

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

**FILE** P.I. #0012671  
Fulton County  
GDOT District 7 - Metro Atlanta  
Signal Upgrades @ 8 Intersections –  
4 Upgrades along SR 6  
3 Upgrades along US 29/SR 14  
1 Upgrade along SR 14 ALT

**OFFICE** Design Policy & Support  
**DATE** July 6, 2016

**FROM**  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:**

Hiral Patel, 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  
Eric Duff, 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  
Scott Lee for District Planning & Programming Engineer  
Lankston Johnson, Area Engineer - D7, A3  
Lindsay Atnip, Project Manager  
BOARD MEMBERS - 5th Congressional District & 13th Congressional district



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE  
LOCATION AND DESIGN REPORT**

**FILE** PI #0012671  
Fulton County  
GDOT District 7 – Metro Atlanta  
Signal Equipment Upgrades at  
8 Intersections in Fulton Co.

**OFFICE** Program Delivery

**DATE** 6/15/2016

**FROM** Albert Shelby *Albert Shelby*

**TO** State Design Policy Engineer/Attn: State Conceptual Design Group Manager

**SUBJECT** Request for Location and Design Approval

**Description and Project Proposal:** The following intersections located in Fulton County and City of Union City 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 Program Lump Sum.

- US 29/ SR 14 at Gresham Street
- US 29/ SR 14 at Welcome All Road
- US 29/ SR 14 at Ben Hill Road
- US 29/ SR 14 ALT at Stonewall Tell Road
- SR 6 at SR 70
- SR 6 at Enon Road
- SR 6 at Merk Road
- SR 6 at Butner Road

The project will upgrade equipment, accommodate pedestrians, and update pedestrian facilities to meet current ADA standards. The Office of Traffic Operations has justified these upgrade 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 traffic signal equipment upgrades, updating signs and pavement markings as needed, and updating pedestrian facilities to meet the requirements of the ADA. The project also consists of underground fiber optic communication along SR 6 / Camp Creek Pkwy within unincorporated Douglas County and Fulton County, as well as the Cities of Atlanta and East Point, Fulton County, and along South Fulton Pkwy. in Fulton County. Funding is provided by the Atlanta Regional Commission. All communications and meetings involving this project should include the Office of Traffic Operations.

**Concept Approval Date:** 11/26/2014

**Concept Update:** At the conclusion of the preliminary plans it was noted that additional right-of-way and easements would be needed to upgrade the traffic signals within the project. The project will acquire portions of four (4) parcels for a total of 856.88 square feet.

