

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #0012678

OFFICE Design Policy & Support

Rockdale County

GDOT District 7 - Metro Atlanta

DATE 10/2/2015

Signal Equipment Upgrades @ 10 Locations

in Conyers

FROM *for*  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering

Joe Carpenter, Director of P3/Program Delivery

Genetha Rice-Singleton, Assistant Director of P3/Program Delivery

Albert Shelby, State Program Delivery Engineer

Darryl VanMeter, State Innovative Delivery Engineer

Bobby Hilliard, Program Control Administrator

Cindy VanDyke, State Transportation Planning Administrator

Hiral Patel, State Environmental Administrator

Andrew Heath, State Traffic Engineer

Angela Robinson, Financial Management Administrator

Lisa Myers, State Project Review Engineer

Richard Cobb, Location Bureau Chief

Kathy Zahul, District Engineer

Scott Lee, District Preconstruction Engineer

Kevin Cowan, District Planning & Programming Engineer

Ira Witherspoon, Area Engineer - D7, A1

Xavier James, Project Manager

BOARD MEMBER - 4th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE PI 0012678
Rockdale County
SIGNAL EQUIPMENT UPGRADE
@ 10 LOCS IN CONYERS

OFFICE Program Delivery
DATE 8/6/2015

FROM *E.L.B./KWB* *Albert Shelby*
Albert V. Shelby, III, State Program Delivery Engineer

TO Brent Story, P.E., State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT Request for Location and Design Approval

Description and Project Proposal: The following intersections located in Rockdale County have been identified by The Office of Traffic Operations as high priority for minor intersection improvements. The proposed project is to be included in the Region Wide Signal Upgrade Lump Sum Program.

- Klondike Road @ Johnson Road
- Klondike Road @ Iris Drive
- Klondike Road @ I-20/SR 402 eastbound off/on Ramp
- West Avenue @ I-20/SR 402 westbound off/on Ramp
- West Avenue @ Dogwood Drive/Hardin Street
- West Avenue @ Green Street
- Green Street @ Center Street/Travis Street
- Main Street @ Milstead Avenue
- Oakland Avenue/Parker Road @ Oakland Lane
- Parker Road @ Commercial Drive

The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards. The Office of Traffic Operations has justified these upgrades based on the following deficiencies: pedestrian accommodations, ADA compliance, old conductor cable, 332 cabinet w/2070, support poles/mast arms, utility issues, and signal interconnect.

The standard project limits will be 200 feet from the center point of the intersection. Should setback loops need replacement, the project limits will be 500 feet from the center point of the intersection. If setback loops are present, the survey should include the edge of pavement and property lines to the setback loop. Standard erosion control details should be used. Traffic studies are not needed for this project. The scope of this project will be limited to equipment upgrades, pedestrian accommodations, and updating pedestrian facilities to meet ADA standards. Funding is provided by ARC. All communications and meetings involving this project should include the Office of Traffic Operations.

The project is within the City of Conyers in Rockdale County.

Concept Approval Date: October 29, 2014

Concept Update: There are no updates to the project concept.

Environmental Document:

Document Type: Categorical Exclusion

Approval Date: September 23, 2015 ^(EKF)

Temporary State Route Needed: No Yes Undetermined

Public Involvement: N/A

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

Concur: She Ann
GDOT Director of Engineering

Approve: Margaret B. Pivello 9.25.15
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: October 2, 2015

Attachments:

- Sketch Map
- Construction Cost Estimate
- Notice of Location and Design Approval

PROJECT LOCATIONS



N.T.S.

0012678_PFR.txt
STATE HIGHWAY AGENCY

DATE : 04/29/2015
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0012678 SPEC YEAR: 13
DESCRIPTION: SIGNAL EQUIPMENT UPGRADE @ 10 LOCS IN CONYERS

