

**OFFICE OF THE FULTON COUNTY ENGINEER**

Frank T. Onweller, P.E., P.S.,  
County Engineer

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BIDDERS TABULATION PROJECT: ROADWAY IMPROVEMENTS FOR COUNTY ROAD H & SR109 & TRAFFIC SIGNAL INSTALLATION BID DATE: October 3, 2025				Vernon Nagel, Inc. \$1,377,334.92 83.40%		Harris United LLC \$1,419,282.38 85.94%		Crestline Paving & Excavating Co Inc. \$1,478,938.50 89.55%		Hillbrand & Sons Construction \$1,522,096.09 92.17%		
REF	ITEM			UNIT	ESTIMATED	UNIT	ESTIMATED	UNIT	ESTIMATED	UNIT	ESTIMATED	
NO.	NO.	QUANTITY	UNITS	DESCRIPTION	PRICE	COST	COST	PRICE	COST	PRICE	COST	
<b>Road H</b>												
1	201	1.000	LUMP	Clearing and Grubbing	\$ 950.00	\$ 950.00	\$ 2,500.00	\$ 2,500.00	\$ 1,000.00	\$ 1,000.00	\$ 1,100.00	\$ 1,100.00
2	202	3130.000	SY	Pavement Removed	\$ 5.80	\$ 18,154.00	\$ 10.00	\$ 31,300.00	\$ 8.75	\$ 27,387.50	\$ 7.70	\$ 24,101.00
3	202	80.000	FT	Pipe Removed, 24" and Under	\$ 4.00	\$ 320.00	\$ 30.00	\$ 2,400.00	\$ 22.00	\$ 1,760.00	\$ 13.57	\$ 1,085.60
4	202	1.000	EACH	Catch Basin or Inlet Removed	\$ 8.20	\$ 8.20	\$ 1,430.00	\$ 1,430.00	\$ 650.00	\$ 650.00	\$ 542.75	\$ 542.75
5	203	2564.000	CY	Excavation	\$ 19.20	\$ 49,228.80	\$ 20.00	\$ 51,280.00	\$ 32.00	\$ 82,048.00	\$ 20.87	\$ 53,510.68
6	203	471.000	CY	Embankment	\$ 6.00	\$ 2,826.00	\$ 30.00	\$ 14,130.00	\$ 45.00	\$ 21,195.00	\$ 45.07	\$ 21,227.97
7	204	6569.000	SY	Subgrade Compaction	\$ 0.50	\$ 3,284.50	\$ 4.00	\$ 26,276.00	\$ 1.35	\$ 8,868.15	\$ 1.45	\$ 9,525.05
8	204	6.000	HOUR	Proof Rolling	\$ 240.00	\$ 1,440.00	\$ 250.00	\$ 1,500.00	\$ 120.00	\$ 720.00	\$ 119.19	\$ 715.14
9	206	4956.000	SY	Cement Stabilized Subgrade	\$ 10.65	\$ 52,781.40	\$ 10.00	\$ 49,560.00	\$ 11.60	\$ 57,489.60	\$ 12.43	\$ 61,603.08
10	206	1.000	LUMP	Mixture Design for Chemically Stabilized Soils	\$ 10,000.00	\$ 10,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00	\$ 10,000.00	\$ 11,000.00	\$ 11,000.00
11	SP	164.000	SY	18" Undercut, 3" Lifts	\$ 54.00	\$ 8,856.00	\$ 1.00	\$ 164.00	\$ 60.00	\$ 9,840.00	\$ 11.29	\$ 1,851.56
12	SP	2.000	EACH	Mailbox Removed and Reset	\$ 250.00	\$ 500.00	\$ 250.00	\$ 500.00	\$ 150.00	\$ 300.00	\$ 379.50	\$ 759.00
