3,000.00	\$250.00	\$3,000.00
74	563	No. I-5 Inlet	4	EACH	2,000.00	\$8,000.00	\$1,400.00	\$5,600.00	\$2,161.57	\$8,646.28	\$1,100.00	\$4,400.00
75	563	Double No. I-5 Inlet	2	EACH	2,000.00	\$4,000.00	\$1,700.00	\$3,400.00	\$3,566.19	\$7,132.38	\$1,500.00	\$3,000.00
76	563	Double No. I-5 Inlet Modified	2	EACH	2,000.00	\$4,000.00	\$1,750.00	\$3,500.00	\$3,566.19	\$7,132.38	\$1,500.00	\$3,000.00
77	563	Inlet Adjusted	1	EACH	500.00	\$500.00	\$350.00	\$350.00	\$250.00	\$250.00	\$250.00	\$250.00
78	SPEC	ODOT CB 2-3	3	EACH	1,200.00	\$3,600.00	\$750.00	\$2,250.00	\$1,880.67	\$5,642.01	\$900.00	\$2,700.00
79	SPEC	ODOT CB 2-4	1	EACH	1,350.00	\$1,350.00	\$1,600.00	\$1,600.00	\$2,384.17	\$2,384.17	\$1,000.00	\$1,000.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
80	SPEC	ODOT CB 2-2B	4	EACH	1,200.00	\$4,800.00	\$800.00	\$3,200.00	\$1,779.97	\$7,119.88	\$750.00	\$3,000.00
81	SPEC	Dry Well	2	EACH	5,500.00	\$11,000.00	\$2,750.00	\$5,500.00	\$1,775.78	\$3,551.56	\$3,500.00	\$7,000.00
82	563	Yard Drain	1	EACH	500.00	\$500.00	\$450.00	\$450.00	\$1,423.34	\$1,423.34	\$500.00	\$500.00
83	564	6 inch Pipe Underdrains	2696	L.F.	6.00	\$16,176.00	\$7.50	\$20,220.00	\$8.84	\$23,832.64	\$5.40	\$14,558.40
84	SPEC	Underdrain Infiltration Trench #57	18	C.Y.	80.00	\$1,440.00	\$40.00	\$720.00	\$37.01	\$666.18	\$50.00	\$900.00
85	601	Rock Channel Protection, Type B	10	C.Y.	60.00	\$600.00	\$70.00	\$700.00	\$50.12	\$501.20	\$65.00	\$650.00
86	601	Rock Channel Protection, Type C	27	C.Y.	60.00	\$1,620.00	\$65.00	\$1,755.00	\$48.80	\$1,317.60	\$65.00	\$1,755.00
87	602	Concrete Masonry (Headwall)	2	EACH	2,400.00	\$4,800.00	\$1,050.00	\$2,100.00	\$1,813.46	\$3,626.92	\$2,500.00	\$5,000.00
88	SPEC	Concrete Pavers (Driveable Grass)	1088	SF	90.00	\$97,920.00	\$14.50	\$15,776.00	\$10.60	\$11,532.80	\$15.00	\$16,320.00
89	SPEC	Bollards (Demountable)	16	EACH	500.00	\$8,000.00	\$1,000.00	\$16,000.00	\$300.00	\$4,800.00	\$950.00	\$15,200.00
90	613	Uniformed Law Enforcement Officer With Patrol Car American Recovery and Reinvestment Act (ARRA) Sign,	60	HR.	50.00	\$3,000.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00	\$50.00	\$3,000.00
91	614	Conventional Road	2	EACH	2,500.00	\$5,000.00	\$1,150.00	\$2,300.00	\$848.00	\$1,696.00	\$800.00	\$1,600.00
92	614	Detour Signing	1	LUMP	5,000.00	\$5,000.00	\$6,000.00	\$6,000.00	\$4,915.22	\$4,915.22	\$7,300.00	\$7,300.00
93	614	Maintaining Traffic	1	LUMP	15,000.00	\$15,000.00	\$6,000.00	\$6,000.00	\$14,703.22	\$14,703.22	\$24,400.00	\$24,400.00
94	616	Water	10	M. GAL.	40.00	\$400.00	\$10.00	\$100.00	\$50.00	\$500.00	\$20.00	\$200.00
95	616	Calcium Chloride	5	TON	125.00	\$625.00	\$150.00	\$750.00	\$250.00	\$1,250.00	\$450.00	\$2,250.00
96	619	Field Office	1	L.S.	12,000.00	\$12,000.00	\$10,000.00	\$10,000.00	\$19,080.00	\$19,080.00	\$2,000.00	\$2,000.00
97	621	Edge Line	0.01	MI	3,500.00	\$35.00	\$5,000.00	\$50.00	\$4,770.00	\$47.70	\$5,000.00	\$50.00
98	621	Center Line	0.47	MI	3,300.00	\$1,551.00	\$2,200.00	\$1,034.00	\$2,226.00	\$1,046.22	\$2,000.00	\$940.00
99	621	Channelizing Lines	324	FT	1.50	\$486.00	\$1.00	\$324.00	\$0.85	\$275.40	\$0.50	\$162.00
100	621	Stop Lines	130	FT	6.00	\$780.00	\$4.00	\$520.00	\$3.18	\$413.40	\$3.00	\$390.00
101	621	Crosswalk Lines	104	FT	3.00	\$312.00	\$3.00	\$312.00	\$1.86	\$193.44	\$2.25	\$234.00
102	621	Broad Transverse Lines	101	FT	5.00	\$505.00	\$3.00	\$303.00	\$2.86	\$288.86	\$2.65	\$267.65
103	621	Lane Arrows	6	EACH	110.00	\$660.00	\$40.00	\$240.00	\$68.90	\$413.40	\$37.50	\$225.00
104	621	Railroad Marking Symbol	1	EACH	525.00	\$525.00	\$175.00	\$175.00	\$371.00	\$371.00	\$165.00	\$165.00
105	622	Monument Box, Adjusted	2	EACH	200.00	\$400.00	\$150.00	\$300.00	\$308.40	\$616.80	\$250.00	\$500.00
106	622	Monument Box	3	EACH	600.00	\$1,800.00	\$350.00	\$1,050.00	\$308.40	\$925.20	\$350.00	\$1,050.00
107	623	Construction Layout Stakes	1	L.S.	15,000.00	\$15,000.00	\$10,500.00	\$10,500.00	\$15,000.00	\$15,000.00	\$31,000.00	\$31,000.00
108	624	Mobilization	1	L.S.	54,000.00	\$54,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$66,000.00	\$66,000.00
109	625	Ground Rod	4	EACH	125.00	\$500.00	\$124.00	\$496.00	\$122.32	\$489.28	\$115.40	\$461.60
110	625	Conduit, 3"	489	L.F.	11.00	\$5,379.00	\$5.00	\$2,445.00	\$4.19	\$2,048.91	\$3.95	\$1,931.55
111	625	Conduit, Jacked Under Pavement	146	L.F.	28.00	\$4,088.00	\$28.00	\$4,088.00	\$27.83	\$4,063.18	\$26.25	\$3,832.50
112	625	Trench (For Signal Conduits)	112	L.F.	7.00	\$784.00	\$5.00	\$560.00	\$4.73	\$529.76	\$4.46	\$499.52
113	625	Trench In Paved Area, Type B	177	L.F.	30.00	\$5,310.00	\$31.00	\$5,487.00	\$28.52	\$5,048.04	\$26.91	\$4,763.07
114	625	Trench For Fiber Optic Cable, As Per Plan	235	L.F.	25.00	\$5,875.00	\$6.00	\$1,410.00	\$5.23	\$1,229.05	\$4.93	\$1,158.55
115	625	Light pole, 30' Aluminum	10	EACH	2,200.00	\$22,000.00	\$1,592.00	\$15,920.00	\$1,570.40	\$15,704.00	\$1,481.51	\$14,815.10
116	625	Light pole foundation, 24" dia. X 8'-0" deep	10	EACH	800.00	\$8,000.00	\$707.00	\$7,070.00	\$697.06	\$6,970.60	\$657.60	\$6,576.00
117	625	Light pole bracket arm mounted on signal pole - Special	2	EACH	1,500.00	\$3,000.00	\$630.00	\$1,260.00	\$620.10	\$1,240.20	\$585.00	\$1,170.00
118	625	Luminaire, LED	12	EACH	2,200.00	\$26,400.00	\$1,735.00	\$20,820.00	\$1,711.90	\$20,542.80	\$1,615.00	\$19,380.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
119	625	Ground Rod	12	EACH	150.00	\$1,800.00	\$120.00	\$1,440.00	\$122.32	\$1,467.84	\$115.40	\$1,384.80
120	625	Pull box, 18" Polymer Concrete	6	EACH	720.00	\$4,320.00	\$525.00	\$3,150.00	\$515.47	\$3,092.82	\$486.29	\$2,917.74
121	625	Trench ( <i>For Lighting Conduits</i> )	1920	LF	8.00	\$15,360.00	\$5.00	\$9,600.00	\$4.72	\$9,062.40	\$4.45	\$8,544.00
122	625	Conduit, 2" Schedule 80	1920	LF	10.05	\$19,296.00	\$2.50	\$4,800.00	\$2.43	\$4,665.60	\$2.29	\$4,394.88
123	625	No. 4 AWG, 600V primary feeder cable	240	LF	2.00	\$480.00	\$2.00	\$480.00	\$1.66	\$398.40	\$1.57	\$376.80
124	625	No. 4 AWG, 600V secondary feeder cable	20	LF	2.00	\$40.00	\$2.00	\$40.00	\$1.60	\$32.00	\$1.57	\$31.40
125	625	No. 4 AWG, 600V distribution cable	1920	LF	2.00	\$3,840.00	\$1.75	\$3,360.00	\$1.66	\$3,187.20	\$1.57	\$3,014.40
126	625	No. 6 AWG, 600V distribution cable	1920	LF	1.50	\$2,880.00	\$1.50	\$2,880.00	\$1.27	\$2,438.40	\$1.20	\$2,304.00
127	625	No. 10 AWG, pole and bracket cable	1440	LF	1.00	\$1,440.00	\$1.00	\$1,440.00	\$1.05	\$1,512.00	\$0.99	\$1,425.60
128	625	Connector kit, Type II	12	EACH	70.00	\$840.00	\$65.00	\$780.00	\$63.91	\$766.92	\$60.29	\$723.48
129	625	Cable splicing kit	6	EACH	70.00	\$420.00	\$75.00	\$450.00	\$73.04	\$438.24	\$68.91	\$413.46
130	625	Control center/Power Service	1	EACH	3,100.00	\$3,100.00	\$7,940.00	\$7,940.00	\$7,829.16	\$7,829.16	\$7,386.60	\$7,386.60
131	626	Geotextile Fabric, Type D (lower layer)	10836	S.Y.	5.50	\$59,598.00	\$1.00	\$10,836.00	\$2.56	\$27,740.16	\$2.00	\$21,672.00
132	626	Geotextile Fabric, Type D (upper layer)	8800	S.Y.	5.50	\$48,400.00	\$1.00	\$8,800.00	\$2.56	\$22,528.00	\$2.00	\$17,600.00
133	629	Street Name Sign	6	EACH	100.00	\$600.00	\$100.00	\$600.00	\$84.80	\$508.80	\$97.50	\$585.00
134	629	Street Name Sign Pole	3	EACH	12.00	\$36.00	\$350.00	\$1,050.00	\$312.70	\$938.10	\$125.00	\$375.00
135	629	Street Name Sign Assembly	6	EACH	100.00	\$600.00	\$30.00	\$180.00	\$26.50	\$159.00	\$325.00	\$1,950.00
136	630	Ground Mounted Supports, #3 Post	379.4	L.F.	7.00	\$2,655.80	\$6.00	\$2,276.40	\$7.21	\$2,735.47	\$6.45	\$2,447.13
137	630	Sign Hanger Assembly (Mast Arm)	4	EACH	175.00	\$700.00	\$325.00	\$1,300.00	\$18.02	\$72.08	\$255.50	\$1,022.00
138	630	Signs ("Flat Sheet", "Extrusheet", Or "Overlay") Signs ("Flat Sheet", "Extrusheet", Or "Overlay"), As Per Plan	162.8	S.F.	12.00	\$1,953.60	\$10.00	\$1,628.00	\$13.25	\$2,157.10	\$14.60	\$2,376.88
139	630	Plan	4	S.F.	20.00	\$80.00	\$110.00	\$440.00	\$26.50	\$106.00	\$14.60	\$58.40
140	630	Removal Of Ground Mounted Post Support	21	EACH	10.00	\$210.00	\$30.00	\$630.00	\$14.84	\$311.64	\$25.00	\$525.00
141	630	Traffic Sign Removed	26	EACH	15.00	\$390.00	\$30.00	\$780.00	\$14.84	\$385.84	\$10.00	\$260.00
142	630	Traffic Sign Removed, Stored And Rerected	4	EACH	40.00	\$160.00	\$85.00	\$340.00	\$38.16	\$152.64	\$25.00	\$100.00
143	630	LED Internally Illuminated Sign, As Per Plan	1	EACH	2500.00	\$2,500.00	\$2,850.00	\$2,850.00	\$2,810.87	\$2,810.87	\$2,651.76	\$2,651.76
144	632	Polycarbonate, As Per Plan Vehicular Signal Head, 3-Section, 12 Inch Lens, 1-Way,	8	EACH	500.00	\$4,000.00	\$800.00	\$6,400.00	\$791.82	\$6,334.56	\$747.20	\$5,977.60
145	632	Polycarbonate, As Per Plan	4	EACH	700.00	\$2,800.00	\$1,185.00	\$4,740.00	\$1,170.19	\$4,680.76	\$1,103.95	\$4,415.80
146	632	Pull Box, 24" X 36" X 24" Reinforced Polymer Concrete	5	EACH	1,400.00	\$7,000.00	\$770.00	\$3,850.00	\$759.00	\$3,795.00	\$716.04	\$3,580.20
147	632	Signal Support Foundation	3	EACH	2,200.00	\$6,600.00	\$2,165.00	\$6,495.00	\$2,182.54	\$6,547.62	\$2,059.00	\$6,177.00
148	632	Power Cable, 3 Conductor, No. 14 AWG	99	L.F.	2.50	\$247.50	\$2.00	\$198.00	\$1.39	\$137.61	\$1.31	\$129.69
149	632	Signal Support, Type TC-81.21 Design 2	1	EACH	3,400.00	\$3,400.00	\$5,060.00	\$5,060.00	\$5,109.20	\$5,109.20	\$4,820.00	\$4,820.00
150	632	Combination Signal Support, Type TC-81.21 Design 2	1	EACH	3,500.00	\$3,500.00	\$5,595.00	\$5,595.00	\$5,647.68	\$5,647.68	\$5,328.00	\$5,328.00
151	632	Combination Signal Support, Type TC-12.30, Design 5 Pole, with Mast Arms TC-81.21 Design 4 and Design 11	1	EACH	7,500.00	\$7,500.00	\$11,072.00	\$11,072.00	\$11,177.70	\$11,177.70	\$10,545.00	\$10,545.00
152	632	Signal Cable, 5 Conductor No. 14 Awg	422	L.F.	1.50	\$633.00	\$1.50	\$633.00	\$1.53	\$645.66	\$1.44	\$607.68
153	632	Signal Cable, 7 Conductor No. 14 Awg	971	L.F.	1.75	\$1,699.25	\$2.00	\$1,942.00	\$1.71	\$1,660.41	\$1.61	\$1,563.31
154	632	Power Service, As Per Plan	1	EACH	1,310.00	\$1,310.00	\$1,888.00	\$1,888.00	\$1,906.73	\$1,906.73	\$1,798.80	\$1,798.80

