

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0012676 **OFFICE** Design Policy & Support
Forsyth County
GDOT District 1 - Gainesville **DATE** 02/24/2016
Signal Upgrades - SR9, SR20, SR306, & SR369 @
9 Locations in Forsyth County



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:

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
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Scott Frederick, Area Engineer - D1, A1
Steven Heng, Project Manager
BOARD MEMBER - 7th & 9th Congressional Districts

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE: P.I. No. 0012676, Forsyth County
SR 9, SR 20, SR 306, SR 369 @ 9 Locations

OFFICE: Program Delivery

DATE: February 5, 2016

FROM: Albert V. Shelby III, State Program Delivery Engineer

AKS Albert Shelby

TO: Brent A. 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: This project consists of traffic signal upgrades at 9 locations in Forsyth County. The intersections will be upgraded to meet GDOT and Manual on Uniform Traffic Control Devices (MUTCD) standards. The intersection improvements will include replacing signal poles with new mast arms or strain poles, LED vehicular and pedestrian signal heads, new vehicle detection and signal control equipment. The intersections will be made ADA complaint with new wheelchair ramps and crosswalks.

Concept Approval Date: January 12, 2015
Revised June 6, 2015.

Concept Update: N/A

Environmental Document:

Document Type: Programmatic Categorical Exclusion

Approval Date:

02/05/2016
AKS

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.

P.I. No. 0012676

Request for Location & Design Approval

CONCUR: Hiral Patel
GDOT Director of Engineering

APPROVE: Margaret B. Pickle 2-22-16
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: February 24, 2016
(To be entered by State Conceptual Design Group Manager)

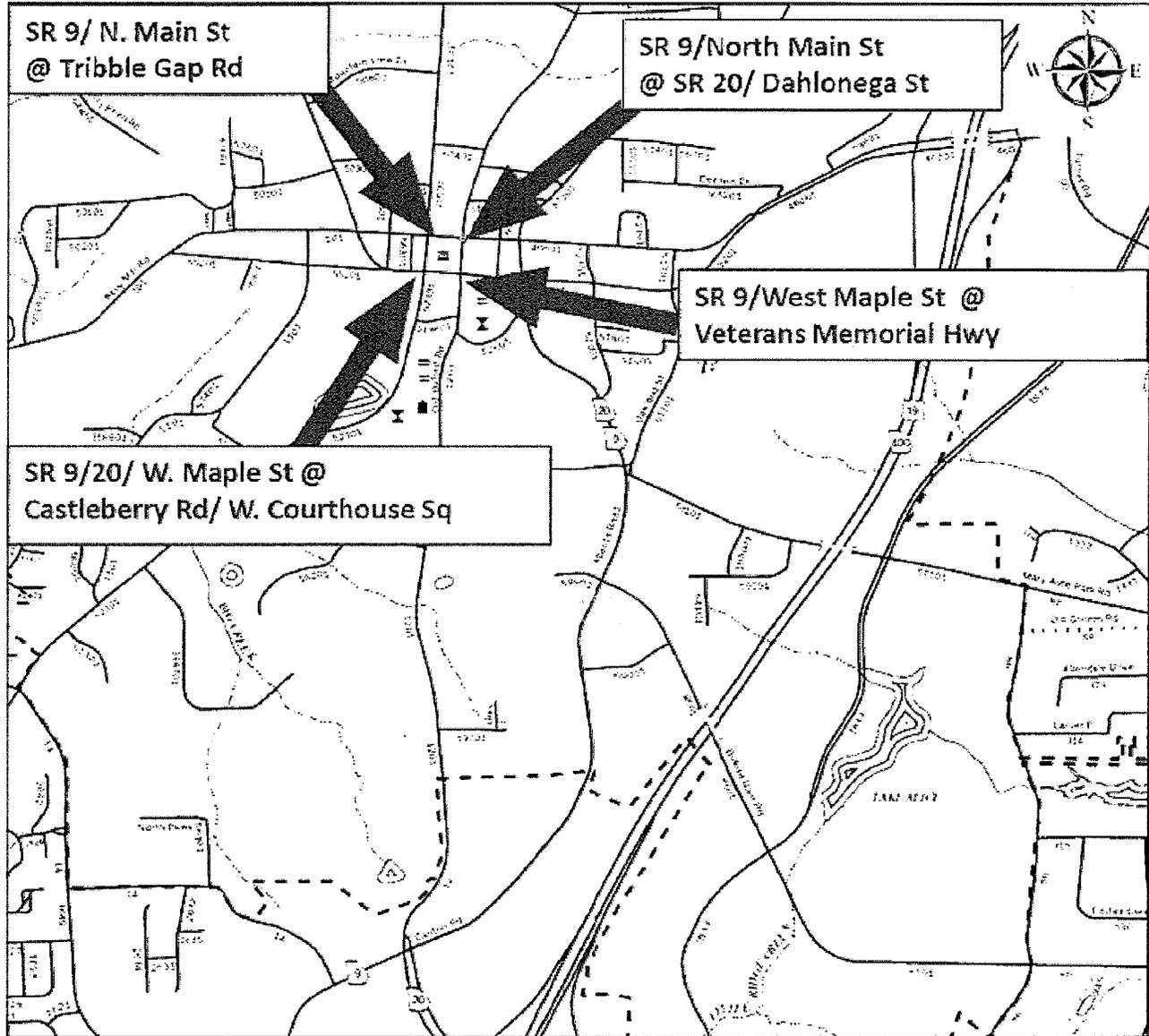
- Attachments:
 - Location Map
 - Notice of Location and Design Approval
 - Construction Cost Estimate