13	659	224.000	CY	Topsoil	\$ 55.00	\$ 12,320.00	\$ 40.00	\$ 8,960.00	\$ 90.00	\$ 20,160.00	\$ 70.36	\$ 15,760.64
14	659	2690.000	SY	Seeding and Mulching	\$ 1.40	\$ 3,766.00	\$ 5.00	\$ 13,450.00	\$ 2.15	\$ 5,783.50	\$ 1.54	\$ 4,142.60
15	832	1.000	LUMP	Stormwater Pollution Prevention Plan	\$ 2,300.00	\$ 2,300.00	\$ 4,500.00	\$ 4,500.00	\$ 2,000.00	\$ 2,000.00	\$ 9,399.50	\$ 9,399.50
16	832	1.000	EACH	Erosion Control	\$ 1.00	\$ 1.00	\$ 7,500.00	\$ 7,500.00	\$ 4,680.00	\$ 4,680.00	\$ 5,500.00	\$ 5,500.00
17	605	2783.000	FT	4" Unclassified Pipe Underdrains with Geotextile Fabric	\$ 9.80	\$ 27,273.40	\$ 15.00	\$ 41,745.00	\$ 20.00	\$ 55,660.00	\$ 22.97	\$ 63,925.51
18	611	1.000	EACH	Manhole, Catch Basin, or Inlet Adjusted to Grade	\$ 620.00	\$ 620.00	\$ 6,575.00	\$ 6,575.00	\$ 1,250.00	\$ 1,250.00	\$ 953.50	\$ 953.50
19	611	100.000	FT	4" Conduit, Type B	\$ 32.00	\$ 3,200.00	\$ 25.00	\$ 2,500.00	\$ 45.00	\$ 4,500.00	\$ 51.06	\$ 5,106.00
20	611	74.000	FT	12" Conduit, Type D	\$ 72.00	\$ 5,328.00	\$ 20.00	\$ 1,480.00	\$ 71.00	\$ 5,254.00	\$ 73.62	\$ 5,447.88
21	611	130.000	FT	12" Conduit, Type B	\$ 134.00	\$ 17,420.00	\$ 15.00	\$ 1,950.00	\$ 140.00	\$ 18,200.00	\$ 84.56	\$ 10,992.80
22	611	2.000	EACH	Manhole, No. 3	\$ 3,950.00	\$ 7,900.00	\$ 6,000.00	\$ 12,000.00	\$ 4,700.00	\$ 9,400.00	\$ 3,854.83	\$ 7,709.66
23	611	1.000	EACH	Catch Basin, No. 1	\$ 1,660.00	\$ 1,660.00	\$ 5,500.00	\$ 5,500.00	\$ 2,400.00	\$ 2,400.00	\$ 3,201.25	\$ 3,201.25
24	611	1.000	EACH	Catch Basin, No. 2-2B	\$ 1,960.00	\$ 1,960.00	\$ 5,000.00	\$ 5,000.00	\$ 2,400.00	\$ 2,400.00	\$ 2,711.75	\$ 2,711.75
25	255	424.000	FT	Full Depth Pavement Sawing	\$ 2.10	\$ 890.40	\$ 5.00	\$ 2,120.00	\$ 3.00	\$ 1,272.00	\$ 2.46	\$ 1,043.04
26	301	1210.000	CY	Asphalt Concrete Base, PG64-22, 9"	\$ 174.00	\$ 210,540.00	\$ 220.00	\$ 266,200.00	\$ 171.00	\$ 206,910.00	\$ 199.58	\$ 241,491.80
27	304	1079.000	CY	Aggregate Base, 6"	\$ 85.00	\$ 91,715.00	\$ 90.00	\$ 97,110.00	\$ 52.00	\$ 56,108.00	\$ 43.78	\$ 47,238.62
28	304	80.000	CY	Aggregate Base, Temporary Drive Access - Love's	\$ 85.00	\$ 6,800.00	\$ 80.00	\$ 6,400.00	\$ 68.00	\$ 5,440.00	\$ 51.18	\$ 4,094.40
29	304	6.000	CY	Aggregate Base, Temporary Drive Access - Resident, Tie-In	\$ 85.00	\$ 510.00	\$ 80.00	\$ 480.00	\$ 90.00	\$ 540.00	\$ 154.19	\$ 925.14
