

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		2. Liberta Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
ROADWAY										
1	201	Clearing and Grubbing	1	L.S.	\$7,000.00	\$7,000.00	\$1,000.00	\$1,000.00	\$100.00	\$100.00
2	202	Pavement Removed	10,349	S.Y.	\$7.00	\$72,443.00	\$1.00	\$10,349.00	\$7.00	\$72,443.00
3	202	Curb Removed	2,519	L.F.	\$3.00	\$7,557.00	\$2.00	\$5,038.00	\$0.50	\$1,259.50
4	202	Walk Removed	12,761	S.F.	\$1.00	\$12,761.00	\$2.00	\$25,522.00	\$0.50	\$6,380.50
5	202	Steps Removed	11	L.F.	\$10.00	\$110.00	\$0.01	\$0.11	\$1.00	\$11.00
6	202	Pipe Abandoned, 12 Inch	100	L.F.	\$5.00	\$500.00	\$5.00	\$500.00	\$1.00	\$100.00
7	202	Pipe Removed, 12 Inch	126	L.F.	\$5.00	\$630.00	\$10.00	\$1,260.00	\$3.00	\$378.00
8	202	Pipe Removed, 24 Inch	20	L.F.	\$8.00	\$160.00	\$25.00	\$500.00	\$3.00	\$60.00
9	202	Catch Basin or Inlet Removed	6	EACH	\$100.00	\$600.00	\$100.00	\$600.00	\$20.00	\$120.00
10	202	Trench Drain Removed	34	L.F.	\$10.00	\$340.00	\$10.00	\$340.00	\$1.00	\$34.00
11	202	Post Removed	9	EACH	\$10.00	\$90.00	\$0.01	\$0.09	\$1.00	\$9.00
12	202	Concrete Pad Removed	1	EACH	\$100.00	\$100.00	\$0.01	\$0.01	\$1.00	\$1.00
13	202	Commercial Sign Removed	2	EACH	\$100.00	\$200.00	\$0.01	\$0.02	\$1.00	\$2.00
14	202	Commercial Sign with Electric Removed	2	EACH	\$200.00	\$400.00	\$0.01	\$0.02	\$50.00	\$100.00
15	202	Parking Block Removed	2	EACH	\$10.00	\$20.00	\$0.01	\$0.02	\$1.00	\$2.00
16	202	Fence Removed	81	L.F.	\$2.00	\$162.00	\$1.00	\$81.00	\$1.00	\$81.00
17	202	Railroad Ties Removed	70	L.F.	\$3.00	\$210.00	\$0.01	\$0.70	\$1.00	\$70.00
18	202	Light Post Removed	4	EACH	\$100.00	\$400.00	\$100.00	\$400.00	\$1.00	\$4.00
19	203	Excavation Not Including Embankment Construction	1,784	C.Y.	\$15.00	\$26,760.00	\$15.00	\$26,760.00	\$7.00	\$12,488.00
20	203	Embankment	49	C.Y.	\$8.00	\$392.00	\$10.00	\$490.00	\$5.00	\$245.00
21	203	Subgrade Compaction	8,882	S.Y.	\$1.00	\$8,882.00	\$1.00	\$8,882.00	\$0.25	\$2,220.50
22	203	Proof Rolling	4	HOUR	\$100.00	\$400.00	\$100.00	\$400.00	\$5.00	\$20.00
23	203	Aggregate Refill, Type 1, 6" Thick	1,299	C.Y.	\$39.00	\$50,661.00	\$36.00	\$46,764.00	\$28.00	\$36,372.00
24	203	Aggregate Refill, Type 2, 6" Thick	1,999	C.Y.	\$39.00	\$77,961.00	\$42.00	\$83,958.00	\$32.00	\$63,968.00
25	456	Concrete Walk, 6 inch Thick	10,367	S.F.	\$4.00	\$41,468.00	\$5.50	\$57,018.50	\$4.90	\$50,798.30
		Concrete Walk, 6 inch Thick, As Per Plan (Embossed								
26	456	Colored Concrete)	1,519	S.F.	\$9.00	\$13,671.00	\$7.50	\$11,392.50	\$6.75	\$10,253.25
27	456	Concrete Walk, 8 inch Thick, As Per Plan	1,127	S.F.	\$6.00	\$6,762.00	\$6.00	\$6,762.00	\$5.10	\$5,747.70
28	456	Curb Ramp	11	EACH	\$250.00	\$2,750.00	\$300.00	\$3,300.00	\$180.00	\$1,980.00
29	SPECIAL	Concrete Wheel Chair Ramps	3	EACH	\$400.00	\$1,200.00	\$3,500.00	\$10,500.00	\$579.00	\$1,737.00
30	609	Engineering Geogrid for Roadways, Type BX1200	7,793	S.Y.	\$3.00	\$23,379.00	\$6.00	\$46,758.00	\$5.00	\$38,965.00