ITEMS FOR JOB 0012678

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0001	150-1000		LS	TRAFFIC CONTROL - PI NO. 0012678	1.000	50000.00	50000.00
0002	163-0232		AC	TEMPORARY GRASSING	0.500	473.83	236.92
0003	163-0240		TN	MULCH	5.000	345.69	1728.50
0004	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	3350.000	3.22	10812.86
0005	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	1675.000	0.69	1166.57
0010	210-0100		LS	GRADING COMPLETE - PI NO. 0012678	1.000	25000.00	25000.00
0015	441-0104		SY	CONC SIDEWALK, 4 IN	266.000	51.00	13566.00
0020	441-0748		SY	CONC MEDIAN, 6 IN	107.000	64.84	6938.23
0025	441-6222		LF	CONC CURB & GUTTER/ 8X30TP2	457.000	19.29	8815.53
0030	636-1041		SF	HWY SIGNS,TP 2MAT,REFL SH TP 9	668.000	41.91	27997.29
0034	639-2001		LF	STEEL WIRE STRAND CABLE, 1/4	5580.000	3.16	17648.03
0035	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 30-FT MASTARM	1.000	14512.13	14512.13
0040	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 40-FT MASTARM	3.000	15354.89	46064.68
0045	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 45-FT MASTARM	1.000	15812.13	15812.13
0050	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 50-FT MASTARM	1.000	16512.13	16512.13
0055	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 60-FT MASTARM	2.000	17354.89	34709.78
0060	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 65-FT MASTARM	2.000	17854.89	35709.78
0065	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 20-FT AND 45-FT MASTARMS	1.000	19012.13	19012.13
0070	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 40-FT AND 40-FT MASTARMS	1.000	19512.13	19512.13
0075	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 40-FT AND 45-FT MASTARMS	1.000	20512.13	20512.13
0080	639-3004		EA	STEEL STRAIN POLE, TP IV WITH 40-FT AND	1.000	21512.13	21512.13

0085	639-3004	EA	50-FT MASTARMS STEEL STRAIN POLE, TP IV WITH 50-FT AND 65-FT MASTARMS	2.000	23012.13	46024.26
0090	639-3004	EA	STEEL STRAIN POLE, TP IV WITH 60-FT AND 65-FT MASTARMS	1.000	24012.13	24012.13
0095	639-4004	EA	STRAIN POLE, TP IV	11.000	6906.04	75966.48
0100	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 1	1.000	51700.00	51700.00
0105	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 2	1.000	62500.00	62500.00
0110	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 3	1.000	50000.00	50000.00
0115	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 4	1.000	49600.00	49600.00
0120	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 5	1.000	61100.00	61100.00
0125	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 6	1.000	53000.00	53000.00
0130	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 7	1.000	50800.00	50800.00

STATE HIGHWAY AGENCY

DATE : 04/29/2015

PAGE : 2

JOB ESTIMATE REPORT

0135	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 8	1.000	43200.00	43200.00
0140	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 9	1.000	58100.00	58100.00
0145	647-1000	LS	TRAF SIGNAL INSTALLATION NO - NO. 10	1.000	58200.00	58200.00
0150	647-2160	EA	PULL BOX, PB-6	11.000	1147.50	12622.50
0155	647-2170	EA	PULL BOX, PB-7	1.000	1538.40	1538.40
0160	653-0100	EA	THERM PVMT MARK, RR/HWY X SYM	2.000	431.73	863.46
0165	653-0110	EA	THERM PVMT MARK, ARROW, TP 1	2.000	97.91	195.84
0170	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	37.000	87.66	3243.43
0175	653-0130	EA	THERM PVMT MARK, ARROW, TP 3	1.000	126.21	126.21
0180	653-0210	EA	THERM PVMT MARK, WORD , TP 1	2.000	106.49	212.99
0185	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	1180.000	0.91	1077.02
0190	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	1320.000	0.83	1104.13
0195	653-1704	LF	THERM SOLID TRAF STRIPE, 24, WH	1560.000	5.40	8429.09
0200	653-1804	LF	THERM SOLID TRAF STRIPE, 8, WH	14455.000	2.21	32061.05
0205	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	1056.000	0.57	604.81
0210	653-6004	SY	THERM TRAF STRIPING, WHITE	250.000	4.93	1234.89
0215	653-6006	SY	THERM TRAF STRIPING, YELLOW	250.000	4.66	1166.02
0220	682-6222	LF	CONDUIT, NONMETL, TP 2, 2 IN	175.000	6.87	1203.43
0225	682-6233	LF	CONDUIT, NONMETL, TP 3, 2 IN	9000.000	3.66	32940.00
0230	682-9950	LF	DIRECTIONAL BORE - 3-IN	1605.000	11.44	18361.20
0235	682-9950	LF	DIRECTIONAL BORE - 5-IN	100.000	11.44	1144.00
0240	682-9950	LF	DIRECTIONAL BORE - 7-IN	1420.000	11.44	16244.80
0245	687-1000	LS	TRAFFIC SIGNAL TIMING - PI NO. 0012678	1.000	45000.00	45000.00
0250	700-6910	AC	PERMANENT GRASSING	1.000	808.62	808.63
0255	700-7000	TN	AGRICULTURAL LIME	5.000	97.46	487.34
0260	700-8000	TN	FERTILIZER MIXED GRADE	2.000	608.97	1217.96
0265	700-8100	LB	FERTILIZER NITROGEN CONTENT	50.000	3.72	186.31

