

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. S.E.T., Inc.		2.H.M. Miller Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$ 84,900.00	\$84,900.00	\$70,000.00	\$70,000.00	\$100,000.00	\$100,000.00
2	201	Clearing and Grubbing	1	L.S.	\$ 5,000.00	\$5,000.00	\$16,682.00	\$16,682.00	\$5,000.00	\$5,000.00
3	202	Pavement Removed	4349	S.Y.	\$ 8.50	\$36,966.50	\$7.00	\$30,443.00	\$12.00	\$52,188.00
4	202	Wearing Course Removed 1.25" Thick	80667	S.Y.	\$ 3.00	\$242,001.00	\$1.00	\$80,667.00	\$1.10	\$88,733.70
5	202	Concrete Grinding 3" Thick	4829	S.Y.	\$ 12.00	\$57,948.00	\$9.00	\$43,461.00	\$12.00	\$57,948.00
6	202	Curb Removed	8508	L.F.	\$ 4.00	\$34,032.00	\$12.00	\$102,096.00	\$5.00	\$42,540.00
7	202	Manhole Removed	1	EACH	\$ 500.00	\$500.00	\$2,586.00	\$2,586.00	\$2,500.00	\$2,500.00
8	202	Water Mains Removed	461	L.F.	\$ 18.00	\$8,298.00	\$21.00	\$9,681.00	\$10.00	\$4,610.00
9	202	Light Pole Removed for Storage	2	EACH	\$ 350.00	\$700.00	\$885.00	\$1,770.00	\$400.00	\$800.00
10	202	Light Pole Foundation Removed	12	EACH	\$ 250.00	\$3,000.00	\$647.00	\$7,764.00	\$500.00	\$6,000.00
11	202	Luminaire Removed	2	EACH	\$ 50.00	\$100.00	\$359.00	\$718.00	\$150.00	\$300.00
12	202	Remove and Re-erect Existing Light Pole and Luminaire	11	EACH	\$ 900.00	\$9,900.00	\$3,057.00	\$33,627.00	\$555.00	\$6,105.00
13	202	Disconnect Circuit	6	EACH	\$ 75.00	\$450.00	\$983.00	\$5,898.00	\$185.00	\$1,110.00
14	203	Subgrade Compaction	1743	S.Y.	\$ 2.00	\$3,486.00	\$3.00	\$5,229.00	\$5.00	\$8,715.00
15	203	Excavation	150	C.Y.	\$ 8.00	\$1,200.00	\$20.00	\$3,000.00	\$25.00	\$3,750.00
16	254	12 inch Ductile Iron Pipe	461	L.F.	\$ 110.00	\$50,710.00	\$104.00	\$47,944.00	\$195.00	\$89,895.00
17	258	12 inch Gate Valve	2	EACH	\$ 2,500.00	\$5,000.00	\$2,160.00	\$4,320.00	\$3,000.00	\$6,000.00
18	259	12" 45 Degree Bend	4	EACH	\$ 500.00	\$2,000.00	\$1,588.00	\$6,352.00	\$600.00	\$2,400.00
19	259	12" Solid Sleeve	2	EACH	\$ 500.00	\$1,000.00	\$310.00	\$620.00	\$400.00	\$800.00
20	260	Fire Hydrant Relocated	2	EACH	\$ 1,500.00	\$3,000.00	\$2,043.00	\$4,086.00	\$9,500.00	\$19,000.00
21	263	Tying Into Existing 12 inch Main	2	EACH	\$ 3,500.00	\$7,000.00	\$2,691.00	\$5,382.00	\$5,000.00	\$10,000.00
22	301	9 inch Bituminous Aggregate Base	420	C.Y.	\$ 130.00	\$54,600.00	\$126.00	\$52,920.00	\$120.00	\$50,400.00
23	304	Aggregate Base 6 inch Thick (Limestone Only)	280	C.Y.	\$ 45.00	\$12,600.00	\$77.00	\$21,560.00	\$80.00	\$22,400.00
24	305	9 Inch Portland Concrete Cement Base	790	SY	\$ 70.00	\$55,300.00	\$52.00	\$41,080.00	\$75.00	\$59,250.00
25	407	Tack Coat	7126	GAL.	\$ 3.00	\$21,378.00	\$2.00	\$14,252.00	\$1.75	\$12,470.50
26	446	Asphalt Concrete Surface Course, Type 1, Medium	2961	C.Y.	\$ 190.00	\$562,590.00	\$134.00	\$396,774.00	\$129.00	\$381,969.00
27	446	Asphalt Concrete Intermediate Course, Type 2, Medium	312	C.Y.	\$ 175.00	\$54,600.00	\$133.00	\$41,496.00	\$128.00	\$39,936.00
28	451	Reinforced Portland Cement Concrete Pavement, 12" Thick	1870	S.Y.	\$ 200.00	\$374,000.00	\$190.00	\$355,300.00	\$88.00	\$164,560.00
29	452	9 inch Plain Portland Cement Concrete Pavement	100	S.Y.	\$ 70.00	\$7,000.00	\$157.00	\$15,700.00	\$79.00	\$7,900.00
30	455	Curb, Type 6" X 18"	8364	L.F.	\$ 15.00	\$125,460.00	\$31.00	\$259,284.00	\$24.00	\$200,736.00
31	455	Combination Curb and Gutter	144	L.F.	\$ 18.00	\$2,592.00	\$40.00	\$5,760.00	\$34.00	\$4,896.00
32	456	Concrete Walk, 6 inches Thick	82750	S.F.	\$ 7.00	\$579,250.00	\$10.00	\$827,500.00	\$6.00	\$496,500.00
33	456	Curb Ramps	141	EACH	\$ 450.00	\$63,450.00	\$865.00	\$121,965.00	\$330.00	\$46,530.00
34	456	Retrofit Composite Tactile Warning Strip	8	EACH	\$ 200.00	\$1,600.00	\$611.00	\$4,888.00	\$330.00	\$2,640.00
35	456	Concrete Driveway Reconstruction, 6 inches Thick	12550	S.F.	\$ 9.00	\$112,950.00	\$11.00	\$138,050.00	\$7.00	\$87,850.00
36	Special	Decorative Concrete Walk, 6" Thick	5512	S.F.	\$ 18.00	\$99,216.00	\$19.00	\$104,728.00	\$12.00	\$66,144.00
37	Special	Stamped Crosswalk with Pavement Headers Complete	12271	S.F.	\$ 40.00	\$490,840.00	\$49.00	\$601,279.00	\$26.00	\$319,046.00
38	553	12 inch Inlet Connection, RCP, Class "B" Bedding	668	L.F.	\$ 55.00	\$36,740.00	\$215.00	\$143,620.00	\$146.00	\$97,528.00
39	553	15 inch Inlet Connection, RCP, Class "B" Bedding	196	L.F.	\$ 60.00	\$11,760.00	\$199.00	\$39,004.00	\$150.00	\$29,400.00
40	557	12 inch Sanitary Sewer, Class B Bedding	14	L.F.	\$ 123.00	\$1,722.00	\$223.00	\$3,122.00	\$500.00	\$7,000.00
41	557	24 inch Sanitary Sewer, Class B Bedding	150	L.F.	\$ 174.00	\$26,100.00	\$319.00	\$47,850.00	\$505.00	\$75,750.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
42	562	Manhole MH-2A on Sanitary Sewer	1	EACH	\$ 3,000.00	\$3,000.00	\$4,733.00	\$4,733.00	\$8,000.00	\$8,000.00
43	562	Manhole MH-2A on Storm Sewer	5	EACH	\$ 3,000.00	\$15,000.00	\$5,579.00	\$27,895.00	\$7,500.00	\$37,500.00
44	562	Manhole Adjusted	28	EACH	\$ 1,500.00	\$42,000.00	\$1,071.00	\$29,988.00	\$900.00	\$25,200.00
45	563	Inlet, Double No. 2	1	EACH	\$ 3,000.00	\$3,000.00	\$4,968.00	\$4,968.00	\$5,500.00	\$5,500.00
46	563	Inlet, No. 5	21	EACH	\$ 2,000.00	\$42,000.00	\$2,467.00	\$51,807.00	\$5,400.00	\$113,400.00
47	563	Inlet, Double No. 5	8	EACH	\$ 3,000.00	\$24,000.00	\$5,875.00	\$47,000.00	\$4,900.00	\$39,200.00
48	563	Inlet Adjusted	13	EACH	\$ 250.00	\$3,250.00	\$752.00	\$9,776.00	\$900.00	\$11,700.00
49	611	ODOT Item 611E98470 Catch Basin, No. 2-2B	5	EACH	\$ 1,500.00	\$7,500.00	\$1,729.00	\$8,645.00	\$4,000.00	\$20,000.00
50	564	4 inch Pipe Underdrains	15614	L.F.	\$ 4.00	\$62,456.00	\$12.00	\$187,368.00	\$12.00	\$187,368.00
51	614	Maintaining Traffic, As Per Plan	1	L.S.	\$ 200,000.00	\$200,000.00	\$115,253.00	\$115,253.00	\$50,000.00	\$50,000.00
52	618	Computer Equipment	1	Allow.	\$ 5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
53	619	Field Office (12 Months)	1	L.S.	\$ 25,000.00	\$25,000.00	\$21,868.00	\$21,868.00	\$20,000.00	\$20,000.00
54	623	Construction Layout Stakes	1	L.S.	\$ 30,000.00	\$30,000.00	\$55,608.00	\$55,608.00	\$75,000.00	\$75,000.00
55	624	Mobilization	1	L.S.	\$ 200,000.00	\$200,000.00	\$257,267.00	\$257,267.00	\$193,000.00	\$193,000.00
56	625	Ground Rod (Signalization)	173	EACH	\$ 160.00	\$27,680.00	\$147.00	\$25,431.00	\$95.00	\$16,435.00
57	625	Ground Rod (Lighting)	13	EACH	\$ 160.00	\$2,080.00	\$147.00	\$1,911.00	\$80.00	\$1,040.00
58	625	Ground Rod (Traffic)	4	EACH	\$ 160.00	\$640.00	\$147.00	\$588.00	\$95.00	\$380.00
59	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Signa	98	EACH	\$ 950.00	\$93,100.00	\$1,178.00	\$115,444.00	\$870.00	\$85,260.00
60	625	Pull Box, 30"x48"x24", Reinforced Polymer Concrete (Signa	39	EACH	\$ 1,500.00	\$58,500.00	\$1,484.00	\$57,876.00	\$1,325.00	\$51,675.00
61	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Lighti	66	EACH	\$ 950.00	\$62,700.00	\$1,178.00	\$77,748.00	\$869.00	\$57,354.00
62	625	Trenching and Backfill, 24" Deep (Signalization)	1301	L.F.	\$ 6.00	\$7,806.00	\$8.00	\$10,408.00	\$19.00	\$24,719.00
63	625	Trench in Paved Areas, Type A (Signalization)	1864	L.F.	\$ 17.00	\$31,688.00	\$46.00	\$85,744.00	\$99.00	\$184,536.00
64	625	Trench for Fiber Optic Cable, As Per Plan (Signalization)	8622	L.F.	\$ 20.00	\$172,440.00	\$16.00	\$137,952.00	\$99.00	\$853,578.00
65	625	Trench in Paved Areas, Type B (Signalization)	5574	L.F.	\$ 40.00	\$222,960.00	\$94.00	\$523,956.00	\$199.00	\$1,109,226.00
66	625	Trenching and Backfill, 24" Deep (Lighting)	800	L.F.	\$ 6.00	\$4,800.00	\$8.00	\$6,400.00	\$19.00	\$15,200.00
66A	625	Trench in Paved Areas, Type A (Lighting)	1300	L.F.	\$ 17.00	\$22,100.00	\$46.00	\$59,800.00	\$99.00	\$128,700.00
66B	625	Trench in Paved Areas, Type B (Lighting)	1400	L.F.	\$ 40.00	\$56,000.00	\$94.00	\$131,600.00	\$199.00	\$278,600.00
67	625	2" Schedule 40 PVC Conduit, Not Encased (Signalization)	1105	L.F.	\$ 8.00	\$8,840.00	\$6.00	\$6,630.00	\$12.00	\$13,260.00
68	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Lighting)	65	L.F.	\$ 13.00	\$845.00	\$22.00	\$1,430.00	\$57.00	\$3,705.00
69	625	2" Schedule 40 PVC Conduit, Not Encased (Lighting)	2053	L.F.	\$ 8.00	\$16,424.00	\$5.00	\$10,265.00	\$16.00	\$32,848.00
70	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Signalizatio	74	L.F.	\$ 13.00	\$962.00	\$21.00	\$1,554.00	\$43.00	\$3,182.00
71	625	3" Schedule 40 PVC Conduit, Not Encased (Signalization)	11666	L.F.	\$ 8.00	\$93,328.00	\$6.00	\$69,996.00	\$17.00	\$198,322.00
72	625	3" Schedule 40 PVC Conduit, Encased (Signalization)	5574	L.F.	\$ 25.00	\$139,350.00	\$6.00	\$33,444.00	\$32.00	\$178,368.00
73	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Lighting)	445	L.F.	\$ 17.00	\$7,565.00	\$20.00	\$8,900.00	\$36.00	\$16,020.00
74	625	3" Schedule 40 PVC Conduit, Encased (Lighting)	2264	L.F.	\$ 25.00	\$56,600.00	\$6.00	\$13,584.00	\$32.00	\$72,448.00
75	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Signalizatio	1270	L.F.	\$ 17.00	\$21,590.00	\$19.00	\$24,130.00	\$40.00	\$50,800.00
76	625	ODOT Item - 625E25503 - Conduit, 3", 725.05, As Per Plar	597	L.F.	\$ 100.00	\$59,700.00	\$41.00	\$24,477.00	\$26.00	\$15,522.00
77	625	Plastic Caution Tape (Signalization)	17361	L.F.	\$ 0.50	\$8,680.50	\$0.16	\$2,857.62	\$0.20	\$3,472.20
78	625	Plastic Caution Tape (Lighting)	4827	L.F.	\$ 0.50	\$2,413.50	\$0.16	\$794.52	\$0.20	\$965.40
79	625	Light Pole, Conventional	2	EACH	\$ 1,900.00	\$3,800.00	\$2,810.00	\$5,620.00	\$2,500.00	\$5,000.00
80	625	Light Pole Foundation	13	EACH	\$ 1,200.00	\$15,600.00	\$1,664.00	\$21,632.00	\$1,200.00	\$15,600.00

