

FED AID NO CMAQ-1229(016)

ITS CCTV INSTALLATION

I-85 FROM I-485 TO GROVES STREE & ALONG GROVES STREET FROM I-85 TO THE US 29/74 INTERSECTION

Engineer's Estimate \$841,813.94

TRAFFIC CONTROL DEVICES, INC.	ALS OF NORTH CAROLINA, INC.	BROOKS BERRY HAYNIE & ASSOCIATES, INC.
ALTAMONTE SPRINGS, FL	SALISBURY, NC	MABLETON, GA

ROADWAY ITEMS

0001	0000100000-N	800	MOBILIZATION	Lump Sum		44610.00		23556.54		52418.00	
0002	3030000000-E	862	STL BM GUARDRAIL	125	LF	21.20	2650.00	21.06	2632.50	23.51	2938.75
0003	3150000000-N	862	ADDIT GUARDRAIL POSTS	4	EA	33.50	134.00	36.99	147.96	37.13	148.52
0004	3210000000-N	862	GR ANCHOR TYPE CAT-1	1	EA	730.00	730.00	728.45	728.45	805.00	805.00
0005	3270000000-N	SP	GR ANCHOR TYPE 350	1	EA	2690.00	2690.00	2641.90	2641.90	2970.00	2970.00
0006	3317000000-N	862	GR ANCHOR TYPE B-77	1	EA	1120.00	1120.00	2641.90	2641.90	2166.00	2166.00
0007	3360000000-E	863	REMOVE EXISTING GUARDRAIL	50	LF	3.40	170.00	19.91	995.50	3.71	185.50
0008	4457000000-N	SP	TEMP TRAFFIC CONTROL (SP)	Lump Sum			12885.00		32691.66		49622.00
0009	7252000000-E	1710	MESSENGER CABLE (1/4")	1,970	LF	2.25	4432.50	2.32	4570.40	2.17	4274.90
0010	7279000000-E	1715	TRACER WIRE	20,740	LF	0.55	11407.00	0.57	11821.80	0.49	10162.60
0011	7300000000-E	1715	UNPAVED TRENCH (*****) (1) (2")	830	LF	4.95	4108.50	5.05	4191.50	7.04	5843.20
0012	7300000000-E	1715	UNPAVED TRENCH (*****) (2) (2")	14,220	LF	5.85	83187.00	5.53	78636.60	7.43	105654.60
0013	7301000000-E	1715	DIRECT DRILL (*****) (1) (2")	460	LF	11.50	5290.00	13.25	6095.00	15.47	7116.20
0014	7301000000-E	1715	DIRECT DRILL (*****) (2) (2")	6,070	LF	14.00	84980.00	15.37	93295.90	16.40	99548.00
0015	7312000000-N	1716	JUNCTION BOX (*****) (BRIDGE-MOUNTED)	5	EA	5155.00	25775.00	2275.45	11377.25	1173.00	5865.00
0016	7312000000-N	1716	JUNCTION BOX (*****) (SPECIAL OVERSIZED HEAVY-DUTY)	8	EA	715.00	5720.00	910.52	7284.16	1479.00	11832.00
0017	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	16	EA	270.00	4320.00	218.31	3492.96	266.00	4256.00
0018	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HVY-DUTY)	27	EA	440.00	11880.00	469.22	12668.94	922.00	24894.00
0019	7360000000-N	1720	WOOD POLE	4	EA	1110.00	4440.00	968.65	3874.60	1732.00	6928.00
0020	7372000000-N	1721	GUY ASSEMBLY	2	EA	440.00	880.00	531.28	1062.56	272.00	544.00
0021	7384000000-E	1722	**** RISER WITH ***** (1 1/4") (WITH WEATHERHEAD)	4	EA	335.00	1340.00	373.43	1493.72	369.00	1476.00
0022	7432000000-E	1722	2" RISER WITH TUBING	1	EA	590.00	590.00	498.83	498.83	456.00	456.00
0023	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (12-FIBER)	3,260	LF	2.00	6520.00	2.03	6617.80	2.04	6650.40
0024	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (144-FIBER)	24,700	LF	3.30	81510.00	3.23	79781.00	2.78	68666.00
0025	7540000000-N	1731	SPLICE ENCLOSURE	8	EA	1370.00	10960.00	1357.15	10857.20	1299.00	10392.00
0026	7541000000-N	1731	MOD SPLICE ENCLOSURE	1	EA	1260.00	1260.00	1247.81	1247.81	1052.00	1052.00
0027	7566000000-N	1733	DELINEATOR MARKER	33	EA	95.00	3135.00	110.68	3652.44	56.00	1848.00
0028	7575160000-E	1734	REM EXT COMM CABLE	1,220	LF	0.50	610.00	0.63	768.60	0.93	1134.60
0029	7613000000-N	SP	SOIL TEST	10	EA	600.00	6000.00	587.98	5879.80	1361.00	13610.00
0030	7614100000-E	SP	DRILLED PIER FOUND	10	CY	1500.00	15000.00	891.02	8910.20	829.00	8290.00
0031	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) 5/8" X 10' GROUNDING ELECTRODE	49	EA	85.00	4165.00	91.64	4490.36	113.00	5537.00
0032	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CCTV CAMERA ASSEMBLY	6	EA	3625.00	21750.00	4724.28	28345.68	4482.00	26892.00
0033	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CCTV CAMERA LOWERING SYSTEM	6	EA	5470.00	32820.00	5187.17	31123.02	4140.00	24840.00