31	609	Engineering Geogrid for Roadways, Type BX1300	11,893	S.Y.	\$3.00	\$35,679.00	\$5.50	\$65,411.50	\$5.00	\$59,465.00
32	622	Monument Boxes (Castings Supplied by City)	1	EACH	\$250.00	\$250.00	\$450.00	\$450.00	\$285.00	\$285.00
EROSION CONTROL										
33	653	Topsoil Furnished & Placed, 4 Inch Thick	1,903	S.Y.	\$3.00	\$5,709.00	\$2.50	\$4,757.50	\$3.50	\$6,660.50
34	659	Soil Analysis Test (ODOT Spec)	2	EACH	\$50.00	\$100.00	\$50.00	\$100.00	\$82.50	\$165.00
35	659	Lime (ODOT Spec)	1	AC.	\$200.00	\$200.00	\$100.00	\$100.00	\$440.00	\$440.00
36	659	Commercial Fertilizer (ODOT Spec)	1	TON	\$700.00	\$700.00	\$400.00	\$400.00	\$880.00	\$880.00
37	659	Water (ODOT Spec)	41	M. GAL	\$20.00	\$820.00	\$10.00	\$410.00	\$33.00	\$1,353.00

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38	660	Sodding	1,903	S.Y.	\$7.00	\$13,321.00	\$5.00	\$9,515.00	\$6.50	\$12,369.50
39	832	Erosion Control (ODOT Spec)	12,331	EACH	\$1.00	\$12,331.00	\$0.50	\$6,165.50	\$1.00	\$12,331.00
40	832	Storm Water Pollution Prevention Plan (ODOT Spec)	1	LUMP	\$5,000.00	\$5,000.00	\$1,500.00	\$1,500.00	\$3,200.00	\$3,200.00
DRAINAGE										
41	552	4 inch Storm Sewer, Type A, Class "B" Bedding, 706.08 with 706.12	19	L.F.	\$15.00	\$285.00	\$15.00	\$285.00	\$9.00	\$171.00
42	552	4 inch Storm Sewer, Type A, Class "B" Bedding, 707.20	28	L.F.	\$15.00	\$420.00	\$12.00	\$336.00	\$16.00	\$448.00
43	552	4 inch Storm Sewer, Type A, Class "B" Bedding	80	L.F.	\$15.00	\$1,200.00	\$15.00	\$1,200.00	\$15.50	\$1,240.00
44	552	6 inch Storm Sewer, Type A, Class "B" Bedding	17	L.F.	\$25.00	\$425.00	\$15.00	\$255.00	\$16.00	\$272.00
45	552	6 inch Storm Sewer, Type A, Class "B" Bedding, 706.08 with 706.12	20	L.F.	\$25.00	\$500.00	\$16.00	\$320.00	\$27.00	\$540.00
46	552	12 inch Storm Sewer, Type A, Class "B" Bedding	300	L.F.	\$48.00	\$14,400.00	\$54.00	\$16,200.00	\$55.00	\$16,500.00
47	552	24 inch Storm Sewer, Type A, Class "B" Bedding, 706.08 with 706.12	20	L.F.	\$90.00	\$1,800.00	\$90.00	\$1,800.00	\$5.00	\$100.00
48	553	12 inch Inlet Connection, Type A, Class "B" Bedding	494	L.F.	\$50.00	\$24,700.00	\$50.00	\$24,700.00	\$50.00	\$24,700.00
49	556	House Drain Pipe, Complete	8	EACH	\$48.00	\$384.00	\$1.00	\$8.00	\$1.00	\$8.00
50	556	House Drain Pipe, Type A	70	L.F.	\$10.00	\$700.00	\$1.00	\$70.00	\$1.00	\$70.00
51	562	Manhole MH-2A on 12" Storm Sewer	3	EACH	\$2,500.00	\$7,500.00	\$2,100.00	\$6,300.00	\$1,900.00	\$5,700.00
52	562	Manhole MH-2B on 24" Storm Sewer	1	EACH	\$3,500.00	\$3,500.00	\$2,700.00	\$2,700.00	\$4,500.00	\$4,500.00
53	562	Brick Manhole Adjusted	4	EACH	\$275.00	\$1,100.00	\$300.00	\$1,200.00	\$300.00	\$1,200.00
54	563	Inlet, No. 5 (Castings Supplied by City)	6	EACH	\$900.00	\$5,400.00	\$1,000.00	\$6,000.00	\$1,550.00	\$9,300.00
55	563	Inlet, Double No. 5 (Castings Supplied by City)	4	EACH	\$1,500.00	\$6,000.00	\$1,300.00	\$5,200.00	\$1,900.00	\$7,600.00
