

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		1. Kenmore Construction Co.		2. Karvo Paving		*3. Lockhart Development Co.	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$100,000.00	\$100,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$67,000.00	\$67,000.00
2	201	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00	\$1.00	\$1.00	\$500.00	\$500.00	\$500.00	\$500.00
3	202	Pipe Removed	4300	L.F.	\$4.00	\$17,200.00	\$6.00	\$25,800.00	\$0.50	\$2,150.00	\$1.00	\$4,300.00
4	202	Pipe Abandoned	4350	L.F.	\$4.00	\$17,400.00	\$6.00	\$26,100.00	\$0.50	\$2,175.00	\$1.00	\$4,350.00
5	202	Catch Basin or Inlet Removed	23	EACH	\$100.00	\$2,300.00	\$100.00	\$2,300.00	\$155.00	\$3,565.00	\$20.00	\$460.00
6	202	Guardrail Removed	574	L.F.	\$5.00	\$2,870.00	\$1.00	\$574.00	\$1.50	\$861.00	\$1.00	\$574.00
7	203	Excavation Including Embankment Construction	4510	C.Y.	\$8.00	\$36,080.00	\$20.00	\$90,200.00	\$25.00	\$112,750.00	\$8.00	\$36,080.00
8	203	Excavation of contaminated soils	100	C.Y.	\$20.00	\$2,000.00	\$100.00	\$10,000.00	\$100.00	\$10,000.00	\$50.00	\$5,000.00
9	203	Proof Rolling	3	HOUR	\$120.00	\$360.00	\$100.00	\$300.00	\$110.00	\$330.00	\$50.00	\$150.00
10	203	Aggregate Refill Type 1, 6" thick	3400	C.Y.	\$30.00	\$102,000.00	\$35.00	\$119,000.00	\$30.00	\$102,000.00	\$25.00	\$85,000.00
11	203	Aggregate Refill Type 2	500	C.Y.	\$35.00	\$17,500.00	\$36.00	\$18,000.00	\$33.00	\$16,500.00	\$25.00	\$12,500.00
12	207	Filter Fabric Fence	477	L.F.	\$1.00	\$477.00	\$2.50	\$1,192.50	\$2.25	\$1,073.25	\$2.00	\$954.00
13	254	6" Ductile Iron Pipe	20	L.F.	\$45.00	\$900.00	\$60.00	\$1,200.00	\$75.00	\$1,500.00	\$50.00	\$1,000.00
14	254	16" Ductile Iron Pipe	15	L.F.	\$70.00	\$1,050.00	\$120.00	\$1,800.00	\$350.00	\$5,250.00	\$150.00	\$2,250.00
15	258	6" Valve	1	EACH	\$600.00	\$600.00	\$550.00	\$550.00	\$600.00	\$600.00	\$550.00	\$550.00
16	259	6" 90° Bend	1	EACH	\$200.00	\$200.00	\$175.00	\$175.00	\$83.00	\$83.00	\$150.00	\$150.00
17	259	16" 45° Bend	4	EACH	\$800.00	\$3,200.00	\$650.00	\$2,600.00	\$400.00	\$1,600.00	\$600.00	\$2,400.00
18	259	16" x 6" Tee	1	EACH	\$500.00	\$500.00	\$1,600.00	\$1,600.00	\$600.00	\$600.00	\$800.00	\$800.00
19	259	16" Solid Sleeve	1	EACH	\$500.00	\$500.00	\$350.00	\$350.00	\$336.00	\$336.00	\$520.00	\$520.00
20	260	6" Hydrant	2	EACH	\$2,200.00	\$4,400.00	\$1,800.00	\$3,600.00	\$2,500.00	\$5,000.00	\$2,500.00	\$5,000.00
21	265	Water Main Valve Boxes Adjusted	8	EACH	\$100.00	\$800.00	\$65.00	\$520.00	\$165.00	\$1,320.00	\$100.00	\$800.00
22	301	4 3/4 inch Bituminous Aggregate Base	2750	C.Y.	\$60.00	\$165,000.00	\$92.00	\$253,000.00	\$97.00	\$266,750.00	\$75.00	\$206,250.00
23	301	6 inch Bituminous Aggregate Base	3460	C.Y.	\$60.00	\$207,600.00	\$92.00	\$318,320.00	\$97.00	\$335,620.00	\$75.00	\$259,500.00
24	404	Asphalt Concrete, 1.25 inches Thickness	725	C.Y.	\$90.00	\$65,250.00	\$97.00	\$70,325.00	\$123.00	\$89,175.00	\$99.00	\$71,775.00
25	404	Asphalt Concrete, 4" Thick Driveway Reconstruction	100	S.Y.	\$90.00	\$9,000.00	\$15.00	\$1,500.00	\$40.00	\$4,000.00	\$25.00	\$2,500.00
26	407	Tack Coat	2000	GAL.	\$0.70	\$1,400.00	\$1.50	\$3,000.00	\$1.25	\$2,500.00	\$1.50	\$3,000.00
27	410	Drive and Walkway Sealcoat	100	S.Y.	\$1.50	\$150.00	\$3.00	\$300.00	\$5.00	\$500.00	\$8.50	\$850.00
28	455	Curb, Type 6" X 18"	6700	L.F.	\$16.00	\$107,200.00	\$12.00	\$80,400.00	\$11.00	\$73,700.00	\$25.00	\$167,500.00
29	456	Concrete Walk, 4 inches Thick House Walk	50	S.F.	\$3.00	\$150.00	\$5.00	\$250.00	\$5.60	\$280.00	\$4.00	\$200.00
30	456	Concrete Walk, 6 inches Thick	32600	S.F.	\$3.50	\$114,100.00	\$4.00	\$130,400.00	\$4.40	\$143,440.00	\$4.50	\$146,700.00
31	456	Curb Ramps	26	EACH	\$200.00	\$5,200.00	\$400.00	\$10,400.00	\$200.00	\$5,200.00	\$300.00	\$7,800.00
32	456	Concrete Driveway Reconstruction, 6 inches Thick	2000	S.F.	\$3.50	\$7,000.00	\$4.00	\$8,000.00	\$6.85	\$13,700.00	\$5.00	\$10,000.00
33	456	Concrete Aprons	3000	S.F.	\$3.50	\$10,500.00	\$4.00	\$12,000.00	\$6.85	\$20,550.00	\$5.00	\$15,000.00
34	457	Concrete median	55	S.Y.	\$15.00	\$825.00	\$30.00	\$1,650.00	\$55.00	\$3,025.00	\$60.00	\$3,300.00
35	552	12 inch Storm Sewer, Type A, Class "B" Bedding	980	L.F.	\$35.00	\$34,300.00	\$45.00	\$44,100.00	\$41.00	\$40,180.00	\$100.00	\$98,000.00
36	552	15 inch Storm Sewer, Type A, Class "B" Bedding	90	L.F.	\$40.00	\$3,600.00	\$55.00	\$4,950.00	\$49.00	\$4,410.00	\$120.00	\$10,800.00
37	553	12 inch Inlet Connection, 706.02 w/ 706.11 or 706.08 w/ 706.12, Class "B" Bedding	1070	L.F.	\$35.00	\$37,450.00	\$45.00	\$48,150.00	\$28.80	\$30,816.00	\$100.00	\$107,000.00
