

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Liberta dba Cioffi		2. Kenmore Construction		3. Karvo Paving Company	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$11,000.00	\$11,000.00	\$25,000.00	\$25,000.00	\$20,000.00	\$20,000.00
2	201	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00	\$100.00	\$100.00	\$500.00	\$500.00	\$100.00	\$100.00
3	201	Trees or Stumps Removed, 18"	21	EACH	\$500.00	\$10,500.00	\$230.00	\$4,830.00	\$250.00	\$5,250.00	\$230.00	\$4,830.00
4	202	Driveway Apron Removed	75	S.F.	\$2.00	\$150.00	\$0.50	\$37.50	\$10.00	\$750.00	\$1.65	\$123.75
5	202	Light Pole Removed	5	EACH	\$500.00	\$2,500.00	\$50.00	\$250.00	\$100.00	\$500.00	\$175.00	\$875.00
6	202	Hydrant Removed	1	EACH	\$350.00	\$350.00	\$25.00	\$25.00	\$250.00	\$250.00	\$200.00	\$200.00
7	202	Valve Removed	4	EACH	\$50.00	\$200.00	\$25.00	\$100.00	\$50.00	\$200.00	\$25.00	\$100.00
8	202	Water Main Abandoned	361	L.F.	\$10.00	\$3,610.00	\$1.00	\$361.00	\$8.00	\$2,888.00	\$1.65	\$595.65
9	202	Pavement Removed	33500	S.Y.	\$8.00	\$268,000.00	\$4.00	\$134,000.00	\$7.50	\$251,250.00	\$4.25	\$142,375.00
10	202	Inlet Removed	38	EACH	\$75.00	\$2,850.00	\$25.00	\$950.00	\$50.00	\$1,900.00	\$180.00	\$6,840.00
11	202	Pipe Abandoned and Filled, 12"	700	L.F.	\$8.00	\$5,600.00	\$3.00	\$2,100.00	\$5.00	\$3,500.00	\$4.20	\$2,940.00
12	203	Aggregate Refill, Type 1 (Limestone)	4800	C.Y.	\$30.00	\$144,000.00	\$33.00	\$158,400.00	\$35.00	\$168,000.00	\$33.00	\$158,400.00
13	203	Excavation Including Embankment Construction	4350	C.Y.	\$10.00	\$43,500.00	\$7.00	\$30,450.00	\$1.00	\$4,350.00	\$19.00	\$82,650.00
14	203	Borrow	500	C.Y.	\$30.00	\$15,000.00	\$1.00	\$500.00	\$1.00	\$500.00	\$0.45	\$225.00
15	252	Trench for Water Services In Earth	25	L.F.	\$10.00	\$250.00	\$14.00	\$350.00	\$20.00	\$500.00	\$30.00	\$750.00
16	258	6" Ductile Iron Pipe	101	L.F.	\$50.00	\$5,050.00	\$45.00	\$4,545.00	\$50.00	\$5,050.00	\$40.00	\$4,040.00
17	258	8" Ductile Iron Pipe	106	L.F.	\$55.00	\$5,830.00	\$44.00	\$4,664.00	\$55.00	\$5,830.00	\$52.00	\$5,512.00
18	258	10" Ductile Iron Pipe	8	L.F.	\$60.00	\$480.00	\$85.00	\$680.00	\$100.00	\$800.00	\$80.00	\$640.00
19	258	12" Ductile Iron Pipe	185	L.F.	\$65.00	\$12,025.00	\$55.00	\$10,175.00	\$65.00	\$12,025.00	\$68.00	\$12,580.00
20	258	6" Gate Valve	4	EACH	\$500.00	\$2,000.00	\$575.00	\$2,300.00	\$600.00	\$2,400.00	\$600.00	\$2,400.00
21	258	8" Gate Valve	1	EACH	\$750.00	\$750.00	\$850.00	\$850.00	\$900.00	\$900.00	\$900.00	\$900.00
22	258	12" Gate Valve	4	EACH	\$850.00	\$3,400.00	\$1,550.00	\$6,200.00	\$1,500.00	\$6,000.00	\$1,600.00	\$6,400.00
23	259	6" 45 Degree Bend	3	EACH	\$50.00	\$150.00	\$145.00	\$435.00	\$200.00	\$600.00	\$150.00	\$450.00
24	259	8" 45 Degree Bend	4	EACH	\$75.00	\$300.00	\$200.00	\$800.00	\$300.00	\$1,200.00	\$200.00	\$800.00
25	259	10" 45 Degree Bend	1	EACH	\$80.00	\$80.00	\$290.00	\$290.00	\$400.00	\$400.00	\$300.00	\$300.00
26	259	12" 45 Degree Bend	11	EACH	\$100.00	\$1,100.00	\$385.00	\$4,235.00	\$500.00	\$5,500.00	\$400.00	\$4,400.00
27	259	6" 90 Degree Bend	1	EACH	\$150.00	\$150.00	\$160.00	\$160.00	\$250.00	\$250.00	\$170.00	\$170.00
28	259	12" 90 Degree Bend	1	EACH	\$200.00	\$200.00	\$450.00	\$450.00	\$500.00	\$500.00	\$450.00	\$450.00
29	259	6" Solid Sleeve	1	EACH	\$125.00	\$125.00	\$150.00	\$150.00	\$200.00	\$200.00	\$150.00	\$150.00
30	259	12" Solid Sleeve	2	EACH	\$200.00	\$400.00	\$380.00	\$760.00	\$400.00	\$800.00	\$400.00	\$800.00
31	259	12" x 6" Reducer	1	EACH	\$300.00	\$300.00	\$185.00	\$185.00	\$250.00	\$250.00	\$190.00	\$190.00
32	259	12" x 8" Reducer	1	EACH	\$350.00	\$350.00	\$185.00	\$185.00	\$300.00	\$300.00	\$192.00	\$192.00
33	259	12" x 10" Reducer	1	EACH	\$400.00	\$400.00	\$230.00	\$230.00	\$300.00	\$300.00	\$240.00	\$240.00
34	259	8" x 6" Tee	1	EACH	\$300.00	\$300.00	\$280.00	\$280.00	\$400.00	\$400.00	\$290.00	\$290.00
35	259	12" x 6" Tee	1	EACH	\$300.00	\$300.00	\$436.00	\$436.00	\$550.00	\$550.00	\$450.00	\$450.00
36	259	24" x 6" Tee	1	EACH	\$350.00	\$350.00	\$1,950.00	\$1,950.00	\$5,000.00	\$5,000.00	\$2,000.00	\$2,000.00
37	259	12" x 12" x 12" Tee	2	EACH	\$350.00	\$700.00	\$635.00	\$1,270.00	\$450.00	\$900.00	\$650.00	\$1,300.00
38	259	12" 11.25 Degree Bend	1	EACH	\$300.00	\$300.00	\$350.00	\$350.00	\$350.00	\$350.00	\$370.00	\$370.00
39	259	12" 22.5 Degree Bend	1	EACH	\$300.00	\$300.00	\$370.00	\$370.00	\$400.00	\$400.00	\$390.00	\$390.00
40	260	6" Hydrant Assembly	4	EACH	\$2,100.00	\$8,400.00	\$2,075.00	\$8,300.00	\$2,000.00	\$8,000.00	\$2,400.00	\$9,600.00
41	263	Tying into Existing 6" Main	1	EACH	\$600.00	\$600.00	\$600.00	\$600.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00
42	263	Tying into Existing 8" Main	1	EACH	\$600.00	\$600.00	\$600.00	\$600.00	\$500.00	\$500.00	\$1,100.00	\$1,100.00
43	263	Tying into Existing 10" Main	1	EACH	\$600.00	\$600.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$1,700.00	\$1,700.00
44	263	Tying into Existing 12" Main	3	EACH	\$700.00	\$2,100.00	\$600.00	\$1,800.00	\$1,000.00	\$3,000.00	\$1,700.00	\$5,100.00
45	265	Water Main Valve Boxes Adjusted	27	EACH	\$50.00	\$1,350.00	\$25.00	\$675.00	\$50.00	\$1,350.00	\$100.00	\$2,700.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
46	301	7 3/4" Bituminous Aggregate Base	6000	C.Y.	\$85.00	\$510,000.00	\$92.00	\$552,000.00	\$82.00	\$492,000.00	\$98.00	\$588,000.00
47	407	Tack Coat	5650	GAL.	\$2.00	\$11,300.00	\$1.90	\$10,735.00	\$2.00	\$11,300.00	\$2.00	\$11,300.00
48	446	Asphalt Concrete Intermediate Course, 2 3/4"	2200	C.Y.	\$105.00	\$231,000.00	\$102.00	\$224,400.00	\$100.00	\$220,000.00	\$120.00	\$264,000.00
49	446	Asphalt Concrete Surface Course, 1 1/2"	1200	C.Y.	\$120.00	\$144,000.00	\$131.00	\$157,200.00	\$135.00	\$162,000.00	\$164.00	\$196,800.00
50	453	8 inch Reinforced Concrete Approach Slab, As Per Plan	180	S.Y.	\$100.00	\$18,000.00	\$75.00	\$13,500.00	\$100.00	\$18,000.00	\$110.00	\$19,800.00
51	455	Concrete Combined Curb and Gutter	50	L.F.	\$13.50	\$675.00	\$25.00	\$1,250.00	\$20.00	\$1,000.00	\$18.00	\$900.00
52	455	6"x18" Concrete Curb	12750	L.F.	\$13.00	\$165,750.00	\$8.00	\$102,000.00	\$12.00	\$153,000.00	\$8.00	\$102,000.00
53	456	Concrete Walk, 4" Thick	43500	S.F.	\$4.25	\$184,875.00	\$3.75	\$163,125.00	\$4.25	\$184,875.00	\$2.60	\$113,100.00
54	456	Concrete Walk, 6" Thick	19500	S.F.	\$4.50	\$87,750.00	\$3.90	\$76,050.00	\$4.50	\$87,750.00	\$3.25	\$63,375.00
55	456	Concrete Aprons	12600	S.F.	\$4.50	\$56,700.00	\$3.90	\$49,140.00	\$4.50	\$56,700.00	\$3.25	\$40,950.00
56	456	Curb Ramps	32	EACH	\$250.00	\$8,000.00	\$150.00	\$4,800.00	\$200.00	\$6,400.00	\$200.00	\$6,400.00
57	509	Reinforcing Steel	500	POUND	\$5.00	\$2,500.00	\$1.00	\$500.00	\$0.50	\$250.00	\$2.25	\$1,125.00
58	510	Dowell Holes	75	L.F.	\$40.00	\$3,000.00	\$1.00	\$75.00	\$5.00	\$375.00	\$9.50	\$712.50
59	553	12" Inlet Connections	800	L.F.	\$50.00	\$40,000.00	\$45.00	\$36,000.00	\$40.00	\$32,000.00	\$55.00	\$44,000.00
60	556	House Drain Pipe, Complete, 711.29	270	EACH	\$25.00	\$6,750.00	\$35.00	\$9,450.00	\$1.00	\$270.00	\$32.00	\$8,640.00
61	556	House Drain Pipe, Type "A", 711.29	200	L.F.	\$3.00	\$600.00	\$0.10	\$20.00	\$1.00	\$200.00	\$3.00	\$600.00
62	562	Brick Manhole Adjusted	52	EACH	\$250.00	\$13,000.00	\$200.00	\$10,400.00	\$250.00	\$13,000.00	\$300.00	\$15,600.00
63	562	Brick Manhole Rebuilt	10	L.F.	\$150.00	\$1,500.00	\$100.00	\$1,000.00	\$250.00	\$2,500.00	\$325.00	\$3,250.00
64	562	Manhole 2A on 12" Storm Sewer	1	EACH	\$2,500.00	\$2,500.00	\$1,800.00	\$1,800.00	\$2,000.00	\$2,000.00	\$2,600.00	\$2,600.00
65	563	Inlet Reconstructed (Modified No. 3)	11	EACH	\$1,100.00	\$12,100.00	\$900.00	\$9,900.00	\$1,400.00	\$15,400.00	\$1,000.00	\$11,000.00
66	563	Modified No. 3 Inlet	1	EACH	\$1,300.00	\$1,300.00	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,400.00	\$1,400.00