56	563	Inlet, No. 2 (Castings Supplied by City)	1	EACH	\$900.00	\$900.00	\$800.00	\$800.00	\$1,100.00	\$1,100.00
57	564	4" Pipe Underdrains	1,662	L.F.	\$4.00	\$6,648.00	\$5.00	\$8,310.00	\$5.25	\$8,725.50
58	566	Trench Drain	25	L.F.	\$150.00	\$3,750.00	\$135.00	\$3,375.00	\$160.00	\$4,000.00
59	604	Bank Run Gravel	303	C.Y.	\$10.00	\$3,030.00	\$0.01	\$3.03	\$1.00	\$303.00
60	SPECIAL	Miscellaneous Metal (ODOT Spec)	1,000	POUND	\$1.00	\$1,000.00	\$0.80	\$800.00	\$0.90	\$900.00
61	835	Exfiltration Trench, Type C (ODOT Spec)	40	L.F.	\$80.00	\$3,200.00	\$85.00	\$3,400.00	\$79.50	\$3,180.00
PAVEMENT										
62	301	4-3/4 inch Bituminous Aggregate Base (for Driveways)	53	C.Y.	\$200.00	\$10,600.00	\$200.00	\$10,600.00	\$315.00	\$16,695.00
63	301	7-3/4 inch Bituminous Aggregate Base	1,678	C.Y.	\$96.00	\$161,088.00	\$100.00	\$167,800.00	\$102.00	\$171,156.00
64	304	Aggregate Base, 6" Thick (Limestone Only)	1,299	C.Y.	\$40.00	\$51,960.00	\$36.00	\$46,764.00	\$29.85	\$38,775.15
65	304	Aggregate Base, 6" Thick (Limestone Only) (for Driveways)	102	C.Y.	\$40.00	\$4,080.00	\$40.00	\$4,080.00	\$32.00	\$3,264.00
66	407	Tack Coat	615	GAL	\$2.00	\$1,230.00	\$2.50	\$1,537.50	\$2.20	\$1,353.00
67	407	Tack Coat for Intermediate Course	312	GAL	\$2.00	\$624.00	\$2.50	\$780.00	\$2.20	\$686.40
68	446	Asphalt Concrete Surface Course, Type 1, Medium, PG 64-22, 1-1/4 inch	271	C.Y.	\$150.00	\$40,650.00	\$145.00	\$39,295.00	\$147.00	\$39,837.00

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Asphalt Concrete Intermediate Course, Type 2, Medium,										
69	446	PG 64-22, 3 inch	649	C.Y.	\$145.00	\$94,105.00	\$130.00	\$84,370.00	\$116.00	\$75,284.00
70	448	Asphalt Concrete, 1-1/4" Thick (for Driveways)	14	C.Y.	\$200.00	\$2,800.00	\$200.00	\$2,800.00	\$389.00	\$5,446.00
71	452	7 inch Plain Portland Cement (for Driveways)	32	S.Y.	\$45.00	\$1,440.00	\$60.00	\$1,920.00	\$45.00	\$1,440.00
72	455	Curb, Type 6"x18"	2,325	L.F.	\$13.00	\$30,225.00	\$14.00	\$32,550.00	\$13.00	\$30,225.00
73	456	Concrete Aprons, 8 inch Thick, As Per Plan	869	S.F.	\$6.00	\$5,214.00	\$6.00	\$5,214.00	\$4.85	\$4,214.65
WATER WORKS										
74	202	Water Main Removed, 6 Inch	10	L.F.	\$10.00	\$100.00	\$15.00	\$150.00	\$3.00	\$30.00
75	202	Water Main Removed, 12 Inch	8	L.F.	\$10.00	\$80.00	\$15.00	\$120.00	\$3.75	\$30.00
76	252	Trenches for Water Service in Earth	155	L.F.	\$20.00	\$3,100.00	\$20.00	\$3,100.00	\$16.00	\$2,480.00
77	254	12" Ductile Iron Pipe (Pipe Supplied by City)	8	L.F.	\$30.00	\$240.00	\$300.00	\$2,400.00	\$80.00	\$640.00
78	258	6" Gate Valve & Valve Box	1	EACH	\$600.00	\$600.00	\$600.00	\$600.00	\$650.00	\$650.00
79	259	6" Romac Coupling	2	EACH	\$200.00	\$400.00	\$200.00	\$400.00	\$205.00	\$410.00
80	259	12" Romac Coupling	2	EACH	\$375.00	\$750.00	\$400.00	\$800.00	\$435.00	\$870.00
81	259	6" x 6" Tee	1	EACH	\$250.00	\$250.00	\$250.00	\$250.00	\$220.00	\$220.00
82	259	6" - 45 Degree Bend	4	EACH	\$150.00	\$600.00	\$200.00	\$800.00	\$540.00	\$2,160.00