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					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
81	625	Bracket Arm, 8'	18	EACH	\$ 500.00	\$9,000.00	\$614.00	\$11,052.00	\$550.00	\$9,900.00
82	625	Bracket Arm, 12'	7	EACH	\$ 600.00	\$4,200.00	\$624.00	\$4,368.00	\$730.00	\$5,110.00
83	625	Bracket Arm, 15'	7	EACH	\$ 800.00	\$5,600.00	\$661.00	\$4,627.00	\$800.00	\$5,600.00
84	625	Bracket Arm, 20'	5	EACH	\$ 1,100.00	\$5,500.00	\$1,411.00	\$7,055.00	\$1,150.00	\$5,750.00
85	625	Bracket Arm, 25'	4	EACH	\$ 1,600.00	\$6,400.00	\$1,693.00	\$6,772.00	\$1,300.00	\$5,200.00
86	625	Luminaire, Conventional, 107W, Solid State (LED), Type II	41	EACH	\$ 500.00	\$20,500.00	\$699.00	\$28,659.00	\$590.00	\$24,190.00
87	625	Luminaire, Underpass, 40W, Solid State (LED)	24	EACH	\$ 850.00	\$20,400.00	\$746.00	\$17,904.00	\$2,500.00	\$60,000.00
88	625	Luminaire, Conventional, 250W, HPS	2	EACH	\$ 300.00	\$600.00	\$436.00	\$872.00	\$480.00	\$960.00
89	625	No. 6 AWG, Type USE Copper 5000 Volt Distribution Cable	13833	L.F.	\$ 3.50	\$48,415.50	\$3.00	\$41,499.00	\$1.75	\$24,207.75
90	625	No. 4 AWG, Type USE Copper 5000 Volt Distribution Cable	4128	L.F.	\$ 4.50	\$18,576.00	\$3.00	\$12,384.00	\$1.25	\$5,160.00
91	625	No. 10 AWG, Type THHN Pole and Bracket Cable	4052	L.F.	\$ 1.50	\$6,078.00	\$4.00	\$16,208.00	\$1.10	\$4,457.20
92	625	Connection, Fused, Pull-Apart	78	EACH	\$ 65.00	\$5,070.00	\$98.00	\$7,644.00	\$69.00	\$5,382.00
93	625	Connection, Unfused, Pull-Apart	78	EACH	\$ 65.00	\$5,070.00	\$91.00	\$7,098.00	\$72.00	\$5,616.00
94	625	Connection, Unfused, Permanent	198	EACH	\$ 65.00	\$12,870.00	\$91.00	\$18,018.00	\$96.00	\$19,008.00
95	629	Street Name Sign	30	EACH	\$ 125.00	\$3,750.00	\$223.00	\$6,690.00	\$200.00	\$6,000.00
96	629	Street Name Sign Assembly	15	EACH	\$ 450.00	\$6,750.00	\$417.00	\$6,255.00	\$300.00	\$4,500.00
97	629	Street Name Sign Assembly on Mast Arm	63	EACH	\$ 350.00	\$22,050.00	\$365.00	\$22,995.00	\$550.00	\$34,650.00
98	630	Ground-Mounted Supports, No. 2 Post, As Per Plan	2817	L.F.	\$ 8.50	\$23,944.50	\$9.00	\$25,353.00	\$13.00	\$36,621.00
99	630	Ground-Mounted Supports, No. 3 Post, As Per Plan	1274	L.F.	\$ 7.00	\$8,918.00	\$10.00	\$12,740.00	\$14.00	\$17,836.00
100	630	One Way Supports, As Per Plan	187	L.F.	\$ 10.00	\$1,870.00	\$11.00	\$2,057.00	\$14.00	\$2,618.00
101	630	Overhead Sign Support, Type 9.30, Design 1	1	EACH	\$ 11,500.00	\$11,500.00	\$6,229.00	\$6,229.00	\$8,250.00	\$8,250.00
102	630	Overhead Sign Support, Type 9.30, Design 2	1	EACH	\$ 12,500.00	\$12,500.00	\$6,617.00	\$6,617.00	\$9,350.00	\$9,350.00
103	630	Overhead Sign Support, Type 12.30, Design 3, Span 12 Fe	1	EACH	\$ 8,500.00	\$8,500.00	\$10,553.00	\$10,553.00	\$11,550.00	\$11,550.00
104	630	Overhead Sign Support, Type 12.30, Design 3, Span 13 Fe	1	EACH	\$ 8,750.00	\$8,750.00	\$10,753.00	\$10,753.00	\$11,550.00	\$11,550.00
105	630	Sign Hanger Assembly, Mast Arm	47	EACH	\$ 250.00	\$11,750.00	\$326.00	\$15,322.00	\$385.00	\$18,095.00
106	630	Sign Support Assembly, Pole	8	EACH	\$ 95.00	\$760.00	\$132.00	\$1,056.00	\$121.00	\$968.00
107	630	Signs, Flat Sheet	2300	SF	\$ 14.25	\$32,775.00	\$14.00	\$32,200.00	\$17.00	\$39,100.00
108	630	Signs, Flat Sheet, As Per Plan	157	SF	\$ 16.00	\$2,512.00	\$18.00	\$2,826.00	\$20.00	\$3,140.00
109	630	Removal of Ground Mounted Sign and Storage	198	EACH	\$ 15.00	\$2,970.00	\$18.00	\$3,564.00	\$17.00	\$3,366.00
110	630	Removal of Ground Mounted Sign and Reerection	7	EACH	\$ 45.00	\$315.00	\$45.00	\$315.00	\$138.00	\$966.00
111	630	Removal of Ground Mounted Post Support	138	EACH	\$ 11.25	\$1,552.50	\$11.00	\$1,518.00	\$17.00	\$2,346.00
112	630	Removal of Overhead Mounted Sign and Storage	123	EACH	\$ 80.00	\$9,840.00	\$74.00	\$9,102.00	\$55.00	\$6,765.00
113	630	Removal of Overhead Mounted Sign and Reerection	2	EACH	\$ 90.00	\$180.00	\$257.00	\$514.00	\$750.00	\$1,500.00
114	630	Removal of Overhead Mounted Sign Support and Storage	2	EACH	\$ 350.00	\$700.00	\$999.00	\$1,998.00	\$1,375.00	\$2,750.00
115	630	Removal of Overhead Mounted Sign Support and Storage,	1	EACH	\$ 300.00	\$300.00	\$988.00	\$988.00	\$1,650.00	\$1,650.00
116	630	ODOT Item - 630E84510 - Rigid Overhead Sign Support Fc	4	EACH	\$ 2,800.00	\$11,200.00	\$3,395.00	\$13,580.00	\$3,100.00	\$12,400.00
117	630	ODOT Item - 630E87510 - Removal of Pole Mounted Sign ;	225	EACH	\$ 13.50	\$3,037.50	\$34.00	\$7,650.00	\$28.00	\$6,300.00
118	630	ODOT Item - 630E87520 - Removal of Pole Mounted Sign ;	20	EACH	\$ 71.00	\$1,420.00	\$137.00	\$2,740.00	\$165.00	\$3,300.00
119	630	ODOT Item - 630E97700 - Signing, Misc.: Parking Meter St	29	EACH	\$ 150.00	\$4,350.00	\$223.00	\$6,467.00	\$199.00	\$5,771.00
120	630	ODOT Item - 630E97700 - SigninG, Misc.: Pay Station Sigr	12	EACH	\$ 175.00	\$2,100.00	\$220.00	\$2,640.00	\$199.00	\$2,388.00
121	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Park	12	EACH	\$ 50.00	\$600.00	\$150.00	\$1,800.00	\$165.00	\$1,980.00