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*4. Fabrizi Trucking & Paving		**5. Mr. Excavator		***6. Lockhart Concrete Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
155	632	Interconnect Cable Misc.: Drop Cable, 6 Fiber	429	L.F.	2.00	\$858.00	\$1.00	\$429.00	\$0.76	\$326.04	\$0.72	\$308.88
156	632	Interconnect Misc.: Fan-Out Kit, 6 Fiber	1	EACH	80.00	\$80.00	\$50.00	\$50.00	\$47.00	\$47.00	\$44.34	\$44.34
157	632	Interconnect Misc.: Fiber Optic Patch Cord	1	EACH	45.00	\$45.00	\$95.00	\$95.00	\$91.27	\$91.27	\$86.10	\$86.10
158	632	Interconnect Misc.: Fusion Splice	4	EACH	150.00	\$600.00	\$17.00	\$68.00	\$16.70	\$66.80	\$15.75	\$63.00
159	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525.00	\$525.00	\$638.00	\$638.00	\$643.42	\$643.42	\$607.95	\$607.95
160	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$180.00	\$180.00	\$179.19	\$179.19	\$169.05	\$169.05
161	632	Interconnect Misc.: Mechanical Splice	4	EACH	125.00	\$500.00	\$44.00	\$176.00	\$44.52	\$178.08	\$42.00	\$168.00
162	632	Interconnect Misc.: Fiber Optic Connector	1	EACH	500.00	\$500.00	\$28.00	\$28.00	\$27.83	\$27.83	\$26.25	\$26.25
163	632	Interconnect Misc.: Pole Entrance Fitting	1	EACH	50.00	\$50.00	\$504.00	\$504.00	\$508.80	\$508.80	\$480.00	\$480.00
164	632	Interconnect Misc.: Fiber Optic Cable Testing	1	LUMP	2,500.00	\$2,500.00	\$550.00	\$550.00	\$556.50	\$556.50	\$525.00	\$525.00
165	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$22,344.00	\$22,344.00	\$22,556.80	\$22,556.80	\$21,280.00	\$21,280.00
166	633	Controller, Misc.: Signal Controller With Cabinet, As Per Plan	1	EACH	9,500.00	\$9,500.00	\$16,960.00	\$16,960.00	\$17,119.00	\$17,119.00	\$16,150.00	\$16,150.00
167	633	Cabinet Foundation	1	EACH	850.00	\$850.00	\$1,405.00	\$1,405.00	\$1,418.28	\$1,418.28	\$1,338.00	\$1,338.00
168	633	Controller Work Pad	1	EACH	150.00	\$150.00	\$300.00	\$300.00	\$302.10	\$302.10	\$285.00	\$285.00
169	633	Preemption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$9,555.00	\$9,555.00	\$9,646.00	\$9,646.00	\$9,100.00	\$9,100.00
170	633	Controller, Misc.: Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	250.00	\$250.00	\$3,900.00	\$3,900.00	\$3,932.60	\$3,932.60	\$3,710.00	\$3,710.00
171	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	1	EACH	4,000.00	\$4,000.00	\$3,300.00	\$3,300.00	\$3,333.70	\$3,333.70	\$3,145.00	\$3,145.00
172	653	Topsoil Furnished & Placed, 4" Thick	6685	S.Y.	3.25	\$21,726.25	\$3.00	\$20,055.00	\$2.87	\$19,185.95	\$1.00	\$6,685.00
173	653	Topsoil Furnished & Placed, 6" Thick for Infiltration Trench	393	S.Y.	4.00	\$1,572.00	\$4.25	\$1,670.25	\$4.24	\$1,666.32	\$1.50	\$589.50
174	659	Lawn Seeding and Mulching	7078	S.Y.	1.30	\$9,201.40	\$1.00	\$7,078.00	\$0.90	\$6,370.20	\$1.00	\$7,078.00
175	659	Embankment Mulching	3955	S.Y.	0.90	\$3,559.50	\$3.75	\$14,831.25	\$3.57	\$14,119.35	\$3.35	\$13,249.25
176	659	Fragrant Sumac, Rhus aromatic, 18" #3 Container	1722	EACH	34.38	\$59,202.36	\$21.50	\$37,023.00	\$20.67	\$35,593.74	\$20.00	\$34,440.00
177	659	Winter Honeysuckle, Lonicera fragrantissima, 18" #5 Container	570	EACH	37.25	\$21,232.50	\$30.00	\$17,100.00	\$28.62	\$16,313.40	\$24.00	\$13,680.00
178	659	Columnar Golden Rain Tree, Koelreuteria paniculata 'Fastigiata', 2.5" B&B	109	EACH	350.00	\$38,150.00	\$325.00	\$35,425.00	\$314.82	\$34,315.38	\$275.00	\$29,975.00
179	659	Columnar Siberian Crabapple, Malus baccata 'Columnaris', 2.5" B&B	88	EACH	350.00	\$30,800.00	\$200.00	\$17,600.00	\$192.92	\$16,976.96	\$250.00	\$22,000.00
180	659	Conquest Norway Maple, Acer platanoides 'Conzam' 2.5" B&B	88	EACH	350.00	\$30,800.00	\$190.00	\$16,720.00	\$188.68	\$16,603.84	\$250.00	\$22,000.00
181	659	Valley Forge American Elm	21	EACH	350.00	\$7,350.00	\$200.00	\$4,200.00	\$195.04	\$4,095.84	\$265.00	\$5,565.00
182	659	Thornless Cockspur Hawthorn	10	EACH	350.00	\$3,500.00	\$190.00	\$1,900.00	\$184.44	\$1,844.40	\$225.00	\$2,250.00
183	632	12" Green Led, Lights	10	EACH	175.00	\$1,750.00	\$150.00	\$1,500.00	\$77.91	\$779.10	\$73.50	\$735.00
184	632	12" Yellow Led, Lights	10	EACH	175.00	\$1,750.00	\$150.00	\$1,500.00	\$77.91	\$779.10	\$73.50	\$735.00