83	259	6" - 90 Degree Bend	1	EACH	\$150.00	\$150.00	\$200.00	\$200.00	\$335.00	\$335.00
84	259	12" - 45 Degree Bend	4	EACH	\$450.00	\$1,800.00	\$500.00	\$2,000.00	\$1,705.00	\$6,820.00
85	259	6" Solid Sleeve	4	EACH	\$150.00	\$600.00	\$140.00	\$560.00	\$558.00	\$2,232.00
86	259	12" Solid Sleeve	2	EACH	\$375.00	\$750.00	\$400.00	\$800.00	\$748.00	\$1,496.00
87	260	Fire Hydrant (Hydrant Supplied by City)	3	EACH	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$1,500.00	\$4,500.00
88	260	Fire Hydrant Removed	1	EACH	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$100.00	\$100.00
89	261	Polyethylene Encasement, 6" Pipe	47	L.F.	\$1.00	\$47.00	\$1.00	\$47.00	\$0.25	\$11.75
90	261	Polyethylene Encasement, 12" Pipe	8	L.F.	\$1.00	\$8.00	\$1.00	\$8.00	\$0.25	\$2.00
91	263	Tying into 6" Main	2	EACH	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$900.00	\$1,800.00
92	263	Tying into 12" Main	2	EACH	\$1,000.00	\$2,000.00	\$1,000.00	\$2,000.00	\$1,400.00	\$2,800.00
93	265	Service Valve Box Adjusted	1	EACH	\$100.00	\$100.00	\$50.00	\$50.00	\$25.00	\$25.00
94	265	Curb Meter Adjusted	1	EACH	\$100.00	\$100.00	\$100.00	\$100.00	\$35.00	\$35.00
95	265	Water Main Valve Box Adjusted	9	EACH	\$125.00	\$1,125.00	\$100.00	\$900.00	\$75.00	\$675.00
96	267	Extend and Replace Hydrant	2	EACH	\$3,800.00	\$7,600.00	\$1,000.00	\$2,000.00	\$2,050.00	\$4,100.00
97	562	Manhole Adjusted	1	EACH	\$300.00	\$300.00	\$350.00	\$350.00	\$300.00	\$300.00
SANITARY WORK										
98	559	6" Pipe Reconnections, 707.20, Class NR Bedding	125	L.F.	\$40.00	\$5,000.00	\$1.00	\$125.00	\$2.50	\$312.50
99	559	6" Pipe Bends, 707.20, Class NR Bedding	20	EACH	\$30.00	\$600.00	\$1.00	\$20.00	\$2.00	\$40.00
100	559	8" Pipe Reconnections, 707.20, Class NR Bedding	125	L.F.	\$50.00	\$6,250.00	\$1.00	\$125.00	\$2.50	\$312.50
101	559	8" Pipe Bends, 707.20, Class NR Bedding	20	EACH	\$50.00	\$1,000.00	\$1.00	\$20.00	\$2.00	\$40.00
102	562	Brick Manhole Adjusted	6	EACH	\$400.00	\$2,400.00	\$300.00	\$1,800.00	\$300.00	\$1,800.00
LIGHTING										
103	625	4 Unit Mole Connector	6	EACH	\$50.00	\$300.00	\$50.00	\$300.00	\$61.00	\$366.00

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104	625	Light Pole with Luminaire, 12' Fluted with 66 Watt Acorn LED Luminaire, Complete and in Place	10	EACH	\$2,500.00	\$25,000.00	\$3,000.00	\$30,000.00	\$4,259.00	\$42,590.00
105	625	Light Pole with Luminaire, 30' Davit with 156 Watt Cobrahead LED Luminaire, Complete and in Place	4	EACH	\$2,800.00	\$11,200.00	\$4,000.00	\$16,000.00	\$4,779.00	\$19,116.00
106	625	Luminaire, 156 Watt Cobrahead LED	2	EACH	\$500.00	\$1,000.00	\$900.00	\$1,800.00	\$1,269.00	\$2,538.00
107	625	Bracket Arm, 15' (ODOT Spec)	2	EACH	\$525.00	\$1,050.00	\$850.00	\$1,700.00	\$1,017.50	\$2,035.00
108	625	Pull Box, 13"x24"x18", 713.06	4	EACH	\$450.00	\$1,800.00	\$350.00	\$1,400.00	\$495.00	\$1,980.00
109	625	Pull Box, 24"x36"x24", 713.06	11	EACH	\$700.00	\$7,700.00	\$650.00	\$7,150.00	\$934.00	\$10,274.00