30	407	940.000	GAL	Non-Tracking Tack Coat (0.10 GAL/SY)	\$ 2.25	\$ 2,115.00	\$ 2.00	\$ 1,880.00	\$ 3.25	\$ 3,055.00	\$ 2.48	\$ 2,331.20
31	442	261.000	CY	Asphalt Concrete Surface Course, 12.5 MM, Type A (446), 2"	\$ 235.00	\$ 61,335.00	\$ 220.00	\$ 57,420.00	\$ 241.00	\$ 62,901.00	\$ 258.50	\$ 67,468.50
32	442	261.000	CY	Asphalt Concrete Intermediate Course, 12.5 MM, Type A (446), 2"	\$ 220.00	\$ 57,420.00	\$ 110.00	\$ 28,710.00	\$ 241.00	\$ 62,901.00	\$ 242.00	\$ 63,162.00
33	452	530.000	CY	12" Non-Reinforced Concrete Pavement	\$ 342.80	\$ 181,684.00	\$ 90.00	\$ 47,700.00	\$ 407.00	\$ 215,710.00	\$ 426.80	\$ 226,204.00
34	621	21.000	EACH	RPM	\$ 135.00	\$ 2,835.00	\$ 150.00	\$ 3,150.00	\$ 160.00	\$ 3,360.00	\$ 148.50	\$ 3,118.50
35	621	8.000	EACH	Raised Pavement Marker Removed	\$ 7.00	\$ 56.00	\$ 350.00	\$ 2,800.00	\$ 50.00	\$ 400.00	\$ 129.25	\$ 1,034.00
36	630	31.000	SF	Sign, Flat Sheet	\$ 24.00	\$ 744.00	\$ 50.00	\$ 1,550.00	\$ 34.00	\$ 1,054.00	\$ 26.40	\$ 818.40
37	630	133.000	FT	Ground Mounted Support Post, No.3	\$ 14.00	\$ 1,862.00	\$ 3.00	\$ 399.00	\$ 14.00	\$ 1,862.00	\$ 15.40	\$ 2,048.20

38	630	3.000	EACH	Removal of Ground Mounted Sign and Disposal	\$ 20.00	\$ 60.00	\$ 350.00	\$ 1,050.00	\$ 20.00	\$ 60.00	\$ 22.00	\$ 66.00
39	630	4.000	EACH	Removal of Ground Mounted Sign and Relocate	\$ 60.00	\$ 240.00	\$ 250.00	\$ 1,000.00	\$ 60.00	\$ 240.00	\$ 66.00	\$ 264.00
40	630	7.000	EACH	Removal of Ground Mounted Post Support and Disposal	\$ 20.00	\$ 140.00	\$ 150.00	\$ 1,050.00	\$ 20.00	\$ 140.00	\$ 22.00	\$ 154.00
41	642	1600.000	FT	Removal of Pavement Marking	\$ 1.50	\$ 2,400.00	\$ 2.00	\$ 3,200.00	\$ 1.55	\$ 2,480.00	\$ 7.05	\$ 11,280.00
42	642	4.000	EACH	Removal of Pavement Marking	\$ 150.00	\$ 600.00	\$ 350.00	\$ 1,400.00	\$ 155.00	\$ 620.00	\$ 165.00	\$ 660.00
43	644	0.560	MI	Edge Line, 6", (White)	\$ 5,000.00	\$ 2,800.00	\$ 1,000.00	\$ 560.00	\$ 5,175.00	\$ 2,898.00	\$ 6,875.00	\$ 3,850.00
44	644	0.190	MI	Center Line, 4" Double Yellow, Solid	\$ 8,000.00	\$ 1,520.00	\$ 1,000.00	\$ 190.00	\$ 8,280.00	\$ 1,573.20	\$ 8,800.00	\$ 1,672.00
45	644	0.180	MI	Center Line, 4", Yellow, Dashed	\$ 8,000.00	\$ 1,440.00	\$ 991.00	\$ 178.38	\$ 8,280.00	\$ 1,490.40	\$ 8,800.00	\$ 1,584.00