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I-85 FROM I-485 TO GROVES STREE & ALONG GROVES STREET FROM I-85 TO THE US 29/74 INTERSECTION

			TRAFFIC CONTROL DEVICES, INC.	ALS OF NORTH CAROLINA, INC.		BROOKS BERRY HAYNIE & ASSOCIATES, INC.				
			ALTAMONTE SPRINGS, FL	SALISBURY, NC		MABLETON, GA				
0034	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL MEDIA CONVERTER	1 EA	1005.00	1005.00	1009.85	1009.85	1114.00	1114.00
0035	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO DECODER UNIT (GTOC)	8 EA	1610.00	12880.00	1592.23	12737.84	1782.00	14256.00
0036	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO DECODER UNIT (MRTMC)	14 EA	1610.00	22540.00	1592.23	22291.22	1782.00	24948.00
0037	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO ENCODER UNIT (GTOC)	8 EA	1610.00	12880.00	1592.23	12737.84	1782.00	14256.00
0038	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) EQUIPMENT CABINET DISCONNECT	6 EA	865.00	5190.00	850.79	5104.74	823.00	4938.00
0039	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET BRIDGE	2 EA	6185.00	12370.00	6076.42	12152.84	6831.00	13662.00
0040	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET FIELD SWITCH	8 EA	1905.00	15240.00	1894.26	15154.08	2104.00	16832.00
0041	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET HUB SWITCH	1 EA	28220.00	28220.00	27589.16	27589.16	31188.00	31188.00
0042	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIELD EQUIPMENT CABINET (WITH INVERTER)	4 EA	3875.00	15500.00	4485.94	17943.76	5434.00	21736.00
0043	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIELD EQUIPMENT CABINET (WITH UPS)	6 EA	3875.00	23250.00	6159.78	36958.68	5434.00	32604.00
0044	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIREWALL	2 EA	12500.00	25000.00	12273.31	24546.62	13811.00	27622.00
0045	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FURNISH CCTV CAMERA ASSEMBLY	1 EA	3095.00	3095.00	4421.23	4421.23	3462.00	3462.00
0046	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FURNISH ETHERNET FIELD SWITCH	1 EA	1680.00	1680.00	1657.84	1657.84	1903.00	1903.00
0047	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) GIGABIT TRANSCEIVER MODULE-ZX	5 EA	3090.00	15450.00	3035.52	15177.60	3416.00	17080.00
0048	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTEGRATED WIRELESS ETHERNET ASSEMBLY (DUAL)	6 EA	5345.00	32070.00	4851.81	29110.86	5681.00	34086.00
0049	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTEGRATED WIRELESS ETHERNET ASSEMBLY (SINGLE)	2 EA	4000.00	8000.00	3578.10	7156.20	4196.00	8392.00
0050	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTERCONNECT CENTER (12-FIBER)	7 EA	1510.00	10570.00	1511.57	10580.99	805.00	5635.00
0051	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTERCONNECT CENTER (144-FIBER)	1 EA	13285.00	13285.00	13044.16	13044.16	4765.00	4765.00
0052	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MASTER DISTRIBUTION AMPLIFIER	1 EA	1735.00	1735.00	1765.74	1765.74	1918.00	1918.00
0053	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 50 FEET)	3 EA	4665.00	13995.00	4125.71	12377.13	9881.00	29643.00
0054	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 60 FEET)	2 EA	6650.00	13300.00	6037.77	12075.54	15958.00	31916.00
0055	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 75 FEET)	1 EA	7735.00	7735.00	7583.39	7583.39	17366.00	17366.00
0056	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (WIRELESS, 50 FEET)	4 EA	4665.00	18660.00	4127.81	16511.24	9943.00	39772.00
0057	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METER BASE / DISCONNECT COMBINATION PANE L (WOOD POLE MOUNT)	4 EA	725.00	2900.00	1124.38	4497.52	895.00	3580.00
0058	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MODIFY EXISTING ELECTRICAL SERVICE EQUIPMENT	2 EA	135.00	270.00	734.49	1468.98	395.00	790.00