110	625	Trench	2,811	L.F.	\$5.00	\$14,055.00	\$8.00	\$22,488.00	\$6.00	\$16,866.00
111	625	Conduit, 2" 713.07 (Includes Conduit Risers)	1,612	L.F.	\$3.00	\$4,836.00	\$3.00	\$4,836.00	\$3.55	\$5,722.60
112	625	Conduit, 2" 713.07, Concrete Encased	177	L.F.	\$6.00	\$1,062.00	\$8.00	\$1,416.00	\$7.25	\$1,283.25
113	625	Conduit, 3" 713.07 (Includes Conduit Risers)	588	L.F.	\$4.00	\$2,352.00	\$5.00	\$2,940.00	\$5.75	\$3,381.00
114	625	Conduit, 4" 713.07 (Includes Conduit Risers)	1,180	L.F.	\$4.00	\$4,720.00	\$5.00	\$5,900.00	\$7.29	\$8,602.20
115	625	NO. 4 AWG, Type USE, Copper 600 Volt Distribution Cable	4,736	L.F.	\$2.00	\$9,472.00	\$2.00	\$9,472.00	\$2.35	\$11,129.60
116	625	NO. 10 AWG Pole and Bracket Cable	130	L.F.	\$2.00	\$260.00	\$1.00	\$130.00	\$1.16	\$150.80
117	625	High Voltage Test	1	L.S.	\$1,600.00	\$1,600.00	\$1,100.00	\$1,100.00	\$1,424.50	\$1,424.50
118	625	Lighting Misc.: Power Service, As Per Plan Control Center with Meter Installation, Complete and in Place	1	EACH	\$1,000.00	\$1,000.00	\$1,150.00	\$1,150.00	\$1,430.00	\$1,430.00
119	625	Place	1	EACH	\$3,900.00	\$3,900.00	\$1,200.00	\$1,200.00	\$1,463.00	\$1,463.00
TRAFFIC CONTROL										
120	621	Edge Lines, White, Type 1	130	L.F.	\$5.00	\$650.00	\$0.50	\$65.00	\$0.55	\$71.50
121	621	Lane Lines, 4 Inch, Type 1	1	MILE	\$400.00	\$400.00	\$400.00	\$400.00	\$550.00	\$550.00
122	621	Center Lines, Solid, Double, Type 1	1	MILE	\$1,500.00	\$1,500.00	\$800.00	\$800.00	\$935.00	\$935.00
123	621	Channelizing Lines, Type 1	512	L.F.	\$1.00	\$512.00	\$1.00	\$512.00	\$0.85	\$435.20
124	621	Broad Transverse Lines, Yellow, Type 1	111	L.F.	\$3.00	\$333.00	\$2.00	\$222.00	\$2.65	\$294.15
125	621	Broad Transverse Lines, White, Type 1	98	L.F.	\$3.00	\$294.00	\$2.00	\$196.00	\$2.65	\$259.70
126	621	Removal of Pavement Marking	3	EACH	\$100.00	\$300.00	\$50.00	\$150.00	\$75.00	\$225.00
127	621	Removal of Pavement Marking	472	L.F.	\$2.00	\$944.00	\$2.00	\$944.00	\$3.50	\$1,652.00
128	629	Street Name Sign	2	EACH	\$125.00	\$250.00	\$100.00	\$200.00	\$104.50	\$209.00
129	629	Street Name Sign Pole	1	EACH	\$160.00	\$160.00	\$100.00	\$100.00	\$143.00	\$143.00
130	630	Ground Mounted Supports, No. 2 Post	335	L.F.	\$7.00	\$2,345.00	\$5.00	\$1,675.00	\$6.68	\$2,237.80
131	630	Ground Mounted Supports, No. 3 Post	54	L.F.	\$8.00	\$432.00	\$5.00	\$270.00	\$7.15	\$386.10
132	630	Removal of Ground Mounted Sign and Storage	14	EACH	\$12.00	\$168.00	\$8.00	\$112.00	\$11.00	\$154.00
133	630	Removal of Ground Mounted Sign and Re-Erection	6	EACH	\$35.00	\$210.00	\$20.00	\$120.00	\$27.50	\$165.00
134	630	Removal of Pole Mounted Sign and Storage	9	EACH	\$13.00	\$117.00	\$10.00	\$90.00	\$13.75	\$123.75
135	630	Removal of Ground Mounted Post Support	12	EACH	\$20.00	\$240.00	\$20.00	\$240.00	\$27.50	\$330.00
136	630	Sign Flat Sheet	131	S.F.	\$15.00	\$1,965.00	\$15.00	\$1,965.00	\$16.45	\$2,154.95