46	644	478.000	FT	Channelizing Line, 8" White	\$ 2.00	\$ 956.00	\$ 5.00	\$ 2,390.00	\$ 2.10	\$ 1,003.80	\$ 2.20	\$ 1,051.60
47	644	259.000	FT	Stop Line, 24" White	\$ 8.00	\$ 2,072.00	\$ 4.00	\$ 1,036.00	\$ 8.30	\$ 2,149.70	\$ 8.80	\$ 2,279.20
48	647	5.000	EA	Lane Arrow	\$ 100.00	\$ 500.00	\$ 350.00	\$ 1,750.00	\$ 104.00	\$ 520.00	\$ 110.00	\$ 550.00
49	614	1.000	LUMP	Maintaining Traffic	\$ 11,750.00	\$ 11,750.00	\$ 50,000.00	\$ 50,000.00	\$ 12,000.00	\$ 12,000.00	\$ 15,125.00	\$ 15,125.00
50	619	1.000	LUMP	Premium for Contract Performance, Payment and Maintenance Bond	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 3,000.00	\$ 3,000.00	\$ 5,000.00	\$ 5,000.00
51	623	1.000	LUMP	Construction Layout Stakes and Surveying	\$ 14,500.00	\$ 14,500.00	\$ 2,500.00	\$ 2,500.00	\$ 5,000.00	\$ 5,000.00	\$ 2,004.75	\$ 2,004.75
52	624	1.000	LUMP	Mobilization	\$ 27,500.00	\$ 27,500.00	\$ 2,500.00	\$ 2,500.00	\$ 19,000.00	\$ 19,000.00	\$ 9,350.00	\$ 9,350.00
					\$ 932,081.70		\$ 886,923.38		\$ 1,026,633.85		\$ 1,037,741.27	
<b>SR109</b>												
53	201	1.000	LUMP	Clearing and Grubbing	\$ 950.00	\$ 950.00	\$ 10,000.00	\$ 10,000.00	\$ 250.00	\$ 250.00	\$ 1,100.00	\$ 1,100.00
54	202	474.000	SY	Pavement Removed	\$ 5.80	\$ 2,749.20	\$ 12.00	\$ 5,688.00	\$ 14.00	\$ 6,636.00	\$ 12.65	\$ 5,996.10
55	203	570.000	CY	Excavation	\$ 19.20	\$ 10,944.00	\$ 20.00	\$ 11,400.00	\$ 45.00	\$ 25,650.00	\$ 25.04	\$ 14,272.80
56	203	49.000	CY	Embankment	\$ 6.00	\$ 294.00	\$ 35.00	\$ 1,715.00	\$ 45.00	\$ 2,205.00	\$ 29.01	\$ 1,421.49
57	204	1061.000	SY	Subgrade Compaction	\$ 0.50	\$ 530.50	\$ 25.00	\$ 26,525.00	\$ 2.00	\$ 2,122.00	\$ 1.57	\$ 1,665.77
58	653	61.000	CY	Topsoil Furnished and Placed	\$ 55.00	\$ 3,355.00	\$ 40.50	\$ 2,470.50	\$ 90.00	\$ 5,490.00	\$ 71.47	\$ 4,359.67
59	659	731.000	SY	Seeding and Mulching, Class 1	\$ 1.40	\$ 1,023.40	\$ 10.00	\$ 7,310.00	\$ 2.15	\$ 1,571.65	\$ 1.54	\$ 1,125.74
60	832	1.000	EA	Erosion Control	\$ 1.00	\$ 1.00	\$ 4,000.00	\$ 4,000.00	\$ 1,350.00	\$ 1,350.00	\$ 5,500.00	\$ 5,500.00
61	605	458.000	FT	4" Pipe Underdrain	\$ 12.50	\$ 5,725.00	\$ 30.00	\$ 13,740.00	\$ 24.00	\$ 10,992.00	\$ 23.20	\$ 10,625.60
62	254	88.000	SY	Pavement Planing, 4"	\$ 20.00	\$ 1,760.00	\$ 18.00	\$ 1,584.00	\$ 34.00	\$ 2,992.00	\$ 29.70	\$ 2,613.60