38	556	House Drain Pipe, Complete, 711.29	6	EACH	\$20.00	\$120.00	\$1.00	\$6.00	\$75.00	\$450.00	\$50.00	\$300.00
39	556	House Drain Pipe, Type A, 711.29	30	L.F.	\$2.00	\$60.00	\$0.01	\$0.30	\$5.94	\$178.20	\$5.00	\$150.00

40	556	House Drain Pipe, Type B, 711.29	15 L.F.	\$2.00	\$30.00	\$0.01	\$0.15	\$5.94	\$89.10	\$5.00	\$75.00
41	559	6 inch Pipe Reconnections	30 L.F.	\$35.00	\$1,050.00	\$5.00	\$150.00	\$65.00	\$1,950.00	\$40.00	\$1,200.00
42	559	6 inch Pipe Bends	12 EACH	\$35.00	\$420.00	\$10.00	\$120.00	\$58.00	\$696.00	\$20.00	\$240.00
43	562	Brick Manhole Rebuilt	10 L.F.	\$200.00	\$2,000.00	\$300.00	\$3,000.00	\$300.00	\$3,000.00	\$300.00	\$3,000.00
44	562	Manhole-A on 12 inch Storm Sewer	6 EACH	\$1,700.00	\$10,200.00	\$1,800.00	\$10,800.00	\$2,680.00	\$16,080.00	\$3,000.00	\$18,000.00
45	562	Manhole-A Slab Top on 12 inch Storm Sewer	12 EACH	\$1,700.00	\$20,400.00	\$1,800.00	\$21,600.00	\$1,650.00	\$19,800.00	\$2,000.00	\$24,000.00
46	562	Brick Manhole Adjusted	18 EACH	\$300.00	\$5,400.00	\$200.00	\$3,600.00	\$375.00	\$6,750.00	\$300.00	\$5,400.00
47	563	Inlet, No. 5 (Casting Supplied by City)	18 EACH	\$1,700.00	\$30,600.00	\$1,200.00	\$21,600.00	\$770.00	\$13,860.00	\$1,250.00	\$22,500.00
48	563	Inlet, No. 5 (Modified), (Casting Supplied by City)	6 EACH	\$1,700.00	\$10,200.00	\$1,200.00	\$7,200.00	\$770.00	\$4,620.00	\$1,325.00	\$7,950.00
49	563	Inlet, Double No. 5 (Casting Supplied by City)	3 EACH	\$1,700.00	\$5,100.00	\$1,300.00	\$3,900.00	\$945.00	\$2,835.00	\$1,650.00	\$4,950.00
			1 EACH	\$1,700.00							
50	563	Inlet, Double No. 5 (Modified), (Casting supplied by City)			\$1,700.00	\$1,500.00	\$1,500.00	\$945.00	\$945.00	\$1,700.00	\$1,700.00
51	563	Inlet Reconstructed	2 EACH	\$1,200.00	\$2,400.00	\$1,400.00	\$2,800.00	\$840.00	\$1,680.00	\$1,200.00	\$2,400.00
52	564	4 inch Pipe Underdrains, 707.15	6700 L.F.	\$3.00	\$20,100.00	\$4.50	\$30,150.00	\$5.50	\$36,850.00	\$3.00	\$20,100.00
53	602	Concrete masonry with reinforcement	10 C.Y.	\$250.00	\$2,500.00	\$500.00	\$5,000.00	\$350.00	\$3,500.00	\$600.00	\$6,000.00
			40 S.Y.	\$20.00							
54	603	Slag or Limestone for Driveway Reconstruction, 6" Thick			\$800.00	\$12.00	\$480.00	\$15.00	\$600.00	\$9.00	\$360.00
55	604	Bank Run Gravel	79 C.Y.	\$10.00	\$790.00	\$25.00	\$1,975.00	\$15.00	\$1,185.00	\$15.00	\$1,185.00
56	606	Guardrail, Type 5	574 L.F.	\$10.00	\$5,740.00	\$14.00	\$8,036.00	\$14.75	\$8,466.50	\$15.00	\$8,610.00
57	609	Engineering Geogrid for Roadways, Tensar BX 1200	2000 S.Y.	\$6.00	\$12,000.00	\$5.00	\$10,000.00	\$5.00	\$10,000.00	\$4.50	\$9,000.00
58	614	Maintaining Traffic	1 L.S.	\$50,000.00	\$50,000.00	\$20,000.00	\$20,000.00	\$39,000.00	\$39,000.00	\$50,000.00	\$50,000.00
59	616	Calcium Chloride	4 TONS	\$40.00	\$160.00	\$1.00	\$4.00	\$50.00	\$200.00	\$400.00	\$1,600.00
60	619	Field Office	1 L.S.	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$16,000.00	\$16,000.00	\$1,000.00	\$1,000.00
61	621	Lane Lines, 4 inch	6000 L.F.	\$1.00	\$6,000.00	\$0.25	\$1,500.00	\$0.30	\$1,800.00	\$0.15	\$900.00
62	621	Center Lines	3000 L.F.	\$1.00	\$3,000.00	\$0.35	\$1,050.00	\$0.40	\$1,200.00	\$0.41	\$1,230.00
63	621	Stop Lines	150 L.F.	\$2.50	\$375.00	\$4.00	\$600.00	\$3.00	\$450.00	\$4.20	\$630.00
64	621	Crosswalk Lines	270 L.F.	\$1.30	\$351.00	\$1.50	\$405.00	\$1.55	\$418.50	\$2.10	\$567.00
65	621	Lane Arrows	4 EACH	\$45.00	\$180.00	\$80.00	\$320.00	\$85.00	\$340.00	\$52.00	\$208.00
66	621	Word on Pavement	4 EACH	\$55.00	\$220.00	\$60.00	\$240.00	\$65.00	\$260.00	\$68.00	\$272.00
67	622	Monument Boxes (Casting supplied by City)	6 EACH	\$300.00	\$1,800.00	\$200.00	\$1,200.00	\$106.99	\$641.94	\$100.00	\$600.00
68	623	Construction Layout Stakes	1 L.S.	\$50,000.00	\$50,000.00	\$30,000.00	\$30,000.00	\$15,000.00	\$15,000.00	\$50,000.00	\$50,000.00
69	624	Mobilization	1 L.S.	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00
70	625	250 Watt HPS luminaire	3 EACH	\$800.00	\$2,400.00	\$250.00	\$750.00	\$322.00	\$966.00	\$322.00	\$966.00
71	625	16' galvanized steel upsweep bracket arms	3 EACH	\$600.00	\$1,800.00	\$600.00	\$1,800.00	\$786.00	\$2,358.00	\$786.00	\$2,358.00
72	625	Awg No. 10 pole and bracket cable	350 L.F.	\$1.00	\$350.00	\$0.25	\$87.50	\$1.05	\$367.50	\$1.05	\$367.50
73	625	Fused connector (in pole handhole)	3 EACH	\$60.00	\$180.00	\$80.00	\$240.00	\$55.00	\$165.00	\$55.00	\$165.00
			880 L.F.	\$1.00							
74	625	AWG No. 4 type use copper 600 Volt Distribution Cable			\$880.00	\$2.00	\$1,760.00	\$2.40	\$2,112.00	\$2.40	\$2,112.00
75	625	2" PVC Sch. 40 Conduit	375 L.F.	\$5.00	\$1,875.00	\$4.00	\$1,500.00	\$2.35	\$881.25	\$2.35	\$881.25