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*4. Fabrizi Trucking & Paving PRICE	*4. Fabrizi Trucking & Paving AMOUNT	**5. Mr. Excavator PRICE	**5. Mr. Excavator AMOUNT	***6. Lockhart Concrete Co. PRICE	***6. Lockhart Concrete Co. AMOUNT
185	632	Vehicular Signal Head, 3-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	4	EACH	550.00	\$2,200.00	\$485.00	\$1,940.00	\$484.16	\$1,936.64	\$456.75	\$1,827.00
186	632	Vehicular Signal Head, 5-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	2	EACH	750.00	\$1,500.00	\$785.00	\$1,570.00	\$790.23	\$1,580.46	\$745.50	\$1,491.00
187	632	Pedestrian Signal Head, Led Type D2	10	EACH	400.00	\$4,000.00	\$310.00	\$3,100.00	\$311.64	\$3,116.40	\$294.00	\$2,940.00
188	633	Controller, Misc.: Battery Backup System Spare Batteries for Model Rpu-105 AHR/AGM	4	EACH	2,500.00	\$10,000.00	\$275.00	\$1,100.00	\$278.25	\$1,113.00	\$262.50	\$1,050.00
<b><u>ALTERNATE #1</u></b>												
ALT#1	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per	1	EACH	4,000.00	\$4,000.00	\$6,390.00	\$6,390.00	\$6,450.10	\$6,450.10	\$6,085.00	\$6,085.00
<b><u>ALTERNATE #2</u></b>												
ALT#2	SPEC	Geogrid (Tensar BX-1200) - Alternate Bid	8800	S.Y.	5.50	\$48,400.00	\$5.00	\$44,000.00	\$6.88	\$60,544.00	\$6.10	\$53,680.00
<b><u>ALTERNATE #3</u></b>												
ALT#3	SPEC	Geogrid (Tensar BX-1300) - Alternate Bid	10836	S.Y.	5.50	\$59,598.00	\$6.00	\$65,016.00	\$6.45	\$69,892.20	\$5.70	\$61,765.20
<b><u>ALTERNATE #4</u></b>												
ALT#4	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$21,760.00	\$21,760.00	\$21,968.50	\$21,968.50	\$20,725.00	\$20,725.00
<b><u>ALTERNATE #5</u></b>												
ALT#5	633	Premption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$3,030.00	\$3,030.00	\$3,055.98	\$3,055.98	\$2,883.00	\$2,883.00
<b><u>ALTERNATE #6</u></b>												
ALT#5	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525	\$525.00	\$180.00	\$180.00	\$179.17	\$179.17	\$169.05	\$169.05
<b><u>ALTERNATE #7</u></b>												
ALT#7	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$180.00	\$180.00	\$172.52	\$172.52	\$162.75	\$162.75
<b>TOTAL CONSTRUCTION COSTS</b>						\$2,965,165.66	\$2,153,951.70	\$2,153,951.70	\$2,265,064.57	\$2,265,064.57	\$2,293,314.77	\$2,293,314.77
<b>+/- ENGINEER'S ESTIMATE</b>									-27.4%		-23.6%	-22.7%