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122	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay :	9	EACH	\$ 15.00	\$135.00	\$84.00	\$756.00	\$28.00	\$252.00
123	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay :	9	EACH	\$ 50.00	\$450.00	\$150.00	\$1,350.00	\$94.00	\$846.00
124	630	Overhead Sign Support, Design A1, As Per Plan	2	EACH	\$ 27,000.00	\$54,000.00	\$25,987.00	\$51,974.00	\$23,000.00	\$46,000.00
125	630	Overhead Sign Support, Design A2, As Per Plan	4	EACH	\$ 22,500.00	\$90,000.00	\$15,772.00	\$63,088.00	\$12,400.00	\$49,600.00
126	630	Overhead Sign Support, Design A2.1, As Per Plan	3	EACH	\$ 15,000.00	\$45,000.00	\$12,321.00	\$36,963.00	\$9,350.00	\$28,050.00
127	630	Concrete for Anchor Base Foundations	431	CF	\$ 75.00	\$32,325.00	\$57.00	\$24,567.00	\$80.00	\$34,480.00
128	630	Signs "Flat Sheet", As Per Plan	365	SF	\$ 50.00	\$18,250.00	\$13.00	\$4,745.00	\$11.00	\$4,015.00
129	630	Signs Erected "Flat Sheet"	365	SF	\$ 31.00	\$11,315.00	\$6.00	\$2,190.00	\$11.00	\$4,015.00
130	632	Vehicular Signal Head, 3-Section, 12 inch Lens, 1-Way	139	EACH	\$ 675.00	\$93,825.00	\$671.00	\$93,269.00	\$865.00	\$120,235.00
131	632	Vehicular Signal Head, 4-Section, 12 inch Lens, 1-Way	5	EACH	\$ 800.00	\$4,000.00	\$831.00	\$4,155.00	\$1,050.00	\$5,250.00
132	632	Vehicular Signal Head, 5-Section, 12 inch Lens, 1-Way	3	EACH	\$ 1,000.00	\$3,000.00	\$1,059.00	\$3,177.00	\$1,450.00	\$4,350.00
133	632	Pedestrian Signal Head, Type D2	152	EACH	\$ 525.00	\$79,800.00	\$472.00	\$71,744.00	\$525.00	\$79,800.00
134	632	Pedestrian Push-button	152	EACH	\$ 250.00	\$38,000.00	\$171.00	\$25,992.00	\$220.00	\$33,440.00
135	632	Signal Support Foundation	63	EACH	\$ 2,200.00	\$138,600.00	\$3,663.00	\$230,769.00	\$850.00	\$53,550.00
136	632	Pedestal Foundation	91	EACH	\$ 600.00	\$54,600.00	\$1,108.00	\$100,828.00	\$600.00	\$54,600.00
137	632	Signal Support, Type TC-81.21, Design 3	15	EACH	\$ 5,400.00	\$81,000.00	\$4,852.00	\$72,780.00	\$5,100.00	\$76,500.00
138	632	Signal Support, Type TC-81.21, Design 11	7	EACH	\$ 7,500.00	\$52,500.00	\$7,298.00	\$51,086.00	\$7,550.00	\$52,850.00
139	632	Signal Support, Type TC-81.21, Design 12	1	EACH	\$ 8,250.00	\$8,250.00	\$8,977.00	\$8,977.00	\$8,400.00	\$8,400.00
140	632	Combination Signal Support, Type TC-81.21, Design 3	18	EACH	\$ 6,000.00	\$108,000.00	\$5,685.00	\$102,330.00	\$5,100.00	\$91,800.00
141	632	Combination Signal Support, Type TC-81.21, Design 11	17	EACH	\$ 7,950.00	\$135,150.00	\$8,300.00	\$141,100.00	\$7,700.00	\$130,900.00
142	632	Combination Signal Support, Type TC-81.21, Design 12	5	EACH	\$ 8,650.00	\$43,250.00	\$9,973.00	\$49,865.00	\$8,400.00	\$42,000.00
143	632	Pedestal, 8 feet	90	EACH	\$ 560.00	\$50,400.00	\$507.00	\$45,630.00	\$730.00	\$65,700.00
144	632	ODOT Item - 632E90010 - Pedestal, Misc.: Pedestal, 18'	1	EACH	\$ 1,000.00	\$1,000.00	\$951.00	\$951.00	\$1,800.00	\$1,800.00
145	632	Signal Cable, 5-Conductor No. 14 AWG	22552	L.F.	\$ 2.00	\$45,104.00	\$2.00	\$45,104.00	\$1.85	\$41,721.20
146	632	Signal Cable, 7-Conductor No. 14 AWG	13453	L.F.	\$ 2.50	\$33,632.50	\$3.00	\$40,359.00	\$2.10	\$28,251.30
147	632	Loop Detector Lead-in Cable	21233	L.F.	\$ 3.00	\$63,699.00	\$2.00	\$42,466.00	\$1.50	\$31,849.50
148	632	Power Service	21	EACH	\$ 1,750.00	\$36,750.00	\$4,549.00	\$95,529.00	\$3,175.00	\$66,675.00
149	632	Removal of Traffic Signal Installation	21	EACH	\$ 2,000.00	\$42,000.00	\$4,238.00	\$88,998.00	\$4,600.00	\$96,600.00
150	632	Signalization, Misc.: Test Hole Performed	63	EACH	\$ 500.00	\$31,500.00	\$469.00	\$29,547.00	\$215.00	\$13,545.00
151	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH	\$ 13,750.00	\$275,000.00	\$16,566.00	\$331,320.00	\$11,640.00	\$232,800.00
152	633	Controller Unit, Type TS2/A2	1	Each	\$ 12,000.00	\$12,000.00	\$5,527.00	\$5,527.00	\$4,775.00	\$4,775.00
153	633	Cabinet Foundation	20	EACH	\$ 1,850.00	\$37,000.00	\$1,646.00	\$32,920.00	\$1,160.00	\$23,200.00
154	633	Controller Work Pad	2	EACH	\$ 500.00	\$1,000.00	\$416.00	\$832.00	\$600.00	\$1,200.00
155	633	Uninterruptible Power Supply (UPS)	21	EACH	\$ 4,250.00	\$89,250.00	\$4,086.00	\$85,806.00	\$3,600.00	\$75,600.00
156	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption	21	EACH	\$ 9,000.00	\$189,000.00	\$2,723.00	\$57,183.00	\$4,825.00	\$101,325.00
157	633	ODOT Item 633E99000 Controller Item, Misc.: Fiber Optic t	21	EACH	\$ 250.00	\$5,250.00	\$1,807.00	\$37,947.00	\$4,300.00	\$90,300.00
158	645	ODOT Item - 645E00110 - Edge Line, 4", Type A3	7	MILE	\$ 12,000.00	\$84,000.00	\$29,189.00	\$204,323.00	\$28,870.00	\$202,090.00
159	645	ODOT Item - 645E00210 - Lane Lane, 4", Type A3	4	MILE	\$ 8,250.00	\$33,000.00	\$21,404.00	\$85,616.00	\$21,170.00	\$84,680.00
160	645	ODOT Item - 645E00310 - Center Line, Type A3	2	MILE	\$ 32,000.00	\$64,000.00	\$44,798.00	\$89,596.00	\$44,300.00	\$88,600.00
161	645	ODOT Item - 645E00410 - Channelizing Line, 8", Type A3	2936	FT	\$ 10.00	\$29,360.00	\$8.00	\$23,488.00	\$8.00	\$23,488.00
162	645	ODOT Item - 645E00510 - Stop Line, Type A3	2030	FT	\$ 15.00	\$30,450.00	\$22.00	\$44,660.00	\$22.00	\$44,660.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		*1. S.E.T., Inc.		2.H.M. Miller Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
163	645	ODOT Item - 645E00610 - Crosswalk Line, Type A3	6237	FT	\$ 7.00	\$43,659.00	\$10.00	\$62,370.00	\$10.00	\$62,370.00
164	645	ODOT Item - 645E00710 - Transverse/Diagonal Line, Type	4017	FT	\$ 15.00	\$60,255.00	\$17.00	\$68,289.00	\$17.00	\$68,289.00
165	645	ODOT Item - 645E00910 - Island Marking, Type A3	100	SF	\$ 22.50	\$2,250.00	\$10.00	\$1,000.00	\$10.00	\$1,000.00
166	645	ODOT Item - 645E01210 - Parking Lot Stall Marking, Type	1600	FT	\$ 5.00	\$8,000.00	\$5.00	\$8,000.00	\$5.00	\$8,000.00
167	645	ODOT Item - 645E01310 - Lane Arrow, Type A3	65	EACH	\$ 335.00	\$21,775.00	\$390.00	\$25,350.00	\$385.00	\$25,025.00
168	645	ODOT Item - 645E01480 - Dotted Line, 4", Type A3	3025	FT	\$ 3.50	\$10,587.50	\$7.00	\$21,175.00	\$7.00	\$21,175.00
169	645	ODOT Item - 645E01644 - Bike Lane Symbol Marking, Typ	41	EACH	\$ 2,000.00	\$82,000.00	\$611.00	\$25,051.00	\$605.00	\$24,805.00
170	645	ODOT Item - 645E01704 - Shared Lane Marking, Type A3	16	EACH	\$ 2,500.00	\$40,000.00	\$611.00	\$9,776.00	\$605.00	\$9,680.00
171	645	ODOT Item - 645E30000 - Removal of Pavement Marking	2294	FT	\$ 1.00	\$2,294.00	\$3.00	\$6,882.00	\$3.00	\$6,882.00
172	653	Topsoil Furnished & Placed, 4" Thick	280	C.Y.	\$ 45.00	\$12,600.00	\$39.00	\$10,920.00	\$70.00	\$19,600.00
173	653	Topsoil Furnished & Placed, 6" Thick	90	C.Y.	\$ 45.00	\$4,050.00	\$43.00	\$3,870.00	\$70.00	\$6,300.00
174	659	Lawn Seeding and Mulching	2181	S.Y.	\$ 1.50	\$3,271.50	\$4.00	\$8,724.00	\$2.00	\$4,362.00
175	662	Planting Shrubs	541	EACH	\$ 70.00	\$37,870.00	\$47.00	\$25,427.00	\$50.00	\$27,050.00
176	662	Planting Perennials/Ornamental Grass	1409	EACH	\$ 20.00	\$28,180.00	\$23.00	\$32,407.00	\$16.00	\$22,544.00
177	663	Tree Planting in Lawn Area	26	EACH	\$ 450.00	\$11,700.00	\$788.00	\$20,488.00	\$475.00	\$12,350.00
178	663	Tree Planting with Pit/Grate and Tree Removal	9	EACH	\$ 2,000.00	\$18,000.00	\$2,629.00	\$23,661.00	\$3,000.00	\$27,000.00
179	663	Tree Planting with Existing Pit	15	EACH	\$ 1,200.00	\$18,000.00	\$2,630.00	\$39,450.00	\$1,000.00	\$15,000.00
180	663	Tree Planting with pit/Grate	23	EACH	\$ 1,500.00	\$34,500.00	\$2,630.00	\$60,490.00	\$2,600.00	\$59,800.00
181	663	Tree Planting in New Pavement with Pit/Grate	30	EACH	\$ 2,000.00	\$60,000.00	\$2,630.00	\$78,900.00	\$2,600.00	\$78,000.00
182	Special	Bioretention Cells	5	EACH	\$ 10,000.00	\$50,000.00	\$5,032.00	\$25,160.00	\$9,900.00	\$49,500.00
183	Special	Irrigation	4524	S.F.	\$ 2.00	\$9,048.00	\$10.00	\$45,240.00	\$8.00	\$36,192.00
184	Special	Water Main Tie-In for Irrigation Complete (Permit, Backflow	10	EACH	\$ 4,500.00	\$45,000.00	\$1,668.00	\$16,680.00	\$2,500.00	\$25,000.00
185	455	Planter Curbs - as per plan	286	L.F.	\$ 15.00	\$4,290.00	\$41.00	\$11,726.00	\$35.00	\$10,010.00
186	564	4" Pipe Underdrains	2681	L.F.	\$ 7.00	\$18,767.00	\$12.00	\$32,172.00	\$12.00	\$32,172.00
187	804	ODOT Item 804E15011 Fiber Optic Cable, 48 Fiber, As Per	12135	L.F.	\$ 4.00	\$48,540.00	\$5.00	\$60,675.00	\$2.75	\$33,371.25
188	804	ODOT Item 804E30001 Fan-out Kit, 6 Fiber, As Per Plan	21	EACH	\$ 125.00	\$2,625.00	\$54.00	\$1,134.00	\$80.00	\$1,680.00
189	804	ODOT Item 804E32001 Drop Cable, 6 Fiber, As Per Plan	21	EACH	\$ 500.00	\$10,500.00	\$490.00	\$10,290.00	\$300.00	\$6,300.00
190	804	ODOT Item 804E33000 Fiber Optic Patch Cord, 4 Fiber	21	EACH	\$ 150.00	\$3,150.00	\$52.00	\$1,092.00	\$130.00	\$2,730.00
191	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Pe	21	EACH	\$ 1,350.00	\$28,350.00	\$923.00	\$19,383.00	\$1,120.00	\$23,520.00
192	804	ODOT Item 804E35001 Fusion Splice, As Per Plan	498	EACH	\$ 120.00	\$59,760.00	\$28.00	\$13,944.00	\$50.00	\$24,900.00
193	804	ODOT Item 804E36001 Slack Installation, As Per Plan	35	EACH	\$ 275.00	\$9,625.00	\$111.00	\$3,885.00	\$130.00	\$4,550.00
194	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan	26	EACH	\$ 1,200.00	\$31,200.00	\$722.00	\$18,772.00	\$525.00	\$13,650.00
195	804	ODOT Item 804E37501 Fiber Optic Connector, As Per Plar	126	EACH	\$ 60.00	\$7,560.00	\$40.00	\$5,040.00	\$75.00	\$9,450.00
196	804	ODOT Item 804E37701 Fiber Optic Cable Testing, As Per f	1	L.S.	\$ 1,500.00	\$1,500.00	\$2,224.00	\$2,224.00	\$6,000.00	\$6,000.00
197	804	ODOT Item 804E38000 Fiber Optic Cable Modem	21	EACH	\$ 1,700.00	\$35,700.00	\$1,675.00	\$35,175.00	\$3,300.00	\$69,300.00
198	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Cleave Tc	1	EACH	\$ 250.00	\$250.00	\$1,440.00	\$1,440.00	\$3,000.00	\$3,000.00
199	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Fiber Ter	1	EACH	\$ 250.00	\$250.00	\$2,393.00	\$2,393.00	\$32,000.00	\$32,000.00
200	816	ODOT Item 816E30001 Video Detection System, As Per Pl	21	EACH	\$ 13,400.00	\$281,400.00	\$17,713.00	\$371,973.00	\$17,000.00	\$357,000.00
201	832	ODOT Item 832 - Erosion Control	25000	EACH	\$ 1.00	\$25,000.00	\$1.00	\$25,000.00	\$1.00	\$25,000.00
202	832	ODOT Item 832 - Storm Water Pollution Prevention Plan	1	EACH	\$ 5,000.00	\$5,000.00	\$22,575.00	\$22,575.00	\$5,000.00	\$5,000.00
203	Special	Full Depth Pavement Repair, As Directed	2200	S.Y.	\$ 40.00	\$88,000.00	\$61.00	\$134,200.00	\$200.00	\$440,000.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*1. S.E.T., Inc. PRICE	*1. S.E.T., Inc. AMOUNT	2.H.M. Miller Construction PRICE	2.H.M. Miller Construction AMOUNT
204	Special	Full Depth Rigid Removal and Replacement, As Directed	2200	S.Y.	\$ 80.00	\$176,000.00	\$93.00	\$204,600.00	\$220.00	\$484,000.00
205	Special	Preconstruction Video	1	L.S.	\$ 15,000.00	\$15,000.00	\$2,058.00	\$2,058.00	\$2,500.00	\$2,500.00
206	Special	ODOT Item 690E65010 Work Involving Solid Waste	150	C.Y.	\$ 150.00	\$22,500.00	\$88.00	\$13,200.00	\$150.00	\$22,500.00
SUBSTITUTION ALTERNATE #1 - PREEMPTION PRIORITY CONTROL										
ALT#1	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption (Replaces Base Bid Reference No. 156)	21	EACH	\$ 9,000.00	\$189,000.00	\$4,509.00	\$94,689.00	\$4,500.00	\$94,500.00
SUBSTITUTION ALTERNATE #2 - VIDEO DETECTION SYSTEM										
ALT#2	633	ODOT Item 816E30001 Video Detection System, As Per PI (Replaces Base Bid Reference No. 200)	21	EACH	\$ 13,400.00	\$281,400.00	\$21,862.00	\$459,102.00	\$21,000.00	\$441,000.00
SUBSTITUTION ALTERNATE #3 - UNINTERRUPTIBLE POWER SUPPLY										
ALT#3	633	Uninterruptible Power Supply (UPS) (Replaces Base Bid Reference No. 155)	21	EACH	\$ 4,250.00	\$89,250.00	\$8,125.00	\$170,625.00	\$8,500.00	\$178,500.00
SUBSTITUTION ALTERNATE #4 - TERMINATION PANEL										
ALT#4	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per (Replaces Base Bid Reference No. 191)	21	EACH	\$ 1,350.00	\$28,350.00	\$696.00	\$14,616.00	\$3,200.00	\$67,200.00
SUBSTITUTION ALTERNATE #5 - CONTROLLER UNIT										
ALT#5	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH	\$ 13,750.00	\$275,000.00	\$16,472.00	\$329,440.00	\$17,000.00	\$340,000.00
	633	Controller Unit, Type TS2/A2 (Replaces Base Bid Reference No. 151 and No. 152)	1	EACH	\$ 12,000.00	\$12,000.00	\$5,496.00	\$5,496.00	\$5,200.00	\$5,200.00
						\$287,000.00		\$334,936.00		\$345,200.00
SUBSTITUTION ALTERNATE #6 - SPLICE ENCLOSURE										
ALT#6	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan (Replaces Base Bid Reference No. 194)	21	EACH	\$ 1,200.00	\$25,200.00	\$542.00	\$11,382.00	\$425.00	\$8,925.00
SUBSTITUTION ALTERNATE #7 - PEDESTRIAN PUSH-BUTTON										
ALT#7	632	Pedestrian Push-button (Replaces Base Bid Reference No. 134)	152	EACH	\$ 250.00	\$38,000.00	\$254.00	\$38,608.00	\$400.00	\$60,800.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*1. S.E.T., Inc. PRICE	ENGINEER'S ESTIMATE AMOUNT	2.H.M. Miller Construction PRICE	2.H.M. Miller Construction AMOUNT
SUBSTITUTION ALTERNATE #8 - SEEDING										
ALT#8	668	Seeding and Excelsior Matting, As Per Plan (Replaces Base Bid Reference No. 176)	352	S.Y.	\$ 3.00	\$1,056.00	\$6.00	\$2,112.00	\$15.00	\$5,280.00
ADD ALTERNATE #1 - CITY COMMUNICATION SYSTEM										
ADD	625	4" Schedule 40 PVC Conduit, Not Encased	16856	L.F.	\$ 10.00	\$168,560.00	\$8.00	\$134,848.00	\$7.00	\$117,992.00
ALT #1	625	ODOT Item - 625E25600 - Conduit, 4", 725.04	1548	L.F.	\$ 22.50	\$34,830.00	\$40.00	\$61,920.00	\$29.00	\$44,892.00
	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete	2	EACH	\$ 950.00	\$1,900.00	\$1,171.00	\$2,342.00	\$1,200.00	\$2,400.00
Bid Alternate #1 Total Costs						\$205,290.00		\$199,110.00		\$165,284.00
TOTAL CONSTRUCTION COSTS						\$9,197,364.00		\$10,546,256.14		\$11,782,985.00
+/- ENGINEER'S ESTIMATE								+14.7%		+28.1%
ALTERNATE #1										
TOTAL CONSTRUCTION COSTS						\$189,000.00		\$94,689.00		\$94,500.00
+/- ENGINEER'S ESTIMATE								-49.9%		-50.0%
ALTERNATE #2										
TOTAL CONSTRUCTION COSTS						\$281,400.00		\$459,102.00		\$441,000.00
+/- ENGINEER'S ESTIMATE								+63.1%		+56.7%
ALTERNATE #3										
TOTAL CONSTRUCTION COSTS						\$89,250.00		\$170,625.00		\$178,500.00
+/- ENGINEER'S ESTIMATE								+91.2%		+100.0%
ALTERNATE #4										
TOTAL CONSTRUCTION COSTS						\$28,350.00		\$14,616.00		\$67,200.00
+/- ENGINEER'S ESTIMATE								-48.4%		+137.0%
ALTERNATE #5										
TOTAL CONSTRUCTION COSTS						\$287,000.00		\$329,440.00		\$340,000.00
+/- ENGINEER'S ESTIMATE								+14.8%		+18.5%
ALTERNATE #6										
TOTAL CONSTRUCTION COSTS						\$25,200.00		\$11,382.00		\$8,925.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	*1. S.E.T., Inc. PRICE	*1. S.E.T., Inc. AMOUNT	2.H.M. Miller Construction PRICE	2.H.M. Miller Construction AMOUNT
+/- ENGINEER'S ESTIMATE									-54.8%	-64.6%
<u>ALTERNATE #7</u>										
TOTAL CONSTRUCTION COSTS						\$38,000.00		\$38,608.00		\$60,800.00
+/- ENGINEER'S ESTIMATE									+1.6%	+60.0%
<u>ALTERNATE #8</u>										
TOTAL CONSTRUCTION COSTS						\$1,056.00		\$0.00		\$0.00
+/- ENGINEER'S ESTIMATE									-100.0%	-100.0%
<u>ADD ALTERNATE #1</u>										
TOTAL CONSTRUCTION COSTS						\$205,290.00		\$199,110.00		\$165,284.00
+/- ENGINEER'S ESTIMATE									-3.0%	-19.5%

*Ref #66A total is incorrect. Corrections made on Ref #'s 77 & 78 were not initialed or dated. Ref #149 correction was not initialed or dated. Unofficial Construction Cost total is incorrect. ADD ALT #1 total - correction was not dated.