76	625	4-unit underground connectors	8 EACH	\$60.00	\$480.00	\$150.00	\$1,200.00	\$79.00	\$632.00	\$79.00	\$632.00
77	625	Pull Boxes, 24" x 18", Polymer Concrete	4 EACH	\$500.00	\$2,000.00	\$400.00	\$1,600.00	\$530.00	\$2,120.00	\$530.00	\$2,120.00
78	625	2" conduit riser on existing wood pole	1 EACH	\$300.00	\$300.00	\$300.00	\$300.00	\$344.00	\$344.00	\$344.00	\$344.00
79	625	Trench	375 L.F.	\$5.00	\$1,875.00	\$25.00	\$9,375.00	\$5.25	\$1,968.75	\$5.25	\$1,968.75
80	629	Street Signs Reset	3 EACH	\$100.00	\$300.00	\$140.00	\$420.00	\$100.00	\$300.00	\$235.00	\$705.00
81	630	Traffic Sign - Type A	10 EACH	\$100.00	\$1,000.00	\$100.00	\$1,000.00	\$125.00	\$1,250.00	\$160.00	\$1,600.00
82	630	Traffic Sign - Type B	8 EACH	\$150.00	\$1,200.00	\$180.00	\$1,440.00	\$190.00	\$1,520.00	\$205.00	\$1,640.00
83	630	Sign Reset	7 EACH	\$100.00	\$700.00	\$150.00	\$1,050.00	\$105.00	\$735.00	\$110.00	\$770.00
84	632	Signal Support Foundation	4 EACH	\$1,800.00	\$7,200.00	\$2,000.00	\$8,000.00	\$1,850.00	\$7,400.00	\$1,850.00	\$7,400.00

85	633	Cabinet Foundation	1 EACH	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$1,225.00	\$1,225.00	\$1,225.00	\$1,225.00
86	632	Conduit Riser, 2 in. dia.	3 EACH	\$500.00	\$1,500.00	\$250.00	\$750.00	\$332.00	\$996.00	\$332.00	\$996.00
87	625	Trenching in Paved area (Type B)	600 L.F.	\$5.00	\$3,000.00	\$10.00	\$6,000.00	\$53.00	\$31,800.00	\$53.00	\$31,800.00
88	625	Conduit, 2", PVC, SCHEDULE 40	70 L.F.	\$7.00	\$490.00	\$5.00	\$350.00	\$2.35	\$164.50	\$2.35	\$164.50
89	625	Conduit, 3", PVC, SCHEDULE 40	620 L.F.	\$10.00	\$6,200.00	\$5.00	\$3,100.00	\$6.00	\$3,720.00	\$6.00	\$3,720.00
90	625	Pull Box, 24" x 36" x 24"	11 EACH	\$550.00	\$6,050.00	\$1,000.00	\$11,000.00	\$846.00	\$9,306.00	\$846.00	\$9,306.00
91	632	Vehicular Signal Head, 3-section, 12 Inch, LED	20 EACH	\$1,300.00	\$26,000.00	\$500.00	\$10,000.00	\$688.00	\$13,760.00	\$688.00	\$13,760.00
92	632	Vehicular Signal Head, 4-section, 12 Inch, LED	2 EACH	\$1,300.00	\$2,600.00	\$600.00	\$1,200.00	\$837.00	\$1,674.00	\$837.00	\$1,674.00
93	632	Vehicular Signal Head, 5-section, 12 Inch, LED	7 EACH	\$1,400.00	\$9,800.00	\$850.00	\$5,950.00	\$1,057.00	\$7,399.00	\$1,057.00	\$7,399.00
			10 EACH	\$700.00							
94	632	Pedestrian Signal Head, LED, Type D2 Hand/Man Overlay			\$7,000.00	\$300.00	\$3,000.00	\$500.00	\$5,000.00	\$500.00	\$5,000.00
95	632	Pedestrian Push Button	8 EACH	\$50.00	\$400.00	\$120.00	\$960.00	\$178.00	\$1,424.00	\$178.00	\$1,424.00
96	632	Signal Cable, 7-Conductor No. 14 AWG	11200 L.F.	\$4.00	\$44,800.00	\$1.00	\$11,200.00	\$1.65	\$18,480.00	\$1.65	\$18,480.00
		Interconnect, Fiber Optic, Trunk Cable, 24 Fiber	4600 L.F.	\$4.00							
97	632	Singlemode, Loose Tube			\$18,400.00	\$1.00	\$4,600.00	\$4.00	\$18,400.00	\$4.00	\$18,400.00
98	632	Power Cable, 2-Conductor No. 6 AWG	600 L.F.	\$6.50	\$3,900.00	\$3.00	\$1,800.00	\$3.00	\$1,800.00	\$3.00	\$1,800.00
99	632	Combination Signal Support, Type TC-81.20, Design 12	4 EACH	\$7,000.00	\$28,000.00	\$7,500.00	\$30,000.00	\$9,384.00	\$37,536.00	\$9,384.00	\$37,536.00
		Controller Unit, Econolite ASC/2S-2100 Type 2 with	3 EACH	\$7,000.00							
100	633	Cabinet, Type TS-1			\$21,000.00	\$13,000.00	\$39,000.00	\$6,044.00	\$18,132.00	\$6,044.00	\$18,132.00
101	633	Controller, master, traffic responsive	1 EACH	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$8,768.00	\$8,768.00	\$8,768.00	\$8,768.00
102	633	Controller Work Pad	2 EACH	\$7,000.00	\$14,000.00	\$100.00	\$200.00	\$178.00	\$356.00	\$178.00	\$356.00
103	632	Signalization Misc.: Video Detection Unit, As Per Plan	11 EACH	\$10,000.00	\$110,000.00	\$5,100.00	\$56,100.00	\$6,128.00	\$67,408.00	\$6,128.00	\$67,408.00
104	625	Ground Rod	8 EACH	\$10.00	\$80.00	\$140.00	\$1,120.00	\$124.00	\$992.00	\$124.00	\$992.00
105	632	Interconnect Misc.: Fan Out Kit, 6 Fiber	7 EACH	\$50.00	\$350.00	\$30.00	\$210.00	\$160.00	\$1,120.00	\$160.00	\$1,120.00
106	632	Interconnect Misc.: Drop Cable 6 Fiber	350 L.F.	\$5.00	\$1,750.00	\$1.25	\$437.50	\$1.20	\$420.00	\$1.20	\$420.00
107	632	Interconnect Misc.: Termination Panel	4 EACH	\$200.00	\$800.00	\$250.00	\$1,000.00	\$126.50	\$506.00	\$126.50	\$506.00
108	632	Interconnect Misc.: Patch Cord, Four Fiber	7 EACH	\$40.00	\$280.00	\$40.00	\$280.00	\$164.00	\$1,148.00	\$164.00	\$1,148.00
109	632	Interconnect Misc.: Fusion Splice	60 EACH	\$20.00	\$1,200.00	\$30.00	\$1,800.00	\$36.00	\$2,160.00	\$36.00	\$2,160.00
110	632	Interconnect Misc.: Fusion Splicer	1 EACH	\$7,000.00	\$7,000.00	\$7,500.00	\$7,500.00	\$10,656.00	\$10,656.00	\$10,656.00	\$10,656.00
111	632	Interconnect Misc.: Transceiver	4 EACH	\$2,000.00	\$8,000.00	\$1,200.00	\$4,800.00	\$1,686.00	\$6,744.00	\$1,686.00	\$6,744.00