63	255	543.000	FT	Full Depth Pavement Sawing	\$ 2.10	\$ 1,140.30	\$ 5.00	\$ 2,715.00	\$ 3.00	\$ 1,629.00	\$ 1.46	\$ 792.78
64	301	161.000	CY	Asphalt Concrete Base, PG64-22, 6"	\$ 180.00	\$ 28,980.00	\$ 265.00	\$ 42,665.00	\$ 201.00	\$ 32,361.00	\$ 239.00	\$ 38,479.00
65	304	201.000	CY	Aggregate Base, 7.5" (2 Lifts)	\$ 85.00	\$ 17,085.00	\$ 80.00	\$ 16,080.00	\$ 60.00	\$ 12,060.00	\$ 47.47	\$ 9,541.47
66	304	17.000	CY	Aggregate Base, 6" (2 Lifts)	\$ 85.00	\$ 1,445.00	\$ 90.00	\$ 1,530.00	\$ 74.00	\$ 1,258.00	\$ 75.77	\$ 1,288.09
67	407	116.000	GAL	Non-Tracking Tack Coat, 0.055 Gal/SY	\$ 2.25	\$ 261.00	\$ 4.00	\$ 464.00	\$ 3.25	\$ 377.00	\$ 2.48	\$ 287.68
68	442	59.000	CY	Asphalt Concrete Surface Course, 12.5MM, Type A, PG 76-22, 2"	\$ 255.00	\$ 15,045.00	\$ 350.00	\$ 20,650.00	\$ 267.00	\$ 15,753.00	\$ 336.44	\$ 19,849.96
69	442	59.000	CY	Asphalt Concrete Intermediate Course, 12.5MM, Type A, PG 76-22, 2"	\$ 240.00	\$ 14,160.00	\$ 320.00	\$ 18,880.00	\$ 267.00	\$ 15,753.00	\$ 319.94	\$ 18,876.46
70	452	97.000	SY	Portland Cement Concrete Pavement, 4000 PSI, 11.5"	\$ 170.00	\$ 16,490.00	\$ 86.50	\$ 8,390.50	\$ 174.00	\$ 16,878.00	\$ 173.80	\$ 16,858.60
71	609	46.000	FT	Curb and Gutter, Type 2, As Per Plan	\$ 48.30	\$ 2,221.80	\$ 43.15	\$ 1,984.90	\$ 90.00	\$ 4,140.00	\$ 93.50	\$ 4,301.00
72	SPL	147.000	SY	Pavement Overlay Fabric Composite	\$ 17.25	\$ 2,535.75	\$ 15.00	\$ 2,205.00	\$ 48.00	\$ 7,056.00	\$ 18.98	\$ 2,790.06
73	621	21.000	EACH	RPM	\$ 135.00	\$ 2,835.00	\$ 150.00	\$ 3,150.00	\$ 160.00	\$ 3,360.00	\$ 148.50	\$ 3,118.50
74	621	2.000	EACH	Raised Pavement Marker Removed	\$ 13.67	\$ 27.34	\$ 2,500.00	\$ 5,000.00	\$ 50.00	\$ 100.00	\$ 129.25	\$ 258.50
75	630	16.000	SF	Sign, Flat Sheet	\$ 24.00	\$ 384.00	\$ 45.00	\$ 720.00	\$ 24.00	\$ 384.00	\$ 26.40	\$ 422.40
76	630	42.000	FT	Ground Mounted Support, No. 3 Post	\$ 14.00	\$ 588.00	\$ 10.00	\$ 420.00	\$ 14.00	\$ 588.00	\$ 15.40	\$ 646.80
77	630	2.000	EACH	Removal of Ground Mounted Sign and Relocate	\$ 60.00	\$ 120.00	\$ 1,500.00	\$ 3,000.00	\$ 60.00	\$ 120.00	\$ 66.00	\$ 132.00
78	630	2.000	EACH	Removal of Ground Mounted Post Support and Disposal	\$ 20.00	\$ 40.00	\$ 750.00	\$ 1,500.00	\$ 20.00	\$ 40.00	\$ 22.00	\$ 44.00
