



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE: HPP00-0005-00(448), Fulton County                      OFFICE: Office of Program Delivery  
P.I. No. 0005448  
Roundabout - SR 372/Birmingham Hwy  
@ CR 27/Providence Rd /New Providence Rd                      DATE: December 9, 2011

*Bobby Hilliard*

FROM: Bobby Hilliard, P.E., State Program Delivery Engineer

TO: Brent Story, P.E., State Design Policy Engineer

SUBJECT: **Request for Location and Design Approval**

**Description and Project Proposal:** The existing intersection of SR 372/Birmingham Hwy and CR 27/Providence Rd/New Providence Rd is a non-signalized 4-way intersection with an approximate skew angle of 25 degrees. Both SR 372 and CR 27 are two-lane roads. In the southeast quadrant of the intersection there is a minor residential development. The intersection is located in North Fulton County in the City of Milton just north of the community of Crabapple.

The project consists of realigning the intersection of SR 372 and CR 27 approximately 300' to the north of the existing intersection. The realignment is such that the intersecting skew angle with SR 372 is 80 degrees, which will improve the vertical sight distance along SR 372. The existing non-signalized 4-way intersection will be replaced with a roundabout with right turn bypass lanes on SR 372.

The project length is 0.40 miles along SR 372 and 0.45 miles along CR 27. To maintain traffic on site this project will be stage construction. Lighting will be added to the intersection and will be maintained by the City of Milton.

**Concept Approval Date:** 02/01/11

**Concept Update:** N/A

**Environmental Document Type, Approval Date & any Reevaluations:** CE Approved 11/19/11

**Public Involvement:**

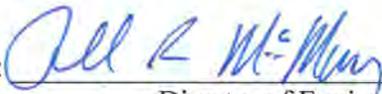
- Public Information Open House
  - Held on 04/20/10 at Alpharetta Government Center, 12624 Broadwell Road, Alpharetta, GA 30004
  - A total of 76 people attended the PIOH, 2 were public officials.
  - Of the 41 comments received, 33 were in support of the projects, 1 was opposed to the projects, 0 were uncommitted, 4 expressed conditional support for the projects and 4 gave no answer.

- Most of the attendees were in favor of the projects. Several commented that they are concerned with speeding at each location and that they would like the projects completed sooner to alleviate that problem. Several attendees also commented that the public will need to be educated on using the proposed roundabout at Birmingham Hwy. The comment that opposed the project stated: "Why put a sidewalk with the volume of traffic and ends up nowhere."

**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.

RECOMMEND:   
Director of Engineering

APPROVE:   
Chief Engineer

12-19-11  
Date

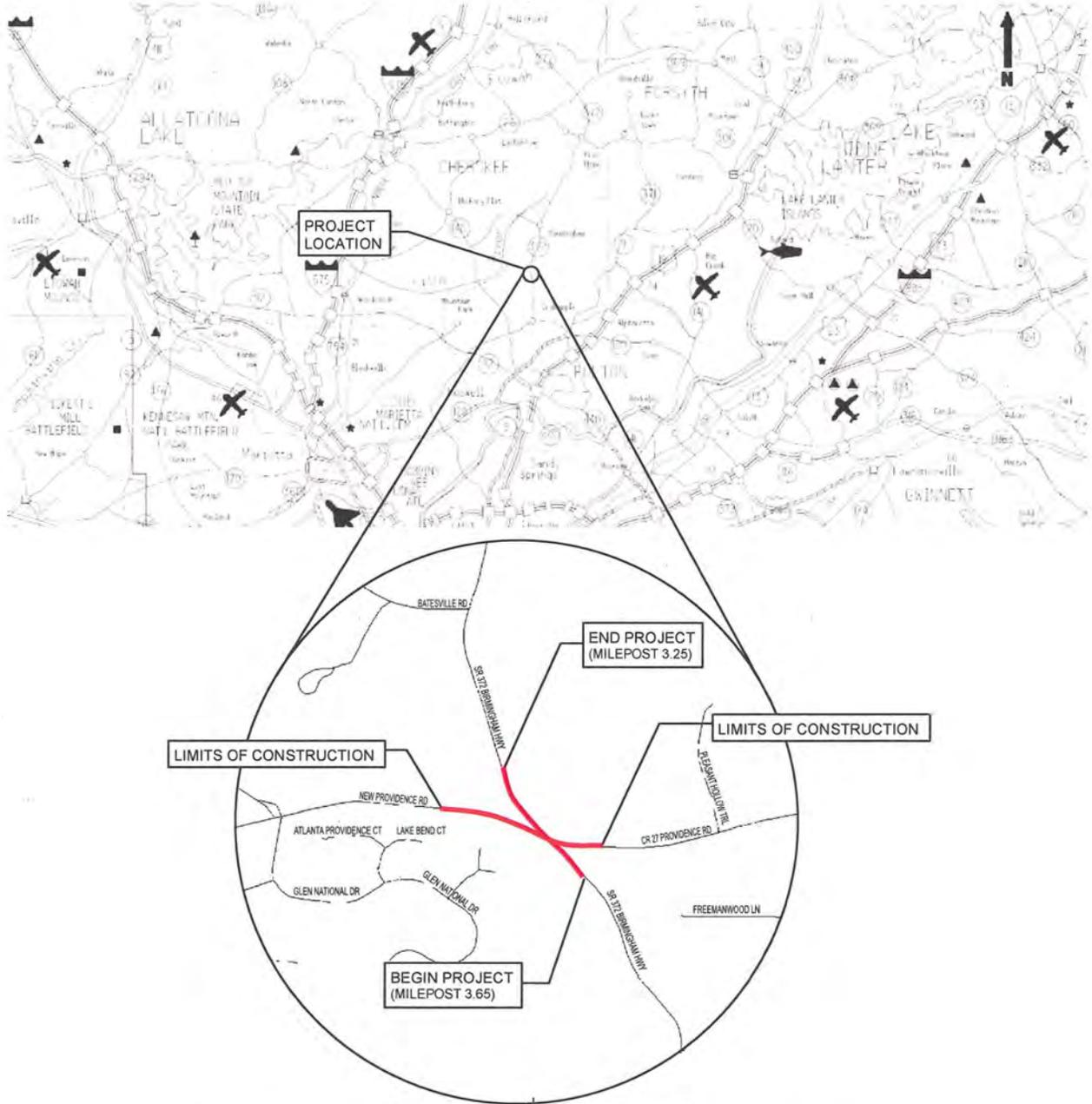
DATE OF LOCATION AND DESIGN APPROVAL: December 19, 2011  
(To be entered by the State Conceptual Design Group Manager)