**Environmental Document:**

Document Type: Programmatic Categorical Exclusion

Approval Date: 9/14/2015

**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:** Hiral Patel  
GDOT Director of Engineering

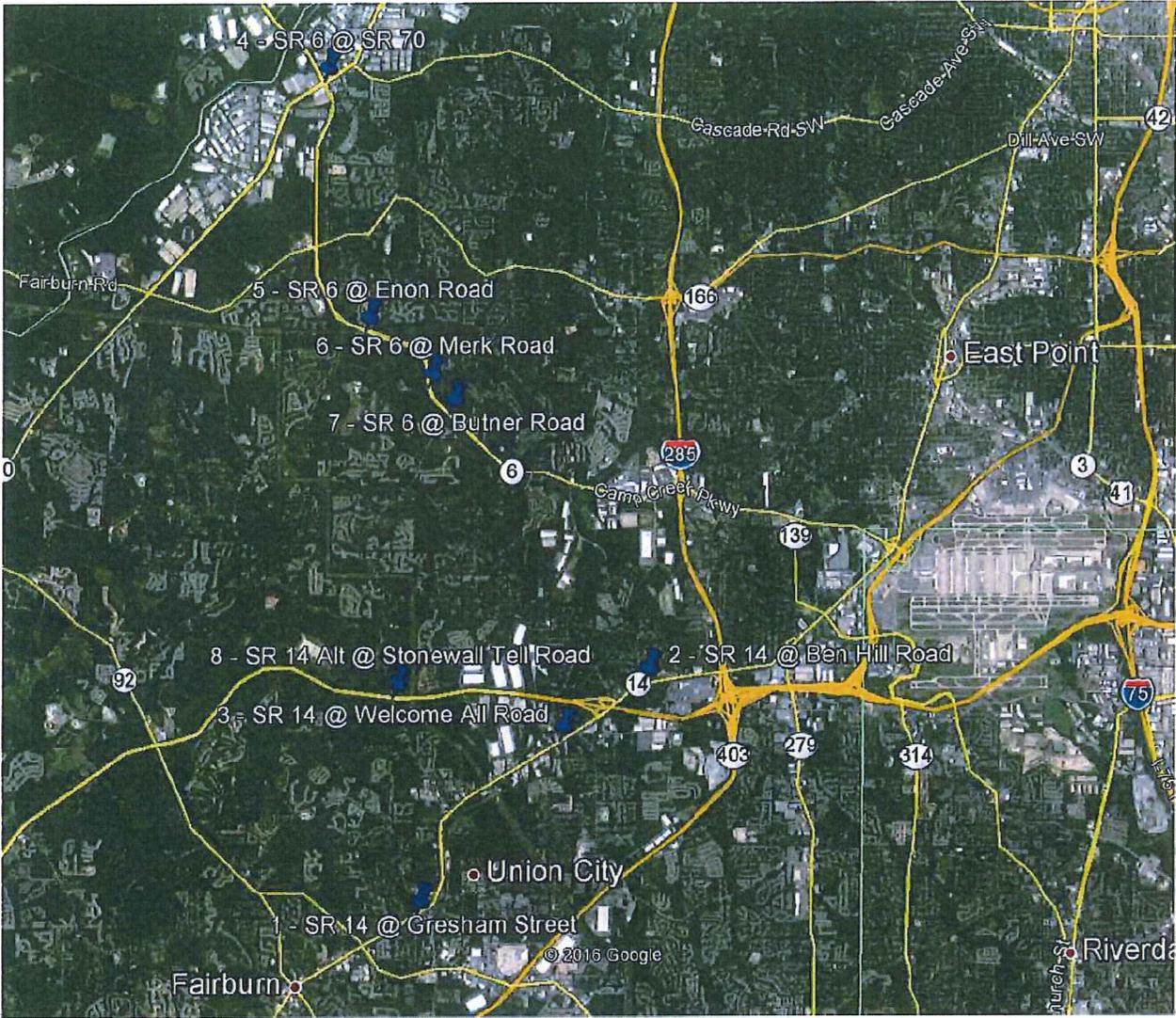
**Approve:** Margaret B. Pirkle 7/1/16  
GDOT Chief Engineer Date