**ALTERNATE #1**

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*4. Fabrizi Trucking & Paving PRICE	*4. Fabrizi Trucking & Paving AMOUNT	**5. Mr. Excavator PRICE	**5. Mr. Excavator AMOUNT	***6. Lockhart Concrete Co. PRICE	***6. Lockhart Concrete Co. AMOUNT
TOTAL CONSTRUCTION COSTS						\$4,000.00		\$6,390.00		\$6,450.10		\$6,085.00
+/- ENGINEER'S ESTIMATE								+59.8%		+61.3%		+52.1%
<b>ALTERNATE #2</b>												
TOTAL CONSTRUCTION COSTS						\$48,400.00		\$44,000.00		\$60,544.00		\$53,680.00
+/- ENGINEER'S ESTIMATE								-9.1%		+25.1%		+10.9%
<b>ALTERNATE #3</b>												
TOTAL CONSTRUCTION COSTS						\$59,598.00		\$65,016.00		\$69,892.20		\$61,765.20
+/- ENGINEER'S ESTIMATE								+9.1%		+17.3%		+3.6%
<b>ALTERNATE #4</b>												
TOTAL CONSTRUCTION COSTS						\$15,000.00		\$21,760.00		\$21,968.50		\$20,725.00
+/- ENGINEER'S ESTIMATE								+45.1%		+46.5%		+38.2%
<b>ALTERNATE #5</b>												
TOTAL CONSTRUCTION COSTS						\$5,000.00		\$3,030.00		\$3,055.98		\$2,883.00
+/- ENGINEER'S ESTIMATE								-39.4%		-38.9%		-42.3%
<b>ALTERNATE #6</b>												
TOTAL CONSTRUCTION COSTS						\$525.00		\$180.00		\$179.17		\$169.05
+/- ENGINEER'S ESTIMATE								-65.7%		-65.9%		-67.8%
<b>ALTERNATE #7</b>												
TOTAL CONSTRUCTION COSTS						\$1,000.00		\$180.00		\$172.52		\$162.75
+/- ENGINEER'S ESTIMATE								-82.0%		-82.7%		-83.7%

\* Unofficial Construction Cost - incorrect in bid book

\*\* Ref #'s 14 and 176 changed neither initialed nor dated, Ref. #'s 64, 65, 66 and 124, extended amount incorrect in bid book, Unofficial Construction cost incorrect in bid book

\*\*\* Ref. #122 extended amount incorrect in bid book, Unofficial construction cost incorrect in bid book.  
Alt #3 extended amount incorrect in bid book