Project Location Map
PI No. 0012676

Project Location Map

PI No. 0012676

SR 9, SR 20 (Map Not to Scale)



DETAILED COST ESTIMATE



Job: 0012676

JOB NUMBER 0012676

FED/STATE PROJECT NUMBER

SPEC YEAR: 13

DESCRIPTION: SR 9; SR 20; SR 306 & SR 369 @ 9 LOCS IN FORSYTH COUNTY

ITEMS FOR JOB 0012676

DETAILED COST ESTIMATE



Job: 0012676

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$182,466.17000	TRAFFIC CONTROL - 0012676	\$182,466.17
0010	163-0232	1.000	AC	\$437.96247	TEMPORARY GRASSING	\$437.96
0015	163-0240	10.000	TN	\$275.41245	MULCH	\$2,754.12
0020	441-0108	1102.000	SY	\$47.13690	CONC SIDEWALK, 8 IN	\$51,944.86
0025	441-0748	183.000	SY	\$66.43495	CONC MEDIAN, 6 IN	\$12,157.60
0030	441-6222	1612.000	LF	\$36.20163	CONC CURB & G TTER/ 8X30TP2	\$58,357.03
0035	636-1041	660.000	SF	\$35.30088	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$23,298.58
0040	639-3004	1.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 35 FT MAST ARM	\$11,445.82
0045	639-3004	2.000	EA	\$11,354.89247	STEEL STRAIN POLE, TP IV W/ 40 FT MAST ARM	\$22,709.78
0050	639-3004	4.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 45 FT MAST ARM	\$45,783.28
0055	639-3004	4.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 50 FT MAST ARM	\$45,783.28
0060	639-3004	1.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 55 FT MAST ARM	\$11,445.82
0065	639-3004	1.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 60 FT MAST ARM	\$11,445.82
0070	639-3004	1.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 65 FT MAST ARM	\$11,445.82
0075	639-3004	2.000	EA	\$11,354.89247	STEEL STRAIN POLE, TP IV W/ 40 FT & 45 FT MAST ARMS	\$22,709.78
0080	639-3004	2.000	EA	\$11,354.89247	STEEL STRAIN POLE, TP IV W/ 40 FT & 60 FT MAST ARMS	\$22,709.78
0085	639-3004	1.000	EA	\$11,445.82031	STEEL STRAIN POLE, TP IV W/ 50 FT & 65 FT MAST ARMS	\$11,445.82
0090	639-3004	2.000	EA	\$11,354.89247	STEEL STRAIN POLE, TP IV W/ TWIN 50 FT MAST ARMS	\$22,709.78
0095	639-4004	4.000	EA	\$6,693.91068	STRAIN POLE, TP IV	\$26,775.64
0100	647-1000	1.000	LS	\$57,000.00000	TRAF SIGNAL INSTALLATION NO - 1	\$57,000.00
0105	647-1000	1.000	LS	\$57,500.00000	TRAF SIGNAL INSTALLATION NO - 2	\$57,500.00
0110	647-1000	1.000	LS	\$59,000.00000	TRAF SIGNAL INSTALLATION NO - 3	\$59,000.00
0115	647-1000	1.000	LS	\$58,600.00000	TRAF SIGNAL INSTALLATION NO - 4	\$58,600.00
0120	647-1000	1.000	LS	\$63,300.00000	TRAF SIGNAL INSTALLATION NO - 5	\$63,300.00
0125	647-1000	1.000	LS	\$57,700.00000	TRAF SIGNAL INSTALLATION NO - 6	\$57,700.00
0130	647-1000	1.000	LS	\$69,500.00000	TRAF SIGNAL INSTALLATION NO - 7	\$69,500.00
0135	647-1000	1.000	LS	\$62,900.00000	TRAF SIGNAL INSTALLATION NO - 8	\$62,900.00
0140	647-1000	1.000	LS	\$61,700.00000	TRAF SIGNAL INSTALLATION NO - 9	\$61,700.00
0145	653-1501	275.000	LF	\$1.21764	THERMO SOLID TRAF ST 5 IN, WHI	\$334.85