67	563	No. 5 Inlet	15	EACH	\$1,300.00	\$19,500.00	\$1,050.00	\$15,750.00	\$1,000.00	\$15,000.00	\$1,200.00	\$18,000.00
68	563	Modified No. 5 Inlet	20	EACH	\$1,300.00	\$26,000.00	\$1,050.00	\$21,000.00	\$1,000.00	\$20,000.00	\$1,200.00	\$24,000.00
69	563	Double No. 5 Inlet	3	EACH	\$1,900.00	\$5,700.00	\$1,500.00	\$4,500.00	\$2,000.00	\$6,000.00	\$1,700.00	\$5,100.00
70	564	4" Pipe Underdrains, 707.15	12750	L.F.	\$4.50	\$57,375.00	\$3.00	\$38,250.00	\$4.50	\$57,375.00	\$3.75	\$47,812.50
71	602	Concrete Masonry	5	C.Y.	\$200.00	\$1,000.00	\$300.00	\$1,500.00	\$500.00	\$2,500.00	\$130.00	\$650.00
72	613	Uniformed Law Enforcement Officer	240	Hr.	\$25.00	\$6,000.00	\$25.00	\$6,000.00	\$25.00	\$6,000.00	\$25.00	\$6,000.00
73	614	Maintaining Traffic American Recovery and Reinvestment Act (ARRA)	1	L.S.	\$30,000.00	\$30,000.00	\$30,205.00	\$30,205.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00
74	614	Sign, Conventional Road, As Per Plan (ODOT Spec)	2	EACH	\$1,200.00	\$2,400.00	\$1,200.00	\$2,400.00	\$1,000.00	\$2,000.00	\$1,200.00	\$2,400.00
75	616	Calcium Chloride	5	TONS	\$75.00	\$375.00	\$1.00	\$5.00	\$1.00	\$5.00	\$10.00	\$50.00
76	619	Field Office	1	L.S.	\$10,000.00	\$10,000.00	\$2,100.00	\$2,100.00	\$1,500.00	\$1,500.00	\$16,000.00	\$16,000.00
77	622	Monument Boxes	19	EACH	\$250.00	\$4,750.00	\$350.00	\$6,650.00	\$500.00	\$9,500.00	\$300.00	\$5,700.00
78	623	Construction Layout Stakes	1	L.S.	\$15,000.00	\$15,000.00	\$11,000.00	\$11,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00
79	624	Mobilization	1	L.S.	\$30,000.00	\$30,000.00	\$42,373.00	\$42,373.00	\$5,000.00	\$5,000.00	\$20,000.00	\$20,000.00
80	625	Pullbox, Polymer Concrete, 18"x24"x18"	3	EACH	\$600.00	\$1,800.00	\$508.00	\$1,524.00	\$475.00	\$1,425.00	\$508.00	\$1,524.00
81	625	Trench, As Per Plan	6840	L.F.	\$4.50	\$30,780.00	\$2.30	\$15,732.00	\$4.50	\$30,780.00	\$4.40	\$30,096.00
82	625	Conduit, Schedule 80, PVC, 2" (Lighting)	500	L.F.	\$6.00	\$3,000.00	\$1.75	\$875.00	\$4.00	\$2,000.00	\$2.64	\$1,320.00
83	625	Conduit, Schedule 40, PVC, 2"	6400	L.F.	\$3.00	\$19,200.00	\$1.25	\$8,000.00	\$1.80	\$11,520.00	\$2.05	\$13,120.00
84	625	Conduit, Schedule 40, PVC, 3"	700	L.F.	\$3.25	\$2,275.00	\$1.75	\$1,225.00	\$2.50	\$1,750.00	\$3.15	\$2,205.00
85	625	Ground Rod	17	EACH	\$150.00	\$2,550.00	\$119.00	\$2,023.00	\$95.00	\$1,615.00	\$119.00	\$2,023.00
86	625	Luminaire, 250 Watt HPS Cobra	3	EACH	\$500.00	\$1,500.00	\$294.50	\$883.50	\$275.00	\$825.00	\$294.50	\$883.50
87	625	Bracket Arm, 16	3	EACH	\$3,200.00	\$9,600.00	\$768.25	\$2,304.75	\$650.00	\$1,950.00	\$769.00	\$2,307.00
88	625	Connector Kit, Type II	3	EACH	\$100.00	\$300.00	\$67.35	\$202.05	\$50.00	\$150.00	\$68.00	\$204.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
89	625	No. 10 AWG, Pole and Bracket Cable	300	L.F.	\$1.00	\$300.00	\$1.00	\$300.00	\$1.00	\$300.00	\$1.00	\$300.00
90	625	No. 4 AWG, 600 Volt Distribution Cable	1500	L.F.	\$2.50	\$3,750.00	\$2.23	\$3,345.00	\$2.00	\$3,000.00	\$2.23	\$3,345.00
91	630	Ground Mounted Supports, Type 3 Post	120	L.F.	\$7.00	\$840.00	\$6.50	\$780.00	\$5.00	\$600.00	\$6.50	\$780.00
92	630	Traffic Sign Removed	25	EACH	\$25.00	\$625.00	\$22.50	\$562.50	\$10.00	\$250.00	\$22.50	\$562.50
93	630	Traffic Sign - Type A	45	EACH	\$75.00	\$3,375.00	\$60.00	\$2,700.00	\$70.00	\$3,150.00	\$60.00	\$2,700.00
94	630	Traffic Sign - Type B	45	EACH	\$100.00	\$4,500.00	\$75.00	\$3,375.00	\$120.00	\$5,400.00	\$75.00	\$3,375.00
95	630	Sign Hanger Assembly (Mast Arm)	22	EACH	\$200.00	\$4,400.00	\$270.00	\$5,940.00	\$240.00	\$5,280.00	\$270.00	\$5,940.00
96	630	Sign, Flat Sheet, Type G	331	S.F.	\$25.00	\$8,275.00	\$13.50	\$4,468.50	\$14.00	\$4,634.00	\$13.50	\$4,468.50
97	632	Pullbox, Polymer Concrete, 24"x36"x24"	28	EACH	\$825.00	\$23,100.00	\$643.00	\$18,004.00	\$580.00	\$16,240.00	\$643.00	\$18,004.00
98	632	Pullbox, Polymer Concrete, 30"x48"x24"	3	EACH	\$1,050.00	\$3,150.00	\$829.50	\$2,488.50	\$800.00	\$2,400.00	\$830.00	\$2,490.00
99	632	Conduit Riser, 2", Schedule 80 PVC	6	EACH	\$400.00	\$2,400.00	\$312.00	\$1,872.00	\$280.00	\$1,680.00	\$312.00	\$1,872.00
100	632	Removal of Traffic Signal Installation	2	EACH	\$500.00	\$1,000.00	\$1,470.00	\$2,940.00	\$1,300.00	\$2,600.00	\$1,470.00	\$2,940.00
101	632	Interconnect Misc., Fiber Optic Cable Testing	1	L.S.	\$1,200.00	\$1,200.00	\$632.50	\$632.50	\$600.00	\$600.00	\$633.00	\$633.00
102	632	Interconnect Misc., Slack Installation	7	EACH	\$280.00	\$1,960.00	\$520.00	\$3,640.00	\$400.00	\$2,800.00	\$520.00	\$3,640.00
103	632	Interconnect Misc., Splice Enclosure (Aerial or	5	EACH	\$475.00	\$2,375.00	\$607.50	\$3,037.50	\$400.00	\$2,000.00	\$608.00	\$3,040.00
104	632	Interconnect Misc., Fiber Optic Connector	10	EACH	\$32.00	\$320.00	\$26.25	\$262.50	\$25.00	\$250.00	\$26.25	\$262.50
105	632	Interconnect Misc., Drop Cable, 6 Fiber	150	L.F.	\$2.00	\$300.00	\$0.75	\$112.50	\$1.00	\$150.00	\$0.75	\$112.50
106	632	Interconnect Misc., Fan Out Kit, 6 Fiber	3	EACH	\$40.00	\$120.00	\$44.50	\$133.50	\$50.00	\$150.00	\$44.50	\$133.50
107	632	Interconnect Misc., Fusion Splices	40	EACH	\$30.00	\$1,200.00	\$15.75	\$630.00	\$12.00	\$480.00	\$15.75	\$630.00
108	632	Interconnect Misc., Terminal Panel, Controller	3	EACH	\$275.00	\$825.00	\$169.00	\$507.00	\$100.00	\$300.00	\$169.00	\$507.00
109	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	3	EACH	\$80.00	\$240.00	\$86.10	\$258.30	\$75.00	\$225.00	\$87.00	\$261.00
110	632	Interconnect Misc., 24 Count Fiber	7500	L.F.	\$2.25	\$16,875.00	\$2.10	\$15,750.00	\$1.90	\$14,250.00	\$2.10	\$15,750.00
111	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	18	EACH	\$650.00	\$11,700.00	\$732.50	\$13,185.00	\$700.00	\$12,600.00	\$732.50	\$13,185.00
112	632	Vehicular Signal Head, LED, 5-Section, 12 inch Lens	10	EACH	\$1,050.00	\$10,500.00	\$1,070.00	\$10,700.00	\$1,000.00	\$10,000.00	\$1,070.00	\$10,700.00
113	632	Pedestrian Signal Head, LED, Type D2 Countdown	20	EACH	\$550.00	\$11,000.00	\$513.75	\$10,275.00	\$450.00	\$9,000.00	\$514.00	\$10,280.00
114	632	Pedestrian Pushbutton, As Per Plan	20	EACH	\$160.00	\$3,200.00	\$135.75	\$2,715.00	\$100.00	\$2,000.00	\$136.00	\$2,720.00
115	632	Pedestal, 8 feet	4	EACH	\$500.00	\$2,000.00	\$560.00	\$2,240.00	\$500.00	\$2,000.00	\$560.00	\$2,240.00
116	632	Pedestal Foundation	4	EACH	\$500.00	\$2,000.00	\$522.00	\$2,088.00	\$450.00	\$1,800.00	\$522.00	\$2,088.00
117	632	Signal Support Foundation	9	EACH	\$2,200.00	\$19,800.00	\$2,080.00	\$18,720.00	\$1,500.00	\$13,500.00	\$2,080.00	\$18,720.00
118	632	Signal Support, Type TC-81.21, Design 3	3	EACH	\$6,000.00	\$18,000.00	\$4,720.50	\$14,161.50	\$4,200.00	\$12,600.00	\$4,721.00	\$14,163.00
119	632	Signal Support, Type TC-81.21, Design 12	1	EACH	\$8,000.00	\$8,000.00	\$7,229.50	\$7,229.50	\$6,700.00	\$6,700.00	\$7,230.00	\$7,230.00
120	632	Signal Support, Type TC-81.21, Design12 with Design 2 and Design 3 Arms	1	EACH	\$8,500.00	\$8,500.00	\$8,152.50	\$8,152.50	\$7,500.00	\$7,500.00	\$6,153.00	\$6,153.00
121	632	Combination Signal Support, Type TC-81.21, Design 12 with Design 11 and Design 1 Arms	1	EACH	\$8,500.00	\$8,500.00	\$9,898.50	\$9,898.50	\$9,000.00	\$9,000.00	\$9,899.00	\$9,899.00
122	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 1 Arms	2	EACH	\$8,500.00	\$17,000.00	\$7,654.00	\$15,308.00	\$7,200.00	\$14,400.00	\$7,654.00	\$15,308.00
123	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded	5300	L.F.	\$2.00	\$10,600.00	\$1.70	\$9,010.00	\$1.50	\$7,950.00	\$1.70	\$9,010.00
124	632	Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	270	L.F.	\$2.45	\$661.50	\$2.90	\$783.00	\$2.50	\$675.00	\$2.90	\$783.00
125	632	Covering of Vehicular Signal Head	28	EACH	\$10.00	\$280.00	\$32.00	\$896.00	\$25.00	\$700.00	\$32.00	\$896.00
126	632	Covering of Pedestrian Signal Head	20	EACH	\$10.00	\$200.00	\$25.50	\$510.00	\$20.00	\$400.00	\$25.50	\$510.00