112	632	Interconnect Misc.: Transceiver (Ethernet for Video)	3 EACH	\$2,000.00	\$6,000.00	\$2,000.00	\$6,000.00	\$2,670.00	\$8,010.00	\$2,670.00	\$8,010.00
113	632	Interconnect Misc.: Cleave Tool	1 EACH	\$1,500.00	\$1,500.00	\$2,000.00	\$2,000.00	\$4,659.00	\$4,659.00	\$4,659.00	\$4,659.00
114	632	Interconnect Misc.: Fiber Optic Termination Tool	1 EACH	\$2,000.00	\$2,000.00	\$800.00	\$800.00	\$2,907.00	\$2,907.00	\$2,907.00	\$2,907.00
115	632	Interconnect Misc.: Optical Time Domain Reflectometer	1 EACH	\$10,000.00	\$10,000.00	\$11,000.00	\$11,000.00	\$11,547.00	\$11,547.00	\$11,547.00	\$11,547.00
116	632	Interconnect Misc.: Fiber Optic Training Plan	1 L.S.	\$3,500.00	\$3,500.00	\$9,400.00	\$9,400.00	\$7,080.00	\$7,080.00	\$7,080.00	\$7,080.00
117	632	Video Misc.: Four Camera Video Server	3 EACH	\$3,000.00	\$9,000.00	\$1,400.00	\$4,200.00	\$1,629.00	\$4,887.00	\$1,624.00	\$4,872.00
118	632	Covering of Vehicular Signal Head	8 EACH	\$14.00	\$112.00	\$10.00	\$80.00	\$20.00	\$160.00	\$20.00	\$160.00
119	632	Covering of Pedestrian Signal Head	4 EACH	\$13.00	\$52.00	\$5.00	\$20.00	\$20.00	\$80.00	\$20.00	\$80.00
120	632	Removal of Traffic Signal Installation	1 EACH	\$1,400.00	\$1,400.00	\$1,800.00	\$1,800.00	\$2,400.00	\$2,400.00	\$2,400.00	\$2,400.00
121	633	Controller Item, Preemption, Emergency, As Per Plan	3 EACH	\$6,000.00	\$18,000.00	\$7,000.00	\$21,000.00	\$6,906.00	\$20,718.00	\$6,906.00	\$20,718.00
122	633	Fiber Upgrade for Control	1 EACH	\$2,000.00	\$2,000.00	\$5,800.00	\$5,800.00	\$7,080.00	\$7,080.00	\$7,080.00	\$7,080.00
123	633	Telephone Service	1 EACH	\$300.00	\$300.00	\$500.00	\$500.00	\$428.00	\$428.00	\$428.00	\$428.00
124	633	Controller Unit, Type TS-2/A2	1 EACH	\$7,000.00	\$7,000.00	\$3,000.00	\$3,000.00	\$3,690.00	\$3,690.00	\$3,690.00	\$3,690.00
125	633	Malfunction Management Unit	1 EACH	\$800.00	\$800.00	\$500.00	\$500.00	\$594.00	\$594.00	\$594.00	\$594.00
126	653	Topsoil Furnished & Placed, 4" Thick	2167 S.Y.	\$4.00	\$8,668.00	\$3.00	\$6,501.00	\$3.30	\$7,151.10	\$3.50	\$7,584.50
127	659	Lawn Seeding and Mulching	2167 S.Y.	\$4.00	\$8,668.00	\$1.50	\$3,250.50	\$1.10	\$2,383.70	\$1.00	\$2,167.00
128	660	Sodding	2233 S.Y.	\$6.00	\$13,398.00	\$6.00	\$13,398.00	\$7.50	\$16,747.50	\$5.00	\$11,165.00

129	663	Tree Planting in Lawn Area, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	22 EACH	\$350.00		\$7,700.00	\$240.00	\$5,280.00	\$290.00	\$6,380.00	\$379.00	\$8,338.00
130	663	Tree Planting in Lawn Area, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	19 EACH	\$350.00		\$6,650.00	\$240.00	\$4,560.00	\$290.00	\$5,510.00	\$379.00	\$7,201.00
131	669	Protecting Trees	1 L.S.	\$1,000.00		\$1,000.00	\$100.00	\$100.00	\$750.00	\$750.00	\$500.00	\$500.00
132	SPEC	Computer Allowance	1 L.S.	\$4,000.00		\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00

<u>ALTERNATE #1</u>												
Alt. 1	632	Signalization Misc.: Video Detection Unit, as per plan, Autoscope Solo MVP	11 EACH	\$10,000		\$110,000.00	\$6,500.00	\$71,500.00	\$6,128.00	\$67,408.00	\$6,128.00	\$67,408.00
<u>ALTERNATE #2</u>												
Alt. 2	625	Pull Boxes, 24" x 18", Polymer Concrete, CDR	3 EACH	\$800		\$2,400.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00	\$500.00	\$1,500.00
<u>ALTERNATE #3</u>												
Alt. 3	632	Interconnect Misc.: Termination Panel	4 EACH	\$200		\$800.00	\$300.00	\$1,200.00	\$114.00	\$456.00	\$114.00	\$456.00
<u>ALTERNATE #4</u>												
Alt. 4	632	Painting Existing Steel	2 EACH	\$500		\$1,000.00	\$1,500.00	\$3,000.00	\$3,000.00	\$6,000.00	\$3,000.00	\$6,000.00

TOTAL CONSTRUCTION COSTS					\$1,845,446.00	\$1,871,913.45	\$1,952,260.79	\$2,004,971.50				
+/- ENGINEER'S ESTIMATE						+1.4%	+5.8%	+8.6%				
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS					\$110,000.00	\$71,500.00	\$67,408.00	\$67,408.00				
+/- ENGINEER'S ESTIMATE						-35.0%	-38.7%	-38.7%				
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS					\$2,400.00	\$1,500.00	\$1,500.00	\$1,500.00				
+/- ENGINEER'S ESTIMATE						-37.5%	-37.5%	-37.5%				
<u>ALTERNATE #3</u>												
TOTAL CONSTRUCTION COSTS					\$800.00	\$1,200.00	\$456.00	\$456.00				
+/- ENGINEER'S ESTIMATE						+50.0%	-43.0%	-43.0%				
<u>ALTERNATE #4</u>												
TOTAL CONSTRUCTION COSTS					\$1,000.00	\$3,000.00	\$6,000.00	\$6,000.00				
+/- ENGINEER'S ESTIMATE						+200.0%	+500.0%	+500.0%				

* Non-segregated Facilities Form Item No. 2 Incomplete
** Non-segregated Facilities Form Item No. 2 Incomplete

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE		4. Northstart Asphalt, Inc.		5. Vito Gironda Construction		**6. Liberta dba Cioffi	
					PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT	PRICE	AMOUNT
1	103.05	Contract Performance Bond	1	L.S.	\$100,000.00	\$100,000.00	\$20,000.00	\$20,000.00	\$62,000.00	\$62,000.00	\$24,000.00	\$24,000.00
2	201	Clearing and Grubbing	1	L.S.	\$5,000.00	\$5,000.00	\$6,500.00	\$6,500.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
3	202	Pipe Removed	4300	L.F.	\$4.00	\$17,200.00	\$0.50	\$2,150.00	\$1.00	\$4,300.00	\$2.00	\$8,600.00
4	202	Pipe Abandoned	4350	L.F.	\$4.00	\$17,400.00	\$0.25	\$1,087.50	\$1.00	\$4,350.00	\$1.00	\$4,350.00
5	202	Catch Basin or Inlet Removed	23	EACH	\$100.00	\$2,300.00	\$150.00	\$3,450.00	\$400.00	\$9,200.00	\$250.00	\$5,750.00
6	202	Guardrail Removed	574	L.F.	\$5.00	\$2,870.00	\$5.00	\$2,870.00	\$5.00	\$2,870.00	\$3.00	\$1,722.00
7	203	Excavation Including Embankment Construction	4510	C.Y.	\$8.00	\$36,080.00	\$20.00	\$90,200.00	\$19.00	\$85,690.00	\$15.00	\$67,650.00
8	203	Excavation of contaminated soils	100	C.Y.	\$20.00	\$2,000.00	\$75.00	\$7,500.00	\$100.00	\$10,000.00	\$100.00	\$10,000.00
9	203	Proof Rolling	3	HOUR	\$120.00	\$360.00	\$250.00	\$750.00	\$100.00	\$300.00	\$75.00	\$225.00
10	203	Aggregate Refill Type 1, 6" thick	3400	C.Y.	\$30.00	\$102,000.00	\$42.00	\$142,800.00	\$40.00	\$136,000.00	\$40.00	\$136,000.00
11	203	Aggregate Refill Type 2	500	C.Y.	\$35.00	\$17,500.00	\$42.00	\$21,000.00	\$30.00	\$15,000.00	\$30.00	\$15,000.00
12	207	Filter Fabric Fence	477	L.F.	\$1.00	\$477.00	\$4.00	\$1,908.00	\$1.00	\$477.00	\$1.00	\$477.00
13	254	6" Ductile Iron Pipe	20	L.F.	\$45.00	\$900.00	\$112.00	\$2,240.00	\$50.00	\$1,000.00	\$100.00	\$2,000.00
14	254	16" Ductile Iron Pipe	15	L.F.	\$70.00	\$1,050.00	\$199.00	\$2,985.00	\$450.00	\$6,750.00	\$500.00	\$7,500.00
15	258	6" Valve	1	EACH	\$600.00	\$600.00	\$829.00	\$829.00	\$800.00	\$800.00	\$600.00	\$600.00
16	259	6" 90° Bend	1	EACH	\$200.00	\$200.00	\$209.00	\$209.00	\$300.00	\$300.00	\$150.00	\$150.00
17	259	16" 45° Bend	4	EACH	\$800.00	\$3,200.00	\$989.00	\$3,956.00	\$800.00	\$3,200.00	\$600.00	\$2,400.00
18	259	16" x 6" Tee	1	EACH	\$500.00	\$500.00	\$1,022.00	\$1,022.00	\$800.00	\$800.00	\$1,000.00	\$1,000.00
19	259	16" Solid Sleeve	1	EACH	\$500.00	\$500.00	\$787.00	\$787.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00
20	260	6" Hydrant	2	EACH	\$2,200.00	\$4,400.00	\$1,879.00	\$3,758.00	\$3,500.00	\$7,000.00	\$2,800.00	\$5,600.00
21	265	Water Main Valve Boxes Adjusted	8	EACH	\$100.00	\$800.00	\$64.00	\$512.00	\$250.00	\$2,000.00	\$200.00	\$1,600.00
22	301	4 3/4 inch Bituminous Aggregate Base	2750	C.Y.	\$60.00	\$165,000.00	\$75.00	\$206,250.00	\$90.00	\$247,500.00	\$102.50	\$281,875.00
23	301	6 inch Bituminous Aggregate Base	3460	C.Y.	\$60.00	\$207,600.00	\$75.00	\$259,500.00	\$90.00	\$311,400.00	\$102.50	\$354,650.00
24	404	Asphalt Concrete, 1.25 inches Thickness	725	C.Y.	\$90.00	\$65,250.00	\$99.00	\$71,775.00	\$107.00	\$77,575.00	\$143.75	\$104,218.75
25	404	Asphalt Concrete, 4" Thick Driveway Reconstruction	100	S.Y.	\$90.00	\$9,000.00	\$25.00	\$2,500.00	\$19.00	\$1,900.00	\$37.50	\$3,750.00
26	407	Tack Coat	2000	GAL.	\$0.70	\$1,400.00	\$1.50	\$3,000.00	\$1.00	\$2,000.00	\$1.56	\$3,120.00
27	410	Drive and Walkway Sealcoat	100	S.Y.	\$1.50	\$150.00	\$8.50	\$850.00	\$1.00	\$100.00	\$10.00	\$1,000.00
28	455	Curb, Type 6" X 18"	6700	L.F.	\$16.00	\$107,200.00	\$15.00	\$100,500.00	\$13.00	\$87,100.00	\$15.00	\$100,500.00
29	456	Concrete Walk, 4 inches Thick House Walk	50	S.F.	\$3.00	\$150.00	\$5.20	\$260.00	\$4.75	\$237.50	\$10.00	\$500.00
30	456	Concrete Walk, 6 inches Thick	32600	S.F.	\$3.50	\$114,100.00	\$5.20	\$169,520.00	\$4.95	\$161,370.00	\$4.75	\$154,850.00
31	456	Curb Ramps	26	EACH	\$200.00	\$5,200.00	\$615.00	\$15,990.00	\$300.00	\$7,800.00	\$500.00	\$13,000.00
32	456	Concrete Driveway Reconstruction, 6 inches Thick	2000	S.F.	\$3.50	\$7,000.00	\$6.30	\$12,600.00	\$4.95	\$9,900.00	\$5.50	\$11,000.00
33	456	Concrete Aprons	3000	S.F.	\$3.50	\$10,500.00	\$6.30	\$18,900.00	\$4.95	\$14,850.00	\$5.50	\$16,500.00
34	457	Concrete median	55	S.Y.	\$15.00	\$825.00	\$65.00	\$3,575.00	\$85.00	\$4,675.00	\$85.00	\$4,675.00
35	552	12 inch Storm Sewer, Type A, Class "B" Bedding	980	L.F.	\$35.00	\$34,300.00	\$61.50	\$60,270.00	\$55.00	\$53,900.00	\$65.00	\$63,700.00
36	552	15 inch Storm Sewer, Type A, Class "B" Bedding	90	L.F.	\$40.00	\$3,600.00	\$65.40	\$5,886.00	\$65.00	\$5,850.00	\$75.00	\$6,750.00
37	553	12 inch Inlet Connection, 706.02 w/ 706.11 or 706.08 w/ 706.12, Class "B" Bedding	1070	L.F.	\$35.00	\$37,450.00	\$61.50	\$65,805.00	\$65.00	\$69,550.00	\$75.00	\$80,250.00