137	630	Sign Hanger Assembly, Mast Arm	4	EACH	\$280.00	\$1,120.00	\$270.00	\$1,080.00	\$324.50	\$1,298.00
138	630	Sign Support Assembly, Pole Mounted	8	EACH	\$85.00	\$680.00	\$50.00	\$400.00	\$60.50	\$484.00

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		2. Liberta Construction	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
139	645	Crosswalk Lines (ODOT Spec)	667	L.F.	\$3.00	\$2,001.00	\$6.00	\$4,002.00	\$7.70	\$5,135.90
140	645	Lane Arrows (ODOT Spec)	11	EACH	\$65.00	\$715.00	\$300.00	\$3,300.00	\$357.50	\$3,932.50
141	645	Stop Lines, 24 Inch (ODOT Spec)	132	L.F.	\$3.00	\$396.00	\$12.00	\$1,584.00	\$16.50	\$2,178.00
TRAFFIC SIGNALS										
142	625	Plastic Caution Tape (ODOT Spec)	622	L.F.	\$1.00	\$622.00	\$1.00	\$622.00	\$0.50	\$311.00
143	625	Ground Rod Pull Box, Misc.: Pull Box, 713.06, 24" x 36" x 24" Deep, As	10	EACH	\$120.00	\$1,200.00	\$100.00	\$1,000.00	\$123.20	\$1,232.00
144	625	Per Plan Pull Box, Misc.: Pull Box, 713.06, 30" x 48" x 24" Deep, As	5	EACH	\$700.00	\$3,500.00	\$750.00	\$3,750.00	\$933.90	\$4,669.50
145	625	Per Plan	1	EACH	\$950.00	\$950.00	\$900.00	\$900.00	\$1,285.90	\$1,285.90
146	625	Trench	376	L.F.	\$5.00	\$1,880.00	\$7.00	\$2,632.00	\$6.00	\$2,256.00
147	625	Trench in Paved Areas, Type B	246	L.F.	\$25.00	\$6,150.00	\$12.00	\$2,952.00	\$36.00	\$8,856.00
148	625	Conduit, 2", 713.07	172	L.F.	\$2.00	\$344.00	\$3.00	\$516.00	\$4.00	\$688.00
149	625	Conduit, 3", 713.07	301	L.F.	\$3.00	\$903.00	\$4.00	\$1,204.00	\$5.00	\$1,505.00
150	625	Conduit, 3", 713.07 (Encased)	528	L.F.	\$6.00	\$3,168.00	\$9.00	\$4,752.00	\$11.75	\$6,204.00
151	632	Vehicular Signal Head, (LED), 3-Section, 12" Lens, 1 Way, Polycarbonate	4	EACH	\$700.00	\$2,800.00	\$650.00	\$2,600.00	\$788.00	\$3,152.00
152	632	Vehicular Signal Head, (LED), 5-Section, 12" Lens, 1 Way, Polycarbonate	4	EACH	\$1,100.00	\$4,400.00	\$1,000.00	\$4,000.00	\$1,241.90	\$4,967.60
153	632	Pedestrian Signal Head, (LED), Type D2, Countdown	8	EACH	\$500.00	\$4,000.00	\$450.00	\$3,600.00	\$559.00	\$4,472.00
154	632	Covering of Vehicular Signal Head	8	EACH	\$30.00	\$240.00	\$30.00	\$240.00	\$38.50	\$308.00
155	632	Covering of Pedestrian Signal Head	8	EACH	\$25.00	\$200.00	\$30.00	\$240.00	\$27.50	\$220.00
156	632	Signal Cable, 3-Conductor, No.14 AWG	882	L.F.	\$1.40	\$1,234.80	\$1.00	\$882.00	\$1.55	\$1,367.10
157	632	Signal Cable, 5-Conductor, No.14 AWG	1,458	L.F.	\$1.50	\$2,187.00	\$1.50	\$2,187.00	\$1.75	\$2,551.50
158	632	Signal Cable, 7-Conductor, No.14 AWG	868	L.F.	\$1.75	\$1,519.00	\$1.50	\$1,302.00	\$2.00	\$1,736.00
159	632	Power Cable, 3-Conductor, No. 6 AWG	192	L.F.	\$1.50	\$288.00	\$3.50	\$672.00	\$4.50	\$864.00
160	632	Pedestrian Push Button, As Per Plan	8	EACH	\$140.00	\$1,120.00	\$100.00	\$800.00	\$165.00	\$1,320.00
161	632	Pedestal Foundation	5	EACH	\$500.00	\$2,500.00	\$500.00	\$2,500.00	\$616.00	\$3,080.00
162	632	Pedestal, 8 Feet	5	EACH	\$425.00	\$2,125.00	\$650.00	\$3,250.00	\$840.00	\$4,200.00