BID TAB FOR: Hilbish Avenue Pavement

FILE NO. 2009-020-00

BID DATE: February 4, 2010

CODE: 41430.P09011

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Liberta dba Cioffi		2. Kenmore Construction		3. Karvo Paving Company	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
127	632	Power Service	3	EACH	\$1,200.00	\$3,600.00	\$1,038.50	\$3,115.50	\$900.00	\$2,700.00	\$1,040.00	\$3,120.00
128	632	Signalization Misc., Video Detection System, As Per Plan	12	EACH	\$5,000.00	\$60,000.00	\$4,602.50	\$55,230.00	\$4,600.00	\$55,200.00	\$4,603.00	\$55,236.00
129	633	Controller Unit, Type ASC3-21 with Cabinet Type TS2	3	EACH	\$15,750.00	\$47,250.00	\$12,750.00	\$38,250.00	\$11,500.00	\$34,500.00	\$12,750.00	\$38,250.00
130	633	Cabinet Foundation	3	EACH	\$1,250.00	\$3,750.00	\$1,080.00	\$3,240.00	\$900.00	\$2,700.00	\$1,080.00	\$3,240.00
131	633	Controller Misc., Pre-emption Priority Control	3	EACH	\$8,000.00	\$24,000.00	\$5,551.25	\$16,653.75	\$5,500.00	\$16,500.00	\$5,552.00	\$16,656.00
132	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	3	EACH	\$2,500.00	\$7,500.00	\$2,334.25	\$7,002.75	\$2,000.00	\$6,000.00	\$2,335.00	\$7,005.00
133	633	Testing and Certification of Malfunction Management Unit	3	EACH	\$400.00	\$1,200.00	\$78.75	\$236.25	\$75.00	\$225.00	\$79.00	\$237.00
134	633	Signalization Miscellaneous Equipment, As Per Plan	1	Allow.	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
135	633	Controller Misc., ICONS Expansion, As Per Plan	1	L.S.	\$25,000.00	\$25,000.00	\$27,930.00	\$27,930.00	\$25,000.00	\$25,000.00	\$27,930.00	\$27,930.00
136	645	Transverse Line, Type A3 (ODOT Spec)	66	L.F.	\$12.00	\$792.00	\$17.00	\$1,122.00	\$12.00	\$792.00	\$17.00	\$1,122.00
137	645	Crosswalk Line, Type A3 (ODOT Spec)	1458	L.F.	\$8.00	\$11,664.00	\$6.60	\$9,622.80	\$6.00	\$8,748.00	\$6.60	\$9,622.80
138	645	Stop Line, Type A3 (ODOT Spec)	476	L.F.	\$15.00	\$7,140.00	\$15.20	\$7,235.20	\$12.00	\$5,712.00	\$15.20	\$7,235.20
139	645	Channelizing Line, Type A3 (ODOT Spec)	1120	L.F.	\$7.20	\$8,064.00	\$7.25	\$8,120.00	\$4.00	\$4,480.00	\$7.25	\$8,120.00
140	645	Center Line, Broken Double, Type A3 (ODOT Spec)	2	MILE	\$20,000.00	\$40,000.00	\$7,500.00	\$15,000.00	\$13,000.00	\$26,000.00	\$7,500.00	\$15,000.00
141	645	Center Line, Solid Double, Type A3 (ODOT Spec)	0.32	MILE	\$30,000.00	\$9,600.00	\$22,500.00	\$7,200.00	\$20,000.00	\$6,400.00	\$22,500.00	\$7,200.00
142	645	Lane Line, Type A3 (ODOT Spec)	0.134	MILE	\$10,000.00	\$1,340.00	\$4,000.00	\$536.00	\$3,000.00	\$402.00	\$3,881.00	\$520.05
143	645	Lane Arrow, Type A3 (ODOT Spec)	71	EACH	\$300.00	\$21,300.00	\$289.00	\$20,519.00	\$175.00	\$12,425.00	\$289.00	\$20,519.00
144	653	Topsoil Furnished and Placed, 4" Thick	6500	S.Y.	\$3.00	\$19,500.00	\$1.75	\$11,375.00	\$3.00	\$19,500.00	\$3.35	\$21,775.00
145	654	Seeding and Renovating Existing Soil	100	S.Y.	\$3.00	\$300.00	\$0.93	\$93.00	\$3.00	\$300.00	\$3.00	\$300.00
146	659	Lawn Seeding and Mulching	6500	S.Y.	\$3.50	\$22,750.00	\$0.78	\$5,070.00	\$0.70	\$4,550.00	\$0.80	\$5,200.00
147	668	Seeding and Excelsior Matting	1700	S.Y.	\$4.00	\$6,800.00	\$1.95	\$3,315.00	\$1.70	\$2,890.00	\$1.75	\$2,975.00
148	668	Tree Planting in Lawn Area	167	EACH	\$375.00	\$62,625.00	\$251.00	\$41,917.00	\$200.00	\$33,400.00	\$260.00	\$43,420.00
149	669	Protecting Trees	1	L.S.	\$2,000.00	\$2,000.00	\$20.00	\$20.00	\$150.00	\$150.00	\$586.00	\$586.00
150	832	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	\$6,500.00	\$6,500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00	\$10,000.00	\$10,000.00
151	832	Erosion Control (ODOT Spec)	45000	EACH	\$1.00	\$45,000.00	\$1.00	\$45,000.00	\$1.00	\$45,000.00	\$1.00	\$45,000.00
152	835	Exfiltration Trench, Type C (ODOT Spec)	108	L.F.	\$90.00	\$9,720.00	\$3.00	\$324.00	\$65.00	\$7,020.00	\$111.00	\$11,988.00
153	SPEC	Street Light Pole - Complete in Place	4	EACH	\$5,000.00	\$20,000.00	\$2,094.00	\$8,376.00	\$1,800.00	\$7,200.00	\$2,094.00	\$8,376.00
154	SPEC	Bridge Scupper Cleaning, As Per Plan	4	EACH	\$100.00	\$400.00	\$25.00	\$100.00	\$250.00	\$1,000.00	\$85.00	\$340.00
Springfield Ctr. - (Signal Items Only)												
155	625	Trench, As Per Plan	217	L.F.	\$4.50	\$976.50	\$2.30	\$499.10	\$4.50	\$976.50	\$4.40	\$954.80
156	625	Conduit, Schedule 40, PVC, 2"	86	L.F.	\$3.00	\$258.00	\$2.05	\$176.30	\$2.00	\$172.00	\$2.05	\$176.30
157	625	Conduit, Schedule 40, PVC, 3"	222	L.F.	\$3.25	\$721.50	\$3.15	\$699.30	\$2.50	\$555.00	\$3.15	\$699.30
158	625	Ground Rod	4	EACH	\$150.00	\$600.00	\$119.00	\$476.00	\$95.00	\$380.00	\$119.00	\$476.00
159	630	Sign Hanger Assembly (Mast Arm)	6	EACH	\$200.00	\$1,200.00	\$245.00	\$1,470.00	\$280.00	\$1,680.00	\$313.00	\$1,878.00
160	630	Sign, Flat Sheet, Type G	83.4	S.F.	\$25.00	\$2,085.00	\$14.00	\$1,167.60	\$15.00	\$1,251.00	\$38.65	\$3,223.41
161	632	Pullbox, Polymer Concrete, 24"x36"x24"	3	EACH	\$825.00	\$2,475.00	\$643.50	\$1,930.50	\$580.00	\$1,740.00	\$643.50	\$1,930.50
162	632	Pullbox, Polymer Concrete, 30"x48"x24"	1	EACH	\$1,050.00	\$1,050.00	\$829.50	\$829.50	\$800.00	\$800.00	\$829.50	\$829.50
163	632	Conduit Riser, 2", Schedule 80 PVC	4	EACH	\$400.00	\$1,600.00	\$312.00	\$1,248.00	\$280.00	\$1,120.00	\$312.00	\$1,248.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. Liberta dba Cioffi		2. Kenmore Construction		3. Karvo Paving Company	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
164	632	Removal of Traffic Signal Installation	1	EACH	\$500.00	\$500.00	\$1,470.00	\$1,470.00	\$1,300.00	\$1,300.00	\$1,470.00	\$1,470.00
165	632	Interconnect Misc., Slack Installation	1	EACH	\$280.00	\$280.00	\$520.00	\$520.00	\$600.00	\$600.00	\$520.00	\$520.00
166	632	Interconnect Misc., Splice Enclosure (Aerial or Underground)	1	EACH	\$475.00	\$475.00	\$607.75	\$607.75	\$400.00	\$400.00	\$608.00	\$608.00
167	632	Interconnect Misc., Fiber Optic Connector	4	EACH	\$32.00	\$128.00	\$411.50	\$1,646.00	\$600.00	\$2,400.00	\$412.00	\$1,648.00
168	632	Interconnect Misc., Drop Cable, 6 Fiber	50	L.F.	\$2.00	\$100.00	\$0.75	\$37.50	\$1.00	\$50.00	\$0.75	\$37.50
169	632	Interconnect Misc., Fan Out Kit, 6 Fiber	1	EACH	\$40.00	\$40.00	\$44.50	\$44.50	\$50.00	\$50.00	\$44.50	\$44.50
170	632	Interconnect Misc., Fusion Splices	4	EACH	\$30.00	\$120.00	\$261.50	\$1,046.00	\$50.00	\$200.00	\$261.50	\$1,046.00
171	632	Interconnect Misc., Terminal Panel, Controller	1	EACH	\$275.00	\$275.00	\$169.00	\$169.00	\$100.00	\$100.00	\$169.00	\$169.00
172	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	1	EACH	\$80.00	\$80.00	\$80.75	\$80.75	\$75.00	\$75.00	\$80.75	\$80.75
173	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	12	EACH	\$650.00	\$7,800.00	\$732.50	\$8,790.00	\$700.00	\$8,400.00	\$732.50	\$8,790.00
174	632	Pedestrian Signal Head, LED, Type D2 Countdown	8	EACH	\$550.00	\$4,400.00	\$513.75	\$4,110.00	\$400.00	\$3,200.00	\$513.75	\$4,110.00
175	632	Pedestrian Pushbutton, As Per Plan	8	EACH	\$160.00	\$1,280.00	\$138.50	\$1,108.00	\$100.00	\$800.00	\$138.50	\$1,108.00
176	632	Pedestal, 8 feet	2	EACH	\$500.00	\$1,000.00	\$581.25	\$1,162.50	\$500.00	\$1,000.00	\$581.25	\$1,162.50
177	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$522.00	\$1,044.00	\$500.00	\$1,000.00	\$522.00	\$1,044.00
178	632	Signal Support Foundation	2	EACH	\$2,200.00	\$4,400.00	\$2,080.00	\$4,160.00	\$1,600.00	\$3,200.00	\$2,080.00	\$4,160.00
179	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 3 Arms	2	EACH	\$8,500.00	\$17,000.00	\$7,853.25	\$15,706.50	\$7,100.00	\$14,200.00	\$7,855.00	\$15,710.00
180	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	1888	L.F.	\$2.00	\$3,776.00	\$1.70	\$3,209.60	\$1.50	\$2,832.00	\$1.70	\$3,209.60
181	632	Covering of Vehicular Signal Head	12	EACH	\$10.00	\$120.00	\$32.00	\$384.00	\$25.00	\$300.00	\$32.00	\$384.00
182	632	Covering of Pedestrian Signal Head	8	EACH	\$10.00	\$80.00	\$25.50	\$204.00	\$20.00	\$160.00	\$25.50	\$204.00
183	632	Power Service	1	EACH	\$1,200.00	\$1,200.00	\$1,038.50	\$1,038.50	\$900.00	\$900.00	\$1,038.50	\$1,038.50
184	632	Signalization Miscellaneous, Video Detection System, As Per Plan	4	EACH	\$5,000.00	\$20,000.00	\$4,683.75	\$18,735.00	\$4,600.00	\$18,400.00	\$4,683.75	\$18,735.00
185	632	Controller Unit, Type ASC3-21 with Cabinet Type TS2	1	EACH	\$15,750.00	\$15,750.00	\$12,750.00	\$12,750.00	\$12,000.00	\$12,000.00	\$12,750.00	\$12,750.00
186	633	Cabinet Foundation	1	EACH	\$1,250.00	\$1,250.00	\$1,080.00	\$1,080.00	\$950.00	\$950.00	\$1,080.00	\$1,080.00
187	633	Controller Misc., Pre-emption Priority Control	1	EACH	\$8,000.00	\$8,000.00	\$5,486.25	\$5,486.25	\$5,500.00	\$5,500.00	\$5,490.00	\$5,490.00
188	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	\$2,500.00	\$2,500.00	\$2,269.25	\$2,269.25	\$2,000.00	\$2,000.00	\$2,270.00	\$2,270.00
189	633	Testing and Certification of Malfunction Management Unit	1	EACH	\$400.00	\$400.00	\$82.50	\$82.50	\$75.00	\$75.00	\$82.50	\$82.50
190	633	Unit	1	EACH	\$400.00	\$400.00	\$82.50	\$82.50	\$75.00	\$75.00	\$82.50	\$82.50

ALTERNATE #1

Alt. #1	632	Signalization Miscellaneous, Video Detection System, As Per Plan - Alternate Bid	16	Each	\$5,000.00	\$80,000.00	\$4,683.75	\$74,940.00	\$4,600.00	\$73,600.00	\$4,700.00	\$75,200.00
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ALTERNATE #2

Alt. #2	633	Controller Misc., Pre-emption Priority Control - Alternate Bid	4	Each	\$8,000.00	\$32,000.00	\$5,551.25	\$22,205.00	\$5,500.00	\$22,000.00	\$5,600.00	\$22,400.00
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BID TAB FOR: Hilbish Avenue Pavement

FILE NO. 2009-020-00

BID DATE: February 4, 2010

CODE: 41430.P09011

REF. ITEM NO.	NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*1. Liberta dba Cioffi PRICE	*1. Liberta dba Cioffi AMOUNT	2. Kenmore Construction PRICE	2. Kenmore Construction AMOUNT	3. Karvo Paving Company PRICE	3. Karvo Paving Company AMOUNT
TOTAL CONSTRUCTION COSTS						\$3,158,775.70		\$2,682,555.45		\$2,824,547.70		\$2,892,015.31
+/- ENGINEER'S ESTIMATE								-15.1%		-10.6%		-8.4%
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS						\$80,000.00		\$74,940.00		\$73,600.00		\$75,200.00
+/- ENGINEER'S ESTIMATE								-6.3%		-8.0%		-6.0%
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS						\$32,000.00		\$22,205.00		\$22,000.00		\$22,400.00
+/- ENGINEER'S ESTIMATE								-30.6%		-31.3%		-30.0%