0270	935-1113	LF	OUT PLNT FBR OPT CBL, LOOSE TB, SM, 24 FBR	7880.000	4.00	31520.00
0275	935-1511	LF	OUT PLNT FBR OPT CBL, DROP, SM, 6 FBR	1100.000	2.05	2263.73
0279	935-3103	EA	FIBER OPTIC CLOSURE, UNDRGRD, 24 FBR	1.000	674.00	674.00
0280	935-3203	EA	FBR OPTIC CLOSURE, AERL (SLD), 24 FBR	6.000	655.00	3930.00
0285	935-3602	EA	FBR. OP. CLOS., FDC PRE-TERM., TYP. A, 6	7.000	500.00	3500.00
0290	935-4010	EA	FIBER OPTIC SPLICE, FUSION	28.000	39.98	1119.57
0295	935-5060	EA	FIBER OPTIC SNOWSHOE	18.000	165.00	2970.00
0300	939-2305	EA	FIELD SWITCH, TYPE C	7.000	1874.08	13118.61
0305	935-8000	LS	TESTING	1.000	10000.00	10000.00
0309	937-3500	EA	ACCESS POINT CONTACT CLOSURE, TP A	1.000	3511.92	3511.92
0310	937-4050	EA	SERIAL PORT PROTOCOL UNIT	3.000	1768.37	5305.11
0314	937-4075	EA	ISOLATOR MODULE	3.000	394.95	1184.85
0315	937-4200	EA	WIRELESS MAGNETOMETER SENSOR, TP A	10.000	958.35	9583.50
0319	937-4300	EA	WIRELESS REPEATER	2.000	2178.45	4356.90
0320	937-6050	EA	INT VIDEO DET SYS ASMBLY, TP A	4.000	4521.41	18085.65
0325	937-6150	EA	PROGRAMMING MONITOR, TP A	4.000	480.04	1920.19
0330	937-8000	LS	TESTING	1.000	3000.00	3000.00
0335	937-8500	LS	TRAINING	1.000	3000.00	3000.00

 ITEM TOTAL 1393099.50
 INFLATED ITEM TOTAL 1393099.50

TOTALS FOR JOB 0012678

STATE HIGHWAY AGENCY

DATE : 04/29/2015
 PAGE : 3

JOB ESTIMATE REPORT

ESTIMATED COST:	1393099.49
CONTINGENCY PERCENT (0.0):	0.00
ESTIMATED TOTAL:	1393099.49

 NOTE: The item totals include all alternate items. The estimated totals include only the low cost alternate items.

NOTICE OF LOCATION AND DESIGN APPROVAL

P. I. 0012678 ROCKDALE COUNTY

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is: October 2, 2015

This project is located along Klondike Road, West Avenue, Green Street, Main Street and Oakland Avenue/Parker Road in the City of Conyers, Rockdale County, Land District 16, Land Lots 267, 272, 293, 294, 295, 296, 300, and 302, and Congressional District 4.

This project consists of the upgrade of traffic signals at 10 locations within the City of Conyers, Rockdale County. The upgrades will include updated controllers, signals, and pedestrian facilities. There will also be aerial fiber optic communication between 7 of the 10 locations.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Ira Witherspoon, Area 1 Engineer
District 7, Area Office
iwitherspoon@dot.ga.gov
5025 New Peachtree Road
Chamblee, GA 30341
(770)986-1360

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Albert V. Shelby, III
State Program Delivery Engineer
Office of Program Delivery
ashelby@dot.ga.gov
600 West Peachtree Street NW, 25th Floor
Atlanta, GA 30308
(404) 631-1758
Attn: Xavier James, Project Manager

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.