**DATE OF LOCATION AND DESIGN APPROVAL:** July 6, 2016  
(To be entered by State Conceptual Design Group Manager)

**Attachments:**

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

Sketch map of project locations



STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

DATE : 12/07/2015  
PAGE : 1

JOB NUMBER : 0012671  
DESCRIPTION: SR 5 @ 4 LOC; SR 14 @ 2 LOC & SR 14ALT @ 3 LOC IN FULTON CO

ITEMS FOR JOB 0012671

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - PI NO 0012671	1.000	45000.00	45000.00
0006	163-0232		AC	TEMPERARY GRASSING	1.000	424.79	424.80
0007	163-0240		TN	MULCH	13.000	340.31	4424.89
0008	163-0541		ER	CONSTR E REM ROCK FILTER DAMS	1.000	829.78	829.78
0009	163-0550		ER	CONSTR E REM INLET SEDIMENT TRAP	1.000	146.21	146.22
0010	163-0630		LF	MARKI OF TEMP SILT FENCE, TP C	2370.000	0.69	1643.82
0011	163-0105		ER	MARKI OF INLET SEDIMENT TRAP	1.000	68.63	68.64
0012	163-0110		ER	MARKI OF ROCK FILTER DAM	1.000	110.59	110.60
0013	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	2368.000	2.44	5772.88
0014	210-0100		LS	GRADING COMPLETE - PI NO 0012671	1.000	72000.00	72000.00
0015	441-0104		SY	CONC SIDEWALK, 4 IN	243.000	40.32	9798.07
0016	441-0108		3X	CONC SIDEWALK, 8 IN	433.000	68.14	29506.23
0017	441-0303		ER	CONC SPILLWAY, TP 3	1.000	1717.29	1717.29
0018	441-0304		ER	CONC SPILLWAY, TP 4	1.000	1602.46	1602.47
0019	441-0748		SY	CONC MEDIAN, 6 IN	410.000	65.73	26951.82
0020	441-6222		LF	CONC CURB & GUTTER/ BK30TP2	945.000	35.86	33959.45
0024	500-9999		CY	CL B CONC BASE OR PAINT WIDEN	5.000	203.10	1015.51
0025	610-1055		LF	REM GUARDRAIL	100.000	11.41	1141.60
0030	610-6874		FA	REM WOOD POLE	7.000	857.52	6002.64
0035	611-5300		LF	RESET GUARDRAIL	100.000	17.38	1738.53
0040	611-8010		EA	ADJUST HEIGHT TO GRADE	1.000	1106.61	1106.61
0045	625-1077		SP	HWY SIGN, ALUM EXT PL, RETL SHF, TP 9	444.000	39.60	17583.52
0050	638-2070		LF	GRAV STEEL POSTS, TP 7	56.000	13.83	771.25
0055	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 63'	1.000	13314.80	13314.81
0060	639-3014		EA	MAST ARM AND 20' LUM. ARM	1.000	13314.80	13314.81
0065	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 60' AND 55' MAST ARMS AND 20' LUM. ARM	1.000	13314.80	13314.81
0069	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 55' AND 40' TANDEN MAST ARMS	1.000	13314.80	13314.81
0070	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 45'	1.000	13314.80	13314.81
0075	639-3014		EA	MAST ARM	1.000	13314.80	13314.81
0080	639-3014		EA	MAST ARM	1.000	13314.80	13314.81
0085	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 47' AND 25' TANDEN MAST ARMS	1.000	13314.80	13314.81
0089	639-3014		EA	STEEL STR. POLE, TP 4, LUMIN ARM W 37'	1.000	13314.80	13314.81
0090	643-8200		LF	STR. POLE, TP 4, INCL LUMIN. ARM W 20' LUM. ARM	17.000	7246.37	123188.35
0095	647-1000		LS	DARTER FENCE (ORANGE), 4 FT	3.000	839.17	2497.52
0100	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 1	50.000	1.41	705.00
0105	647-1000		LS	TRAF SIGNAL INSTALLATION NO - 2	1.000	50400.00	50400.00
			LS	TRAF SIGNAL INSTALLATION NO - 3	1.000	41400.00	41400.00
			LS	TRAF SIGNAL INSTALLATION NO - 3	1.000	44860.00	44860.00

# Location and Design Report

P.I. 0012671

STATE HIGHWAY AGENCY

DATE : 12/07/2015  
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JOB ESTIMATE REPORT