* Ref.#'s 160 and 170 correction neither initialed nor dated

** Ref #133 correction neither initialed nor dated

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Shelly & Sands Inc.		5. Lockhart Concrete Co.		**6. Central Allied Enterprises	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$18,000.00	\$18,000.00	\$106,000.00	\$106,000.00	\$45,000.00	\$45,000.00
2	201	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00	\$500.00	\$500.00	\$10,600.00	\$10,600.00	\$10,000.00	\$10,000.00
3	201	Trees or Stumps Removed, 18"	21	EACH	\$500.00	\$10,500.00	\$325.00	\$6,825.00	\$200.00	\$4,200.00	\$540.00	\$11,340.00
4	202	Driveway Apron Removed	75	S.F.	\$2.00	\$150.00	\$2.50	\$187.50	\$1.00	\$75.00	\$1.45	\$108.75
5	202	Light Pole Removed	5	EACH	\$500.00	\$2,500.00	\$180.00	\$900.00	\$100.00	\$500.00	\$440.00	\$2,200.00
6	202	Hydrant Removed	1	EACH	\$350.00	\$350.00	\$650.00	\$650.00	\$500.00	\$500.00	\$765.00	\$765.00
7	202	Valve Removed	4	EACH	\$50.00	\$200.00	\$650.00	\$2,600.00	\$20.00	\$80.00	\$115.00	\$460.00
8	202	Water Main Abandoned	361	L.F.	\$10.00	\$3,610.00	\$8.00	\$2,888.00	\$1.00	\$361.00	\$5.30	\$1,913.30
9	202	Pavement Removed	33500	S.Y.	\$8.00	\$268,000.00	\$2.50	\$83,750.00	\$5.30	\$177,550.00	\$10.50	\$351,750.00
10	202	Inlet Removed	38	EACH	\$75.00	\$2,850.00	\$300.00	\$11,400.00	\$50.00	\$1,900.00	\$140.00	\$5,320.00
11	202	Pipe Abandoned and Filled, 12"	700	L.F.	\$8.00	\$5,600.00	\$16.00	\$11,200.00	\$1.00	\$700.00	\$7.00	\$4,900.00
12	203	Aggregate Refill, Type 1 (Limestone)	4800	C.Y.	\$30.00	\$144,000.00	\$40.00	\$192,000.00	\$32.00	\$153,600.00	\$22.20	\$106,560.00
13	203	Excavation Including Embankment Construction	4350	C.Y.	\$10.00	\$43,500.00	\$10.00	\$43,500.00	\$10.60	\$46,110.00	\$11.65	\$50,677.50
14	203	Borrow	500	C.Y.	\$30.00	\$15,000.00	\$6.00	\$3,000.00	\$10.60	\$5,300.00	\$9.00	\$4,500.00
15	252	Trench for Water Services In Earth	25	L.F.	\$10.00	\$250.00	\$22.00	\$550.00	\$10.00	\$250.00	\$30.00	\$750.00
16	258	6" Ductile Iron Pipe	101	L.F.	\$50.00	\$5,050.00	\$55.00	\$5,555.00	\$45.00	\$4,545.00	\$58.45	\$5,903.45
17	258	8" Ductile Iron Pipe	106	L.F.	\$55.00	\$5,830.00	\$60.00	\$6,360.00	\$50.00	\$5,300.00	\$64.20	\$6,805.20
18	258	10" Ductile Iron Pipe	8	L.F.	\$60.00	\$480.00	\$100.00	\$800.00	\$60.00	\$480.00	\$188.00	\$1,504.00
19	258	12" Ductile Iron Pipe	185	L.F.	\$65.00	\$12,025.00	\$90.00	\$16,650.00	\$70.00	\$12,950.00	\$80.00	\$14,800.00
20	258	6" Gate Valve	4	EACH	\$500.00	\$2,000.00	\$850.00	\$3,400.00	\$650.00	\$2,600.00	\$865.00	\$3,460.00
21	258	8" Gate Valve	1	EACH	\$750.00	\$750.00	\$2,700.00	\$2,700.00	\$900.00	\$900.00	\$1,215.00	\$1,215.00
22	258	12" Gate Valve	4	EACH	\$850.00	\$3,400.00	\$4,750.00	\$19,000.00	\$1,550.00	\$6,200.00	\$2,125.00	\$8,500.00
23	259	6" 45 Degree Bend	3	EACH	\$50.00	\$150.00	\$525.00	\$1,575.00	\$150.00	\$450.00	\$170.00	\$510.00
24	259	8" 45 Degree Bend	4	EACH	\$75.00	\$300.00	\$575.00	\$2,300.00	\$200.00	\$800.00	\$230.00	\$920.00
25	259	10" 45 Degree Bend	1	EACH	\$80.00	\$80.00	\$900.00	\$900.00	\$290.00	\$290.00	\$460.00	\$460.00
26	259	12" 45 Degree Bend	11	EACH	\$100.00	\$1,100.00	\$1,000.00	\$11,000.00	\$410.00	\$4,510.00	\$575.00	\$6,325.00
27	259	6" 90 Degree Bend	1	EACH	\$150.00	\$150.00	\$550.00	\$550.00	\$165.00	\$165.00	\$185.00	\$185.00
28	259	12" 90 Degree Bend	1	EACH	\$200.00	\$200.00	\$1,000.00	\$1,000.00	\$460.00	\$460.00	\$640.00	\$640.00
29	259	6" Solid Sleeve	1	EACH	\$125.00	\$125.00	\$375.00	\$375.00	\$160.00	\$160.00	\$170.00	\$170.00
30	259	12" Solid Sleeve	2	EACH	\$200.00	\$400.00	\$850.00	\$1,700.00	\$390.00	\$780.00	\$550.00	\$1,100.00
31	259	12" x 6" Reducer	1	EACH	\$300.00	\$300.00	\$700.00	\$700.00	\$140.00	\$140.00	\$340.00	\$340.00
32	259	12" x 8" Reducer	1	EACH	\$350.00	\$350.00	\$700.00	\$700.00	\$190.00	\$190.00	\$340.00	\$340.00
33	259	12" x 10" Reducer	1	EACH	\$400.00	\$400.00	\$750.00	\$750.00	\$210.00	\$210.00	\$395.00	\$395.00
34	259	8" x 6" Tee	1	EACH	\$300.00	\$300.00	\$500.00	\$500.00	\$340.00	\$340.00	\$455.00	\$455.00
35	259	12" x 6" Tee	1	EACH	\$300.00	\$300.00	\$900.00	\$900.00	\$480.00	\$480.00	\$630.00	\$630.00
36	259	24" x 6" Tee	1	EACH	\$350.00	\$350.00	\$2,900.00	\$2,900.00	\$1,900.00	\$1,900.00	\$4,775.00	\$4,775.00
37	259	12" x 12" x 12" Tee	2	EACH	\$350.00	\$700.00	\$1,300.00	\$2,600.00	\$710.00	\$1,420.00	\$990.00	\$1,980.00
38	259	12" 11.25 Degree Bend	1	EACH	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$360.00	\$360.00	\$528.00	\$528.00
39	259	12" 22.5 Degree Bend	1	EACH	\$300.00	\$300.00	\$1,000.00	\$1,000.00	\$380.00	\$380.00	\$555.00	\$555.00
40	260	6" Hydrant Assembly	4	EACH	\$2,100.00	\$8,400.00	\$3,000.00	\$12,000.00	\$2,000.00	\$8,000.00	\$2,950.00	\$11,800.00
41	263	Tying into Existing 6" Main	1	EACH	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$500.00	\$500.00	\$1,600.00	\$1,600.00
42	263	Tying into Existing 8" Main	1	EACH	\$600.00	\$600.00	\$2,000.00	\$2,000.00	\$500.00	\$500.00	\$1,600.00	\$1,600.00
43	263	Tying into Existing 10" Main	1	EACH	\$600.00	\$600.00	\$3,000.00	\$3,000.00	\$500.00	\$500.00	\$1,600.00	\$1,600.00
44	263	Tying into Existing 12" Main	3	EACH	\$700.00	\$2,100.00	\$3,000.00	\$9,000.00	\$500.00	\$1,500.00	\$1,600.00	\$4,800.00
45	265	Water Main Valve Boxes Adjusted	27	EACH	\$50.00	\$1,350.00	\$225.00	\$6,075.00	\$35.00	\$945.00	\$140.00	\$3,780.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Shelly & Sands Inc.		5. Lockhart Concrete Co.		**6. Central Allied Enterprises	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
46	301	7 3/4" Bituminous Aggregate Base	6000	C.Y.	\$85.00	\$510,000.00	\$86.75	\$520,500.00	\$92.00	\$552,000.00	\$98.00	\$588,000.00
47	407	Tack Coat	5650	GAL.	\$2.00	\$11,300.00	\$2.00	\$11,300.00	\$1.90	\$10,735.00	\$1.00	\$5,650.00
48	446	Asphalt Concrete Intermediate Course, 2 3/4"	2200	C.Y.	\$105.00	\$231,000.00	\$100.00	\$220,000.00	\$102.00	\$224,400.00	\$106.00	\$233,200.00
49	446	Asphalt Concrete Surface Course, 1 1/2"	1200	C.Y.	\$120.00	\$144,000.00	\$114.00	\$136,800.00	\$131.00	\$157,200.00	\$152.00	\$182,400.00
		8 inch Reinforced Concrete Approach Slab, As Per Plan										
50	453	Concrete Combined Curb and Gutter	180	S.Y.	\$100.00	\$18,000.00	\$150.00	\$27,000.00	\$212.00	\$38,160.00	\$48.00	\$8,640.00
51	455	6"x18" Concrete Curb	50	L.F.	\$13.50	\$675.00	\$19.00	\$950.00	\$32.00	\$1,600.00	\$29.00	\$1,450.00
52	455	Concrete Walk, 4" Thick	12750	L.F.	\$13.00	\$165,750.00	\$7.75	\$98,812.50	\$26.50	\$337,875.00	\$11.00	\$140,250.00
53	456	Concrete Walk, 4" Thick	43500	S.F.	\$4.25	\$184,875.00	\$3.00	\$130,500.00	\$4.25	\$184,875.00	\$3.50	\$152,250.00
54	456	Concrete Walk, 6" Thick	19500	S.F.	\$4.50	\$87,750.00	\$3.75	\$73,125.00	\$5.30	\$103,350.00	\$4.00	\$78,000.00
55	456	Concrete Aprons	12600	S.F.	\$4.50	\$56,700.00	\$4.00	\$50,400.00	\$5.30	\$66,780.00	\$6.00	\$75,600.00
56	456	Curb Ramps	32	EACH	\$250.00	\$8,000.00	\$400.00	\$12,800.00	\$250.00	\$8,000.00	\$535.00	\$17,120.00
57	509	Reinforcing Steel	500	POUND	\$5.00	\$2,500.00	\$2.25	\$1,125.00	\$0.50	\$250.00	\$3.30	\$1,650.00
58	510	Dowell Holes	75	L.F.	\$40.00	\$3,000.00	\$6.00	\$450.00	\$5.00	\$375.00	\$33.50	\$2,512.50
59	553	12" Inlet Connections	800	L.F.	\$50.00	\$40,000.00	\$50.00	\$40,000.00	\$53.00	\$42,400.00	\$58.00	\$46,400.00
60	556	House Drain Pipe, Complete, 711.29	270	EACH	\$25.00	\$6,750.00	\$120.00	\$32,400.00	\$10.00	\$2,700.00	\$50.00	\$13,500.00
61	556	House Drain Pipe, Type "A", 711.29	200	L.F.	\$3.00	\$600.00	\$14.00	\$2,800.00	\$2.00	\$400.00	\$1.20	\$240.00
62	562	Brick Manhole Adjusted	52	EACH	\$250.00	\$13,000.00	\$250.00	\$13,000.00	\$250.00	\$13,000.00	\$240.00	\$12,480.00
63	562	Brick Manhole Rebuilt	10	L.F.	\$150.00	\$1,500.00	\$300.00	\$3,000.00	\$250.00	\$2,500.00	\$255.00	\$2,550.00
64	562	Manhole 2A on 12" Storm Sewer	1	EACH	\$2,500.00	\$2,500.00	\$2,400.00	\$2,400.00	\$2,000.00	\$2,000.00	\$2,950.00	\$2,950.00
65	563	Inlet Reconstructed (Modified No. 3)	11	EACH	\$1,100.00	\$12,100.00	\$850.00	\$9,350.00	\$1,250.00	\$13,750.00	\$1,800.00	\$19,800.00
66	563	Modified No. 3 Inlet	1	EACH	\$1,300.00	\$1,300.00	\$3,900.00	\$3,900.00	\$1,250.00	\$1,250.00	\$2,050.00	\$2,050.00
67	563	No. 5 Inlet	15	EACH	\$1,300.00	\$19,500.00	\$2,800.00	\$42,000.00	\$1,000.00	\$15,000.00	\$1,900.00	\$28,500.00
68	563	Modified No. 5 Inlet	20	EACH	\$1,300.00	\$26,000.00	\$2,800.00	\$56,000.00	\$1,000.00	\$20,000.00	\$1,900.00	\$38,000.00
69	563	Double No. 5 Inlet	3	EACH	\$1,900.00	\$5,700.00	\$3,200.00	\$9,600.00	\$1,500.00	\$4,500.00	\$2,450.00	\$7,350.00
70	564	4" Pipe Underdrains, 707.15	12750	L.F.	\$4.50	\$57,375.00	\$8.50	\$108,375.00	\$4.00	\$51,000.00	\$4.90	\$62,475.00
71	602	Concrete Masonry	5	C.Y.	\$200.00	\$1,000.00	\$450.00	\$2,250.00	\$600.00	\$3,000.00	\$475.00	\$2,375.00
72	613	Uniformed Law Enforcement Officer	240	Hr.	\$25.00	\$6,000.00	\$25.00	\$6,000.00	\$25.00	\$6,000.00	\$25.00	\$6,000.00
73	614	Maintaining Traffic American Recovery and Reinvestment Act (ARRA)	1	L.S.	\$30,000.00	\$30,000.00	\$65,000.00	\$65,000.00	\$21,200.00	\$21,200.00	\$33,000.00	\$33,000.00
74	614	Sign, Conventional Road, As Per Plan (ODOT Spec)	2	EACH	\$1,200.00	\$2,400.00	\$1,250.00	\$2,500.00	\$1,000.00	\$2,000.00	\$2,150.00	\$4,300.00
75	616	Calcium Chloride	5	TONS	\$75.00	\$375.00	\$950.00	\$4,750.00	\$500.00	\$2,500.00	\$350.00	\$1,750.00
76	619	Field Office	1	L.S.	\$10,000.00	\$10,000.00	\$25,000.00	\$25,000.00	\$5,000.00	\$5,000.00	\$8,000.00	\$8,000.00
77	622	Monument Boxes	19	EACH	\$250.00	\$4,750.00	\$1,000.00	\$19,000.00	\$300.00	\$5,700.00	\$765.00	\$14,535.00
78	623	Construction Layout Stakes	1	L.S.	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$29,500.00	\$29,500.00	\$50,000.00	\$50,000.00
79	624	Mobilization	1	L.S.	\$30,000.00	\$30,000.00	\$54,000.00	\$54,000.00	\$26,500.00	\$26,500.00	\$50,000.00	\$50,000.00
80	625	Pullbox, Polymer Concrete, 18"x24"x18"	3	EACH	\$600.00	\$1,800.00	\$575.00	\$1,725.00	\$500.00	\$1,500.00	\$539.10	\$1,617.30
81	625	Trench, As Per Plan	6840	L.F.	\$4.50	\$30,780.00	\$5.25	\$35,910.00	\$4.40	\$30,096.00	\$5.02	\$34,336.80
82	625	Conduit, Schedule 80, PVC, 2" (Lighting)	500	L.F.	\$6.00	\$3,000.00	\$3.25	\$1,625.00	\$2.64	\$1,320.00	\$6.14	\$3,070.00
83	625	Conduit, Schedule 40, PVC, 2"	6400	L.F.	\$3.00	\$19,200.00	\$2.50	\$16,000.00	\$2.00	\$12,800.00	\$2.95	\$18,880.00
84	625	Conduit, Schedule 40, PVC, 3"	700	L.F.	\$3.25	\$2,275.00	\$4.00	\$2,800.00	\$3.15	\$2,205.00	\$4.21	\$2,947.00
85	625	Ground Rod	17	EACH	\$150.00	\$2,550.00	\$155.00	\$2,635.00	\$119.00	\$2,023.00	\$110.74	\$1,882.58
86	625	Luminaire, 250 Watt HPS Cobra	3	EACH	\$500.00	\$1,500.00	\$310.00	\$930.00	\$294.00	\$882.00	\$342.39	\$1,027.17
87	625	Bracket Arm, 16	3	EACH	\$3,200.00	\$9,600.00	\$675.00	\$2,025.00	\$768.00	\$2,304.00	\$647.49	\$1,942.47
88	625	Connector Kit, Type II	3	EACH	\$100.00	\$300.00	\$110.00	\$330.00	\$67.00	\$201.00	\$51.98	\$155.94