38	556	House Drain Pipe, Complete, 711.29	6	EACH	\$20.00	\$120.00	\$55.00	\$330.00	\$50.00	\$300.00	\$100.00	\$600.00
39	556	House Drain Pipe, Type A, 711.29	30	L.F.	\$2.00	\$60.00	\$4.00	\$120.00	\$3.00	\$90.00	\$10.00	\$300.00

40	556	House Drain Pipe, Type B, 711.29	15 L.F.	\$2.00	\$30.00	\$4.00	\$60.00	\$3.00	\$45.00	\$10.00	\$150.00
41	559	6 inch Pipe Reconnections	30 L.F.	\$35.00	\$1,050.00	\$4.00	\$120.00	\$50.00	\$1,500.00	\$50.00	\$1,500.00
42	559	6 inch Pipe Bends	12 EACH	\$35.00	\$420.00	\$12.00	\$144.00	\$100.00	\$1,200.00	\$100.00	\$1,200.00
43	562	Brick Manhole Rebuilt	10 L.F.	\$200.00	\$2,000.00	\$255.00	\$2,550.00	\$450.00	\$4,500.00	\$250.00	\$2,500.00
44	562	Manhole-A on 12 inch Storm Sewer	6 EACH	\$1,700.00	\$10,200.00	\$2,456.00	\$14,736.00	\$2,500.00	\$15,000.00	\$2,500.00	\$15,000.00
45	562	Manhole-A Slab Top on 12 inch Storm Sewer	12 EACH	\$1,700.00	\$20,400.00	\$2,476.00	\$29,712.00	\$2,500.00	\$30,000.00	\$2,500.00	\$30,000.00
46	562	Brick Manhole Adjusted	18 EACH	\$300.00	\$5,400.00	\$334.00	\$6,012.00	\$400.00	\$7,200.00	\$350.00	\$6,300.00
47	563	Inlet, No. 5 (Casting Supplied by City)	18 EACH	\$1,700.00	\$30,600.00	\$1,977.00	\$35,586.00	\$1,400.00	\$25,200.00	\$1,500.00	\$27,000.00
48	563	Inlet, No. 5 (Modified), (Casting Supplied by City)	6 EACH	\$1,700.00	\$10,200.00	\$1,999.00	\$11,994.00	\$1,700.00	\$10,200.00	\$1,800.00	\$10,800.00
49	563	Inlet, Double No. 5 (Casting Supplied by City)	3 EACH	\$1,700.00	\$5,100.00	\$2,324.00	\$6,972.00	\$1,800.00	\$5,400.00	\$2,000.00	\$6,000.00
			1 EACH	\$1,700.00							
50	563	Inlet, Double No. 5 (Modified), (Casting supplied by City)			\$1,700.00	\$2,436.00	\$2,436.00	\$1,900.00	\$1,900.00	\$2,000.00	\$2,000.00
51	563	Inlet Reconstructed	2 EACH	\$1,200.00	\$2,400.00	\$562.00	\$1,124.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00
52	564	4 inch Pipe Underdrains, 707.15	6700 L.F.	\$3.00	\$20,100.00	\$4.70	\$31,490.00	\$4.00	\$26,800.00	\$10.00	\$67,000.00
53	602	Concrete masonry with reinforcement	10 C.Y.	\$250.00	\$2,500.00	\$627.00	\$6,270.00	\$650.00	\$6,500.00	\$650.00	\$6,500.00
			40 S.Y.	\$20.00							
54	603	Slag or Limestone for Driveway Reconstruction, 6" Thick			\$800.00	\$20.00	\$800.00	\$9.00	\$360.00	\$10.00	\$400.00
55	604	Bank Run Gravel	79 C.Y.	\$10.00	\$790.00	\$35.00	\$2,765.00	\$10.00	\$790.00	\$20.00	\$1,580.00
56	606	Guardrail, Type 5	574 L.F.	\$10.00	\$5,740.00	\$21.00	\$12,054.00	\$22.00	\$12,628.00	\$26.00	\$14,924.00
57	609	Engineering Geogrid for Roadways, Tensar BX 1200	2000 S.Y.	\$6.00	\$12,000.00	\$5.00	\$10,000.00	\$4.00	\$8,000.00	\$5.00	\$10,000.00
58	614	Maintaining Traffic	1 L.S.	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$53,700.00	\$53,700.00	\$70,000.00	\$70,000.00
59	616	Calcium Chloride	4 TONS	\$40.00	\$160.00	\$150.00	\$600.00	\$100.00	\$400.00	\$100.00	\$400.00
60	619	Field Office	1 L.S.	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$2,500.00	\$2,500.00
61	621	Lane Lines, 4 inch	6000 L.F.	\$1.00	\$6,000.00	\$0.20	\$1,200.00	\$0.30	\$1,800.00	\$0.20	\$1,200.00
62	621	Center Lines	3000 L.F.	\$1.00	\$3,000.00	\$0.45	\$1,350.00	\$0.40	\$1,200.00	\$0.50	\$1,500.00
63	621	Stop Lines	150 L.F.	\$2.50	\$375.00	\$4.50	\$675.00	\$3.00	\$450.00	\$5.25	\$787.50
64	621	Crosswalk Lines	270 L.F.	\$1.30	\$351.00	\$2.50	\$675.00	\$1.75	\$472.50	\$2.63	\$710.10
65	621	Lane Arrows	4 EACH	\$45.00	\$180.00	\$60.00	\$240.00	\$85.00	\$340.00	\$65.00	\$260.00
66	621	Word on Pavement	4 EACH	\$55.00	\$220.00	\$75.00	\$300.00	\$65.00	\$260.00	\$85.00	\$340.00
67	622	Monument Boxes (Casting supplied by City)	6 EACH	\$300.00	\$1,800.00	\$500.00	\$3,000.00	\$150.00	\$900.00	\$350.00	\$2,100.00
68	623	Construction Layout Stakes	1 L.S.	\$50,000.00	\$50,000.00	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$25,000.00	\$25,000.00
69	624	Mobilization	1 L.S.	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00	\$72,000.00	\$72,000.00	\$15,000.00	\$15,000.00
70	625	250 Watt HPS luminaire	3 EACH	\$800.00	\$2,400.00	\$340.00	\$1,020.00	\$322.00	\$966.00	\$402.50	\$1,207.50
71	625	16' galvanized steel upsweep bracket arms	3 EACH	\$600.00	\$1,800.00	\$825.00	\$2,475.00	\$786.00	\$2,358.00	\$982.50	\$2,947.50
72	625	Awg No. 10 pole and bracket cable	350 L.F.	\$1.00	\$350.00	\$1.10	\$385.00	\$1.05	\$367.50	\$1.31	\$458.50
73	625	Fused connector (in pole handhole)	3 EACH	\$60.00	\$180.00	\$60.00	\$180.00	\$55.00	\$165.00	\$68.75	\$206.25
			880 L.F.	\$1.00							
74	625	AWG No. 4 type use copper 600 Volt Distribution Cable			\$880.00	\$2.50	\$2,200.00	\$2.40	\$2,112.00	\$3.00	\$2,640.00
75	625	2" PVC Sch. 40 Conduit	375 L.F.	\$5.00	\$1,875.00	\$2.40	\$900.00	\$2.35	\$881.25	\$2.94	\$1,102.50