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	30,000.00	\$30,000.00	\$68,569.00	\$68,569.00
2	201	Trees Removed, 18 inch	47	EACH	800.00	\$37,600.00	\$224.00	\$10,528.00
3	201	Trees Removed, 30 inch	1	EACH	1,200.00	\$1,200.00	\$299.00	\$299.00
4	201	Trees Removed, 48 inch	3	EACH	2,200.00	\$6,600.00	\$576.00	\$1,728.00
5	201	Stump Removed, 60 inch	1	EACH	900.00	\$900.00	\$717.00	\$717.00
6	202	Sidewalk Removed	5859	S.F.	2.00	\$11,718.00	\$1.00	\$5,859.00
7	202	Curb Removed	1089	L.F.	3.00	\$3,267.00	\$3.10	\$3,375.90
8	202	Curb and Gutter Removed	443	L.F.	8.00	\$3,544.00	\$3.40	\$1,506.20
9	202	Pipe Removed, 12 inch	229	L.F.	15.00	\$3,435.00	\$4.40	\$1,007.60
10	202	Pipe Removed, 24 inch	305	L.F.	20.00	\$6,100.00	\$7.30	\$2,226.50
11	202	Pipe Abandoned, 12 inch & Under	1974	L.F.	2.00	\$3,948.00	\$0.80	\$1,579.20
12	202	Headwall Removed	2	EACH	250.00	\$500.00	\$311.00	\$622.00
13	202	Valve Removed	5	EACH	125.00	\$625.00	\$214.00	\$1,070.00
14	202	Hydrant Removed	4	EACH	125.00	\$500.00	\$346.00	\$1,384.00
15	202	Pavement Removed, Wearing Course	761	S.Y.	8.00	\$6,088.00	\$7.20	\$5,479.20
16	202	Pavement Removed, Concrete (10" thick)	816	S.Y.	22.00	\$17,952.00	\$7.20	\$5,875.20
17	202	Catch Basin or Inlet Removed	10	EACH	250.00	\$2,500.00	\$220.00	\$2,200.00
18	203	Excavation Not Including Embankment Construction	2993	C.Y.	25.00	\$74,825.00	\$15.60	\$46,690.80
19	203	Embankment	3228	C.Y.	10.00	\$32,280.00	\$6.20	\$20,013.60
20	203	Subgrade Compaction	33132	S.Y.	2.50	\$82,830.00	\$1.20	\$39,758.40
21	203	Proof Rolling	19	HOUR	100.00	\$1,900.00	\$137.00	\$2,603.00
22	203	Aggregate Refill, Type 1	2934	C.Y.	65.00	\$190,710.00	\$28.00	\$82,152.00
23	203	Aggregate Refill, Type 2	4085	C.Y.	65.00	\$265,525.00	\$31.00	\$126,635.00
24	207	Filter Fabric Fence	5470	L.F.	1.00	\$5,470.00	\$1.20	\$6,564.00
25	207	Inlet Protection	15	EACH	50.00	\$750.00	\$59.00	\$885.00
26	SPEC	Permanent Slope Protection	3577	S.Y.	27.00	\$96,579.00	\$4.40	\$15,738.80
27	252	Trenches for Water Services in Earth	435	L.F.	15.00	\$6,525.00	\$9.80	\$4,263.00
28	254	8 inch Ductile Iron Pipe	1930	L.F.	85.00	\$164,050.00	\$59.80	\$115,414.00
29	258	6 inch Gate Valve	8	EACH	900.00	\$7,200.00	\$977.00	\$7,816.00
30	258	8 inch Gate Valve	3	EACH	1,100.00	\$3,300.00	\$1,322.00	\$3,966.00
31	259	8 inch 22 1/2 Degree Bend	1	EACH	275.00	\$275.00	\$179.00	\$179.00
32	259	8 inch 45 Degree Bend	21	EACH	275.00	\$5,775.00	\$179.00	\$3,759.00
33	259	6 inch Solid Sleeve	1	EACH	500.00	\$500.00	\$387.00	\$387.00
34	259	8 inch Solid Sleeve	2	EACH	800.00	\$1,600.00	\$411.00	\$822.00
35	259	6 inch x 6 inch Tee	1	EACH	300.00	\$300.00	\$498.00	\$498.00
36	259	8 inch x 6 inch Tee	7	EACH	350.00	\$2,450.00	\$532.00	\$3,724.00
37	259	8 inch x 8 inch Tee	1	EACH	400.00	\$400.00	\$638.00	\$638.00
38	256	8 inch x 6 inch Reducer	1	EACH	250.00	\$250.00	\$246.00	\$246.00
39	260	Fire Hydrants	9	EACH	3,000.00	\$27,000.00	\$3,545.00	\$31,905.00
40	263	Tying into Existing 6 inch Main	1	EACH	2,000.00	\$2,000.00	\$258.00	\$258.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT
41	263	Tying Into Existing 8 inch Main	2	EACH	2,500.00	\$5,000.00	\$327.00	\$654.00
42	265	Water Main Valve Boxes Adjusted	8	EACH	100.00	\$800.00	\$68.00	\$544.00
43	301	Asphalt Concrete Base	3006	C.Y.	120.00	\$360,720.00	\$96.00	\$288,576.00
44	304	Aggregate Base (For MOT)	100	C.Y.	30.00	\$3,000.00	\$38.00	\$3,800.00
45	407	Tack Coat	1066	GAL.	2.00	\$2,132.00	\$2.00	\$2,132.00
46	446	Asphalt Concrete Surface Course, Type 1	335	C.Y.	145.00	\$48,575.00	\$167.00	\$55,945.00
47	455	Curb, 6"x18"	3723	L.F.	16.00	\$59,568.00	\$14.50	\$53,983.50
48	455	Curb, 18"x18"	1319	L.F.	20.00	\$26,380.00	\$27.50	\$36,272.50
49	455	Combination Curb & Gutter	1320	L.F.	22.00	\$29,040.00	\$14.50	\$19,140.00
50	456	Concrete Walk, 4 inches Thick	8182	S.F.	4.25	\$34,773.50	\$3.50	\$28,637.00
51	456	Concrete Walk, 6 inches Thick	182	S.F.	5.50	\$1,001.00	\$4.50	\$819.00
52	456	Curb Ramps	3	EACH	500.00	\$1,500.00	\$471.00	\$1,413.00
53	456	Concrete Aprons, 6 inches Thick Pervious Concrete, 6" Thick, Portland Cement Type 1, Per	10754	S.F.	4.50	\$48,393.00	\$4.50	\$48,393.00
54	SPEC	ASTM 150 C Pervious Concrete Leveling Course, 3" Thick, No. 57	1417	S.Y.	80.00	\$113,360.00	\$46.50	\$65,890.50
55	SPEC	Limestone	119	C.Y.	40.00	\$4,760.00	\$39.50	\$4,700.50
56	552	6 inch Storm Sewer, HDPE, Class "NR" Bedding	9	L.F.	40.00	\$360.00	\$16.50	\$148.50
57	552	12 inch Storm Sewer, RCP, Class "B" Bedding	246	L.F.	55.00	\$13,530.00	\$33.80	\$8,314.80
58	552	12 inch Storm Sewer, HDPE, Class "NR" Bedding	10	L.F.	45.00	\$450.00	\$29.70	\$297.00
59	552	15 inch Storm Sewer, RCP, Class "B" Bedding	45	L.F.	65.00	\$2,925.00	\$37.30	\$1,678.50
60	552	18 inch Storm Sewer, RCP, Class "B" Bedding	222	L.F.	70.00	\$15,540.00	\$42.60	\$9,457.20
61	552	21 inch Storm Sewer, RCP, Class "B" Bedding	137	L.F.	75.00	\$10,275.00	\$47.90	\$6,562.30
62	552	24 inch Storm Sewer, RCP, Class "B" Bedding	1094	L.F.	80.00	\$87,520.00	\$52.30	\$57,216.20
63	552	36 inch Storm Sewer, RCP, Class "B" Bedding	89	L.F.	120.00	\$10,680.00	\$77.70	\$6,915.30
64	264	Steel Casing, 38 inch Bored	51	L.F.	400.00	\$20,400.00	\$391.00	\$19,941.00
65	264	Steel Casing, 50 inch Bored	57	L.F.	500.00	\$28,500.00	\$592.00	\$33,744.00
66	556	House Drain Pipe, Complete	28	EACH	750.00	\$21,000.00	\$238.00	\$6,664.00
67	562	Manhole MH-2A on 18" Storm Sewer	1	EACH	2,500.00	\$2,500.00	\$1,987.00	\$1,987.00
68	562	Manhole MH-2A Slab Top on 18" Storm Sewer	2	EACH	2,700.00	\$5,400.00	\$1,947.00	\$3,894.00
69	562	Manhole MH-2B on 21" Storm Sewer	2	EACH	2,750.00	\$5,500.00	\$2,667.00	\$5,334.00
70	562	Manhole MH-2B on 24" Storm Sewer	4	EACH	3,000.00	\$12,000.00	\$2,681.00	\$10,724.00
71	562	Manhole MH-2C Slab Top on 24" Storm Sewer	2	EACH	3,150.00	\$6,300.00	\$3,321.00	\$6,642.00
72	562	Manhole MH-2C on 36" Storm Sewer	1	EACH	3,300.00	\$3,300.00	\$3,971.00	\$3,971.00
73	562	Manhole Adjusted	12	EACH	350.00	\$4,200.00	\$234.00	\$2,808.00
74	563	No. I-5 Inlet	4	EACH	2,000.00	\$8,000.00	\$1,511.00	\$6,044.00
75	563	Double No. I-5 Inlet	2	EACH	2,000.00	\$4,000.00	\$2,479.00	\$4,958.00
76	563	Double No. I-5 Inlet Modified	2	EACH	2,000.00	\$4,000.00	\$2,507.00	\$5,014.00
77	563	Inlet Adjusted	1	EACH	500.00	\$500.00	\$224.00	\$224.00
78	SPEC	ODOT CB 2-3	3	EACH	1,200.00	\$3,600.00	\$1,147.00	\$3,441.00
79	SPEC	ODOT CB 2-4	1	EACH	1,350.00	\$1,350.00	\$1,519.00	\$1,519.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT
80	SPEC	ODOT CB 2-2B	4	EACH	1,200.00	\$4,800.00	\$1,009.00	\$4,036.00
81	SPEC	Dry Well	2	EACH	5,500.00	\$11,000.00	\$1,112.00	\$2,224.00
82	563	Yard Drain	1	EACH	500.00	\$500.00	\$249.00	\$249.00
83	564	6 inch Pipe Underdrains	2696	L.F.	6.00	\$16,176.00	\$5.90	\$15,906.40
84	SPEC	Underdrain Infiltration Trench #57	18	C.Y.	80.00	\$1,440.00	\$38.00	\$684.00
85	601	Rock Channel Protection, Type B	10	C.Y.	60.00	\$600.00	\$68.00	\$680.00
86	601	Rock Channel Protection, Type C	27	C.Y.	60.00	\$1,620.00	\$68.00	\$1,836.00
87	602	Concrete Masonry (Headwall)	2	EACH	2,400.00	\$4,800.00	\$2,769.00	\$5,538.00
88	SPEC	Concrete Pavers (Driveable Grass)	1088	SF	90.00	\$97,920.00	\$16.50	\$17,952.00
89	SPEC	Bollards (Demountable)	16	EACH	500.00	\$8,000.00	\$1,172.00	\$18,752.00
90	613	Uniformed Law Enforcement Officer With Patrol Car American Recovery and Reinvestment Act (ARRA) Sign,	60	HR.	50.00	\$3,000.00	\$50.00	\$3,000.00
91	614	Conventional Road	2	EACH	2,500.00	\$5,000.00	\$1,121.00	\$2,242.00
92	614	Detour Signing	1	LUMP	5,000.00	\$5,000.00	\$19,429.00	\$19,429.00
93	614	Maintaining Traffic	1	LUMP	15,000.00	\$15,000.00	\$54,761.00	\$54,761.00
94	616	Water	10	M. GAL.	40.00	\$400.00	\$6.00	\$60.00
95	616	Calcium Chloride	5	TON	125.00	\$625.00	\$268.00	\$1,340.00
96	619	Field Office	1	L.S.	12,000.00	\$12,000.00	\$7,248.00	\$7,248.00