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Shelly & Sands Inc.		5. Lockhart Concrete Co.		**6. Central Allied Enterprises	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
89	625	No. 10 AWG, Pole and Bracket Cable	300	L.F.	\$1.00	\$300.00	\$0.60	\$180.00	\$1.00	\$300.00	\$0.71	\$213.00
90	625	No. 4 AWG, 600 Volt Distribution Cable	1500	L.F.	\$2.50	\$3,750.00	\$2.25	\$3,375.00	\$2.20	\$3,300.00	\$2.17	\$3,255.00
91	630	Ground Mounted Supports, Type 3 Post	120	L.F.	\$7.00	\$840.00	\$6.75	\$810.00	\$12.25	\$1,470.00	\$5.00	\$600.00
92	630	Traffic Sign Removed	25	EACH	\$25.00	\$625.00	\$23.00	\$575.00	\$32.00	\$800.00	\$25.00	\$625.00
93	630	Traffic Sign - Type A	45	EACH	\$75.00	\$3,375.00	\$63.00	\$2,835.00	\$90.00	\$4,050.00	\$80.00	\$3,600.00
94	630	Traffic Sign - Type B	45	EACH	\$100.00	\$4,500.00	\$79.00	\$3,555.00	\$68.00	\$3,060.00	\$150.00	\$6,750.00
95	630	Sign Hanger Assembly (Mast Arm)	22	EACH	\$200.00	\$4,400.00	\$275.00	\$6,050.00	\$304.00	\$6,688.00	\$245.00	\$5,390.00
96	630	Sign, Flat Sheet, Type G	331	S.F.	\$25.00	\$8,275.00	\$14.00	\$4,634.00	\$26.50	\$8,771.50	\$14.00	\$4,634.00
97	632	Pullbox, Polymer Concrete, 24"x36"x24"	28	EACH	\$825.00	\$23,100.00	\$725.00	\$20,300.00	\$643.00	\$18,004.00	\$642.97	\$18,003.16
98	632	Pullbox, Polymer Concrete, 30"x48"x24"	3	EACH	\$1,050.00	\$3,150.00	\$1,000.00	\$3,000.00	\$829.00	\$2,487.00	\$836.20	\$2,508.60
99	632	Conduit Riser, 2", Schedule 80 PVC	6	EACH	\$400.00	\$2,400.00	\$250.00	\$1,500.00	\$312.00	\$1,872.00	\$318.66	\$1,911.96
100	632	Removal of Traffic Signal Installation	2	EACH	\$500.00	\$1,000.00	\$2,500.00	\$5,000.00	\$1,470.00	\$2,940.00	\$2,018.18	\$4,036.36
101	632	Interconnect Misc., Fiber Optic Cable Testing	1	L.S.	\$1,200.00	\$1,200.00	\$825.00	\$825.00	\$632.50	\$632.50	\$2,300.68	\$2,300.68
102	632	Interconnect Misc., Slack Installation	7	EACH	\$280.00	\$1,960.00	\$83.00	\$581.00	\$520.00	\$3,640.00	\$193.23	\$1,352.61
103	632	Interconnect Misc., Splice Enclosure (Aerial or	5	EACH	\$475.00	\$2,375.00	\$380.00	\$1,900.00	\$607.00	\$3,035.00	\$318.66	\$1,593.30
104	632	Interconnect Misc., Fiber Optic Connector	10	EACH	\$32.00	\$320.00	\$22.00	\$220.00	\$26.00	\$260.00	\$57.63	\$576.30
105	632	Interconnect Misc., Drop Cable, 6 Fiber	150	L.F.	\$2.00	\$300.00	\$2.75	\$412.50	\$0.75	\$112.50	\$0.99	\$148.50
106	632	Interconnect Misc., Fan Out Kit, 6 Fiber	3	EACH	\$40.00	\$120.00	\$58.00	\$174.00	\$44.00	\$132.00	\$82.49	\$247.47
107	632	Interconnect Misc., Fusion Splices	40	EACH	\$30.00	\$1,200.00	\$42.00	\$1,680.00	\$15.00	\$600.00	\$74.35	\$2,974.00
108	632	Interconnect Misc., Terminal Panel, Controller	3	EACH	\$275.00	\$825.00	\$225.00	\$675.00	\$169.00	\$507.00	\$113.00	\$339.00
109	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	3	EACH	\$80.00	\$240.00	\$225.00	\$675.00	\$86.00	\$258.00	\$88.14	\$264.42
110	632	Interconnect Misc., 24 Count Fiber	7500	L.F.	\$2.25	\$16,875.00	\$3.75	\$28,125.00	\$2.10	\$15,750.00	\$1.99	\$14,925.00
111	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	18	EACH	\$650.00	\$11,700.00	\$850.00	\$15,300.00	\$732.00	\$13,176.00	\$802.30	\$14,441.40
112	632	Vehicular Signal Head, LED, 5-Section, 12 inch Lens	10	EACH	\$1,050.00	\$10,500.00	\$1,200.00	\$12,000.00	\$1,070.00	\$10,700.00	\$1,161.64	\$11,616.40
113	632	Pedestrian Signal Head, LED, Type D2 Countdown	20	EACH	\$550.00	\$11,000.00	\$650.00	\$13,000.00	\$513.00	\$10,260.00	\$503.98	\$10,079.60
114	632	Pedestrian Pushbutton, As Per Plan	20	EACH	\$160.00	\$3,200.00	\$100.00	\$2,000.00	\$135.00	\$2,700.00	\$116.39	\$2,327.80
115	632	Pedestal, 8 feet	4	EACH	\$500.00	\$2,000.00	\$600.00	\$2,400.00	\$560.00	\$2,240.00	\$588.73	\$2,354.92
116	632	Pedestal Foundation	4	EACH	\$500.00	\$2,000.00	\$850.00	\$3,400.00	\$522.00	\$2,088.00	\$438.44	\$1,753.76
117	632	Signal Support Foundation	9	EACH	\$2,200.00	\$19,800.00	\$2,900.00	\$26,100.00	\$2,080.00	\$18,720.00	\$1,376.34	\$12,387.06
118	632	Signal Support, Type TC-81.21, Design 3	3	EACH	\$6,000.00	\$18,000.00	\$4,300.00	\$12,900.00	\$4,720.00	\$14,160.00	\$4,995.73	\$14,987.19
119	632	Signal Support, Type TC-81.21, Design 12	1	EACH	\$8,000.00	\$8,000.00	\$7,000.00	\$7,000.00	\$7,229.00	\$7,229.00	\$7,696.43	\$7,696.43
120	632	Signal Support, Type TC-81.21, Design12 with Design 2 and Design 3 Arms	1	EACH	\$8,500.00	\$8,500.00	\$8,000.00	\$8,000.00	\$8,152.00	\$8,152.00	\$8,780.10	\$8,780.10
121	632	Combination Signal Support, Type TC-81.21, Design 12 with Design 11 and Design 1 Arms	1	EACH	\$8,500.00	\$8,500.00	\$10,000.00	\$10,000.00	\$9,899.00	\$9,899.00	\$10,664.94	\$10,664.94
122	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 1 Arms	2	EACH	\$8,500.00	\$17,000.00	\$7,300.00	\$14,600.00	\$7,654.00	\$15,308.00	\$8,230.92	\$16,461.84
123	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded	5300	L.F.	\$2.00	\$10,600.00	\$2.00	\$10,600.00	\$1.70	\$9,010.00	\$1.72	\$9,116.00
124	632	Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	270	L.F.	\$2.45	\$661.50	\$3.50	\$945.00	\$2.90	\$783.00	\$2.67	\$720.90
125	632	Covering of Vehicular Signal Head	28	EACH	\$10.00	\$280.00	\$15.00	\$420.00	\$32.00	\$896.00	\$25.31	\$708.68
126	632	Covering of Pedestrian Signal Head	20	EACH	\$10.00	\$200.00	\$10.00	\$200.00	\$25.00	\$500.00	\$14.01	\$280.20