76	625	4-unit underground connectors	8 EACH	\$60.00	\$480.00	\$85.00	\$680.00	\$79.00	\$632.00	\$98.75	\$790.00
77	625	Pull Boxes, 24" x 18", Polymer Concrete	4 EACH	\$500.00	\$2,000.00	\$550.00	\$2,200.00	\$530.00	\$2,120.00	\$662.50	\$2,650.00
78	625	2" conduit riser on existing wood pole	1 EACH	\$300.00	\$300.00	\$360.00	\$360.00	\$344.00	\$344.00	\$430.00	\$430.00
79	625	Trench	375 L.F.	\$5.00	\$1,875.00	\$5.50	\$2,062.50	\$5.25	\$1,968.75	\$6.56	\$2,460.00
80	629	Street Signs Reset	3 EACH	\$100.00	\$300.00	\$296.00	\$888.00	\$282.00	\$846.00	\$352.50	\$1,057.50
81	630	Traffic Sign - Type A	10 EACH	\$100.00	\$1,000.00	\$230.00	\$2,300.00	\$219.00	\$2,190.00	\$273.75	\$2,737.50
82	630	Traffic Sign - Type B	8 EACH	\$150.00	\$1,200.00	\$375.00	\$3,000.00	\$356.00	\$2,848.00	\$445.00	\$3,560.00
83	630	Sign Reset	7 EACH	\$100.00	\$700.00	\$290.00	\$2,030.00	\$282.00	\$1,974.00	\$352.50	\$2,467.50
84	632	Signal Support Foundation	4 EACH	\$1,800.00	\$7,200.00	\$1,940.00	\$7,760.00	\$1,850.00	\$7,400.00	\$2,312.50	\$9,250.00

85	633	Cabinet Foundation	1 EACH	\$800.00	\$800.00	\$1,290.00	\$1,290.00	\$1,225.00	\$1,225.00	\$1,531.25	\$1,531.25
86	632	Conduit Riser, 2 in. dia.	3 EACH	\$500.00	\$1,500.00	\$350.00	\$1,050.00	\$332.00	\$996.00	\$415.00	\$1,245.00
87	625	Trenching in Paved area (Type B)	600 L.F.	\$5.00	\$3,000.00	\$55.00	\$33,000.00	\$53.00	\$31,800.00	\$66.25	\$39,750.00
88	625	Conduit, 2", PVC, SCHEDULE 40	70 L.F.	\$7.00	\$490.00	\$2.50	\$175.00	\$2.35	\$164.50	\$2.94	\$205.80
89	625	Conduit, 3", PVC, SCHEDULE 40	620 L.F.	\$10.00	\$6,200.00	\$6.50	\$4,030.00	\$6.00	\$3,720.00	\$7.50	\$4,650.00
90	625	Pull Box, 24" x 36" x 24"	11 EACH	\$550.00	\$6,050.00	\$880.00	\$9,680.00	\$846.00	\$9,306.00	\$1,057.50	\$11,632.50
91	632	Vehicular Signal Head, 3-section, 12 Inch, LED	20 EACH	\$1,300.00	\$26,000.00	\$720.00	\$14,400.00	\$688.00	\$13,760.00	\$860.00	\$17,200.00
92	632	Vehicular Signal Head, 4-section, 12 Inch, LED	2 EACH	\$1,300.00	\$2,600.00	\$875.00	\$1,750.00	\$837.00	\$1,674.00	\$1,046.25	\$2,092.50
93	632	Vehicular Signal Head, 5-section, 12 Inch, LED	7 EACH	\$1,400.00	\$9,800.00	\$1,100.00	\$7,700.00	\$1,057.00	\$7,399.00	\$1,321.25	\$9,248.75
			10 EACH	\$700.00							
94	632	Pedestrian Signal Head, LED, Type D2 Hand/Man Overlay			\$7,000.00	\$520.00	\$5,200.00	\$500.00	\$5,000.00	\$625.00	\$6,250.00
95	632	Pedestrian Push Button	8 EACH	\$50.00	\$400.00	\$190.00	\$1,520.00	\$178.00	\$1,424.00	\$222.50	\$1,780.00
96	632	Signal Cable, 7-Conductor No. 14 AWG	11200 L.F.	\$4.00	\$44,800.00	\$1.70	\$19,040.00	\$1.65	\$18,480.00	\$2.06	\$23,072.00
		Interconnect, Fiber Optic, Trunk Cable, 24 Fiber	4600 L.F.	\$4.00							
97	632	Singlemode, Loose Tube			\$18,400.00	\$4.20	\$19,320.00	\$4.00	\$18,400.00	\$5.00	\$23,000.00
98	632	Power Cable, 2-Conductor No. 6 AWG	600 L.F.	\$6.50	\$3,900.00	\$3.15	\$1,890.00	\$3.00	\$1,800.00	\$3.75	\$2,250.00
99	632	Combination Signal Support, Type TC-81.20, Design 12	4 EACH	\$7,000.00	\$28,000.00	\$9,850.00	\$39,400.00	\$9,384.00	\$37,536.00	\$11,730.00	\$46,920.00
		Controller Unit, Econolite ASC/2S-2100 Type 2 with	3 EACH	\$7,000.00							
100	633	Cabinet, Type TS-1			\$21,000.00	\$6,350.00	\$19,050.00	\$6,044.00	\$18,132.00	\$7,555.00	\$22,665.00
101	633	Controller, master, traffic responsive	1 EACH	\$7,000.00	\$7,000.00	\$9,205.00	\$9,205.00	\$8,768.00	\$8,768.00	\$10,960.00	\$10,960.00
102	633	Controller Work Pad	2 EACH	\$7,000.00	\$14,000.00	\$190.00	\$380.00	\$178.00	\$356.00	\$222.50	\$445.00
103	632	Signalization Misc.: Video Detection Unit, As Per Plan	11 EACH	\$10,000.00	\$110,000.00	\$6,435.00	\$70,785.00	\$6,128.00	\$67,408.00	\$7,660.00	\$84,260.00
104	625	Ground Rod	8 EACH	\$10.00	\$80.00	\$130.00	\$1,040.00	\$124.00	\$992.00	\$155.00	\$1,240.00
105	632	Interconnect Misc.: Fan Out Kit, 6 Fiber	7 EACH	\$50.00	\$350.00	\$170.00	\$1,190.00	\$160.00	\$1,120.00	\$200.00	\$1,400.00
106	632	Interconnect Misc.: Drop Cable 6 Fiber	350 L.F.	\$5.00	\$1,750.00	\$1.25	\$437.50	\$1.20	\$420.00	\$1.50	\$525.00
107	632	Interconnect Misc.: Termination Panel	4 EACH	\$200.00	\$800.00	\$130.00	\$520.00	\$126.50	\$506.00	\$158.13	\$632.52
108	632	Interconnect Misc.: Patch Cord, Four Fiber	7 EACH	\$40.00	\$280.00	\$170.00	\$1,190.00	\$164.00	\$1,148.00	\$205.00	\$1,435.00
109	632	Interconnect Misc.: Fusion Splice	60 EACH	\$20.00	\$1,200.00	\$40.00	\$2,400.00	\$36.00	\$2,160.00	\$45.00	\$2,700.00
110	632	Interconnect Misc.: Fusion Splicer	1 EACH	\$7,000.00	\$7,000.00	\$11,180.00	\$11,180.00	\$10,656.00	\$10,656.00	\$13,320.00	\$13,320.00