97	621	Edge Line	0.01	MI	3,500.00	\$35.00	\$5,234.00	\$52.34
98	621	Center Line	0.47	MI	3,300.00	\$1,551.00	\$2,114.00	\$993.58
99	621	Channelizing Lines	324	FT	1.50	\$486.00	\$0.70	\$226.80
100	621	Stop Lines	130	FT	6.00	\$780.00	\$3.10	\$403.00
101	621	Crosswalk Lines	104	FT	3.00	\$312.00	\$2.40	\$249.60
102	621	Broad Transverse Lines	101	FT	5.00	\$505.00	\$2.70	\$272.70
103	621	Lane Arrows	6	EACH	110.00	\$660.00	\$39.00	\$234.00
104	621	Railroad Marking Symbol	1	EACH	525.00	\$525.00	\$165.00	\$165.00
105	622	Monument Box, Adjusted	2	EACH	200.00	\$400.00	\$102.00	\$204.00
106	622	Monument Box	3	EACH	600.00	\$1,800.00	\$642.00	\$1,926.00
107	623	Construction Layout Stakes	1	L.S.	15,000.00	\$15,000.00	\$27,814.00	\$27,814.00
108	624	Mobilization	1	L.S.	54,000.00	\$54,000.00	\$69,876.00	\$69,876.00
109	625	Ground Rod	4	EACH	125.00	\$500.00	\$163.00	\$652.00
110	625	Conduit, 3"	489	L.F.	11.00	\$5,379.00	\$13.00	\$6,357.00
111	625	Conduit, Jacked Under Pavement	146	L.F.	28.00	\$4,088.00	\$45.00	\$6,570.00
112	625	Trench (For Signal Conduits)	112	L.F.	7.00	\$784.00	\$5.50	\$616.00
113	625	Trench In Paved Area, Type B	177	L.F.	30.00	\$5,310.00	\$9.30	\$1,646.10
114	625	Trench For Fiber Optic Cable, As Per Plan	235	L.F.	25.00	\$5,875.00	\$4.40	\$1,034.00
115	625	Light pole, 30' Aluminum	10	EACH	2,200.00	\$22,000.00	\$1,563.00	\$15,630.00
116	625	Light pole foundation, 24" dia. X 8'-0" deep	10	EACH	800.00	\$8,000.00	\$1,171.00	\$11,710.00
117	625	Light pole bracket arm mounted on signal pole - Special	2	EACH	1,500.00	\$3,000.00	\$286.00	\$572.00
118	625	Luminaire, LED	12	EACH	2,200.00	\$26,400.00	\$2,384.00	\$28,608.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT
119	625	Ground Rod	12	EACH	150.00	\$1,800.00	\$164.00	\$1,968.00
120	625	Pull box, 18" Polymer Concrete	6	EACH	720.00	\$4,320.00	\$627.00	\$3,762.00
121	625	Trench ( <i>For Lighting Conduits</i> )	1920	LF	8.00	\$15,360.00	\$4.90	\$9,408.00
122	625	Conduit, 2" Schedule 80	1920	LF	10.05	\$19,296.00	\$3.80	\$7,296.00
123	625	No. 4 AWG, 600V primary feeder cable	240	LF	2.00	\$480.00	\$2.30	\$552.00
124	625	No. 4 AWG, 600V secondary feeder cable	20	LF	2.00	\$40.00	\$2.30	\$46.00
125	625	No. 4 AWG, 600V distribution cable	1920	LF	2.00	\$3,840.00	\$4.30	\$8,256.00
126	625	No. 6 AWG, 600V distribution cable	1920	LF	1.50	\$2,880.00	\$3.60	\$6,912.00
127	625	No. 10 AWG, pole and bracket cable	1440	LF	1.00	\$1,440.00	\$1.00	\$1,440.00
128	625	Connector kit, Type II	12	EACH	70.00	\$840.00	\$78.00	\$936.00
129	625	Cable splicing kit	6	EACH	70.00	\$420.00	\$74.00	\$444.00
130	625	Control center/Power Service	1	EACH	3,100.00	\$3,100.00	\$14,222.00	\$14,222.00
131	626	Geotextile Fabric, Type D (lower layer)	10836	S.Y.	5.50	\$59,598.00	\$1.60	\$17,337.60
132	626	Geotextile Fabric, Type D (upper layer)	8800	S.Y.	5.50	\$48,400.00	\$1.60	\$14,080.00
133	629	Street Name Sign	6	EACH	100.00	\$600.00	\$101.00	\$606.00
134	629	Street Name Sign Pole	3	EACH	12.00	\$36.00	\$128.00	\$384.00
135	629	Street Name Sign Assembly	6	EACH	100.00	\$600.00	\$330.00	\$1,980.00
136	630	Ground Mounted Supports, #3 Post	379.4	L.F.	7.00	\$2,655.80	\$6.60	\$2,504.04
137	630	Sign Hanger Assembly (Mast Arm)	4	EACH	175.00	\$700.00	\$282.00	\$1,128.00
138	630	Signs ("Flat Sheet", "Extrusheet", Or "Overlay") Signs ("Flat Sheet", "Extrusheet", Or "Overlay"), As Per Plan	162.8	S.F.	12.00	\$1,953.60	\$17.00	\$2,767.60
139	630	Plan	4	S.F.	20.00	\$80.00	\$16.60	\$66.40
140	630	Removal Of Ground Mounted Post Support	21	EACH	10.00	\$210.00	\$28.00	\$588.00
141	630	Traffic Sign Removed	26	EACH	15.00	\$390.00	\$11.00	\$286.00
142	630	Traffic Sign Removed, Stored And Rerected	4	EACH	40.00	\$160.00	\$27.00	\$108.00
143	630	LED Internally Illuminated Sign, As Per Plan	1	EACH	2500.00	\$2,500.00	\$2,925.00	\$2,925.00
144	632	Polycarbonate, As Per Plan Vehicular Signal Head, 3-Section, 12 Inch Lens, 1-Way,	8	EACH	500.00	\$4,000.00	\$812.00	\$6,496.00
145	632	Polycarbonate, As Per Plan	4	EACH	700.00	\$2,800.00	\$1,217.00	\$4,868.00
146	632	Pull Box, 24" X 36" X 24" Reinforced Polymer Concrete	5	EACH	1,400.00	\$7,000.00	\$1,031.00	\$5,155.00
147	632	Signal Support Foundation	3	EACH	2,200.00	\$6,600.00	\$2,973.00	\$8,919.00
148	632	Power Cable, 3 Conductor, No. 14 AWG	99	L.F.	2.50	\$247.50	\$2.00	\$198.00
149	632	Signal Support, Type TC-81.21 Design 2	1	EACH	3,400.00	\$3,400.00	\$3,168.00	\$3,168.00
150	632	Combination Signal Support, Type TC-81.21 Design 2	1	EACH	3,500.00	\$3,500.00	\$4,282.00	\$4,282.00
151	632	Combination Signal Support, Type TC-12.30, Design 5 Pole, with Mast Arms TC-81.21 Design 4 and Design 11	1	EACH	7,500.00	\$7,500.00	\$10,593.00	\$10,593.00
152	632	Signal Cable, 5 Conductor No. 14 Awg	422	L.F.	1.50	\$633.00	\$2.00	\$844.00
153	632	Signal Cable, 7 Conductor No. 14 Awg	971	L.F.	1.75	\$1,699.25	\$2.50	\$2,427.50
154	632	Power Service, As Per Plan	1	EACH	1,310.00	\$1,310.00	\$1,183.00	\$1,183.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating	
					PRICE	AMOUNT	PRICE	AMOUNT
155	632	Interconnect Cable Misc.: Drop Cable, 6 Fiber	429	L.F.	2.00	\$858.00	\$2.00	\$858.00
156	632	Interconnect Misc.: Fan-Out Kit, 6 Fiber	1	EACH	80.00	\$80.00	\$63.00	\$63.00
157	632	Interconnect Misc.: Fiber Optic Patch Cord	1	EACH	45.00	\$45.00	\$204.00	\$204.00
158	632	Interconnect Misc.: Fusion Splice	4	EACH	150.00	\$600.00	\$36.00	\$144.00
159	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525.00	\$525.00	\$361.00	\$361.00
160	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$151.00	\$151.00
161	632	Interconnect Misc.: Mechanical Splice	4	EACH	125.00	\$500.00	\$32.00	\$128.00
162	632	Interconnect Misc.: Fiber Optic Connector	1	EACH	500.00	\$500.00	\$2.00	\$2.00
163	632	Interconnect Misc.: Pole Entrance Fitting	1	EACH	50.00	\$50.00	\$154.00	\$154.00
164	632	Interconnect Misc.: Fiber Optic Cable Testing	1	LUMP	2,500.00	\$2,500.00	\$766.00	\$766.00
165	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$23,121.00	\$23,121.00
166	633	Controller, Misc.: Signal Controller With Cabinet, As Per Plan	1	EACH	9,500.00	\$9,500.00	\$17,456.00	\$17,456.00
167	633	Cabinet Foundation	1	EACH	850.00	\$850.00	\$2,092.00	\$2,092.00
168	633	Controller Work Pad	1	EACH	150.00	\$150.00	\$306.00	\$306.00
169	633	Preemption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$9,852.00	\$9,852.00
170	633	Controller, Misc.: Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	250.00	\$250.00	\$4,178.00	\$4,178.00
171	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	1	EACH	4,000.00	\$4,000.00	\$3,242.00	\$3,242.00
172	653	Topsoil Furnished & Placed, 4" Thick	6685	S.Y.	3.25	\$21,726.25	\$2.00	\$13,370.00
173	653	Topsoil Furnished & Placed, 6" Thick for Infiltration Trench	393	S.Y.	4.00	\$1,572.00	\$3.00	\$1,179.00
174	659	Lawn Seeding and Mulching	7078	S.Y.	1.30	\$9,201.40	\$1.00	\$7,078.00
175	659	Embankment Mulching	3955	S.Y.	0.90	\$3,559.50	\$4.00	\$15,820.00
176	659	Fragrant Sumac, Rhus aromatic, 18" #3 Container	1722	EACH	34.38	\$59,202.36	\$38.00	\$65,436.00
177	659	Winter Honeysuckle, Lonicera fragrantissima, 18" #5 Container	570	EACH	37.25	\$21,232.50	\$232.00	\$132,240.00
178	659	Columnar Golden Rain Tree, Koelreuteria paniculata 'Fastigiata', 2.5" B&B	109	EACH	350.00	\$38,150.00	\$247.00	\$26,923.00
179	659	Columnar Siberian Crabapple, Malus baccata 'Columnaris', 2.5" B&B	88	EACH	350.00	\$30,800.00	\$272.00	\$23,936.00
180	659	Conquest Norway Maple, Acer platanoides 'Conzam' 2.5" B&B	88	EACH	350.00	\$30,800.00	\$263.00	\$23,144.00
181	659	Valley Forge American Elm	21	EACH	350.00	\$7,350.00	\$300.00	\$6,300.00
182	659	Thornless Cockspur Hawthorn	10	EACH	350.00	\$3,500.00	\$304.00	\$3,040.00
183	632	12" Green Led, Lights	10	EACH	175.00	\$1,750.00	\$84.00	\$840.00
184	632	12" Yellow Led, Lights	10	EACH	175.00	\$1,750.00	\$84.00	\$840.00