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				TRAFFIC CONTROL DEVICES, INC.	ALS OF NORTH CAROLINA, INC.		BROOKS BERRY HAYNIE & ASSOCIATES, INC.			
				ALTAMONTE SPRINGS, FL	SALISBURY, NC		MABLETON, GA			
0059	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MODIFY INTERCONNECT CENTER	2 EA	500.00	1000.00	504.30	1008.60	557.00	1114.00
0060	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) PORTABLE CCTV CAMERA LOWERING TOOL	1 EA	3710.00	3710.00	3688.98	3688.98	3660.00	3660.00
0061	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) RACK-MOUNTED VIDEO CHASSIS	4 EA	2420.00	9680.00	2379.48	9517.92	2673.00	10692.00
0062	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) SOLAR POWER ASSEMBLY	4 EA	10995.00	43980.00	11375.01	45500.04	12306.00	49224.00
0063	7985000000-N	SP	GENERIC SIGNAL ITEM (LS) INTEGRATION AND CONFIGURATION	Lump Sum		7000.00		9456.91		7735.00
0064	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) #4 SOLID BARE GROUNDING CONDUCTOR	980 LF	5.55	5439.00	1.57	1538.60	1.27	1244.60
0065	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) 3-WIRE COPPER FEEDER CONDUCTORS	1,280 LF	2.30	2944.00	7.68	9830.40	2.03	2598.40
0066	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) 3-WIRE COPPER SERVICE ENTRANCE CONDUCTOR S	100 LF	4.50	450.00	6.94	694.00	4.10	410.00
CONTRACT TOTAL					TOTAL	888092.00	TOTAL	894965.04	TOTAL	1049158.27
ROADWAY ITEMS					SUB-TOTAL	888092.00	SUB-TOTAL	894965.04	SUB-TOTAL	1049158.27

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UTILITY SERVICE CONTRACTORS,
INC.
COLUMBIA, SC

ROADWAY ITEMS

0001	0000100000-N	800	MOBILIZATION	Lump Sum		250000.00
0002	3030000000-E	862	STL BM GUARDRAIL	125	LF	3571.25
0003	3150000000-N	862	ADDIT GUARDRAIL POSTS	4	EA	277.12
0004	3210000000-N	862	GR ANCHOR TYPE CAT-1	1	EA	1000.00
0005	3270000000-N	SP	GR ANCHOR TYPE 350	1	EA	3714.00
0006	3317000000-N	862	GR ANCHOR TYPE B-77	1	EA	2857.00
0007	3360000000-E	863	REMOVE EXISTING GUARDRAIL	50	LF	357.00
0008	4457000000-N	SP	TEMP TRAFFIC CONTROL (SP)	Lump Sum		45000.00
0009	7252000000-E	1710	MESSENGER CABLE (1/4")	1,970	LF	2679.20
0010	7279000000-E	1715	TRACER WIRE	20,740	LF	6844.20
0011	7300000000-E	1715	UNPAVED TRENCH (***** (1) (2"))	830	LF	4141.70
0012	7300000000-E	1715	UNPAVED TRENCH (***** (2) (2"))	14,220	LF	98686.80
0013	7301000000-E	1715	DIRECT DRILL (***** (1) (2"))	460	LF	5170.40
0014	7301000000-E	1715	DIRECT DRILL (***** (2) (2"))	6,070	LF	80670.30
0015	7312000000-N	1716	JUNCTION BOX (***** (BRIDGE-MOUNTED)	5	EA	4035.00
0016	7312000000-N	1716	JUNCTION BOX (***** (SPECIAL OVERSIZED HEAVY-DUTY)	8	EA	5300.00
0017	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	16	EA	3650.56
0018	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HVY-DUTY)	27	EA	10863.72
0019	7360000000-N	1720	WOOD POLE	4	EA	2948.00
0020	7372000000-N	1721	GUY ASSEMBLY	2	EA	546.22
0021	7384000000-E	1722	**** RISER WITH ***** (1 1/4") (WITH WEATHERHEAD)	4	EA	914.48
0022	7432000000-E	1722	2" RISER WITH TUBING	1	EA	413.00
0023	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (12-FIBER)	3,260	LF	3260.00
0024	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (144-FIBER)	24,700	LF	48659.00
0025	7540000000-N	1731	SPLICE ENCLOSURE	8	EA	8578.08
0026	7541000000-N	1731	MOD SPLICE ENCLOSURE	1	EA	650.00
0027	7566000000-N	1733	DELINEATOR MARKER	33	EA	1914.00
0028	7575160000-E	1734	REM EXT COMM CABLE	1,220	LF	1098.00
0029	7613000000-N	SP	SOIL TEST	10	EA	7250.00
0030	7614100000-E	SP	DRILLED PIER FOUND	10	CY	8800.00
0031	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) 5/8" X 10' GROUNDING ELECTRODE	49	EA	9653.00
0032	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CCTV CAMERA ASSEMBLY	6	EA	27780.00
0033	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CCTV CAMERA LOWERING SYSTEM	6	EA	38174.40