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST										
January 15, 2015										
CODE NUMBER: 2010-049-00 ODOT PID NUMBER: 88990										
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
1	103.05	Contract Performance Bond	1	L.S.	\$ 84,900.00	\$ 84,900.00	0.91	\$ 77,259.00	0.09	\$ 7,641.00
2	201	Clearing and Grubbing	1	L.S.	\$ 5,000.00	\$ 5,000.00	0.91	\$ 4,550.00	0.09	\$ 450.00
3	202	Pavement Removed	4349	S.Y.	\$ 8.50	\$ 36,966.50	4349	\$ 36,966.50		\$ -
4	202	Wearing Course Removed 1.25" Thick	80667	S.Y.	\$ 3.00	\$ 242,001.00	80667	\$ 242,001.00		\$ -
5	202	Concrete Grinding 3" Thick	4829	S.Y.	\$ 12.00	\$ 57,948.00	4829	\$ 57,948.00		\$ -
6	202	Curb Removed	8508	L.F.	\$ 4.00	\$ 34,032.00	8508	\$ 34,032.00		\$ -
7	202	Manhole Removed	1	EACH	\$ 500.00	\$ 500.00	1	\$ 500.00		\$ -
8	202	Water Mains Removed	461	L.F.	\$ 18.00	\$ 8,298.00		\$ -	461	\$ 8,298.00
9	202	Light Pole Removed for Storage	2	EACH	\$ 350.00	\$ 700.00	2	\$ 700.00		\$ -
10	202	Light Pole Foundation Removed	12	EACH	\$ 250.00	\$ 3,000.00	12	\$ 3,000.00		\$ -
11	202	Luminaire Removed	2	EACH	\$ 50.00	\$ 100.00	2	\$ 100.00		\$ -
12	202	Remove and Re-erect Existing Light Pole and Luminaire	11	EACH	\$ 900.00	\$ 9,900.00	11	\$ 9,900.00		\$ -
13	202	Disconnect Circuit	6	EACH	\$ 75.00	\$ 450.00	6	\$ 450.00		\$ -
14	203	Subgrade Compaction	1743	S.Y.	\$ 2.00	\$ 3,486.00	1743	\$ 3,486.00		\$ -
15	203	Excavation	150	C.Y.	\$ 8.00	\$ 1,200.00	150	\$ 1,200.00		\$ -
16	254	12 inch Ductile Iron Pipe	461	L.F.	\$ 110.00	\$ 50,710.00		\$ -	461	\$ 50,710.00
17	258	12 inch Gate Valve	2	EACH	\$ 2,500.00	\$ 5,000.00		\$ -	2	\$ 5,000.00
18	259	12" 45 Degree Bend	4	EACH	\$ 500.00	\$ 2,000.00		\$ -	4	\$ 2,000.00
19	259	12" Solid Sleeve	2	EACH	\$ 500.00	\$ 1,000.00		\$ -	2	\$ 1,000.00
20	260	Fire Hydrant Relocated	2	EACH	\$ 1,500.00	\$ 3,000.00		\$ -	2	\$ 3,000.00
21	263	Tying Into Existing 12 inch Main	2	EACH	\$ 3,500.00	\$ 7,000.00		\$ -	2	\$ 7,000.00
22	301	9 inch Bituminous Aggregate Base	420	C.Y.	\$ 130.00	\$ 54,600.00	420	\$ 54,600.00		\$ -
23	304	Aggregate Base 6 inch Thick (Limestone Only)	280	C.Y.	\$ 45.00	\$ 12,600.00	280	\$ 12,600.00		\$ -
24	305	9 Inch Portland Concrete Cement Base	790	SY	\$ 70.00	\$ 55,300.00	790	\$ 55,300.00		\$ -
25	407	Tack Coat	7126	GAL.	\$ 3.00	\$ 21,378.00	7126	\$ 21,378.00		\$ -
26	446	Asphalt Concrete Surface Course, Type 1, Medium	2961	C.Y.	\$ 190.00	\$ 562,590.00	2961	\$ 562,590.00		\$ -
27	446	Asphalt Concrete Intermediate Course, Type 2, Medium	312	C.Y.	\$ 175.00	\$ 54,600.00	312	\$ 54,600.00		\$ -
28	451	Reinforced Portland Cement Concrete Pavement, 12" Thick, As Per Plan	1870	S.Y.	\$ 200.00	\$ 374,000.00	1870	\$ 374,000.00		\$ -
29	452	9 inch Plain Portland Cement Concrete Pavement	100	S.Y.	\$ 70.00	\$ 7,000.00	100	\$ 7,000.00		\$ -
30	455	Curb, Type 6" X 18"	8364	L.F.	\$ 15.00	\$ 125,460.00	8364	\$ 125,460.00		\$ -
31	455	Combination Curb and Gutter	144	L.F.	\$ 18.00	\$ 2,592.00	144	\$ 2,592.00		\$ -
32	456	Concrete Walk, 6 inches Thick	82750	S.F.	\$ 7.00	\$ 579,250.00	82750	\$ 579,250.00		\$ -
33	456	Curb Ramps	141	EACH	\$ 450.00	\$ 63,450.00	141	\$ 63,450.00		\$ -
34	456	Retrofit Composite Tactile Warning Strip	8	EACH	\$ 200.00	\$ 1,600.00	8	\$ 1,600.00		\$ -
35	456	Concrete Driveway Reconstruction, 6 inches Thick	12550	S.F.	\$ 9.00	\$ 112,950.00	12550	\$ 112,950.00		\$ -
36	Special	Decorative Concrete Walk, 6" Thick	5512	S.F.	\$ 18.00	\$ 99,216.00	5512	\$ 99,216.00		\$ -
37	Special	Stamped Crosswalk with Pavement Headers Complete	12271	S.F.	\$ 40.00	\$ 490,840.00	12271	\$ 490,840.00		\$ -
38	553	12 inch Inlet Connection, RCP, Class "B" Bedding	668	L.F.	\$ 55.00	\$ 36,740.00	668	\$ 36,740.00		\$ -
39	553	15 inch Inlet Connection, RCP, Class "B" Bedding	196	L.F.	\$ 60.00	\$ 11,760.00	196	\$ 11,760.00		\$ -
40	557	12 inch Sanitary Sewer, Class B Bedding	14	L.F.	\$ 123.00	\$ 1,722.00	14	\$ 1,722.00		\$ -
41	557	24 inch Sanitary Sewer, Class B Bedding	150	L.F.	\$ 174.00	\$ 26,100.00		\$ -	150	\$ 26,100.00
42	562	Manhole MH-2A on Sanitary Sewer	1	EACH	\$ 3,000.00	\$ 3,000.00	1	\$ 3,000.00		\$ -
43	562	Manhole MH-2A on Storm Sewer	5	EACH	\$ 3,000.00	\$ 15,000.00	5	\$ 15,000.00		\$ -
44	562	Manhole Adjusted	28	EACH	\$ 1,500.00	\$ 42,000.00	28	\$ 42,000.00		\$ -
45	563	Inlet, Double No. 2	1	EACH	\$ 3,000.00	\$ 3,000.00	1	\$ 3,000.00		\$ -
46	563	Inlet, No. 5	21	EACH	\$ 2,000.00	\$ 42,000.00	21	\$ 42,000.00		\$ -
47	563	Inlet, Double No. 5	8	EACH	\$ 3,000.00	\$ 24,000.00	8	\$ 24,000.00		\$ -
48	563	Inlet Adjusted	13	EACH	\$ 250.00	\$ 3,250.00	13	\$ 3,250.00		\$ -
49	611	ODOT Item 611E98470 Catch Basin, No. 2-2B	5	EACH	\$ 1,500.00	\$ 7,500.00	5	\$ 7,500.00		\$ -

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST							January 15, 2015			
CODE NUMBER: 2010-049-00							ODOT PID NUMBER: 88990			
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
50	564	4 inch Pipe Underdrains	15614	L.F.	\$ 4.00	\$ 62,456.00	15614	\$ 62,456.00		\$ -
51	614	Maintaining Traffic, As Per Plan	1	L.S.	\$ 200,000.00	\$ 200,000.00	0.91	\$ 182,000.00	0.09	\$ 18,000.00
52	618	Computer Equipment	1	Allow.	\$ 5,000.00	\$ 5,000.00		\$ -	1	\$ 5,000.00
53	619	Field Office (12 Months)	1	L.S.	\$ 25,000.00	\$ 25,000.00	0.91	\$ 22,750.00	0.09	\$ 2,250.00
54	623	Construction Layout Stakes	1	L.S.	\$ 30,000.00	\$ 30,000.00	0.91	\$ 27,300.00	0.09	\$ 2,700.00
55	624	Mobilization	1	L.S.	\$ 200,000.00	\$ 200,000.00	0.91	\$ 182,000.00	0.09	\$ 18,000.00
56	625	Ground Rod (Signalization)	173	EACH	\$ 160.00	\$ 27,680.00	173	\$ 27,680.00		\$ -
57	625	Ground Rod (Lighting)	13	EACH	\$ 160.00	\$ 2,080.00	13	\$ 2,080.00		\$ -
58	625	Ground Rod (Traffic)	4	EACH	\$ 160.00	\$ 640.00	4	\$ 640.00		\$ -
59	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Signalization)	98	EACH	\$ 950.00	\$ 93,100.00	98	\$ 93,100.00		\$ -
60	625	Pull Box, 30"x48"x24", Reinforced Polymer Concrete (Signalization)	39	EACH	\$ 1,500.00	\$ 58,500.00	39	\$ 58,500.00		\$ -
61	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Lighting)	66	EACH	\$ 950.00	\$ 62,700.00	66	\$ 62,700.00		\$ -
62	625	Trenching and Backfill, 24" Deep (Signalization)	1301	L.F.	\$ 6.00	\$ 7,806.00	1301	\$ 7,806.00		\$ -
63	625	Trench in Paved Areas, Type A (Signalization)	1864	L.F.	\$ 17.00	\$ 31,688.00	1864	\$ 31,688.00		\$ -
64	625	Trench for Fiber Optic Cable, As Per Plan (Signalization)	8622	L.F.	\$ 20.00	\$ 172,440.00	8622	\$ 172,440.00		\$ -
65	625	Trench in Paved Areas, Type B (Signalization)	5574	L.F.	\$ 40.00	\$ 222,960.00	5574	\$ 222,960.00		\$ -
66	625	Trenching and Backfill, 24" Deep (Lighting)	800	L.F.	\$ 6.00	\$ 4,800.00	800	\$ 4,800.00		\$ -
66A	625	Trench in Paved Areas, Type A (Lighting)	1300	L.F.	\$ 17.00	\$ 22,100.00	1300	\$ 22,100.00		\$ -
66B	625	Trench in Paved Areas, Type B (Lighting)	1400	L.F.	\$ 40.00	\$ 56,000.00	1400	\$ 56,000.00		\$ -
67	625	2" Schedule 40 PVC Conduit, Not Encased (Signalization)	1105	L.F.	\$ 8.00	\$ 8,840.00	1105	\$ 8,840.00		\$ -
68	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Lighting)	65	L.F.	\$ 13.00	\$ 845.00	65	\$ 845.00		\$ -
69	625	2" Schedule 40 PVC Conduit, Not Encased (Lighting)	2053	L.F.	\$ 8.00	\$ 16,424.00	2053	\$ 16,424.00		\$ -
70	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Signalization)	74	L.F.	\$ 13.00	\$ 962.00	74	\$ 962.00		\$ -
71	625	3" Schedule 40 PVC Conduit, Not Encased (Signalization)	11666	L.F.	\$ 8.00	\$ 93,328.00	11666	\$ 93,328.00		\$ -
72	625	3" Schedule 40 PVC Conduit, Encased (Signalization)	5574	L.F.	\$ 25.00	\$ 139,350.00	5574	\$ 139,350.00		\$ -
73	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Lighting)	445	L.F.	\$ 17.00	\$ 7,565.00	445	\$ 7,565.00		\$ -
74	625	3" Schedule 40 PVC Conduit, Encased (Lighting)	2264	L.F.	\$ 25.00	\$ 56,600.00	2264	\$ 56,600.00		\$ -
75	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Signalization)	1270	L.F.	\$ 17.00	\$ 21,590.00	1270	\$ 21,590.00		\$ -
76	625	ODOT Item - 625E25503 - Conduit, 3", 725.05, As Per Plan (Signalization)	597	L.F.	\$ 100.00	\$ 59,700.00	597	\$ 59,700.00		\$ -
77	625	Plastic Caution Tape (Signalization)	17361	L.F.	\$ 0.50	\$ 8,680.50	17361	\$ 8,680.50		\$ -
78	625	Plastic Caution Tape (Lighting)	4827	L.F.	\$ 0.50	\$ 2,413.50	4827	\$ 2,413.50		\$ -
79	625	Light Pole, Conventional	2	EACH	\$ 1,900.00	\$ 3,800.00	2	\$ 3,800.00		\$ -
80	625	Light Pole Foundation	13	EACH	\$ 1,200.00	\$ 15,600.00	13	\$ 15,600.00		\$ -
81	625	Bracket Arm, 8'	18	EACH	\$ 500.00	\$ 9,000.00	18	\$ 9,000.00		\$ -
82	625	Bracket Arm, 12'	7	EACH	\$ 600.00	\$ 4,200.00	7	\$ 4,200.00		\$ -
83	625	Bracket Arm, 15'	7	EACH	\$ 800.00	\$ 5,600.00	8	\$ 6,400.00		\$ -
84	625	Bracket Arm, 20'	5	EACH	\$ 1,100.00	\$ 5,500.00	4	\$ 4,400.00		\$ -
85	625	Bracket Arm, 25'	4	EACH	\$ 1,600.00	\$ 6,400.00	4	\$ 6,400.00		\$ -
86	625	Luminaire, Conventional, 107W, Solid State (LED), Type II	41	EACH	\$ 500.00	\$ 20,500.00	41	\$ 20,500.00		\$ -
87	625	Luminaire, Underpass, 40W, Solid State (LED)	24	EACH	\$ 850.00	\$ 20,400.00	24	\$ 20,400.00		\$ -
88	625	Luminaire, Conventional, 250W, HPS	2	EACH	\$ 300.00	\$ 600.00	2	\$ 600.00		\$ -
89	625	No. 6 AWG, Type USE Copper 5000 Volt Distribution Cable	13833	L.F.	\$ 3.50	\$ 48,415.50	13833	\$ 48,415.50		\$ -
90	625	No. 4 AWG, Type USE Copper 5000 Volt Distribution Cable	4128	L.F.	\$ 4.50	\$ 18,576.00	4128	\$ 18,576.00		\$ -
91	625	No. 10 AWG, Type THHN Pole and Bracket Cable	4052	L.F.	\$ 1.50	\$ 6,078.00	4052	\$ 6,078.00		\$ -
92	625	Connection, Fused, Pull-Apart	78	EACH	\$ 65.00	\$ 5,070.00	78	\$ 5,070.00		\$ -
93	625	Connection, Unfused, Pull-Apart	78	EACH	\$ 65.00	\$ 5,070.00	78	\$ 5,070.00		\$ -
94	625	Connection, Unfused, Permanent	198	EACH	\$ 65.00	\$ 12,870.00	198	\$ 12,870.00		\$ -
95	629	Street Name Sign	30	EACH	\$ 125.00	\$ 3,750.00	30	\$ 3,750.00		\$ -
96	629	Street Name Sign Assembly	15	EACH	\$ 450.00	\$ 6,750.00	15	\$ 6,750.00		\$ -