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Shelly & Sands Inc.		5. Lockhart Concrete Co.		**6. Central Allied Enterprises	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
127	632	Power Service	3	EACH	\$1,200.00	\$3,600.00	\$1,000.00	\$3,000.00	\$1,038.00	\$3,114.00	\$998.92	\$2,996.76
128	632	Signalization Misc., Video Detection System, As Per Plan	12	EACH	\$5,000.00	\$60,000.00	\$4,500.00	\$54,000.00	\$4,602.00	\$55,224.00	\$5,466.94	\$65,603.28
129	633	Controller Unit, Type ASC3-21 with Cabinet Type TS2	3	EACH	\$15,750.00	\$47,250.00	\$11,000.00	\$33,000.00	\$12,750.00	\$38,250.00	\$14,239.13	\$42,717.39
130	633	Cabinet Foundation	3	EACH	\$1,250.00	\$3,750.00	\$2,200.00	\$6,600.00	\$1,080.00	\$3,240.00	\$772.92	\$2,318.76
131	633	Controller Misc., Pre-emption Priority Control	3	EACH	\$8,000.00	\$24,000.00	\$7,500.00	\$22,500.00	\$5,550.00	\$16,650.00	\$6,813.90	\$20,441.70
132	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	3	EACH	\$2,500.00	\$7,500.00	\$2,600.00	\$7,800.00	\$2,334.00	\$7,002.00	\$2,570.75	\$7,712.25
133	633	Testing and Certification of Malfunction Management Unit	3	EACH	\$400.00	\$1,200.00	\$80.00	\$240.00	\$78.00	\$234.00	\$84.75	\$254.25
134	633	Signalization Miscellaneous Equipment, As Per Plan	1	Allow.	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
135	633	Controller Misc., ICONS Expansion, As Per Plan	1	L.S.	\$25,000.00	\$25,000.00	\$29,000.00	\$29,000.00	\$27,930.00	\$27,930.00	\$31,640.00	\$31,640.00
136	645	Transverse Line, Type A3 (ODOT Spec)	66	L.F.	\$12.00	\$792.00	\$17.50	\$1,155.00	\$22.00	\$1,452.00	\$13.50	\$891.00
137	645	Crosswalk Line, Type A3 (ODOT Spec)	1458	L.F.	\$8.00	\$11,664.00	\$6.75	\$9,841.50	\$9.00	\$13,122.00	\$6.11	\$8,908.38
138	645	Stop Line, Type A3 (ODOT Spec)	476	L.F.	\$15.00	\$7,140.00	\$16.00	\$7,616.00	\$18.00	\$8,568.00	\$15.50	\$7,378.00
139	645	Channelizing Line, Type A3 (ODOT Spec)	1120	L.F.	\$7.20	\$8,064.00	\$7.50	\$8,400.00	\$6.00	\$6,720.00	\$3.98	\$4,457.60
140	645	Center Line, Broken Double, Type A3 (ODOT Spec)	2	MILE	\$20,000.00	\$40,000.00	\$7,800.00	\$15,600.00	\$19,885.00	\$39,770.00	\$13,465.00	\$26,930.00
141	645	Center Line, Solid Double, Type A3 (ODOT Spec)	0.32	MILE	\$30,000.00	\$9,600.00	\$23,000.00	\$7,360.00	\$26,750.00	\$8,560.00	\$21,120.00	\$6,758.40
142	645	Lane Line, Type A3 (ODOT Spec)	0.134	MILE	\$10,000.00	\$1,340.00	\$4,000.00	\$536.00	\$3,500.00	\$469.00	\$2,900.00	\$388.60
143	645	Lane Arrow, Type A3 (ODOT Spec)	71	EACH	\$300.00	\$21,300.00	\$300.00	\$21,300.00	\$200.00	\$14,200.00	\$206.00	\$14,626.00
144	653	Topsoil Furnished and Placed, 4" Thick	6500	S.Y.	\$3.00	\$19,500.00	\$4.00	\$26,000.00	\$1.00	\$6,500.00	\$3.05	\$19,825.00
145	654	Seeding and Renovating Existing Soil	100	S.Y.	\$3.00	\$300.00	\$3.00	\$300.00	\$1.00	\$100.00	\$3.50	\$350.00
146	659	Lawn Seeding and Mulching	6500	S.Y.	\$3.50	\$22,750.00	\$1.15	\$7,475.00	\$1.00	\$6,500.00	\$1.10	\$7,150.00
147	668	Seeding and Excelsior Matting	1700	S.Y.	\$4.00	\$6,800.00	\$3.25	\$5,525.00	\$3.00	\$5,100.00	\$3.25	\$5,525.00
148	668	Tree Planting in Lawn Area	167	EACH	\$375.00	\$62,625.00	\$250.00	\$41,750.00	\$260.00	\$43,420.00	\$325.00	\$54,275.00
149	669	Protecting Trees	1	L.S.	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
150	832	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	\$6,500.00	\$6,500.00	\$15,000.00	\$15,000.00	\$3,000.00	\$3,000.00	\$5,000.00	\$5,000.00
151	832	Erosion Control (ODOT Spec)	45000	EACH	\$1.00	\$45,000.00	\$1.00	\$45,000.00	\$1.00	\$45,000.00	\$1.00	\$45,000.00
152	835	Exfiltration Trench, Type C (ODOT Spec)	108	L.F.	\$90.00	\$9,720.00	\$80.00	\$8,640.00	\$130.00	\$14,040.00	\$89.80	\$9,698.40
153	SPEC	Street Light Pole - Complete in Place	4	EACH	\$5,000.00	\$20,000.00	\$2,900.00	\$11,600.00	\$2,094.00	\$8,376.00	\$2,178.64	\$8,714.56
154	SPEC	Bridge Scupper Cleaning, As Per Plan	4	EACH	\$100.00	\$400.00	\$50.00	\$200.00	\$200.00	\$800.00	\$350.00	\$1,400.00
Springfield Ctr. - (Signal Items Only)												
155	625	Trench, As Per Plan	217	L.F.	\$4.50	\$976.50	\$5.00	\$1,085.00	\$4.40	\$954.80	\$5.02	\$1,089.34
156	625	Conduit, Schedule 40, PVC, 2"	86	L.F.	\$3.00	\$258.00	\$2.50	\$215.00	\$2.00	\$172.00	\$2.95	\$253.70
157	625	Conduit, Schedule 40, PVC, 3"	222	L.F.	\$3.25	\$721.50	\$4.00	\$888.00	\$3.15	\$699.30	\$4.44	\$985.68
158	625	Ground Rod	4	EACH	\$150.00	\$600.00	\$165.00	\$660.00	\$119.00	\$476.00	\$110.74	\$442.96
159	630	Sign Hanger Assembly (Mast Arm)	6	EACH	\$200.00	\$1,200.00	\$200.00	\$1,200.00	\$313.00	\$1,878.00	\$251.99	\$1,511.94
160	630	Sign, Flat Sheet, Type G	83.4	S.F.	\$25.00	\$2,085.00	\$15.00	\$1,251.00	\$38.00	\$3,169.20	\$35.26	\$2,940.68
161	632	Pullbox, Polymer Concrete, 24"x36"x24"	3	EACH	\$825.00	\$2,475.00	\$725.00	\$2,175.00	\$643.00	\$1,929.00	\$588.73	\$1,766.19
162	632	Pullbox, Polymer Concrete, 30"x48"x24"	1	EACH	\$1,050.00	\$1,050.00	\$1,000.00	\$1,000.00	\$829.00	\$829.00	\$781.96	\$781.96
163	632	Conduit Riser, 2", Schedule 80 PVC	1	EACH	\$400.00	\$400.00	\$260.00	\$260.00	\$312.00	\$312.00	\$318.66	\$318.66

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Shelly & Sands Inc.		5. Lockhart Concrete Co.		**6. Central Allied Enterprises	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
164	632	Removal of Traffic Signal Installation	1	EACH	\$500.00	\$500.00	\$2,500.00	\$2,500.00	\$1,470.00	\$1,470.00	\$980.84	\$980.84
165	632	Interconnect Misc., Slack Installation	1	EACH	\$280.00	\$280.00	\$82.00	\$82.00	\$520.00	\$520.00	\$193.23	\$193.23
166	632	Interconnect Misc., Splice Enclosure (Aerial or Underground)	1	EACH	\$475.00	\$475.00	\$380.00	\$380.00	\$607.00	\$607.00	\$314.44	\$314.44
167	632	Interconnect Misc., Fiber Optic Connector	4	EACH	\$32.00	\$128.00	\$22.00	\$88.00	\$411.00	\$1,644.00	\$57.63	\$230.52
168	632	Interconnect Misc., Drop Cable, 6 Fiber	50	L.F.	\$2.00	\$100.00	\$2.75	\$137.50	\$0.75	\$37.50	\$0.94	\$47.00
169	632	Interconnect Misc., Fan Out Kit, 6 Fiber	1	EACH	\$40.00	\$40.00	\$58.00	\$58.00	\$44.00	\$44.00	\$75.71	\$75.71
170	632	Interconnect Misc., Fusion Splices	4	EACH	\$30.00	\$120.00	\$42.00	\$168.00	\$261.00	\$1,044.00	\$82.49	\$329.96
171	632	Interconnect Misc., Terminal Panel, Controller	1	EACH	\$275.00	\$275.00	\$225.00	\$225.00	\$169.00	\$169.00	\$113.00	\$113.00
172	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	1	EACH	\$80.00	\$80.00	\$225.00	\$225.00	\$80.00	\$80.00	\$88.14	\$88.14
173	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	12	EACH	\$650.00	\$7,800.00	\$850.00	\$10,200.00	\$732.00	\$8,784.00	\$916.43	\$10,997.16
174	632	Pedestrian Signal Head, LED, Type D2 Countdown	8	EACH	\$550.00	\$4,400.00	\$650.00	\$5,200.00	\$513.00	\$4,104.00	\$503.98	\$4,031.84
175	632	Pedestrian Pushbutton, As Per Plan	8	EACH	\$160.00	\$1,280.00	\$100.00	\$800.00	\$138.00	\$1,104.00	\$116.39	\$931.12
176	632	Pedestal, 8 feet	2	EACH	\$500.00	\$1,000.00	\$600.00	\$1,200.00	\$581.00	\$1,162.00	\$588.73	\$1,177.46
177	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$875.00	\$1,750.00	\$522.00	\$1,044.00	\$597.77	\$1,195.54
178	632	Signal Support Foundation	2	EACH	\$2,200.00	\$4,400.00	\$2,900.00	\$5,800.00	\$2,080.00	\$4,160.00	\$1,376.34	\$2,752.68
179	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 3 Arms	2	EACH	\$8,500.00	\$17,000.00	\$7,800.00	\$15,600.00	\$7,853.00	\$15,706.00	\$8,603.82	\$17,207.64
180	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	1888	L.F.	\$2.00	\$3,776.00	\$2.00	\$3,776.00	\$1.70	\$3,209.60	\$1.72	\$3,247.36
181	632	Covering of Vehicular Signal Head	116	L.F.	\$2.45	\$284.20	\$3.50	\$406.00	\$2.70	\$313.20	\$2.67	\$309.72
182	632	Covering of Pedestrian Signal Head	12	EACH	\$10.00	\$120.00	\$15.00	\$180.00	\$32.00	\$384.00	\$25.31	\$303.72
183	632	Power Service	8	EACH	\$10.00	\$80.00	\$10.00	\$80.00	\$25.00	\$200.00	\$14.01	\$112.08
184	632	Signalization Miscellaneous, Video Detection System, As Per Plan	1	EACH	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,038.00	\$1,038.00	\$942.42	\$942.42
185	632	Signalization Miscellaneous, Video Detection System, As Per Plan	4	EACH	\$5,000.00	\$20,000.00	\$4,500.00	\$18,000.00	\$4,683.00	\$18,732.00	\$5,466.94	\$21,867.76
186	633	Controller Unit, Type ASC3-21 with Cabinet Type TS2	1	EACH	\$15,750.00	\$15,750.00	\$11,000.00	\$11,000.00	\$12,750.00	\$12,750.00	\$14,267.38	\$14,267.38
187	633	Cabinet Foundation	1	EACH	\$1,250.00	\$1,250.00	\$2,200.00	\$2,200.00	\$1,080.00	\$1,080.00	\$829.42	\$829.42
188	633	Controller Misc., Pre-emption Priority Control	1	EACH	\$8,000.00	\$8,000.00	\$7,800.00	\$7,800.00	\$5,486.00	\$5,486.00	\$6,596.64	\$6,596.64
189	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	\$2,500.00	\$2,500.00	\$2,600.00	\$2,600.00	\$2,269.00	\$2,269.00	\$2,570.75	\$2,570.75
190	633	Testing and Certification of Malfunction Management Unit	1	EACH	\$400.00	\$400.00	\$80.00	\$80.00	\$82.00	\$82.00	\$84.75	\$84.75

ALTERNATE #1

Alt. #1	632	Signalization Miscellaneous, Video Detection System, As Per Plan - Alternate Bid	16	Each	\$5,000.00	\$80,000.00	\$5,750.00	\$92,000.00	\$4,684.00	\$74,944.00	\$5,418.56	\$86,696.96
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ALTERNATE #2

Alt. #2	633	Controller Misc., Pre-emption Priority Control - Alternate Bid	4	Each	\$8,000.00	\$32,000.00	\$8,925.00	\$35,700.00	\$5,551.00	\$22,204.00	\$5,418.56	\$21,674.24
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BID TAB FOR: Hilbish Avenue Pavement

FILE NO. 2009-020-00

BID DATE: February 4, 2010

CODE: 41430.P09011

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	4. Shelly & Sands Inc. PRICE	4. Shelly & Sands Inc. AMOUNT	5. Lockhart Concrete Co. PRICE	5. Lockhart Concrete Co. AMOUNT	**6. Central Allied Enterprises PRICE	**6. Central Allied Enterprises AMOUNT
TOTAL CONSTRUCTION COSTS						\$3,158,775.70		\$3,092,662.50		\$3,269,986.10		\$3,362,232.26
+/- ENGINEER'S ESTIMATE								-2.1%		+3.5%		+6.4%
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS						\$80,000.00		\$92,000.00		\$74,944.00		\$86,696.96
+/- ENGINEER'S ESTIMATE								+15.0%		-6.3%		+8.4%
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS						\$32,000.00		\$35,700.00		\$22,204.00		\$21,674.24
+/- ENGINEER'S ESTIMATE								+11.6%		-30.6%		-32.3%