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UTILITY SERVICE CONTRACTORS,
INC.
COLUMBIA, SC

0034	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL MEDIA CONVERTER	1	EA	1286.00	1286.00
0035	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO DECODER UNIT (GTOC)	8	EA	2055.00	16440.00
0036	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO DECODER UNIT (MRTMC)	14	EA	2055.00	28770.00
0037	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) CENTRAL VIDEO ENCODER UNIT (GTOC)	8	EA	2055.00	16440.00
0038	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) EQUIPMENT CABINET DISCONNECT	6	EA	1040.00	6240.00
0039	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET BRIDGE	2	EA	7895.00	15790.00
0040	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET FIELD SWITCH	8	EA	2430.00	19440.00
0041	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) ETHERNET HUB SWITCH	1	EA	36000.00	36000.00
0042	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIELD EQUIPMENT CABINET (WITH INVERTER)	4	EA	4115.00	16460.00
0043	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIELD EQUIPMENT CABINET (WITH UPS)	6	EA	4115.00	24690.00
0044	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FIREWALL	2	EA	15943.00	31886.00
0045	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FURNISH CCTV CAMERA ASSEMBLY	1	EA	3942.85	3942.85
0046	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) FURNISH ETHERNET FIELD SWITCH	1	EA	1542.85	1542.85
0047	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) GIGABIT TRANSCEIVER MODULE-ZX	5	EA	3942.85	19714.25
0048	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTEGRATED WIRELESS ETHERNET ASSEMBLY (DUAL)	6	EA	6340.00	38040.00
0049	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTEGRATED WIRELESS ETHERNET ASSEMBLY (SINGLE)	2	EA	4630.00	9260.00
0050	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTERCONNECT CENTER (12-FIBER)	7	EA	1028.26	7197.82
0051	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) INTERCONNECT CENTER (144-FIBER)	1	EA	5543.64	5543.64
0052	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MASTER DISTRIBUTION AMPLIFIER	1	EA	2820.00	2820.00
0053	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 50 FEET)	3	EA	13541.20	40623.60
0054	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 60 FEET)	2	EA	16253.60	32507.20
0055	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (CCTV, 75 FEET)	1	EA	17967.60	17967.60
0056	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METAL POLE (WIRELESS, 50 FEET)	4	EA	13541.20	54164.80
0057	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) METER BASE / DISCONNECT COMBINATION PANEL (WOOD POLE MOUNT)	4	EA	1480.00	5920.00
0058	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MODIFY EXISTING ELECTRICAL SERVICE EQUIPMENT	2	EA	750.00	1500.00

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UTILITY SERVICE CONTRACTORS,
INC.
COLUMBIA, SC

0059	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) MODIFY INTERCONNECT CENTER	2	EA	5543.64	11087.28
0060	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) PORTABLE CCTV CAMERA LOWERING TOOL	1	EA	3267.00	3267.00
0061	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) RACK-MOUNTED VIDEO CHASSIS	4	EA	3085.00	12340.00
0062	7980000000-N	SP	GENERIC SIGNAL ITEM (EA) SOLAR POWER ASSEMBLY	4	EA	12500.00	50000.00
0063	7985000000-N	SP	GENERIC SIGNAL ITEM (LS) INTEGRATION AND CONFIGURATION	Lump Sum			8928.00
0064	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) #4 SOLID BARE GROUNDING CONDUCTOR	980	LF	8.01	7849.80
0065	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) 3-WIRE COPPER FEEDER CONDUCTORS	1,280	LF	9.20	11776.00
0066	7990000000-E	SP	GENERIC SIGNAL ITEM (LF) 3-WIRE COPPER SERVICE ENTRANCE CONDUCTOR S	100	LF	5.20	520.00

CONTRACT TOTAL TOTAL 1249411.12

ROADWAY ITEMS SUB-TOTAL 1249411.12

BIDDERS IN ORDER

CONTRACT TOTAL

TRAFFIC CONTROL DEVICES, INC.	1	888092.00
ALS OF NORTH CAROLINA, INC.	2	894965.04
BROOKS BERRY HAYNIE & ASSOCIATES, INC.	3	1049158.27
UTILITY SERVICE CONTRACTORS, INC.	4	1249411.12