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
0110	TRAF SIGNAL INSTALLATION NO - 4	LS	1.000	5100.00	5100.00
0115	TRAF SIGNAL INSTALLATION NO - 5	LS	1.000	5700.00	5700.00
0120	TRAF SIGNAL INSTALLATION NO - 6	LS	1.000	4570.00	4570.00
0125	TRAF SIGNAL INSTALLATION NO - 7	LS	1.000	5300.00	5300.00
0130	TRAF SIGNAL INSTALLATION NO - 8	LS	1.000	6300.00	6300.00
0135	PULL BOX, PB-6	EA	70.000	1263.89	88431.48
0140	PULL BOX, PB-7	EA	11.000	1507.47	16582.15
0144	PAVEMENT MARKING, RR-HWY X SYM	EA	400.00	400.00	160000.00
0145	PAVEMENT MARKING, ARROW, TP 2	EA	30.000	88.71	2661.30
0150	PAVEMENT MARKING, ARROW, TP 1	EA	8.000	110.24	881.92
0153	THERMO SOLID TRAF ST 5 IN WHI	LF	1980.000	0.70	1386.00
0158	THERMO SOLID TRAF ST 5 IN YEL	LF	1180.000	0.77	908.60
0163	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" YEL	LF	939.000	6.20	5823.78
0170	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	300.000	5.83	1729.00
0175	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	780.000	2.17	1692.60
0180	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	630.000	0.56	351.60
0182	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	40.000	3.54	141.60
0183	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	458.000	4.84	2216.72
0184	THERMO SOLID TRAF ST 1/2" X 1/2" X 1/2" WH	LF	38.000	16.86	640.68
0185	CONDUIT, NONMETL, TP 3, 2 IN	LF	104190.000	2.96	308402.40
0189	DIRECTIONAL BORE - 5 IN	LF	4215.000	8.47	35726.57
0195	TRAFFIC SIGNAL TIMING - PI NO 0012671 "	LS	1.000	4000.00	4000.00
0200	PERMANENT GRASSING	AC	1.000	745.25	745.25
0205	AGRICULTURAL LIME	TN	116.17	116.17	13411.17
0210	FERTILIZER MIXED GRADE	TN	617.04	617.04	3816.00
0215	FERTILIZER NITROGEN CONTENT	LB	75.000	2.53	189.75
0220	SOD	SY	604.000	5.76	3484.32
0225	CUT PNT FBR OPT CBL, LOOSE TB, SM, 48 FBR	LF	34793.000	2.50	87000.50
0230	CUT PNT FBR OPT CBL, DEEP, SM, 6 FBR	LF	2059.000	2.05	4220.95
0235	FIBER OPTIC CLOSURE, UNDER, 6 FIBER	EA	6.000	674.00	4044.00
0240	FIBER OPTIC CLOSURE, UNDER, 48 FIBER	EA	6.000	875.00	5250.00
0245	FIBER OPTIC CLOSURE, FDC BRACK MTD, 6 FBR	EA	1.1.000	615.70	6772.70
0250	FIBER OPTIC SPlice, FUSION	EA	354.000	34.00	12036.00
0255	FIBER OPTIC PATCH CORD, SM	EA	44.000	74.00	3256.00
0260	TESTING	LC	1.000	3180.00	3180.00
0265	ACCESS POINT CONTACT CLOSURE, TP A	EA	1.000	3511.92	3511.92
0270	EXPANSION CONTACT CLOSURE CARD	EA	1.000	486.05	486.05
0275	SERIAL PORT PROTOCOL UNIT	EA	2.000	1758.37	3516.74
0280	ISOLATOR MODULE	EA	2.000	394.95	789.90
0285	WIRELESS REPEATER	EA	36.000	558.35	20100.60
0290	WIRELESS MAGNETOMETER SENSOR, TP A	EA	2.000	2170.45	4340.90
0295	MICROVAE RADAR DETECTION ASSEMBLY	EA	2.000	2500.00	5000.00
0300	INT VIDEO DET SNS ASSEMBLY, TP A	EA	22.000	5882.00	129404.00
0304	TESTING - MICROVAE DETECTION SYSTEM	LS	1.000	2865.00	2865.00
0305	TESTING - INTERSECTION VIDEO DETECTION	LS	1.000	2142.00	2142.00
0309	TESTING - RWYD SYSTEM	LS	1.000	3050.00	3050.00
0310	GRIC, TYPE A TYPE LX	EA	11.000	150.00	1650.00
0315	FIELD SWITCH, TYPE A	EA	11.000	18159.95	199759.45
0320	DETECTABLE WARNING SURFACE	SF	10.000	16.13	161.30

STATE HIGHWAY AGENCY

DATE : 12/07/2015  
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JOB ESTIMATE REPORT

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ITEM TOTAL 1747343.00  
INFLATED ITEM TOTAL 1747343.01

TOTALS FOR JOB 0012671

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ESTIMATED COST: 1747343.01  
CONTINGENCY PERCENT ( 5.0 ): 87367.15  
ESTIMATED TOTAL: 1834710.16  
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# NOTICE OF LOCATION AND DESIGN APPROVAL

## FULTON COUNTY

### P. I. NUMBER 0012671

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: July 6, 2016.

This project is located along Roosevelt Highway/State Route 14, State Route 14 Alt/South Fulton Parkway, Camp Creek Parkway/State Route 6, Gresham Street, Welcome All Road, State Route 70/ Fulton Industrial Boulevard, Enon Road, Merk Road, Butner Road, Ben Hill Road and Stonewall Tell Road in Fulton County. The project is located in

- Land Districts 9, 13, 14
- Congressional Districts 5, and 13

This project consists of the upgrade of traffic signals at 2 locations within the Union City, Fulton County, and 6 locations in unincorporated Fulton County. The upgrades will include updated controllers, signals, and pedestrian facilities. The project also consists of underground fiber optic communication along SR 6 / Camp Creek Pkwy and along South Fulton Pkwy, within unincorporated Fulton County, as well as the Cities of Atlanta and East Point, Fulton County.

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:

Lankston Johnson  
District 7 – Area 3 Engineer  
[ljohnson@dot.ga.gov](mailto:ljohnson@dot.ga.gov)  
4125 Roosevelt Highway  
College Park, GA 30349  
(404) 559-6699

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 Shelby  
Office of Program Delivery  
Attn: Lindsay Atnip  
[LAtnip@dot.ga.gov](mailto:LAtnip@dot.ga.gov)  
600 West Peachtree Street, 25th Floor  
Atlanta, GA 30308  
(678) 802-1101

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.