79	642	1690.000	FT	Removal of Pavement Marking	\$ 1.50	\$ 2,535.00	\$ 2.00	\$ 3,380.00	\$ 1.55	\$ 2,619.50	\$ 6.75	\$ 11,407.50
80	644	0.150	MI	Centerline, 4", Double Yellow, Solid	\$ 7,792.21	\$ 1,168.83	\$ 1,000.00	\$ 150.00	\$ 8,280.00	\$ 1,242.00	\$ 8,800.00	\$ 1,320.00
81	644	0.090	MI	Edge Line 4" , White	\$ 4,545.45	\$ 409.09	\$ 1,000.00	\$ 90.00	\$ 5,175.00	\$ 465.75	\$ 5,500.00	\$ 495.00
82	644	493.000	FT	Channelizing Line, 8" White	\$ 2.00	\$ 986.00	\$ 10.00	\$ 4,930.00	\$ 2.05	\$ 1,010.65	\$ 2.20	\$ 1,084.60
83	644	119.000	FT	Traverse Line, 12" Yellow	\$ 8.00	\$ 952.00	\$ 8.00	\$ 952.00	\$ 8.30	\$ 987.70	\$ 8.80	\$ 1,047.20
84	647	22.000	FT	Stop Line, 24", White	\$ 25.00	\$ 550.00	\$ 7.62	\$ 167.64	\$ 26.00	\$ 572.00	\$ 27.50	\$ 605.00

85	647	6.000	EA	Lane Arrow	\$ 375.00	\$ 2,250.00	\$ 551.00	\$ 3,306.00	\$ 390.00	\$ 2,340.00	\$ 412.50	\$ 2,475.00
86	614	1.000	LUMP	Maintaining Traffic	\$ 14,895.01	\$ 14,895.01	\$ 1,500.00	\$ 1,500.00	\$ 29,000.00	\$ 29,000.00	\$ 15,125.00	\$ 15,125.00
87	619	1.000	LUMP	Premium for Contract Performance, Payment and Maintenance Bond	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
88	623	1.000	LUMP	Construction Layout Stakes and Surveying	\$ 14,500.00	\$ 14,500.00	\$ 6,710.00	\$ 6,710.00	\$ 5,000.00	\$ 5,000.00	\$ 2,004.75	\$ 2,004.75
89	624	1.000	LUMP	Mobilization	\$ 30,500.00	\$ 30,500.00	\$ 2,500.42	\$ 2,500.42	\$ 6,250.00	\$ 6,250.00	\$ 9,350.00	\$ 9,350.00
					\$ 214,436.22		\$ 242,472.96		\$ 225,603.25		\$ 216,282.12	

**Traffic Signal**

90	611	100.000	FT	4" Conduit, Type E	\$ 10.30	\$ 1,030.00	\$ 50.00	\$ 5,000.00	\$ 10.30	\$ 1,030.00	\$ 11.33	\$ 1,133.00
91	625	67.000	FT	Conduit, 2", 725.051	\$ 7.20	\$ 482.40	\$ 28.00	\$ 1,876.00	\$ 7.20	\$ 482.40	\$ 7.92	\$ 530.64
92	625	11.000	FT	Conduit, 3", 725.051	\$ 12.70	\$ 139.70	\$ 40.00	\$ 440.00	\$ 12.70	\$ 139.70	\$ 13.97	\$ 153.67
93	625	22.000	FT	Conduit, 4", 725.051	\$ 12.80	\$ 281.60	\$ 50.00	\$ 1,100.00	\$ 12.80	\$ 281.60	\$ 14.08	\$ 309.76
94	625	100.000	FT	Trench	\$ 9.20	\$ 920.00	\$ 20.00	\$ 2,000.00	\$ 9.20	\$ 920.00	\$ 10.12	\$ 1,012.00
95	625	255.000	FT	Conduit, Jacked or Drilled, 725.051, 4"	\$ 43.00	\$ 10,965.00	\$ 120.00	\$ 30,600.00	\$ 43.00	\$ 10,965.00	\$ 47.30	\$ 12,061.50