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST						January 15, 2015				
CODE NUMBER: 2010-049-00						ODOT PID NUMBER: 88990				
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
97	629	Street Name Sign Assembly on Mast Arm	63	EACH	\$ 350.00	\$ 22,050.00	63	\$ 22,050.00		\$ -
98	630	Ground-Mounted Supports, No. 2 Post, As Per Plan	2817	L.F.	\$ 8.50	\$ 23,944.50	2817	\$ 23,944.50		\$ -
99	630	Ground-Mounted Supports, No. 3 Post, As Per Plan	1274	L.F.	\$ 7.00	\$ 8,918.00	1274	\$ 8,918.00		\$ -
100	630	One Way Supports, As Per Plan	187	L.F.	\$ 10.00	\$ 1,870.00	187	\$ 1,870.00		\$ -
101	630	Overhead Sign Support, Type 9.30, Design 1	1	EACH	\$ 11,500.00	\$ 11,500.00	1	\$ 11,500.00		\$ -
102	630	Overhead Sign Support, Type 9.30, Design 2	1	EACH	\$ 12,500.00	\$ 12,500.00	1	\$ 12,500.00		\$ -
103	630	Overhead Sign Support, Type 12.30, Design 3, Span 12 Feet	1	EACH	\$ 8,500.00	\$ 8,500.00	1	\$ 8,500.00		\$ -
104	630	Overhead Sign Support, Type 12.30, Design 3, Span 13 Feet	1	EACH	\$ 8,750.00	\$ 8,750.00	1	\$ 8,750.00		\$ -
105	630	Sign Hanger Assembly, Mast Arm	47	EACH	\$ 250.00	\$ 11,750.00	47	\$ 11,750.00		\$ -
106	630	Sign Support Assembly, Pole	8	EACH	\$ 95.00	\$ 760.00	8	\$ 760.00		\$ -
107	630	Signs, Flat Sheet	2300	SF	\$ 14.25	\$ 32,775.00	2300	\$ 32,775.00		\$ -
108	630	Signs, Flat Sheet, As Per Plan	157	SF	\$ 16.00	\$ 2,512.00	157	\$ 2,512.00		\$ -
109	630	Removal of Ground Mounted Sign and Storage	198	EACH	\$ 15.00	\$ 2,970.00	198	\$ 2,970.00		\$ -
110	630	Removal of Ground Mounted Sign and Reerection	7	EACH	\$ 45.00	\$ 315.00	7	\$ 315.00		\$ -
111	630	Removal of Ground Mounted Post Support	138	EACH	\$ 11.25	\$ 1,552.50	138	\$ 1,552.50		\$ -
112	630	Removal of Overhead Mounted Sign and Storage	123	EACH	\$ 80.00	\$ 9,840.00	123	\$ 9,840.00		\$ -
113	630	Removal of Overhead Mounted Sign and Reerection	2	EACH	\$ 90.00	\$ 180.00	2	\$ 180.00		\$ -
114	630	Removal of Overhead Mounted Sign Support and Storage	2	EACH	\$ 350.00	\$ 700.00	2	\$ 700.00		\$ -
115	630	Removal of Overhead Mounted Sign Support and Storage, As Per Plan	1	EACH	\$ 300.00	\$ 300.00	1	\$ 300.00		\$ -
116	630	ODOT Item - 630E84510 - Rigid Overhead Sign Support Foundation	4	EACH	\$ 2,800.00	\$ 11,200.00	4	\$ 11,200.00		\$ -
117	630	ODOT Item - 630E87510 - Removal of Pole Mounted Sign and Storage	225	EACH	\$ 13.50	\$ 3,037.50	225	\$ 3,037.50		\$ -
118	630	ODOT Item - 630E87520 - Removal of Pole Mounted Sign and Reerection	20	EACH	\$ 71.00	\$ 1,420.00	20	\$ 1,420.00		\$ -
119	630	ODOT Item - 630E97700 - Signing, Misc.: Parking Meter Support	29	EACH	\$ 150.00	\$ 4,350.00	29	\$ 4,350.00		\$ -
120	630	ODOT Item - 630E97700 - SigninG, Misc.: Pay Station Signing Support	12	EACH	\$ 175.00	\$ 2,100.00	12	\$ 2,100.00		\$ -
121	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Parking Meter and Reerection	12	EACH	\$ 50.00	\$ 600.00	12	\$ 600.00		\$ -
122	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Signing and Storage	9	EACH	\$ 15.00	\$ 135.00	9	\$ 135.00		\$ -
123	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Signing and Storage	9	EACH	\$ 50.00	\$ 450.00	9	\$ 450.00		\$ -
124	630	Overhead Sign Support, Design A1, As Per Plan	2	EACH	\$ 27,000.00	\$ 54,000.00	2	\$ 54,000.00		\$ -
125	630	Overhead Sign Support, Design A2, As Per Plan	4	EACH	\$ 22,500.00	\$ 90,000.00	4	\$ 90,000.00		\$ -
126	630	Overhead Sign Support, Design A2.1, As Per Plan	3	EACH	\$ 15,000.00	\$ 45,000.00	3	\$ 45,000.00		\$ -
127	630	Concrete for Anchor Base Foundations	431	CF	\$ 75.00	\$ 32,325.00	431	\$ 32,325.00		\$ -
128	630	Signs "Flat Sheet", As Per Plan	365	SF	\$ 50.00	\$ 18,250.00	365	\$ 18,250.00		\$ -
129	630	Signs Erected "Flat Sheet"	365	SF	\$ 31.00	\$ 11,315.00	365	\$ 11,315.00		\$ -
130	632	Vehicular Signal Head, 3-Section, 12 inch Lens, 1-Way	139	EACH	\$ 675.00	\$ 93,825.00	139	\$ 93,825.00		\$ -
131	632	Vehicular Signal Head, 4-Section, 12 inch Lens, 1-Way	5	EACH	\$ 800.00	\$ 4,000.00	5	\$ 4,000.00		\$ -
132	632	Vehicular Signal Head, 5-Section, 12 inch Lens, 1-Way	3	EACH	\$ 1,000.00	\$ 3,000.00	3	\$ 3,000.00		\$ -
133	632	Pedestrian Signal Head, Type D2	152	EACH	\$ 525.00	\$ 79,800.00	152	\$ 79,800.00		\$ -
134	632	Pedestrian Push-button	152	EACH	\$ 250.00	\$ 38,000.00	152	\$ 38,000.00		\$ -
135	632	Signal Support Foundation	63	EACH	\$ 2,200.00	\$ 138,600.00	63	\$ 138,600.00		\$ -
136	632	Pedestal Foundation	91	EACH	\$ 600.00	\$ 54,600.00	91	\$ 54,600.00		\$ -
137	632	Signal Support, Type TC-81.21, Design 3	15	EACH	\$ 5,400.00	\$ 81,000.00	15	\$ 81,000.00		\$ -
138	632	Signal Support, Type TC-81.21, Design 11	7	EACH	\$ 7,500.00	\$ 52,500.00	7	\$ 52,500.00		\$ -
139	632	Signal Support, Type TC-81.21, Design 12	1	EACH	\$ 8,250.00	\$ 8,250.00	1	\$ 8,250.00		\$ -
140	632	Combination Signal Support, Type TC-81.21, Design 3	18	EACH	\$ 6,000.00	\$ 108,000.00	18	\$ 108,000.00		\$ -
141	632	Combination Signal Support, Type TC-81.21, Design 11	17	EACH	\$ 7,950.00	\$ 135,150.00	17	\$ 135,150.00		\$ -
142	632	Combination Signal Support, Type TC-81.21, Design 12	5	EACH	\$ 8,650.00	\$ 43,250.00	5	\$ 43,250.00		\$ -
143	632	Pedestal, 8 feet	90	EACH	\$ 560.00	\$ 50,400.00	90	\$ 50,400.00		\$ -
144	632	ODOT Item - 632E90010 - Pedestal, Misc.: Pedestal, 18'	1	EACH	\$ 1,000.00	\$ 1,000.00	1	\$ 1,000.00		\$ -
145	632	Signal Cable, 5-Conductor No. 14 AWG	22552	L.F.	\$ 2.00	\$ 45,104.00	22552	\$ 45,104.00		\$ -

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST						January 15, 2015				
CODE NUMBER: 2010-049-00						ODOT PID NUMBER: 88990				
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/ CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
146	632	Signal Cable, 7-Conductor No. 14 AWG	13453	L.F.	\$ 2.50	\$ 33,632.50	13453	\$ 33,632.50		\$ -
147	632	Loop Detector Lead-in Cable	21233	L.F.	\$ 3.00	\$ 63,699.00	21233	\$ 63,699.00		\$ -
148	632	Power Service	21	EACH	\$ 1,750.00	\$ 36,750.00	21	\$ 36,750.00		\$ -
149	632	Removal of Traffic Signal Installation	21	EACH	\$ 2,000.00	\$ 42,000.00	21	\$ 42,000.00		\$ -
150	632	Signalization, Misc.: Test Hole Performed	63	EACH	\$ 500.00	\$ 31,500.00	63	\$ 31,500.00		\$ -
151	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH	\$ 13,750.00	\$ 275,000.00	20	\$ 275,000.00		\$ -
152	633	Controller Unit, Type TS2/A2	1	Each	\$ 12,000.00	\$ 12,000.00	1	\$ 12,000.00		\$ -
153	633	Cabinet Foundation	20	EACH	\$ 1,850.00	\$ 37,000.00	20	\$ 37,000.00		\$ -
154	633	Controller Work Pad	2	EACH	\$ 500.00	\$ 1,000.00	2	\$ 1,000.00		\$ -
155	633	Uninterruptible Power Supply (UPS)	21	EACH	\$ 4,250.00	\$ 89,250.00	21	\$ 89,250.00		\$ -
156	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption Priority Control	21	EACH	\$ 9,000.00	\$ 189,000.00	21	\$ 189,000.00		\$ -
157	633	ODOT Item 633E99000 Controller Item, Misc.: Fiber Optic Ethernet Transceiver	21	EACH	\$ 250.00	\$ 5,250.00	21	\$ 5,250.00		\$ -
158	645	ODOT Item - 645E00110 - Edge Line, 4", Type A3	7	MILE	\$ 12,000.00	\$ 84,000.00	7	\$ 84,000.00		\$ -
159	645	ODOT Item - 645E00210 - Lane Lane, 4", Type A3	4	MILE	\$ 8,250.00	\$ 33,000.00	4	\$ 33,000.00		\$ -
160	645	ODOT Item - 645E00310 - Center Line, Type A3	2	MILE	\$ 32,000.00	\$ 64,000.00	2	\$ 64,000.00		\$ -
161	645	ODOT Item - 645E00410 - Channelizing Line, 8", Type A3	2936	FT	\$ 10.00	\$ 29,360.00	2936	\$ 29,360.00		\$ -
162	645	ODOT Item - 645E00510 - Stop Line, Type A3	2030	FT	\$ 15.00	\$ 30,450.00	2030	\$ 30,442.50		\$ -
163	645	ODOT Item - 645E00610 - Crosswalk Line, Type A3	6237	FT	\$ 7.00	\$ 43,659.00	6237	\$ 43,659.00		\$ -
164	645	ODOT Item - 645E00710 - Transverse/Diagonal Line, Type A3	4017	FT	\$ 15.00	\$ 60,255.00	4017	\$ 60,255.00		\$ -
165	645	ODOT Item - 645E00910 - Island Marking, Type A3	100	SF	\$ 22.50	\$ 2,250.00	100	\$ 2,250.00		\$ -
166	645	ODOT Item - 645E01210 - Parking Lot Stall Marking, Type A3	1600	FT	\$ 5.00	\$ 8,000.00	1600	\$ 8,000.00		\$ -
167	645	ODOT Item - 645E01310 - Lane Arrow, Type A3	65	EACH	\$ 335.00	\$ 21,775.00	65	\$ 21,775.00		\$ -
168	645	ODOT Item - 645E01480 - Dotted Line, 4", Type A3	3025	FT	\$ 3.50	\$ 10,587.50	3025	\$ 10,587.50		\$ -
169	645	ODOT Item - 645E01644 - Bike Lane Symbol Marking, Type A3	41	EACH	\$ 2,000.00	\$ 82,000.00	41	\$ 82,000.00		\$ -
170	645	ODOT Item - 645E01704 - Shared Lane Marking, Type A3	16	EACH	\$ 2,500.00	\$ 40,000.00	16	\$ 40,000.00		\$ -
171	645	ODOT Item - 645E30000 - Removal of Pavement Marking	2294	FT	\$ 1.00	\$ 2,294.00	2294	\$ 2,294.00		\$ -
172	653	Topsoil Furnished & Placed, 4" Thick	280	C.Y.	\$ 45.00	\$ 12,600.00	280	\$ 12,600.00		\$ -
173	653	Topsoil Furnished & Placed, 6" Thick	90	C.Y.	\$ 45.00	\$ 4,050.00	90	\$ 4,050.00		\$ -
174	659	Lawn Seeding and Mulching	2181	S.Y.	\$ 1.50	\$ 3,271.50	2181	\$ 3,271.50		\$ -
175	662	Planting Shrubs	541	EACH	\$ 70.00	\$ 37,870.00		\$ -	541	\$ 37,870.00
176	662	Planting Perennials/Ornamental Grass	1409	EACH	\$ 20.00	\$ 28,180.00		\$ -	1409	\$ 28,180.00
177	663	Tree Planting in Lawn Area	26	EACH	\$ 450.00	\$ 11,700.00	26	\$ 11,700.00		\$ -
178	663	Tree Planting with Pit/Grate and Tree Removal	9	EACH	\$ 2,000.00	\$ 18,000.00	9	\$ 18,000.00		\$ -
179	663	Tree Planting with Existing Pit	15	EACH	\$ 1,200.00	\$ 18,000.00	15	\$ 18,000.00		\$ -
180	663	Tree Planting with pit/Grate	23	EACH	\$ 1,500.00	\$ 34,500.00	23	\$ 34,500.00		\$ -
181	663	Tree Planting in New Pavement with Pit/Grate	30	EACH	\$ 2,000.00	\$ 60,000.00	30	\$ 60,000.00		\$ -
182	Special	Bioretention Cells	5	EACH	\$ 10,000.00	\$ 50,000.00	5	\$ 50,000.00		\$ -
183	Special	Irrigation	4524	S.F.	\$ 2.00	\$ 9,048.00	4524	\$ 9,048.00		\$ -
184	Special	Water Main Tie-In for Irrigation Complete (Permit, Backflow, Etc.)	10	EACH	\$ 4,500.00	\$ 45,000.00	10	\$ 45,000.00		\$ -
185	455	Planter Curbs - as per plan	286	L.F.	\$ 15.00	\$ 4,290.00	286	\$ 4,290.00		\$ -
186	564	4" Pipe Underdrains	2681	L.F.	\$ 7.00	\$ 18,767.00	2681	\$ 18,767.00		\$ -
187	804	ODOT Item 804E15011 Fiber Optic Cable, 48 Fiber, As Per Plan	12135	L.F.	\$ 4.00	\$ 48,540.00	12135	\$ 48,540.00		\$ -
188	804	ODOT Item 804E30001 Fan-out Kit, 6 Fiber, As Per Plan	21	EACH	\$ 125.00	\$ 2,625.00	21	\$ 2,625.00		\$ -
189	804	ODOT Item 804E32001 Drop Cable, 6 Fiber, As Per Plan	21	EACH	\$ 500.00	\$ 10,500.00	21	\$ 10,500.00		\$ -
190	804	ODOT Item 804E33000 Fiber Optic Patch Cord, 4 Fiber	21	EACH	\$ 150.00	\$ 3,150.00	21	\$ 3,150.00		\$ -
191	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per Plan	21	EACH	\$ 1,350.00	\$ 28,350.00	21	\$ 28,350.00		\$ -
192	804	ODOT Item 804E35001 Fusion Splice, As Per Plan	498	EACH	\$ 120.00	\$ 59,760.00	498	\$ 59,760.00		\$ -
193	804	ODOT Item 804E36001 Slack Installation, As Per Plan	35	EACH	\$ 275.00	\$ 9,625.00	35	\$ 9,625.00		\$ -
194	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan	26	EACH	\$ 1,200.00	\$ 31,200.00	26	\$ 31,200.00		\$ -