163	632	Power Service, As Per Plan	1	EACH	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$1,249.00	\$1,249.00
164	632	Signal Support, Type TC-81.21, Design 2, As Per Plan	1	EACH	\$4,800.00	\$4,800.00	\$4,800.00	\$4,800.00	\$5,647.00	\$5,647.00
165	632	Signal Support, Type TC-81.21, Design 3, As Per Plan	1	EACH	\$4,300.00	\$4,300.00	\$5,100.00	\$5,100.00	\$6,113.00	\$6,113.00
166	632	Combination Signal Support, Type TC-81.21, Design 2, As Per Plan	1	EACH	\$6,300.00	\$6,300.00	\$5,200.00	\$5,200.00	\$6,319.00	\$6,319.00
167	632	Combination Signal Support, Type TC-81.21, Design 12, As Per Plan	1	EACH	\$8,300.00	\$8,300.00	\$8,900.00	\$8,900.00	\$10,700.00	\$10,700.00
168	632	Signal Support Foundation	4	EACH	\$2,000.00	\$8,000.00	\$1,900.00	\$7,600.00	\$2,321.00	\$9,284.00
169	632	Removal of Traffic Signal Installation, As Per Plan	1	EACH	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00	\$2,525.00	\$2,525.00
170	632	Signalization, Misc.: Video Detection System, As Per Plan	1	EACH	\$21,000.00	\$21,000.00	\$20,000.00	\$20,000.00	\$23,866.00	\$23,866.00

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171	633	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	1	EACH	\$4,400.00	\$4,400.00	\$6,200.00	\$6,200.00	\$7,658.00	\$7,658.00
172	633	Controller Item, Misc.: Preemption Priority Control Controller Unit, Type TS2/A2, with Cabinet, Type TS1, As Per Plan	1	EACH	\$3,800.00	\$3,800.00	\$7,100.00	\$7,100.00	\$8,299.00	\$8,299.00
173	633	Cabinet Riser	1	EACH	\$12,000.00	\$12,000.00	\$17,500.00	\$17,500.00	\$21,444.00	\$21,444.00
174	633	Cabinet Foundation	1	EACH	\$400.00	\$400.00	\$600.00	\$600.00	\$729.00	\$729.00
175	633	Controller Item, Misc.: Fiber Optic Ethernet Transceiver, As Per Plan	1	EACH	\$1,200.00	\$1,200.00	\$1,000.00	\$1,000.00	\$1,385.00	\$1,385.00
176	633	Signalization Miscellaneous Equipment, As Per Plan	1	L.S.	\$2,500.00	\$2,500.00	\$3,250.00	\$3,250.00	\$4,235.00	\$4,235.00
177	633	Controller Misc.: TMS Expansion, As Per Plan	1	L.S.	\$15,000.00	\$15,000.00	\$13,650.00	\$13,650.00	\$17,325.00	\$17,325.00
178	633	Controller Misc.: TMS Expansion, As Per Plan	1	L.S.	\$2,000.00	\$2,000.00	\$2,400.00	\$2,400.00	\$3,025.00	\$3,025.00
LANDSCAPING										
179	663	Tree Planting In Lawn Area (Amur Maackia, 3" B&B) Tree Planting w/ Grate (Skyline Honey Locust, 3" B&B, 4'x6' Grate)	15	EACH	\$500.00	\$7,500.00	\$350.00	\$5,250.00	\$471.00	\$7,065.00
180	663	Protecting Trees	10	EACH	\$1,500.00	\$15,000.00	\$1,800.00	\$18,000.00	\$1,150.00	\$11,500.00
181	669	Protecting Trees	1	L.S.	\$200.00	\$200.00	\$250.00	\$250.00	\$25.00	\$25.00
RETAINING WALLS										
182	611	Modular Block Wall	222	S.F.	\$30.00	\$6,660.00	\$25.00	\$5,550.00	\$32.00	\$7,104.00
MAINTENANCE OF TRAFFIC										
183	410	Traffic Compacted Surface, Type A or B (ODOT Spec)	108	C.Y.	\$24.00	\$2,592.00	\$10.00	\$1,080.00	\$1.00	\$108.00