96	625	5.000	EA	Pull Box, 725.06, Size 18	\$ 1,823.00	\$ 9,115.00	\$ 1,500.00	\$ 7,500.00	\$ 1,823.00	\$ 9,115.00	\$ 2,005.30	\$ 10,026.50
97	625	4.000	EA	Ground Rod	\$ 486.00	\$ 1,944.00	\$ 250.00	\$ 1,000.00	\$ 486.00	\$ 1,944.00	\$ 534.60	\$ 2,138.40
98	625	100.000	FT	Underground Warning/ Marking Tape	\$ 2.50	\$ 250.00	\$ 7.00	\$ 700.00	\$ 2.50	\$ 250.00	\$ 2.75	\$ 275.00
99	625	2.000	EA	Arc Flash Calculations and Label	\$ 1,285.00	\$ 2,570.00	\$ 1,500.00	\$ 3,000.00	\$ 1,285.00	\$ 2,570.00	\$ 1,413.50	\$ 2,827.00
100	632	7.000	EA	Vehicular Signal Head, (LED), 3-Section, 12" Lens, 1-Way, Polycarbonat	\$ 1,035.00	\$ 7,245.00	\$ 850.00	\$ 5,950.00	\$ 1,035.00	\$ 7,245.00	\$ 1,138.50	\$ 7,969.50
101	632	1.000	EA	Vehicular Signal Head, (LED), 5-Section, 12" Lens, 1-Way, Polycarbonat	\$ 1,768.00	\$ 1,768.00	\$ 1,442.04	\$ 1,442.04	\$ 1,768.00	\$ 1,768.00	\$ 1,944.80	\$ 1,944.80
102	632	8.000	EA	Covering of Vehicular Signal Head	\$ 88.70	\$ 709.60	\$ 125.00	\$ 1,000.00	\$ 89.00	\$ 712.00	\$ 97.57	\$ 780.56
103	632	840.000	FT	Signal Cable, 7 Conductor, No. 14 AWG	\$ 5.20	\$ 4,368.00	\$ 5.00	\$ 4,200.00	\$ 5.20	\$ 4,368.00	\$ 5.72	\$ 4,804.80
104	632	3.000	EA	Signal Support Foundation	\$ 9,488.00	\$ 28,464.00	\$ 7,500.00	\$ 22,500.00	\$ 9,488.00	\$ 28,464.00	\$ 10,436.80	\$ 31,310.40
105	632	165.000	FT	Power Cable, 2 Conductor, No 6 AWG	\$ 11.80	\$ 1,947.00	\$ 0.14	\$ 23.10	\$ 12.00	\$ 1,980.00	\$ 12.98	\$ 2,141.70
106	632	1.000	EA	Power Service, As Per Plan	\$ 2,762.00	\$ 2,762.00	\$ 3,500.00	\$ 3,500.00	\$ 2,762.00	\$ 2,762.00	\$ 3,038.20	\$ 3,038.20
107	632	2.000	EA	Conduit Riser, 2" Diameter	\$ 488.00	\$ 976.00	\$ 500.00	\$ 1,000.00	\$ 488.00	\$ 976.00	\$ 536.80	\$ 1,073.60
108	632	1.000	EA	Signal Support, Type TC-12.31, Design 12 Pole, With Mast Arms TC-81.	\$ 39,428.00	\$ 39,428.00	\$ 11,550.00	\$ 11,550.00	\$ 39,428.00	\$ 39,428.00	\$ 43,370.80	\$ 43,370.80
109	632	1.000	EA	Signal Support, Type TC-81.22, Design 12 Pole	\$ 15,879.00	\$ 15,879.00	\$ 11,214.90	\$ 11,214.90	\$ 15,879.00	\$ 15,879.00	\$ 17,466.90	\$ 17,466.90
110	632	1.000	EA	Signal Support, Type TC-81.22, Design 13 Pole	\$ 18,959.00	\$ 18,959.00	\$ 10,420.00	\$ 10,420.00	\$ 18,959.00	\$ 18,959.00	\$ 20,854.90	\$ 20,854.90