* Ref.#s 160 and 170 correction neither initialed nor dated

** Ref #133 correction neither initialed nor dated

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating Inc	
					PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$30,000.00	\$30,000.00	\$67,698.00	\$67,698.00
2	201	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00	\$30,639.00	\$30,639.00
3	201	Trees or Stumps Removed, 18"	21	EACH	\$500.00	\$10,500.00	\$177.00	\$3,717.00
4	202	Driveway Apron Removed	75	S.F.	\$2.00	\$150.00	\$9.75	\$731.25
5	202	Light Pole Removed	5	EACH	\$500.00	\$2,500.00	\$679.00	\$3,395.00
6	202	Hydrant Removed	1	EACH	\$350.00	\$350.00	\$554.00	\$554.00
7	202	Valve Removed	4	EACH	\$50.00	\$200.00	\$170.00	\$680.00
8	202	Water Main Abandoned	361	L.F.	\$10.00	\$3,610.00	\$4.70	\$1,696.70
9	202	Pavement Removed	33500	S.Y.	\$8.00	\$268,000.00	\$7.75	\$259,625.00
10	202	Inlet Removed	38	EACH	\$75.00	\$2,850.00	\$370.00	\$14,060.00
11	202	Pipe Abandoned and Filled, 12"	700	L.F.	\$8.00	\$5,600.00	\$9.00	\$6,300.00
12	203	Aggregate Refill, Type 1 (Limestone)	4800	C.Y.	\$30.00	\$144,000.00	\$37.80	\$181,440.00
13	203	Excavation Including Embankment Construction	4350	C.Y.	\$10.00	\$43,500.00	\$19.50	\$84,825.00
14	203	Borrow	500	C.Y.	\$30.00	\$15,000.00	\$18.50	\$9,250.00
15	252	Trench for Water Services In Earth	25	L.F.	\$10.00	\$250.00	\$17.50	\$437.50
16	258	6" Ductile Iron Pipe	101	L.F.	\$50.00	\$5,050.00	\$49.00	\$4,949.00
17	258	8" Ductile Iron Pipe	106	L.F.	\$55.00	\$5,830.00	\$55.00	\$5,830.00
18	258	10" Ductile Iron Pipe	8	L.F.	\$60.00	\$480.00	\$59.40	\$475.20
19	258	12" Ductile Iron Pipe	185	L.F.	\$65.00	\$12,025.00	\$67.60	\$12,506.00
20	258	6" Gate Valve	4	EACH	\$500.00	\$2,000.00	\$878.00	\$3,512.00
21	258	8" Gate Valve	1	EACH	\$750.00	\$750.00	\$1,278.00	\$1,278.00
22	258	12" Gate Valve	4	EACH	\$850.00	\$3,400.00	\$2,432.00	\$9,728.00
23	259	6" 45 Degree Bend	3	EACH	\$50.00	\$150.00	\$164.00	\$492.00
24	259	8" 45 Degree Bend	4	EACH	\$75.00	\$300.00	\$198.00	\$792.00
25	259	10" 45 Degree Bend	1	EACH	\$80.00	\$80.00	\$349.00	\$349.00
26	259	12" 45 Degree Bend	11	EACH	\$100.00	\$1,100.00	\$454.00	\$4,994.00
27	259	6" 90 Degree Bend	1	EACH	\$150.00	\$150.00	\$186.00	\$186.00
28	259	12" 90 Degree Bend	1	EACH	\$200.00	\$200.00	\$498.00	\$498.00
29	259	6" Solid Sleeve	1	EACH	\$125.00	\$125.00	\$272.00	\$272.00
30	259	12" Solid Sleeve	2	EACH	\$200.00	\$400.00	\$463.00	\$926.00
31	259	12" x 6" Reducer	1	EACH	\$300.00	\$300.00	\$247.00	\$247.00
32	259	12" x 8" Reducer	1	EACH	\$350.00	\$350.00	\$249.00	\$249.00
33	259	12" x 10" Reducer	1	EACH	\$400.00	\$400.00	\$288.00	\$288.00
34	259	8" x 6" Tee	1	EACH	\$300.00	\$300.00	\$433.00	\$433.00
35	259	12" x 6" Tee	1	EACH	\$300.00	\$300.00	\$562.00	\$562.00
36	259	24" x 6" Tee	1	EACH	\$350.00	\$350.00	\$1,989.00	\$1,989.00
37	259	12" x 12" x 12" Tee	2	EACH	\$350.00	\$700.00	\$639.00	\$1,278.00
38	259	12" 11.25 Degree Bend	1	EACH	\$300.00	\$300.00	\$422.00	\$422.00
39	259	12" 22.5 Degree Bend	1	EACH	\$300.00	\$300.00	\$422.00	\$422.00
40	260	6" Hydrant Assembly	4	EACH	\$2,100.00	\$8,400.00	\$3,546.00	\$14,184.00
41	263	Tying into Existing 6" Main	1	EACH	\$600.00	\$600.00	\$211.00	\$211.00
42	263	Tying into Existing 8" Main	1	EACH	\$600.00	\$600.00	\$248.00	\$248.00
43	263	Tying into Existing 10" Main	1	EACH	\$600.00	\$600.00	\$328.00	\$328.00
44	263	Tying into Existing 12" Main	3	EACH	\$700.00	\$2,100.00	\$387.00	\$1,161.00
45	265	Water Main Valve Boxes Adjusted	27	EACH	\$50.00	\$1,350.00	\$28.00	\$756.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating Inc PRICE	7. Wenger Excavating Inc AMOUNT
46	301	7 3/4" Bituminous Aggregate Base	6000	C.Y.	\$85.00	\$510,000.00	\$93.00	\$558,000.00
47	407	Tack Coat	5650	GAL.	\$2.00	\$11,300.00	\$2.00	\$11,300.00
48	446	Asphalt Concrete Intermediate Course, 2 3/4"	2200	C.Y.	\$105.00	\$231,000.00	\$103.00	\$226,600.00
49	446	Asphalt Concrete Surface Course, 1 1/2"	1200	C.Y.	\$120.00	\$144,000.00	\$134.00	\$160,800.00
50	453	8 inch Reinforced Concrete Approach Slab, As Per Plan	180	S.Y.	\$100.00	\$18,000.00	\$36.00	\$6,480.00
51	455	Concrete Combined Curb and Gutter	50	L.F.	\$13.50	\$675.00	\$15.00	\$750.00
52	455	6"x18" Concrete Curb	12750	L.F.	\$13.00	\$165,750.00	\$8.00	\$102,000.00
53	456	Concrete Walk, 4" Thick	43500	S.F.	\$4.25	\$184,875.00	\$2.50	\$108,750.00
54	456	Concrete Walk, 6" Thick	19500	S.F.	\$4.50	\$87,750.00	\$3.00	\$58,500.00
55	456	Concrete Aprons	12600	S.F.	\$4.50	\$56,700.00	\$3.00	\$37,800.00
56	456	Curb Ramps	32	EACH	\$250.00	\$8,000.00	\$400.00	\$12,800.00
57	509	Reinforcing Steel	500	POUND	\$5.00	\$2,500.00	\$1.50	\$750.00
58	510	Dowell Holes	75	L.F.	\$40.00	\$3,000.00	\$5.00	\$375.00
59	553	12" Inlet Connections	800	L.F.	\$50.00	\$40,000.00	\$34.60	\$27,680.00
60	556	House Drain Pipe, Complete, 711.29	270	EACH	\$25.00	\$6,750.00	\$48.00	\$12,960.00
61	556	House Drain Pipe, Type "A", 711.29	200	L.F.	\$3.00	\$600.00	\$5.00	\$1,000.00
62	562	Brick Manhole Adjusted	52	EACH	\$250.00	\$13,000.00	\$344.00	\$17,888.00
63	562	Brick Manhole Rebuilt	10	L.F.	\$150.00	\$1,500.00	\$1,452.00	\$14,520.00
64	562	Manhole 2A on 12" Storm Sewer	1	EACH	\$2,500.00	\$2,500.00	\$1,121.00	\$1,121.00
65	563	Inlet Reconstructed (Modified No. 3)	11	EACH	\$1,100.00	\$12,100.00	\$859.00	\$9,449.00
66	563	Modified No. 3 Inlet	1	EACH	\$1,300.00	\$1,300.00	\$1,543.00	\$1,543.00
67	563	No. 5 Inlet	15	EACH	\$1,300.00	\$19,500.00	\$1,724.00	\$25,860.00
68	563	Modified No. 5 Inlet	20	EACH	\$1,300.00	\$26,000.00	\$1,938.00	\$38,760.00
69	563	Double No. 5 Inlet	3	EACH	\$1,900.00	\$5,700.00	\$2,432.00	\$7,296.00
70	564	4" Pipe Underdrains, 707.15	12750	L.F.	\$4.50	\$57,375.00	\$6.75	\$86,062.50
71	602	Concrete Masonry	5	C.Y.	\$200.00	\$1,000.00	\$433.00	\$2,165.00
72	613	Uniformed Law Enforcement Officer	240	Hr.	\$25.00	\$6,000.00	\$25.00	\$6,000.00
73	614	Maintaining Traffic American Recovery and Reinvestment Act (ARRA)	1	L.S.	\$30,000.00	\$30,000.00	\$69,897.00	\$69,897.00
74	614	Sign, Conventional Road, As Per Plan (ODOT Spec)	2	EACH	\$1,200.00	\$2,400.00	\$1,212.00	\$2,424.00
75	616	Calcium Chloride	5	TONS	\$75.00	\$375.00	\$368.00	\$1,840.00
76	619	Field Office	1	L.S.	\$10,000.00	\$10,000.00	\$6,439.00	\$6,439.00
77	622	Monument Boxes	19	EACH	\$250.00	\$4,750.00	\$621.00	\$11,799.00
78	623	Construction Layout Stakes	1	L.S.	\$15,000.00	\$15,000.00	\$59,529.00	\$59,529.00
79	624	Mobilization	1	L.S.	\$30,000.00	\$30,000.00	\$109,877.00	\$109,877.00
80	625	Pullbox, Polymer Concrete, 18"x24"x18"	3	EACH	\$600.00	\$1,800.00	\$544.00	\$1,632.00
81	625	Trench, As Per Plan	6840	L.F.	\$4.50	\$30,780.00	\$6.50	\$44,460.00
82	625	Conduit, Schedule 80, PVC, 2" (Lighting)	500	L.F.	\$6.00	\$3,000.00	\$11.00	\$5,500.00
83	625	Conduit, Schedule 40, PVC, 2"	6400	L.F.	\$3.00	\$19,200.00	\$3.00	\$19,200.00
84	625	Conduit, Schedule 40, PVC, 3"	700	L.F.	\$3.25	\$2,275.00	\$4.50	\$3,150.00
85	625	Ground Rod	17	EACH	\$150.00	\$2,550.00	\$111.00	\$1,887.00
86	625	Luminaire, 250 Watt HPS Cobra	3	EACH	\$500.00	\$1,500.00	\$347.00	\$1,041.00
87	625	Bracket Arm, 16	3	EACH	\$3,200.00	\$9,600.00	\$651.00	\$1,953.00
88	625	Connector Kit, Type II	3	EACH	\$100.00	\$300.00	\$57.00	\$171.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating Inc PRICE	7. Wenger Excavating Inc AMOUNT
89	625	No. 10 AWG, Pole and Bracket Cable	300	L.F.	\$1.00	\$300.00	\$1.00	\$300.00
90	625	No. 4 AWG, 600 Volt Distribution Cable	1500	L.F.	\$2.50	\$3,750.00	\$3.00	\$4,500.00
91	630	Ground Mounted Supports, Type 3 Post	120	L.F.	\$7.00	\$840.00	\$7.70	\$924.00
92	630	Traffic Sign Removed	25	EACH	\$25.00	\$625.00	\$15.00	\$375.00
93	630	Traffic Sign - Type A	45	EACH	\$75.00	\$3,375.00	\$150.00	\$6,750.00
94	630	Traffic Sign - Type B	45	EACH	\$100.00	\$4,500.00	\$185.00	\$8,325.00
95	630	Sign Hanger Assembly (Mast Arm)	22	EACH	\$200.00	\$4,400.00	\$196.00	\$4,312.00
96	630	Sign, Flat Sheet, Type G	331	S.F.	\$25.00	\$8,275.00	\$16.00	\$5,296.00
97	632	Pullbox, Polymer Concrete, 24"x36"x24"	28	EACH	\$825.00	\$23,100.00	\$642.00	\$17,976.00
98	632	Pullbox, Polymer Concrete, 30"x48"x24"	3	EACH	\$1,050.00	\$3,150.00	\$856.00	\$2,568.00
99	632	Conduit Riser, 2", Schedule 80 PVC	6	EACH	\$400.00	\$2,400.00	\$340.00	\$2,040.00
100	632	Removal of Traffic Signal Installation	2	EACH	\$500.00	\$1,000.00	\$2,020.00	\$4,040.00
101	632	Interconnect Misc., Fiber Optic Cable Testing	1	L.S.	\$1,200.00	\$1,200.00	\$2,625.00	\$2,625.00
102	632	Interconnect Misc., Slack Installation	7	EACH	\$280.00	\$1,960.00	\$200.00	\$1,400.00
103	632	Interconnect Misc., Splice Enclosure (Aerial or	5	EACH	\$475.00	\$2,375.00	\$325.00	\$1,625.00
104	632	Interconnect Misc., Fiber Optic Connector	10	EACH	\$32.00	\$320.00	\$62.00	\$620.00
105	632	Interconnect Misc., Drop Cable, 6 Fiber	150	L.F.	\$2.00	\$300.00	\$1.10	\$165.00
106	632	Interconnect Misc., Fan Out Kit, 6 Fiber	3	EACH	\$40.00	\$120.00	\$85.00	\$255.00
107	632	Interconnect Misc., Fusion Splices	40	EACH	\$30.00	\$1,200.00	\$75.00	\$3,000.00
108	632	Interconnect Misc., Terminal Panel, Controller	3	EACH	\$275.00	\$825.00	\$117.00	\$351.00
109	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	3	EACH	\$80.00	\$240.00	\$1.10	\$3.30
110	632	Interconnect Misc., 24 Count Fiber	7500	L.F.	\$2.25	\$16,875.00	\$2.00	\$15,000.00
111	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	18	EACH	\$650.00	\$11,700.00	\$821.00	\$14,778.00
112	632	Vehicular Signal Head, LED, 5-Section, 12 inch Lens	10	EACH	\$1,050.00	\$10,500.00	\$1,196.00	\$11,960.00
113	632	Pedestrian Signal Head, LED, Type D2 Countdown	20	EACH	\$550.00	\$11,000.00	\$642.00	\$12,840.00
114	632	Pedestrian Pushbutton, As Per Plan	20	EACH	\$160.00	\$3,200.00	\$129.00	\$2,580.00
115	632	Pedestal, 8 feet	4	EACH	\$500.00	\$2,000.00	\$596.00	\$2,384.00
116	632	Pedestal Foundation	4	EACH	\$500.00	\$2,000.00	\$443.00	\$1,772.00
117	632	Signal Support Foundation	9	EACH	\$2,200.00	\$19,800.00	\$1,488.00	\$13,392.00
118	632	Signal Support, Type TC-81.21, Design 3	3	EACH	\$6,000.00	\$18,000.00	\$5,320.00	\$15,960.00
119	632	Signal Support, Type TC-81.21, Design 12	1	EACH	\$8,000.00	\$8,000.00	\$7,846.00	\$7,846.00
120	632	Signal Support, Type TC-81.21, Design12 with Design 2 and Design 3 Arms	1	EACH	\$8,500.00	\$8,500.00	\$9,013.00	\$9,013.00
121	632	Combination Signal Support, Type TC-81.21, Design 12 with Design 11 and Design 1 Arms	1	EACH	\$8,500.00	\$8,500.00	\$10,989.00	\$10,989.00
122	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 1 Arms	2	EACH	\$8,500.00	\$17,000.00	\$8,269.00	\$16,538.00
123	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded	5300	L.F.	\$2.00	\$10,600.00	\$4.25	\$22,525.00
124	632	Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	270	L.F.	\$2.45	\$661.50	\$6.50	\$1,755.00
125	632	Covering of Vehicular Signal Head	28	EACH	\$10.00	\$280.00	\$26.00	\$728.00
126	632	Covering of Pedestrian Signal Head	20	EACH	\$10.00	\$200.00	\$14.25	\$285.00