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating PRICE	7. Wenger Excavating AMOUNT
185	632	Vehicular Signal Head, 3-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	4	EACH	550.00	\$2,200.00	\$509.00	\$2,036.00
186	632	Vehicular Signal Head, 5-Sections, Polycarbonate Yellow, 12" Led Lights, Rigid Mounted	2	EACH	750.00	\$1,500.00	\$876.00	\$1,752.00
187	632	Pedestrian Signal Head, Led Type D2	10	EACH	400.00	\$4,000.00	\$342.00	\$3,420.00
188	633	Controller, Misc.: Battery Backup System Spare Batteries for Model Rpu-105 AHR/AGM	4	EACH	2,500.00	\$10,000.00	\$333.00	\$1,332.00
<b><u>ALTERNATE #1</u></b>								
ALT#1	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per	1	EACH	4,000.00	\$4,000.00	\$7,124.00	\$7,124.00
<b><u>ALTERNATE #2</u></b>								
ALT#2	SPEC	Geogrid (Tensar BX-1200) - Alternate Bid	8800	S.Y.	5.50	\$48,400.00	\$5.25	\$46,200.00
<b><u>ALTERNATE #3</u></b>								
ALT#3	SPEC	Geogrid (Tensar BX-1300) - Alternate Bid	10836	S.Y.	5.50	\$59,598.00	\$6.70	\$72,601.20
<b><u>ALTERNATE #4</u></b>								
ALT#4	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	15,000.00	\$15,000.00	\$24,564.00	\$24,564.00
<b><u>ALTERNATE #5</u></b>								
ALT#5	633	Premption, Emergency, As Per Plan	1	EACH	5,000.00	\$5,000.00	\$10,569.00	\$10,569.00
<b><u>ALTERNATE #6</u></b>								
ALT#5	632	Interconnect Misc.: Splice Enclosure (Under Grade Or Aerial)	1	EACH	525	\$525.00	\$489.00	\$489.00
<b><u>ALTERNATE #7</u></b>								
ALT#7	632	Interconnect Misc.: Termination Panel, Controller Cabinet	1	EACH	1,000.00	\$1,000.00	\$237.00	\$237.00
<b>TOTAL CONSTRUCTION COSTS</b>						\$2,965,165.66		\$2,318,989.86
<b>+/- ENGINEER'S ESTIMATE</b>								<b>-21.8%</b>
<b><u>ALTERNATE #1</u></b>								