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST						January 15, 2015				
CODE NUMBER: 2010-049-00						ODOT PID NUMBER: 88990				
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
195	804	ODOT Item 804E37501 Fiber Optic Connector, As Per Plan	126	EACH	\$ 60.00	\$ 7,560.00	126	\$ 7,560.00		\$ -
196	804	ODOT Item 804E37701 Fiber Optic Cable Testing, As Per Plan	1	L.S.	\$ 1,500.00	\$ 1,500.00	1	\$ 1,500.00		\$ -
197	804	ODOT Item 804E38000 Fiber Optic Cable Modem	21	EACH	\$ 1,700.00	\$ 35,700.00	21	\$ 35,700.00		\$ -
198	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Cleave Tool	1	EACH	\$ 250.00	\$ 250.00	1	\$ 250.00		\$ -
199	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Fiber Termination Tool Kit	1	EACH	\$ 250.00	\$ 250.00	1	\$ 250.00		\$ -
200	816	ODOT Item 816E30001 Video Detection System, As Per Plan	21	EACH	\$ 13,400.00	\$ 281,400.00	21	\$ 281,400.00		\$ -
201	832	ODOT Item 832 - Erosion Control	25000	EACH	\$ 1.00	\$ 25,000.00	25000	\$ 25,000.00		\$ -
202	832	ODOT Item 832 - Storm Water Pollution Prevention Plan	1	EACH	\$ 5,000.00	\$ 5,000.00	1	\$ 5,000.00		\$ -
203	Special	Full Depth Pavement Repair, As Directed	2200	S.Y.	\$ 40.00	\$ 88,000.00	2200	\$ 88,000.00		\$ -
204	Special	Full Depth Rigid Removal and Replacement, As Directed	2200	S.Y.	\$ 80.00	\$ 176,000.00	2200	\$ 176,000.00		\$ -
205	Special	Preconstruction Video	1	L.S.	\$ 15,000.00	\$ 15,000.00	0.91	\$ 13,650.00	0.09	\$ 1,350.00
206	Special	ODOT Item 690E65010 Work Involving Solid Waste	150	C.Y.	\$ 150.00	\$ 22,500.00	150	\$ 22,500.00		\$ -
		Estimated Construction Cost				\$ 9,197,364.00		\$ 8,972,507.50		\$ 224,549.00
		SUBSTITUTION ALTERNATE #1 - PREEMPTION PRIORITY CONTROL								
207	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption Priority Control (Replaces Base Bid Reference No. 156)	21	EACH	\$ 9,000.00	\$ 189,000.00	21	\$ 189,000.00		\$ -
		SUBSTITUTION ALTERNATE #2 - VIDEO DETECTION SYSTEM								
208	633	ODOT Item 816E30001 Video Detection System, As Per Plan (Replaces Base Bid Reference No. 200)	21	EACH	\$ 13,400.00	\$ 281,400.00	21	\$ 281,400.00		\$ -
		SUBSTITUTION ALTERNATE #3 - UNINTERRUPTIBLE POWER SUPPLY								
209	633	Uninterruptible Power Supply (UPS) (Replaces Base Bid Reference No. 155)	21	EACH	\$ 4,250.00	\$ 89,250.00	21	\$ 89,250.00		\$ -
		SUBSTITUTION ALTERNATE #4 - TERMINATION PANEL								
210	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per Plan (Replaces Base Bid Reference No. 191)	21	EACH	\$ 1,350.00	\$ 28,350.00	21	\$ 28,350.00		\$ -
		SUBSTITUTION ALTERNATE #5 - CONTROLLER UNIT								
211	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH	\$ 13,750.00	\$ 275,000.00	20	\$ 275,000.00		\$ -
	633	Controller Unit, Type TS2/A2 (Replaces Base Bid Reference No. 151 and No. 152)	1	EACH	\$ 12,000.00	\$ 12,000.00	1	\$ 12,000.00		\$ -
		SUBSTITUTION ALTERNATE #6 - SPLICE ENCLOSURE								
212	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan (Replaces Base Bid Reference No. 194)	21	EACH	\$ 1,200.00	\$ 25,200.00	21	\$ 25,200.00		\$ -
		SUBSTITUTION ALTERNATE #7 - PEDESTRIAN PUSH-BUTTON								
213	632	Pedestrian Push-button (Replaces Base Bid Reference No. 134)	152	EACH	\$ 250.00	\$ 38,000.00	152	\$ 38,000.00		\$ -
		SUBSTITUTION ALTERNATE #8 - SEEDING								
214	668	Seeding and Excelsior Matting, As Per Plan (Replaces Base Bid Reference No. 176)	352	S.Y.	\$ 3.00	\$ 1,056.00	352	\$ 1,056.00		\$ -

ESTIMATE OF PROJECT COSTS										
PROJECT: SUM CEDAR / EXCHANGE ST					January 15, 2015					
CODE NUMBER: 2010-049-00					ODOT PID NUMBER: 88990					
TRACING ESTIMATE										
REF.	ITEM	DESCRIPTION	TOTAL QUANTITY	UNITS	PRICE	TOTAL COST	SAFETY/STP/CMAQ QUANTITY	SAFETY/STP/CMAQ COST	100% LOCAL QUANTITY	100% LOCAL COST
ADD ALTERNATE #1 - CITY COMMUNICATION SYSTEM										
215	625	4" Schedule 40 PVC Conduit, Not Encased	16856	L.F.	\$ 10.00	\$ 168,560.00		\$ -	16856	\$ 168,560.00
216	625	ODOT Item - 625E25600 - Conduit, 4", 725.04	1548	L.F.	\$ 22.50	\$ 34,830.00		\$ -	1548	\$ 34,830.00
217	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete	2	EACH	\$ 950.00	\$ 1,900.00		\$ -	2	\$ 1,900.00
Bid Alternate #1 Total Costs						\$ 205,290.00				\$ 205,290.00

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

TO THE DIRECTOR OF PUBLIC SERVICE OF THE CITY OF AKRON:

The undersigned proposes to furnish all labor, materials, and equipment for and construct the following improvement and all other work incidental thereto, including any and all work and materials that may be necessary to connect the work done with the adjoining work, in a proper and workmanlike manner, and according to the plans and profiles on file in the Bureau of Engineering, and upon the terms and conditions of the specifications and form of contract bound herewith and the rules and regulations of the City, and under the direction and to the satisfaction of the Director of Public Service, at the following unit rates, to-wit:

PLEASE TYPE OR USE BLACK INK

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
1	103.05	Contract Performance Bond	1	L.S.		
2	201	Clearing and Grubbing	1	L.S.		
3	202	Pavement Removed	4349	S.Y.		
4	202	Wearing Course Removed 1.25" Thick	80667	S.Y.		
5	202	Concrete Grinding 3" Thick	4829	S.Y.		
6	202	Curb Removed	8508	L.F.		
7	202	Manhole Removed	1	EACH		
8	202	Water Mains Removed	461	L.F.		
9	202	Light Pole Removed for Storage	2	EACH		
10	202	Light Pole Foundation Removed	12	EACH		
11	202	Luminaire Removed	2	EACH		
12	202	Remove and Re-erect Existing Light Pole and Luminaire	11	EACH		
13	202	Disconnect Circuit	6	EACH		
14	203	Subgrade Compaction	1743	S.Y.		
15	203	Excavation	150	C.Y.		
16	254	12 inch Ductile Iron Pipe	461	L.F.		
17	258	12 inch Gate Valve	2	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
18	259	12" 45 Degree Bend	4	EACH		
19	259	12" Solid Sleeve	2	EACH		
20	260	Fire Hydrant Relocated	2	EACH		
21	263	Tying Into Existing 12 inch Main	2	EACH		
22	301	9 inch Bituminous Aggregate Base	420	C.Y.		
23	304	Aggregate Base 6 inch Thick (Limestone Only)	280	C.Y.		
24	305	9 Inch Portland Concrete Cement Base	790	SY		
25	407	Tack Coat	7126	GAL.		
26	446	Asphalt Concrete Surface Course, Type 1, Medium	2961	C.Y.		
27	446	Asphalt Concrete Intermediate Course, Type 2, Medium	312	C.Y.		
28	451	Reinforced Portland Cement Concrete Pavement, 12" Thick, As Per Plan	1870	S.Y.		
29	452	9 inch Plain Portland Cement Concrete Pavement	100	S.Y.		
30	455	Curb, Type 6" X 18"	8364	L.F.		
31	455	Combination Curb and Gutter	144	L.F.		
32	456	Concrete Walk, 6 inches Thick	82750	S.F.		
33	456	Curb Ramps	141	EACH		
34	456	Retrofit Composite Tactile Warning Strip	8	EACH		
35	456	Concrete Driveway Reconstruction, 6 inches Thick	12550	S.F.		
36	Special	Decorative Concrete Walk, 6" Thick	5512	S.F.		
37	Special	Stamped Crosswalk with Pavement Headers Complete	12271	S.F.		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
38	553	12 inch Inlet Connection, RCP, Class "B" Bedding	668	L.F.		
39	553	15 inch Inlet Connection, RCP, Class "B" Bedding	196	L.F.		
40	557	12 inch Sanitary Sewer, Class B Bedding	14	L.F.		
41	557	24 inch Sanitary Sewer, Class B Bedding	150	L.F.		
42	562	Manhole MH-2A on Sanitary Sewer	1	EACH		
43	562	Manhole MH-2A on Storm Sewer	5	EACH		
44	562	Manhole Adjusted	28	EACH		
45	563	Inlet, Double No. 2	1	EACH		
46	563	Inlet, No. 5	21	EACH		
47	563	Inlet, Double No. 5	8	EACH		
48	563	Inlet Adjusted	13	EACH		
49	611	ODOT Item 611E98470 Catch Basin, No. 2-2B	5	EACH		
50	564	4 inch Pipe Underdrains	15614	L.F.		
51	614	Maintaining Traffic, As Per Plan	1	L.S.		
52	618	Computer Equipment	1	Allow.		\$5,000.00
53	619	Field Office (12 Months)	1	L.S.		
54	623	Construction Layout Stakes	1	L.S.		
55	624	Mobilization	1	L.S.		
56	625	Ground Rod (Signalization)	173	EACH		
57	625	Ground Rod (Lighting)	13	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
58	625	Ground Rod (Traffic)	4	EACH		
59	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Signalization)	98	EACH		
60	625	Pull Box, 30"x48"x24", Reinforced Polymer Concrete (Signalization)	39	EACH		
61	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Lighting)	66	EACH		
62	625	Trenching and Backfill, 24" Deep (Signalization)	1301	L.F.		
63	625	Trench in Paved Areas, Type A (Signalization)	1864	L.F.		
64	625	Trench for Fiber Optic Cable, As Per Plan (Signalization)	8622	L.F.		
65	625	Trench in Paved Areas, Type B (Signalization)	5574	L.F.		
66	625	Trenching and Backfill, 24" Deep (Lighting)	800	L.F.		
66A	625	Trench in Paved Areas, Type A (Lighting)	1300	L.F.		
66B	625	Trench in Paved Areas, Type B (Lighting)	1400	L.F.		
67	625	2" Schedule 40 PVC Conduit, Not Encased (Signalization)	1105	L.F.		
68	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Lighting)	65	L.F.		
69	625	2" Schedule 40 PVC Conduit, Not Encased (Lighting)	2053	L.F.		
70	625	ODOT Item - 625E25400 - Conduit, 2", 725.04 (Signalization)	74	L.F.		
71	625	3" Schedule 40 PVC Conduit, Not Encased (Signalization)	11666	L.F.		
72	625	3" Schedule 40 PVC Conduit, Encased (Signalization)	5574	L.F.		
73	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Lighting)	445	L.F.		
74	625	3" Schedule 40 PVC Conduit, Encased (Lighting)	2264	L.F.		
75	625	ODOT Item - 625E25500 - Conduit, 3", 725.04 (Signalization)	1270	L.F.		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
76	625	ODOT Item - 625E25503 - Conduit, 3", 725.05, As Per Plan (Signalization)	597	L.F.		
77	625	Plastic Caution Tape (Signalization)	17361	L.F.		
78	625	Plastic Caution Tape (Lighting)	4827	L.F.		
79	625	Light Pole, Conventional	2	EACH		
80	625	Light Pole Foundation	13	EACH		
81	625	Bracket Arm, 8'	18	EACH		
82	625	Bracket Arm, 12'	7	EACH		
83	625	Bracket Arm, 15'	7	EACH		
84	625	Bracket Arm, 20'	5	EACH		
85	625	Bracket Arm, 25'	4	EACH		
86	625	Luminaire, Conventional, 107W, Solid State (LED), Type II	41	EACH		
87	625	Luminaire, Underpass, 40W, Solid State (LED)	24	EACH		
88	625	Luminaire, Conventional, 250W, HPS	2	EACH		
89	625	No. 6 AWG, Type USE Copper 5000 Volt Distribution Cable	13833	L.F.		
90	625	No. 4 AWG, Type USE Copper 5000 Volt Distribution Cable	4128	L.F.		
91	625	No. 10 AWG, Type THHN Pole and Bracket Cable	4052	L.F.		
92	625	Connection, Fused, Pull-Apart	78	EACH		
93	625	Connection, Unfused, Pull-Apart	78	EACH		
94	625	Connection, Unfused, Permanent	198	EACH		
95	629	Street Name Sign	30	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
96	629	Street Name Sign Assembly	15	EACH		
97	629	Street Name Sign Assembly on Mast Arm	63	EACH		
98	630	Ground-Mounted Supports, No. 2 Post, As Per Plan	2817	L.F.		
99	630	Ground-Mounted Supports, No. 3 Post, As Per Plan	1274	L.F.		
100	630	One Way Supports, As Per Plan	187	L.F.		
101	630	Overhead Sign Support, Type 9.30, Design 1	1	EACH		
102	630	Overhead Sign Support, Type 9.30, Design 2	1	EACH		
103	630	Overhead Sign Support, Type 12.30, Design 3, Span 12 Feet	1	EACH		
104	630	Overhead Sign Support, Type 12.30, Design 3, Span 13 Feet	1	EACH		
105	630	Sign Hanger Assembly, Mast Arm	47	EACH		
106	630	Sign Support Assembly, Pole	8	EACH		
107	630	Signs, Flat Sheet	2300	SF		
108	630	Signs, Flat Sheet, As Per Plan	157	SF		
109	630	Removal of Ground Mounted Sign and Storage	198	EACH		
110	630	Removal of Ground Mounted Sign and Reerection	7	EACH		
111	630	Removal of Ground Mounted Post Support	138	EACH		
112	630	Removal of Overhead Mounted Sign and Storage	123	EACH		
113	630	Removal of Overhead Mounted Sign and Reerection	2	EACH		
114	630	Removal of Overhead Mounted Sign Support and Storage	2	EACH		
115	630	Removal of Overhead Mounted Sign Support and Storage, As Per Plan	1	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
116	630	ODOT Item - 630E84510 - Rigid Overhead Sign Support Foundation	4	EACH		
117	630	ODOT Item - 630E87510 - Removal of Pole Mounted Sign and Storage	225	EACH		
118	630	ODOT Item - 630E87520 - Removal of Pole Mounted Sign and Reerection	20	EACH		
119	630	ODOT Item - 630E97700 - Signing, Misc.: Parking Meter Support	29	EACH		
120	630	ODOT Item - 630E97700 - SigninG, Misc.: Pay Station Signing Support	12	EACH		
121	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Parking Meter and Reerection	12	EACH		
122	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Signing and Storage	9	EACH		
123	630	ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Signing and Reerection	9	EACH		
124	630	Overhead Sign Support, Design A1, As Per Plan	2	EACH		
125	630	Overhead Sign Support, Design A2, As Per Plan	4	EACH		
126	630	Overhead Sign Support, Design A2.1, As Per Plan	3	EACH		
127	630	Concrete for Anchor Base Foundations	431	CF		
128	630	Signs "Flat Sheet", As Per Plan	365	SF		
129	630	Signs Erected "Flat Sheet"	365	SF		
130	632	Vehicular Signal Head, 3-Section, 12 inch Lens, 1-Way	139	EACH		
131	632	Vehicular Signal Head, 4-Section, 12 inch Lens, 1-Way	5	EACH		
132	632	Vehicular Signal Head, 5-Section, 12 inch Lens, 1-Way	3	EACH		
133	632	Pedestrian Signal Head, Type D2	152	EACH		
134	632	Pedestrian Push-button	152	EACH		
135	632	Signal Support Foundation	63	EACH		
136	632	Pedestal Foundation	91	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
137	632	Signal Support, Type TC-81.21, Design 3	15	EACH		
138	632	Signal Support, Type TC-81.21, Design 11	7	EACH		
139	632	Signal Support, Type TC-81.21, Design 12	1	EACH		
140	632	Combination Signal Support, Type TC-81.21, Design 3	18	EACH		
141	632	Combination Signal Support, Type TC-81.21, Design 11	17	EACH		
142	632	Combination Signal Support, Type TC-81.21, Design 12	5	EACH		
143	632	Pedestal, 8 feet	90	EACH		
144	632	ODOT Item - 632E90010 - Pedestal, Misc.: Pedestal, 18'	1	EACH		
145	632	Signal Cable, 5-Conductor No. 14 AWG	22552	L.F.		
146	632	Signal Cable, 7-Conductor No. 14 AWG	13453	L.F.		
147	632	Loop Detector Lead-in Cable	21233	L.F.		
148	632	Power Service	21	EACH		
149	632	Removal of Traffic Signal Installation	21	EACH		
150	632	Signalization, Misc.: Test Hole Performed	63	EACH		
151	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH		
152	633	Controller Unit, Type TS2/A2	1	EACH		
153	633	Cabinet Foundation	20	EACH		
154	633	Controller Work Pad	2	EACH		
155	633	Uninterruptible Power Supply (UPS)	21	EACH		
156	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption Priority Control	21	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
157	633	ODOT Item 633E99000 Controller Item, Misc.: Fiber Optic Ethernet Transceiver	21	EACH		
158	645	ODOT Item - 645E00110 - Edge Line, 4", Type A3	7	MILE		
159	645	ODOT Item - 645E00210 - Lane Lane, 4", Type A3	4	MILE		
160	645	ODOT Item - 645E00310 - Center Line, Type A3	2	MILE		
161	645	ODOT Item - 645E00410 - Channelizing Line, 8", Type A3	2936	FT		
162	645	ODOT Item - 645E00510 - Stop Line, Type A3	2030	FT		
163	645	ODOT Item - 645E00610 - Crosswalk Line, Type A3	6237	FT		
164	645	ODOT Item - 645E00710 - Transverse/Diagonal Line, Type A3	4017	FT		
165	645	ODOT Item - 645E00910 - Island Marking, Type A3	100	SF		
166	645	ODOT Item - 645E01210 - Parking Lot Stall Marking, Type A3	1600	FT		
167	645	ODOT Item - 645E01310 - Lane Arrow, Type A3	65	EACH		
168	645	ODOT Item - 645E01480 - Dotted Line, 4", Type A3	3025	FT		
169	645	ODOT Item - 645E01644 - Bike Lane Symbol Marking, Type A3	41	EACH		
170	645	ODOT Item - 645E01704 - Shared Lane Marking, Type A3	16	EACH		
171	645	ODOT Item - 645E30000 - Removal of Pavement Marking	2294	FT		
172	653	Topsoil Furnished & Placed, 4" Thick	280	C.Y.		
173	653	Topsoil Furnished & Placed, 6" Thick	90	C.Y.		
174	659	Lawn Seeding and Mulching	2181	S.Y.		
175	662	Planting Shrubs	541	EACH		
176	662	Planting Perennials/Ornamental Grass	1409	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
177	663	Tree Planting in Lawn Area	26	EACH		
178	663	Tree Planting with Pit/Grate and Tree Removal	9	EACH		
179	663	Tree Planting with Existing Pit	15	EACH		
180	663	Tree Planting with pit/Grate	23	EACH		
181	663	Tree Planting in New Pavement with Pit/Grate	30	EACH		
182	Special	Bioretention Cells	5	EACH		
183	Special	Irrigation	4524	S.F.		
184	Special	Water Main Tie-In for Irrigation Complete (Permit, Backflow, Etc.)	10	EACH		
185	455	Planter Curbs - as per plan	286	L.F.		
186	564	4" Pipe Underdrains	2681	L.F.		
187	804	ODOT Item 804E15011 Fiber Optic Cable, 48 Fiber, As Per Plan	12135	L.F.		
188	804	ODOT Item 804E30001 Fan-out Kit, 6 Fiber, As Per Plan	21	EACH		
189	804	ODOT Item 804E32001 Drop Cable, 6 Fiber, As Per Plan	21	EACH		
190	804	ODOT Item 804E33000 Fiber Optic Patch Cord, 4 Fiber	21	EACH		
191	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per Plan	21	EACH		
192	804	ODOT Item 804E35001 Fusion Splice, As Per Plan	498	EACH		
193	804	ODOT Item 804E36001 Slack Installation, As Per Plan	35	EACH		
194	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan	26	EACH		
195	804	ODOT Item 804E37501 Fiber Optic Connector, As Per Plan	126	EACH		
196	804	ODOT Item 804E37701 Fiber Optic Cable Testing, As Per Plan	1	L.S.		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
197	804	ODOT Item 804E38000 Fiber Optic Cable Modem	21	EACH		
198	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Cleave Tool	1	EACH		
199	804	ODOT Item 804E98100 Fiber Optic Cable, Misc.: Fiber Termination Tool Kit	1	EACH		
200	816	ODOT Item 816E30001 Video Detection System, As Per Plan	21	EACH		
201	832	ODOT Item 832 - Erosion Control	25000	EACH	\$1.00	\$25,000.00
202	832	ODOT Item 832 - Storm Water Pollution Prevention Plan	1	EACH		
203	Special	Full Depth Pavement Repair, As Directed	2200	S.Y.		
204	Special	Full Depth Rigid Removal and Replacement, As Directed	2200	S.Y.		
205	Special	Preconstruction Video	1	L.S.		
206	Special	Work Involving Solid Waste	150	C.Y.		
UNOFFICIAL CONSTRUCTION COST :						
SUBSTITUTION ALTERNATE #1 - PREEMPTION PRIORITY CONTROL						
ALT#1	633	ODOT Item 633E99000 Controller Item, Misc.: Preemption Priority Control (Replaces Base Bid Reference No. 156)	21	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #1						
SUBSTITUTION ALTERNATE #2 - VIDEO DETECTION SYSTEM						
ALT#2	633	ODOT Item 816E30001 Video Detection System, As Per Plan (Replaces Base Bid Reference No. 200)	21	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #2						
SUBSTITUTION ALTERNATE #3 - UNINTERRUPTIBLE POWER SUPPLY						
ALT#3	633	Uninterruptible Power Supply (UPS) (Replaces Base Bid Reference No. 155)	21	EACH		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
UNOFFICIAL CONSTRUCTION COST ALT. #3						
SUBSTITUTION ALTERNATE #4 - TERMINATION PANEL						
ALT#4	804	ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per Plan (Replaces Base Bid Reference No. 191)	21	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #4						
SUBSTITUTION ALTERNATE #5 - CONTROLLER UNIT						
ALT#5	633	Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	EACH		
	633	Controller Unit, Type TS2/A2 (Replaces Base Bid Reference No. 151 and No. 152)	1	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #5						
SUBSTITUTION ALTERNATE #6 - SPLICE ENCLOSURE						
ALT#6	804	ODOT Item 804E37001 Splice Enclosure, As Per Plan (Replaces Base Bid Reference No. 194)	21	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #6						
ALTERNATE #7						
SUBSTITUTION ALTERNATE #7 - PEDESTRIAN PUSH-BUTTON						
ALT#7	632	Pedestrian Push-button (Replaces Base Bid Reference No. 134)	152	EACH		
UNOFFICIAL CONSTRUCTION COST ALT. #7						
ALTERNATE #8						
SUBSTITUTION ALTERNATE #8 - SEEDING						
ALT#8	668	Seeding and Excelsior Matting, As Per Plan (Replaces Base Bid Reference No. 176)	352	S.Y.		

BIDDING SCHEDULE FOR: W Exchange Cedar Signalization PID 88990

REF. NO.	ITEM NO.	ITEM - DESCRIPTION	ESTIMATED QUANTITY AND UNIT		(MUST BE COMPLETED) UNIT PRICE IN FIGURES	TOTAL ITEM COST (QUANTITY x UNIT PRICE)
UNOFFICIAL CONSTRUCTION COST ALT. #8						
ADD ALTERNATE #1						
ADD ALTERNATE #1 - CITY COMMUNICATION SYSTEM						
ADD ALT #1	625	4" Schedule 40 PVC Conduit, Not Encased	16856	L.F.		
	625	ODOT Item - 625E25600 - Conduit, 4", 725.04	1548	L.F.		
	625	Pull Box, 24"x36"x24", Reinforced Polymer Concrete	2	EACH		
UNOFFICAL CONSTRUCTION COST ADD ALT #1						
PLEASE COMPLETE THE PROPOSAL FORMS BOUND HEREIN AND SUBMIT THE ENTIRE BOOK. DO NOT REMOVE ANY PAGES. ALL ERASURES MUST BE INITIALED AND DATED BY THE BIDDER.						

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██████████ NEED NOT BE COMPLETED

BIDDING SCHEDULE CONTINUED ON NEXT PAGE

**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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This is to certify that the work as listed above has been completed in accordance with the contract documents, that all items are paid for which previous certificates for payment were issued and payments received, and that the current payment is now due.