184	613	Uniformed Law Enforcement Officer	900	Hours	\$35.00	\$31,500.00	\$35.00	\$31,500.00	\$35.00	\$31,500.00
185	613	Uniformed Law Enforcement Officer with Patrol Car	900	Hours	\$50.00	\$45,000.00	\$50.00	\$45,000.00	\$50.00	\$45,000.00
186	614	Flashing Arrow Panel (ODOT Spec)	24	EACH	\$1,500.00	\$36,000.00	\$100.00	\$2,400.00	\$350.00	\$8,400.00
187	614	Work Zone Edge Line, Class I, 642 Paint (ODOT Spec)	2	MILE	\$600.00	\$1,200.00	\$750.00	\$1,500.00	\$770.00	\$1,540.00
188	614	Work Zone Center Line, Class I, 642 Paint (ODOT Spec)	3	MILE	\$2,000.00	\$6,000.00	\$1,000.00	\$3,000.00	\$990.00	\$2,970.00
189	614	Work Zone Lane Line, Class I, 642 Paint (ODOT Spec)	1	MILE	\$2,000.00	\$2,000.00	\$700.00	\$700.00	\$660.00	\$660.00
190	614	Work Zone Stop Line, Class I, 642 Paint (ODOT Spec)	309	L.F.	\$4.00	\$1,236.00	\$4.00	\$1,236.00	\$3.30	\$1,019.70
191	614	Portable Changeable Message Sign, As Per Plan (ODOT Spec)	1,100	DAYS	\$18.00	\$19,800.00	\$1.00	\$1,100.00	\$13.50	\$14,850.00
192	614	Maintaining Traffic	1	L.S.	\$70,000.00	\$70,000.00	\$65,000.00	\$65,000.00	\$63,000.00	\$63,000.00
193	615	Temporary Pavement	81	S.Y.	\$65.00	\$5,265.00	\$1.00	\$81.00	\$46.00	\$3,726.00
194	616	Water	7	M. GAL	\$10.00	\$70.00	\$1.00	\$7.00	\$1.00	\$7.00
195	616	Calcium Chloride	6	TON	\$100.00	\$600.00	\$100.00	\$600.00	\$1.00	\$6.00
MISC.										
196	103.05	Contract Performance Bond	1	L.S.	\$25,000.00	\$25,000.00	\$12,000.00	\$12,000.00	\$19,000.00	\$19,000.00
197	619	Field Office, Type B (ODOT Spec)	9	MONTH	\$1,300.00	\$11,700.00	\$500.00	\$4,500.00	\$200.00	\$1,800.00
198	623	Construction Layout Stakes	1	L.S.	\$12,000.00	\$12,000.00	\$20,000.00	\$20,000.00	\$6,900.00	\$6,900.00
199	624	Mobilization	1	L.S.	\$60,000.00	\$60,000.00	\$40,000.00	\$40,000.00	\$39,900.00	\$39,900.00

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ALTERNATE #1										
Alt #1	632	Signalization, Misc: Video Detection System, As Per Plan, Autoscope Solo Terra MVP - Alternate Bid	1	EACH	\$22,000.00	\$22,000.00	\$24,000.00	\$24,000.00	\$23,000.00	\$23,000.00
ALTERNATE #2										
Alt #2	632	Controller Item, Misc.: Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan - Alternate Bid	1	EACH	\$7,000.00	\$7,000.00	\$7,500.00	\$7,500.00	\$6,800.00	\$6,800.00
ALTERNATE #3										
Alt #3	633	Controller Item, Misc.: Preemption Priority Control, Sonem 2000 - Alternate Bid	1	EACH	\$4,200.00	\$4,200.00	\$8,400.00	\$8,400.00	\$8,100.00	\$8,100.00
TOTAL CONSTRUCTION COSTS						\$1,569,179.80		\$1,474,147.00		\$1,522,095.00
+/- ENGINEER'S ESTIMATE									-6.1%	-3.0%
ALTERNATE #1										
TOTAL CONSTRUCTION COSTS						\$22,000.00		\$24,000.00		\$23,000.00
+/- ENGINEER'S ESTIMATE									+9.1%	+4.5%
ALTERNATE #2										
TOTAL CONSTRUCTION COSTS						\$7,000.00		\$7,500.00		\$6,800.00
+/- ENGINEER'S ESTIMATE									+7.1%	-2.9%
ALTERNATE #3										
TOTAL CONSTRUCTION COSTS						\$4,200.00		\$8,400.00		\$8,100.00
+/- ENGINEER'S ESTIMATE									+100.0%	+92.9%