BID TAB FOR: Hilbish Avenue Pavement

FILE NO. 2009-020-00

BID DATE: February 4, 2010

CODE: 41430.P09011

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating Inc PRICE	7. Wenger Excavating Inc AMOUNT
127	632	Power Service	3	EACH	\$1,200.00	\$3,600.00	\$1,017.00	\$3,051.00
128	632	Signalization Misc., Video Detection System, As Per Plan	12	EACH	\$5,000.00	\$60,000.00	\$6,599.00	\$79,188.00
129	633	Controller Unit, Type ASC3-21 with Cabinet Type TS2	3	EACH	\$15,750.00	\$47,250.00	\$17,373.00	\$52,119.00
130	633	Cabinet Foundation	3	EACH	\$1,250.00	\$3,750.00	\$817.00	\$2,451.00
131	633	Controller Misc., Pre-emption Priority Control	3	EACH	\$8,000.00	\$24,000.00	\$6,835.00	\$20,505.00
132	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	3	EACH	\$2,500.00	\$7,500.00	\$2,578.00	\$7,734.00
133	633	Testing and Certification of Malfunction Management Unit	3	EACH	\$400.00	\$1,200.00	\$86.00	\$258.00
134	633	Signalization Miscellaneous Equipment, As Per Plan	1	Allow.	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00
135	633	Controller Misc., ICONS Expansion, As Per Plan	1	L.S.	\$25,000.00	\$25,000.00	\$46,601.00	\$46,601.00
136	645	Transverse Line, Type A3 (ODOT Spec)	66	L.F.	\$12.00	\$792.00	\$14.00	\$924.00
137	645	Crosswalk Line, Type A3 (ODOT Spec)	1458	L.F.	\$8.00	\$11,664.00	\$8.40	\$12,247.20
138	645	Stop Line, Type A3 (ODOT Spec)	476	L.F.	\$15.00	\$7,140.00	\$14.00	\$6,664.00
139	645	Channelizing Line, Type A3 (ODOT Spec)	1120	L.F.	\$7.20	\$8,064.00	\$6.90	\$7,728.00
140	645	Center Line, Broken Double, Type A3 (ODOT Spec)	2	MILE	\$20,000.00	\$40,000.00	\$14,000.00	\$28,000.00
141	645	Center Line, Solid Double, Type A3 (ODOT Spec)	0.32	MILE	\$30,000.00	\$9,600.00	\$12,000.00	\$3,840.00
142	645	Lane Line, Type A3 (ODOT Spec)	0.134	MILE	\$10,000.00	\$1,340.00	\$2,976.00	\$398.78
143	645	Lane Arrow, Type A3 (ODOT Spec)	71	EACH	\$300.00	\$21,300.00	\$210.00	\$14,910.00
144	653	Topsail Furnished and Placed, 4" Thick	6500	S.Y.	\$3.00	\$19,500.00	\$1.80	\$11,700.00
145	654	Seeding and Renovating Existing Soil	100	S.Y.	\$3.00	\$300.00	\$1.75	\$175.00
146	659	Lawn Seeding and Mulching	6500	S.Y.	\$3.50	\$22,750.00	\$2.70	\$17,550.00
147	668	Seeding and Excelsior Matting	1700	S.Y.	\$4.00	\$6,800.00	\$4.40	\$7,480.00
148	668	Tree Planting in Lawn Area	167	EACH	\$375.00	\$62,625.00	\$388.00	\$64,796.00
149	669	Protecting Trees	1	L.S.	\$2,000.00	\$2,000.00	\$2,134.00	\$2,134.00
150	832	Storm Water Pollution Prevention Plan (ODOT Spec)	1	L.S.	\$6,500.00	\$6,500.00	\$4,877.00	\$4,877.00
151	832	Erosion Control (ODOT Spec)	45000	EACH	\$1.00	\$45,000.00	\$1.00	\$45,000.00
152	835	Exfiltration Trench, Type C (ODOT Spec)	108	L.F.	\$90.00	\$9,720.00	\$68.00	\$7,344.00
153	SPEC	Street Light Pole - Complete in Place	4	EACH	\$5,000.00	\$20,000.00	\$4,789.00	\$19,156.00
154	SPEC	Bridge Scupper Cleaning, As Per Plan	4	EACH	\$100.00	\$400.00	\$240.00	\$960.00
Springfield Ctr. - (Signal Items Only)								
155	625	Trench, As Per Plan	217	L.F.	\$4.50	\$976.50	\$6.00	\$1,302.00
156	625	Conduit, Schedule 40, PVC, 2"	86	L.F.	\$3.00	\$258.00	\$5.00	\$430.00
157	625	Conduit, Schedule 40, PVC, 3"	222	L.F.	\$3.25	\$721.50	\$5.00	\$1,110.00
158	625	Ground Rod	4	EACH	\$150.00	\$600.00	\$115.00	\$460.00
159	630	Sign Hanger Assembly (Mast Arm)	6	EACH	\$200.00	\$1,200.00	\$259.00	\$1,554.00
160	630	Sign, Flat Sheet, Type G	83.4	S.F.	\$25.00	\$2,085.00	\$38.00	\$3,169.20
161	632	Pullbox, Polymer Concrete, 24"x36"x24"	3	EACH	\$825.00	\$2,475.00	\$607.00	\$1,821.00
162	632	Pullbox, Polymer Concrete, 30"x48"x24"	1	EACH	\$1,050.00	\$1,050.00	\$830.00	\$830.00
163	632	Conduit Riser, 2", Schedule 80 PVC	16	1 EACH	\$400.00	\$400.00	\$530.00	\$530.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		7. Wenger Excavating Inc	
					PRICE	AMOUNT	PRICE	AMOUNT
164	632	Removal of Traffic Signal Installation	1	EACH	\$500.00	\$500.00	\$2,890.00	\$2,890.00
165	632	Interconnect Misc., Slack Installation	1	EACH	\$280.00	\$280.00	\$206.00	\$206.00
166	632	Interconnect Misc., Splice Enclosure (Aerial or Underground)	1	EACH	\$475.00	\$475.00	\$332.00	\$332.00
167	632	Interconnect Misc., Fiber Optic Connector	4	EACH	\$32.00	\$128.00	\$63.00	\$252.00
168	632	Interconnect Misc., Drop Cable, 6 Fiber	50	L.F.	\$2.00	\$100.00	\$1.10	\$55.00
169	632	Interconnect Misc., Fan Out Kit, 6 Fiber	1	EACH	\$40.00	\$40.00	\$77.00	\$77.00
170	632	Interconnect Misc., Fusion Splices	4	EACH	\$30.00	\$120.00	\$83.00	\$332.00
171	632	Interconnect Misc., Terminal Panel, Controller	1	EACH	\$275.00	\$275.00	\$115.00	\$115.00
172	632	Interconnect Misc., Fiber Optic Patch Cord, 4 Fiber	1	EACH	\$80.00	\$80.00	\$1.00	\$1.00
173	632	Vehicular Signal Head, LED, 3-Section, 12 inch Lens	12	EACH	\$650.00	\$7,800.00	\$921.00	\$11,052.00
174	632	Pedestrian Signal Head, LED, Type D2 Countdown	8	EACH	\$550.00	\$4,400.00	\$525.00	\$4,200.00
175	632	Pedestrian Pushbutton, As Per Plan	8	EACH	\$160.00	\$1,280.00	\$136.00	\$1,088.00
176	632	Pedestal, 8 feet	2	EACH	\$500.00	\$1,000.00	\$595.00	\$1,190.00
177	632	Pedestal Foundation	2	EACH	\$500.00	\$1,000.00	\$696.00	\$1,392.00
178	632	Signal Support Foundation	2	EACH	\$2,200.00	\$4,400.00	\$1,388.00	\$2,776.00
179	632	Combination Signal Support, Type TC-81.21, Design 4 with Design 3 and Design 3 Arms	2	EACH	\$8,500.00	\$17,000.00	\$14,729.00	\$29,458.00
180	632	Signal Cable, 7-Conductor, No. 14 AWG Stranded Power Cable, 2-Conductor, No. 6 AWG, Type XLP-USE	1888	L.F.	\$2.00	\$3,776.00	\$2.25	\$4,248.00
181	632	Covering of Vehicular Signal Head	116	L.F.	\$2.45	\$284.20	\$3.00	\$348.00
182	632	Covering of Pedestrian Signal Head	12	EACH	\$10.00	\$120.00	\$26.00	\$312.00
183	632	Power Service	8	EACH	\$10.00	\$80.00	\$15.00	\$120.00
184	632	Signalization Miscellaneous, Video Detection System, As Per Plan	1	EACH	\$1,200.00	\$1,200.00	\$955.00	\$955.00
185	632	Signalization Miscellaneous, Video Detection System, As Per Plan	4	EACH	\$5,000.00	\$20,000.00	\$5,510.00	\$22,040.00
186	633	Controller Unit, Type ASC3-21 with Cabinet Type TS2	1	EACH	\$15,750.00	\$15,750.00	\$24,284.00	\$24,284.00
187	633	Cabinet Foundation	1	EACH	\$1,250.00	\$1,250.00	\$831.00	\$831.00
188	633	Controller Misc., Pre-emption Priority Control	1	EACH	\$8,000.00	\$8,000.00	\$11,341.00	\$11,341.00
189	633	Controller Misc., Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	\$2,500.00	\$2,500.00	\$3,741.00	\$3,741.00
190	633	Testing and Certification of Malfunction Management Unit	1	EACH	\$400.00	\$400.00	\$97.00	\$97.00

ALTERNATE #1

Alt. #1	632	Signalization Miscellaneous, Video Detection System, As Per Plan - Alternate Bid	16	Each	\$5,000.00	\$80,000.00	\$6,242.00	\$99,872.00
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ALTERNATE #2

Alt. #2	633	Controller Misc., Pre-emption Priority Control - Alternate Bid	4	Each	\$8,000.00	\$32,000.00	\$6,179.00	\$24,716.00
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BID TAB FOR: Hilbish Avenue Pavement

FILE NO. 2009-020-00

BID DATE: February 4, 2010

CODE: 41430.P09011

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	7. Wenger Excavating Inc PRICE	7. Wenger Excavating Inc AMOUNT
TOTAL CONSTRUCTION COSTS						\$3,158,775.70		\$3,458,147.63
+/- ENGINEER'S ESTIMATE								+9.5%
ALTERNATE #1								
TOTAL CONSTRUCTION COSTS						\$80,000.00		\$99,872.00
+/- ENGINEER'S ESTIMATE								+24.8%
ALTERNATE #2								
TOTAL CONSTRUCTION COSTS						\$32,000.00		\$24,716.00
+/- ENGINEER'S ESTIMATE								-22.8%

* Ref.#s 160 and 170 correction neither initialed nor dated

** Ref #133 correction neither initialed nor dated