TOTAL COMPLETED TO DATE _____
 STORED MATERIALS _____
 TOTAL COMPLETED & STORED _____
 LESS _____ RETAINAGE _____
 TOTAL EARNED LESS RETAINAGE _____
 LESS PREVIOUS PAYMENTS _____
 LESS ADDITIONAL DEDUCTIONS _____
 CURRENT PAYMENT DUE _____

CONTRACTOR: _____

**CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE, BUREAU OF ENGINEERING
ENGINEER'S ESTIMATE**

ESTIMATE NO. _____ PROJECT _____
 DATE _____ CONTRACTOR _____
 CODE _____
 FINANCE DEPT. NO. _____

REF. NO.	ITEM NO.	DESCRIPTION	ESTIMATE QUANTITY	UNIT	ACTUAL QUANTITY	UNIT PRICE	COMPLETE TO DATE
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BY: _____ APPROVED: _____
CONSTRUCTION ENGINEER

DATE: _____

PAYROLLS REVIEWED/QUANTITIES CHECKED BY:

_____ PROJECT MANAGER APPROVED: _____
CITY ENGINEER

DATE: _____

1 Contract Performance Bond	1	1
2 Clearing and Grubbing	1	1
3 Pavement Removed	4349	4349
4 Wearing Course Removed 1.25" Thick	80667	80667
5 Concrete Grinding 3" Thick	4829	4829
6 Curb Removed	8508	8508
7 Manhole Removed	1	1
8 Water Mains Removed	461	461
9 Light Pole Removed for Storage	2	2
10 Light Pole Foundation Removed	12	12
11 Luminaire Removed	2	2
12 Remove and Re-erect Existing Light Pole and Luminaire	11	11
13 Disconnect Circuit	6	6
14 Subgrade Compaction	1743	1743
15 Excavation	150	150
16 12 inch Ductile Iron Pipe	461	461
17 12 inch Gate Valve	2	2
18 12" 45 Degree Bend	4	4
19 12" Solid Sleeve	2	2
20 Fire Hydrant Relocated	2	2
21 Tying Into Existing 12 inch Main	2	2
22 9 inch Bituminous Aggregate Base	420	420
23 Aggregate Base 6 inch Thick (Limestone Only)	280	280
24 9 Inch Portland Concrete Cement Base	790	790
25 Tack Coat	7126	7126
26 Asphalt Concrete Surface Course, Type 1, Medium	2961	2961
27 Asphalt Concrete Intermediate Course, Type 2, Medium	312	312
28 Reinforced Portland Cement Concrete Pavement, 12" Thick, As Per Plc	1870	1870
29 9 inch Plain Portland Cement Concrete Pavement	100	100
30 Curb, Type 6" X 18"	8364	8364
31 Combination Curb and Gutter	144	144
32 Concrete Walk, 6 inches Thick	82750	82750
33 Curb Ramps	141	141
34 Retrofit Composite Tactile Warning Strip	8	8
35 Concrete Driveway Reconstruction, 6 inches Thick	12550	12550
36 Decorative Concrete Walk, 6" Thick	5512	5512
37 Stamped Crosswalk with Pavement Headers Complete	12271	12271
38 12 inch Inlet Connection, RCP, Class "B" Bedding	668	668
39 15 inch Inlet Connection, RCP, Class "B" Bedding	196	196
40 12 inch Sanitary Sewer, Class B Bedding	14	14
41 24 inch Sanitary Sewer, Class B Bedding	150	150
42 Manhole MH-2A on Sanitary Sewer	1	1
43 Manhole MH-2A on Storm Sewer	5	5
44 Manhole Adjusted	28	28
45 Inlet, Double No. 2	1	1
46 Inlet, No. 5	21	21
47 Inlet, Double No. 5	8	8
48 Inlet Adjusted	13	13
49 Item 611E98470 Catch Basin, No. 2-2B	5	5
50 4 inch Pipe Underdrains	15614	15614
51 Maintaining Traffic, As Per Plan	1	1
52 Computer Equipment	1	1
53 Field Office (12 Months)	1	1

	54 Construction Layout Stakes	1	1
	55 Mobilization	1	1
	56 Ground Rod (Signalization)	173	173
	57 Ground Rod (Lighting)	13	13
	58 Ground Rod (Traffic)	4	4
	59 Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Signalization)	98	98
	60 Pull Box, 30"x48"x24", Reinforced Polymer Concrete (Signalization)	39	39
	61 Pull Box, 24"x36"x24", Reinforced Polymer Concrete (Lighting)	66	66
	62 Trenching and Backfill, 24" Deep (Signalization)	1301	1301
	63 Trench in Paved Areas, Type A (Signalization)	1864	1864
	64 Trench for Fiber Optic Cable, As Per Plan (Signalization)	8622	8622
	65 Trench in Paved Areas, Type B (Signalization)	5574	5574
	66 Trenching and Backfill, 24" Deep (Lighting)	800	800
66A	Trench in Paved Areas, Type A (Lighting)	1300	1300
66B	Trench in Paved Areas, Type B (Lighting)	1400	1400
	67 2" Schedule 40 PVC Conduit, Not Encased (Signalization)	1105	1105
	68 ODOT Item - 625E25400 - Conduit, 2", 725.04 (Lighting)	65	65
	69 2" Schedule 40 PVC Conduit, Not Encased (Lighting)	2053	2053
	70 ODOT Item - 625E25400 - Conduit, 2", 725.04 (Signalization)	74	74
	71 3" Schedule 40 PVC Conduit, Not Encased (Signalization)	11666	11666
	72 3" Schedule 40 PVC Conduit, Encased (Signalization)	5574	5574
	73 ODOT Item - 625E25500 - Conduit, 3", 725.04 (Lighting)	445	445
	74 3" Schedule 40 PVC Conduit, Encased (Lighting)	2264	2264
	75 ODOT Item - 625E25500 - Conduit, 3", 725.04 (Signalization)	1270	1270
	76 ODOT Item - 625E25503 - Conduit, 3", 725.05, As Per Plan (Signalizati	597	597
	77 Plastic Caution Tape (Signalization)	17361	17361
	78 Plastic Caution Tape (Lighting)	4827	4827
	79 Light Pole, Conventional	2	2
	80 Light Pole Foundation	13	13
	81 Bracket Arm, 8'	18	18
	82 Bracket Arm, 12'	7	7
	83 Bracket Arm, 15'	7	7
	84 Bracket Arm, 20'	5	5
	85 Bracket Arm, 25'	4	4
	86 Luminaire, Conventional, 107W, Solid State (LED), Type II	41	41
	87 Luminaire, Underpass, 40W, Solid State (LED)	24	24
	88 Luminaire, Conventional, 250W, HPS	2	2
	89 No. 6 AWG, Type USE Copper 5000 Volt Distribution Cable	13833	13833
	90 No. 4 AWG, Type USE Copper 5000 Volt Distribution Cable	4128	4128
	91 No. 10 AWG, Type THHN Pole and Bracket Cable	4052	4052
	92 Connection, Fused, Pull-Apart	78	78
	93 Connection, Unfused, Pull-Apart	78	78
	94 Connection, Unfused, Permanent	198	198
	95 Street Name Sign	30	30
	96 Street Name Sign Assembly	15	15
	97 Street Name Sign Assembly on Mast Arm	63	63
	98 Ground-Mounted Supports, No. 2 Post, As Per Plan	2817	2817
	99 Ground-Mounted Supports, No. 3 Post, As Per Plan	1274	1273.2
	100 One Way Supports, As Per Plan	187	186.5
	101 Overhead Sign Support, Type 9.30, Design 1	1	1
	102 Overhead Sign Support, Type 9.30, Design 2	1	1
	103 Overhead Sign Support, Type 12.30, Design 3, Span 12 Feet	1	1
	104 Overhead Sign Support, Type 12.30, Design 3, Span 13 Feet	1	1
	105 Sign Hanger Assembly, Mast Arm	47	47
	106 Sign Support Assembly, Pole	8	8

107 Signs, Flat Sheet	2300	2300.3
108 Signs, Flat Sheet, As Per Plan	157	156.7
109 Removal of Ground Mounted Sign and Storage	198	198
110 Removal of Ground Mounted Sign and Reerection	7	7
111 Removal of Ground Mounted Post Support	138	138
112 Removal of Overhead Mounted Sign and Storage	123	123
113 Removal of Overhead Mounted Sign and Reerection	2	2
114 Removal of Overhead Mounted Sign Support and Storage	2	2
115 Removal of Overhead Mounted Sign Support and Storage, As Per Plan	1	1
116 ODOT Item - 630E84510 - Rigid Overhead Sign Support Foundation	4	4
117 ODOT Item - 630E87510 - Removal of Pole Mounted Sign and Storage	225	225
118 ODOT Item - 630E87520 - Removal of Pole Mounted Sign and Reerection	20	20
119 ODOT Item - 630E97700 - Signing, Misc.: Parking Meter Support	29	29
120 ODOT Item - 630E97700 - Signing, Misc.: Pay Station Signing Support	12	12
121 ODOT Item - 630E97700 - Signing, Misc.: Removal of Parking Meter ar	12	12
122 ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Sign	9	9
123 ODOT Item - 630E97700 - Signing, Misc.: Removal of Pay Station Sign	9	9
124 Overhead Sign Support, Design A1, As Per Plan	2	2
125 Overhead Sign Support, Design A2, As Per Plan	4	4
126 Overhead Sign Support, Design A2.1, As Per Plan	3	3
127 Concrete for Anchor Base Foundations	430	430.4
128 Signs "Flat Sheet", As Per Plan	365	365
129 Signs Erected "Flat Sheet"	365	365
130 Vehicular Signal Head, 3-Section, 12 inch Lens, 1-Way	139	139
131 Vehicular Signal Head, 4-Section, 12 inch Lens, 1-Way	5	5
132 Vehicular Signal Head, 5-Section, 12 inch Lens, 1-Way	3	3
133 Pedestrian Signal Head, Type D2	152	152
134 Pedestrian Push-button	152	152
135 Signal Support Foundation	63	63
136 Pedestal Foundation	91	91
137 Signal Support, Type TC-81.21, Design 3	15	15
138 Signal Support, Type TC-81.21, Design 11	7	7
139 Signal Support, Type TC-81.21, Design 12	1	1
140 Combination Signal Support, Type TC-81.21, Design 3	18	18
141 Combination Signal Support, Type TC-81.21, Design 11	17	17
142 Combination Signal Support, Type TC-81.21, Design 12	5	5
143 Pedestal, 8 feet	90	90
144 ODOT Item - 632E90010 - Pedestal, Misc.: Pedestal, 18'	1	1
145 Signal Cable, 5-Conductor No. 14 AWG	22552	22552
146 Signal Cable, 7-Conductor No. 14 AWG	13453	13453
147 Loop Detector Lead-in Cable	21233	21233
148 Power Service	21	21
149 Removal of Traffic Signal Installation	21	21
150 Signalization, Misc.: Test Hole Performed	63	63
151 Controller Unit, TS2/Type 2, with Cabinet Type TS1	20	20
152 Controller Unit, Type TS2/A2	1	1
153 Cabinet Foundation	20	20
154 Controller Work Pad	2	2
155 Uninterruptible Power Supply (UPS)	21	21
156 ODOT Item 633E99000 Controller Item, Misc.: Preemption Priority Con	21	21
157 ODOT Item 633E99000 Controller Item, Misc.: Fiber Optic Ethernet Tra	21	21
158 ODOT Item - 645E00110 - Edge Line, 4", Type A3	7	6.54
159 ODOT Item - 645E00210 - Lane Lane, 4", Type A3	4	3.75
160 ODOT Item - 645E00310 - Center Line, Type A3	2	1.28
161 ODOT Item - 645E00410 - Channelizing Line, 8", Type A3	2936	2936

162 ODOT Item - 645E00510 - Stop Line, Type A3	2030	2030
163 ODOT Item - 645E00610 - Crosswalk Line, Type A3	6237	6237
164 ODOT Item - 645E00710 - Transverse/Diagonal Line, Type A3	4017	4017
165 ODOT Item - 645E00910 - Island Marking, Type A3	100	100
166 ODOT Item - 645E01210 - Parking Lot Stall Marking, Type A3	1600	1600
167 ODOT Item - 645E01310 - Lane Arrow, Type A3	65	65
168 ODOT Item - 645E01480 - Dotted Line, 4", Type A3	3025	3025
169 ODOT Item - 645E01644 - Bike Lane Symbol Marking, Type A3	41	41
170 ODOT Item - 645E01704 - Shared Lane Marking, Type A3	16	16
171 ODOT Item - 645E30000 - Removal of Pavement Marking	2294	2294
172 Topsoil Furnished & Placed, 4" Thick	280	280
173 Topsoil Furnished & Placed, 6" Thick	90	90
174 Lawn Seeding and Mulching	2181	2181
175 Planting Shrubs	541	541
176 Planting Perennials/Ornamental Grass	1409	1409
177 Tree Planting in Lawn Area	26	26
178 Tree Planting with Pit/Grate and Tree Removal	9	9
179 Tree Planting with Existing Pit	15	15
180 Tree Planting with pit/Grate	23	23
181 Tree Planting in New Pavement with Pit/Grate	30	30
182 Bioretention Cells	5	5
183 Irrigation	4524	4524
184 Water Main Tie-In for Irrigation Complete (Permit, Backflow, Etc.)	10	10
185 Planter Curbs - as per plan	286	286
186 4" Pipe Underdrains	2681	2681
187 ODOT Item 804E15011 Fiber Optic Cable, 48 Fiber, As Per Plan	12135	12135
188 ODOT Item 804E30001 Fan-out Kit, 6 Fiber, As Per Plan	21	21
189 ODOT Item 804E32001 Drop Cable, 6 Fiber, As Per Plan	21	21
190 ODOT Item 804E33000 Fiber Optic Patch Cord, 4 Fiber	21	21
191 ODOT Item 804E34023 Termination Panel, 24 Fiber, As Per Plan	21	21
192 ODOT Item 804E35001 Fusion Splice, As Per Plan	498	498
193 ODOT Item 804E36001 Slack Installation, As Per Plan	35	35
194 ODOT Item 804E37001 Splice Enclosure, As Per Plan	26	26
195 ODOT Item 804E37501 Fiber Optic Connector, As Per Plan	126	126
196 ODOT Item 804E37701 Fiber Optic Cable Testing, As Per Plan	1	1
197 ODOT Item 804E38000 Fiber Optic Cable Modem	21	21
198 ODOT Item 804E98100 Fiber Optic Cable, Misc.: Cleave Tool	1	1
199 ODOT Item 804E98100 Fiber Optic Cable, Misc.: Fiber Termination To	1	1
200 ODOT Item 816E30001 Video Detection System, As Per Plan	21	21
201 ODOT Item 832 - Erosion Control	25000	25000
202 ODOT Item 832 - Storm Water Pollution Prevention Plan	1	1
203 Full Depth Pavement Repair, As Directed	2200	2200
204 Full Depth Rigid Removal and Replacement, As Directed	2200	2200
205 Preconstruction Video	1	1

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