111	632	Interconnect Misc.: Transceiver	4 EACH	\$2,000.00	\$8,000.00	\$1,770.00	\$7,080.00	\$1,686.00	\$6,744.00	\$2,107.50	\$8,430.00
112	632	Interconnect Misc.: Transceiver (Ethernet for Video)	3 EACH	\$2,000.00	\$6,000.00	\$2,800.00	\$8,400.00	\$2,670.00	\$8,010.00	\$3,337.50	\$10,012.50
113	632	Interconnect Misc.: Cleave Tool	1 EACH	\$1,500.00	\$1,500.00	\$4,890.00	\$4,890.00	\$4,659.00	\$4,659.00	\$5,823.75	\$5,823.75
114	632	Interconnect Misc.: Fiber Optic Termination Tool	1 EACH	\$2,000.00	\$2,000.00	\$3,050.00	\$3,050.00	\$2,907.00	\$2,907.00	\$3,633.75	\$3,633.75
115	632	Interconnect Misc.: Optical Time Domain Reflectometer	1 EACH	\$10,000.00	\$10,000.00	\$12,125.00	\$12,125.00	\$11,547.00	\$11,547.00	\$14,433.75	\$14,433.75
116	632	Interconnect Misc.: Fiber Optic Training Plan	1 L.S.	\$3,500.00	\$3,500.00	\$7,430.00	\$7,430.00	\$7,080.00	\$7,080.00	\$8,850.00	\$8,850.00
117	632	Video Misc.: Four Camera Video Server	3 EACH	\$3,000.00	\$9,000.00	\$1,705.00	\$5,115.00	\$1,624.00	\$4,872.00	\$2,030.00	\$6,090.00
118	632	Covering of Vehicular Signal Head	8 EACH	\$14.00	\$112.00	\$25.00	\$200.00	\$20.00	\$160.00	\$25.00	\$200.00
119	632	Covering of Pedestrian Signal Head	4 EACH	\$13.00	\$52.00	\$30.00	\$120.00	\$20.00	\$80.00	\$25.00	\$100.00
120	632	Removal of Traffic Signal Installation	1 EACH	\$1,400.00	\$1,400.00	\$2,520.00	\$2,520.00	\$2,400.00	\$2,400.00	\$3,000.00	\$3,000.00
121	633	Controller Item, Preemption, Emergency, As Per Plan	3 EACH	\$6,000.00	\$18,000.00	\$7,250.00	\$21,750.00	\$6,906.00	\$20,718.00	\$8,632.50	\$25,897.50
122	633	Fiber Upgrade for Control	1 EACH	\$2,000.00	\$2,000.00	\$7,430.00	\$7,430.00	\$7,080.00	\$7,080.00	\$8,850.00	\$8,850.00
123	633	Telephone Service	1 EACH	\$300.00	\$300.00	\$500.00	\$500.00	\$428.00	\$428.00	\$535.00	\$535.00
124	633	Controller Unit, Type TS-2/A2	1 EACH	\$7,000.00	\$7,000.00	\$3,890.00	\$3,890.00	\$3,690.00	\$3,690.00	\$4,612.50	\$4,612.50
125	633	Malfunction Management Unit	1 EACH	\$800.00	\$800.00	\$630.00	\$630.00	\$594.00	\$594.00	\$742.50	\$742.50
126	653	Topsoil Furnished & Placed, 4" Thick	2167 S.Y.	\$4.00	\$8,668.00	\$3.50	\$7,584.50	\$4.40	\$9,534.80	\$5.25	\$11,376.75
127	659	Lawn Seeding and Mulching	2167 S.Y.	\$4.00	\$8,668.00	\$1.20	\$2,600.40	\$0.95	\$2,058.65	\$1.15	\$2,492.05
128	660	Sodding	2233 S.Y.	\$6.00	\$13,398.00	\$7.90	\$17,640.70	\$9.00	\$20,097.00	\$10.50	\$23,446.50

129	663	Tree Planting in Lawn Area, American Salute Crabapple 2.5" BB (Malus sp. 'American Salute')	22 EACH	\$350.00		\$7,700.00	\$305.00	\$6,710.00	\$268.00	\$5,896.00	\$325.00	\$7,150.00
130	663	Tree Planting in Lawn Area, Madonna Crabapple 2.5" BB (Malus sp. 'Madonna')	19 EACH	\$350.00		\$6,650.00	\$305.00	\$5,795.00	\$268.00	\$5,092.00	\$325.00	\$6,175.00
131	669	Protecting Trees	1 L.S.	\$1,000.00		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$2,000.00	\$2,000.00
132	SPEC	Computer Allowance	1 L.S.	\$4,000.00		\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00

<u>ALTERNATE #1</u>												
Alt. 1	632	Signalization Misc.: Video Detection Unit, as per plan, Autoscope Solo MVP	11 EACH	\$10,000		\$110,000.00	\$6,430.00	\$70,730.00	\$6,128.00	\$67,408.00	\$7,660.00	\$84,260.00
<u>ALTERNATE #2</u>												
Alt. 2	625	Pull Boxes, 24" x 18", Polymer Concrete, CDR	3 EACH	\$800		\$2,400.00	\$530.00	\$1,590.00	\$500.00	\$1,500.00	\$625.00	\$1,875.00
<u>ALTERNATE #3</u>												
Alt. 3	632	Interconnect Misc.: Termination Panel	4 EACH	\$200		\$800.00	\$150.00	\$600.00	\$114.00	\$456.00	\$142.50	\$570.00
<u>ALTERNATE #4</u>												
Alt. 4	632	Painting Existing Steel	2 EACH	\$500		\$1,000.00	\$3,150.00	\$6,300.00	\$3,000.00	\$6,000.00	\$3,750.00	\$7,500.00

TOTAL CONSTRUCTION COSTS					\$1,845,446.00	\$2,057,233.10	\$2,145,650.45	\$2,349,740.97				
+/- ENGINEER'S ESTIMATE						+11.5%	+16.3%	+27.3%				
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS					\$110,000.00	\$70,730.00	\$67,408.00	\$84,260.00				
+/- ENGINEER'S ESTIMATE						-35.7%	-38.7%	-23.4%				
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS					\$2,400.00	\$1,590.00	\$1,500.00	\$1,875.00				
+/- ENGINEER'S ESTIMATE						-33.8%	-37.5%	-21.9%				
<u>ALTERNATE #3</u>												
TOTAL CONSTRUCTION COSTS					\$800.00	\$600.00	\$456.00	\$570.00				
+/- ENGINEER'S ESTIMATE						-25.0%	-43.0%	-28.8%				
<u>ALTERNATE #4</u>												
TOTAL CONSTRUCTION COSTS					\$1,000.00	\$6,300.00	\$6,000.00	\$7,500.00				
+/- ENGINEER'S ESTIMATE						+530.0%	+500.0%	+650.0%				

* Non-segregated Facilities Form Item No. 2 Incomplete
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