BID TAB FOR: Frank Boulevard

FILE NO. 2009-027-00

BID DATE: March 3, 2010

CODE: 41430-P09009

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating PRICE	7. Wenger Excavating AMOUNT
TOTAL CONSTRUCTION COSTS						\$4,000.00		\$7,124.00
+/- ENGINEER'S ESTIMATE								+78.1%
<b><u>ALTERNATE #2</u></b>								
TOTAL CONSTRUCTION COSTS						\$48,400.00		\$46,200.00
+/- ENGINEER'S ESTIMATE								-4.5%
<b><u>ALTERNATE #3</u></b>								
TOTAL CONSTRUCTION COSTS						\$59,598.00		\$72,601.20
+/- ENGINEER'S ESTIMATE								+21.8%
<b><u>ALTERNATE #4</u></b>								
TOTAL CONSTRUCTION COSTS						\$15,000.00		\$24,564.00
+/- ENGINEER'S ESTIMATE								+63.8%
<b><u>ALTERNATE #5</u></b>								
TOTAL CONSTRUCTION COSTS						\$5,000.00		\$10,569.00
+/- ENGINEER'S ESTIMATE								+111.4%
<b><u>ALTERNATE #6</u></b>								
TOTAL CONSTRUCTION COSTS						\$525.00		\$489.00
+/- ENGINEER'S ESTIMATE								-6.9%
<b><u>ALTERNATE #7</u></b>								
TOTAL CONSTRUCTION COSTS						\$1,000.00		\$237.00
+/- ENGINEER'S ESTIMATE								-76.3%

\* Unofficial Construction Cost - incorrect in bid book

\*\* Ref #'s 14 and 176 changed neither initialed nor dated, Ref. #'s 64, 65, 66 and 124, extended amount incorrect in bid book, Unofficial Construction cost incorrect in bid book

\*\*\* Ref. #122 extended amount incorrect in bid book, Unofficial construction cost incorrect in bid book.  
Alt #3 extended amount incorrect in bid book