111	633	1.000	EA	Cabinet, Type TS2	\$ 16,091.00	\$ 16,091.00	\$ 20,000.00	\$ 20,000.00	\$ 16,091.00	\$ 16,091.00	\$ 17,700.10	\$ 17,700.10
112	633	1.000	EA	Cabinet Foundation	\$ 1,664.00	\$ 1,664.00	\$ 4,750.00	\$ 4,750.00	\$ 1,664.00	\$ 1,664.00	\$ 1,830.40	\$ 1,830.40
113	633	1.000	EA	Controller Work Pad	\$ 408.00	\$ 408.00	\$ 1,250.00	\$ 1,250.00	\$ 408.00	\$ 408.00	\$ 448.80	\$ 448.80
114	633	1.000	EA	Uninterruptible Power Supply (UPS), 1000 Watt, As Per Plan	\$ 7,637.00	\$ 7,637.00	\$ 4,850.00	\$ 4,850.00	\$ 7,637.00	\$ 7,637.00	\$ 8,400.70	\$ 8,400.70
115	633	1.000	EA	Controller Item, Misc.: Controller Unit, Installation	\$ 1,000.00	\$ 1,000.00	\$ 12,556.00	\$ 12,556.00	\$ 1,000.00	\$ 1,000.00	\$ 1,100.00	\$ 1,100.00
116	633	1.000	EA	Communications, As Per Plan	\$ 2,069.00	\$ 2,069.00	\$ 12,889.00	\$ 12,889.00	\$ 2,069.00	\$ 2,069.00	\$ 2,275.90	\$ 2,275.90
117	809	4.000	EA	Advance Radar Detection	\$ 5,099.00	\$ 20,396.00	\$ 8,500.00	\$ 34,000.00	\$ 5,099.00	\$ 20,396.00	\$ 5,608.90	\$ 22,435.60
118	809	3.000	EA	Stop Line Radar Detection	\$ 4,891.00	\$ 14,673.00	\$ 7,950.00	\$ 23,850.00	\$ 4,894.00	\$ 14,682.00	\$ 5,380.10	\$ 16,140.30
119	809	1.000	EA	ATC Controller	\$ 4,625.70	\$ 4,625.70	\$ 20,225.00	\$ 20,225.00	\$ 4,625.70	\$ 4,625.70	\$ 5,088.27	\$ 5,088.27
120	614	1.000	LUMP	Maintaining Traffic	\$ 3,650.00	\$ 3,650.00	\$ 15,000.00	\$ 15,000.00	\$ 3,000.00	\$ 3,000.00	\$ 11,000.00	\$ 11,000.00
121	619	1.000	LUMP	Premium for Contract Performance, Payment and Maintenance Bond	\$ 2,500.00	\$ 2,500.00	\$ 7,800.00	\$ 7,800.00	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00
122	623	1.000	LUMP	Construction Layout Stakes and Surveying	\$ 3,500.00	\$ 3,500.00	\$ 2,200.00	\$ 2,200.00	\$ 1,890.00	\$ 1,890.00	\$ 2,079.00	\$ 2,079.00
123	624	1.000	LUMP	Mobilization	\$ 2,400.00	\$ 2,400.00	\$ 4,500.00	\$ 4,500.00	\$ 2,000.00	\$ 2,000.00	\$ 9,350.00	\$ 9,350.00
					\$ 230,817.00		\$ 289,886.04		\$ 226,701.40		\$ 268,072.70	
<b>Total</b>					<b>\$ 1,377,334.92</b>	<b>Total</b>	<b>\$ 1,419,282.38</b>	<b>Total</b>	<b>\$ 1,478,938.50</b>	<b>Total</b>	<b>\$ 1,522,096.09</b>	

% Difference from Engineer's Estimate                      83.40%    85.94%    89.55%    92.17%