0150	653-1704	892.000	LF	\$6.53034	THERM SOLID TRAF STRIPE,24,WH	\$5,825.06
0155	653-1804	8790.000	LF	\$2.65076	THERM SOLID TRAF STRIPE, 8,WH	\$23,300.18
0160	653-3501	50.000	GLF	\$0.47655	THERMO SKIP TRAF ST, 5 IN, WHI	\$23.83
0165	653-6004	325.000	SY	\$4.44047	THERM TRAF STRIPING, WHITE	\$1,443.15
0170	653-6006	80.000	SY	\$4.68085	THERM TRAF STRIPING, YELLOW	\$374.47
0175	682-6233	7170.000	LF	\$6.00000	CONDUIT, NONMETL, TP 3, 2 IN	\$43,020.00
0180	682-9950	970.000	LF	\$14.00000	DIRECTIONAL BORE - 3 IN	\$13,580.00
0185	682-9950	1895.000	LF	\$18.00000	DIRECTIONAL BORE - 7 IN	\$34,110.00
0190	700-6910	1.000	AC	\$738.15046	PERMANENT GRASSING	\$738.15
0195	700-7000	3.000	TN	\$190.33125	AGRICULTURAL LIME	\$570.99
0200	700-8000	3.000	TN	\$462.89872	FERTILIZER MIXED GRADE	\$1,388.70
0205	700-8100	3.000	LB	\$5.15824	FERTILIZER NITROGEN CONTENT	\$15.47
0210	713-3011	3250.000	SY	\$0.45236	WOOD FIBER BLANKET, TP I, SHOULDERS	\$1,470.17
0215	937-6000	2.000	EA	\$4,850.00000	MICROWAVE RADAR DETECTION ASSEMBLY	\$9,700.00
0220	937-8020	1.000	LS	\$3,700.00000	TESTING - MICROWAVE DETECTION SYSTEM	\$3,700.00
0225	937-8520	1.000	LS	\$3,700.00000	TRAINING - MICROWAVE DETECTION SYSTEM	\$3,700.00
SUBTOTAL FOR :						\$1,288,321.76

TOTALS FOR JOB 0012676

DETAILED COST ESTIMATE



Job: 0012676

ITEMS COST:	\$1,288,321.76
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,288,321.76
CONTINGENCY PERCENT:	0.10
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,417,153.94

NOTICE OF LOCATION AND DESIGN APPROVAL
FORSYTH COUNTY
P. I. NO. 0012676

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: **February 24, 2016**

The project is located in Forsyth County. The project is wholly within Congressional Districts 7 & 9.

Project P.I. No. 0012676 in Forsyth County consists of traffic signal upgrades at 9 total locations on SR9, SR20, SR306, and SR369 in Forsyth County. The intersections would be upgraded to meet GDOT and Manual on Uniform Traffic Control Devices (MUTCD) standards. The intersection improvements would include replacing signal poles with new mast arms or strain poles, LED vehicular and pedestrian signal heads, and new vehicle detection and signal control equipment. The intersections would be made ADA compliant with new wheelchair ramps and crosswalks.

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:

Scott Frederick, Area Engineer
sfrederick@dot.ga.gov
Georgia Department of Transportation
2594 Gillsville Hwy
Gainesville, GA 30507
Telephone (770) 535-5759

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

Albert V. Shelby III
ashelby@dot.ga.gov
Office of Program Delivery
Attn: Steven Heng
Georgia Department of Transportation
600 West Peachtree St, 25th Floor
Atlanta, Georgia 30308
Telephone (404) 631-1161

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.