Attachments:

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

## SITE LOCATION MAP

P. I. Number: 0005448  
Project Number: HPP00-0005-00(448)  
County: Fulton



Intersection Improvements at  
SR 372/Birmingham Hwy @ CR 27/Providence Rd/New Providence  
City of Milton

Processed Date: 12/8/11

**DETAILED COST ESTIMATE**



Job: 0005448

JOB NUMBER: 0005448

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR372/BIRMINGHAM HWY @ CR27/PROVIDENCE RD/NEW PROVIDENCE

ITEMS FOR JOB 0005448

0010 - ROADWAY

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1,000	LS	\$50,000.00	TRAFFIC CONTROL - 0005448	\$50,000.00
0010	210-0100	1,000	LS	\$175,000.00	GRADING COMPLETE - 0005448	\$175,000.00
0015	310-1101	4750	TN	\$17.60	GRAVGR BASE CRS, INCL MATL	\$83,601.36
0020	402-1812	100,000	TN	\$81.16	RECYL AC LEVELING, INC BMSHL	\$8,115.92
0025	402-3113	1400,000	TN	\$75.58	RECYL AC 12.5MM SP, GP 1/2 BMSHL	\$1,058,111.99
0030	402-3121	8200,000	TN	\$57.55	RECYL AC 25MM SP, GP 1/2 BMSHL	\$471,847.06
0035	402-3190	2400,000	TN	\$65.09	RECYL AC 19MM SP, GP 1 OR 2, INC BMSHL	\$156,225.10
0040	413-1000	2200,000	GL	\$2.67	BITUM TACK COAT	\$5,882.36
0045	441-0218	250,000	SY	\$40.40	DRIVEWAY CONCRETE, 8 IN TK	\$10,099.14
0055	441-0748	700,000	SY	\$41.33	CONC MEDIAN, 6 IN	\$28,929.17
0060	441-4020	100,000	SY	\$34.29	CONC VALLEY GUTTER, 6 IN	\$3,429.40
0065	441-6022	7264,000	LF	\$14.09	CONC CURB & GUTTER, 6"x30"TP2	\$102,359.42
0070	446-1100	1800,000	LF	\$5.01	P/MT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$9,020.88
SUBTOTAL FOR ROADWAY:						\$1,210,410.50

0020 - EROSION CONTROL

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0075	163-0232	6,000	AC	\$349.41	TEMPORARY GRASSING	\$2,096.43
0080	163-0240	55,000	TN	\$208.75	MULCH	\$11,481.13
0085	163-0300	2,000	EA	\$1,076.62	CONSTRUCTION EXIT	\$2,153.24
0090	163-0501	3,000	EA	\$672.49	CONSTR AND REMOVE SILT CONTROL GATE, TP 1	\$2,017.46
0095	163-0550	30,000	EA	\$130.43	CONG & REM INLET SEDIMENT TRAP	\$3,912.85
0100	165-0010	1000,000	LF	\$0.66	MAINT OF TEMP SILT FENCE, TP A	\$659.99
0105	165-0101	2,000	EA	\$534.48	MAINT OF CONST EXIT	\$1,068.97
0110	165-0155	30,000	EA	\$56.30	MAINT OF INLET SEDIMENT TRAP	\$1,688.95
0115	167-1000	1,000	EA	\$460.67	WATER QUALITY MONITORING AND SAMPLING	\$460.67
0120	167-1500	18,000	MO	\$340.48	WATER QUALITY INSPECTIONS	\$6,128.67
0125	171-0010	2000,000	LF	\$1.78	TEMPORARY SILT FENCE, TYPE A	\$3,510.82
0130	603-2180	15,000	SY	\$42.91	STN DUMPED RIP RAP, TP 3, 12"	\$643.67
0135	603-7000	15,000	SY	\$4.08	PLASTIC FILTER FABRIC	\$61.27
0140	700-8910	6,000	AC	\$666.33	PERMANENT GRASSING	\$3,998.00
0145	700-7000	20,000	TN	\$78.30	AGRICULTURAL LIME	\$1,566.00
0150	700-7010	18,000	GL	\$22.22	LIQUID LIME	\$399.99
0155	700-8000	7,000	TN	\$354.02	FERTILIZER MIXED GRADE	\$2,478.16
0160	700-8100	350,000	LB	\$1.76	FERTILIZER NITROGEN CONTENT	\$615.50
0165	716-2000	6000,000	SY	\$9.92	EROSION CONTROL MATS, SLOPES	\$59,245.56
SUBTOTAL FOR EROSION CONTROL:						\$50,464.42

0030 - SIGNING & MARKING

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0170	636-1020	200,000	SF	\$14.45	HWY SIGN, TP1MAT, REFL, SH TP3	\$2,889.88
0175	636-1033	200,000	SF	\$19.39	HWY SIGNS, TP1MAT, REFL, SH TP 9	\$3,877.89
0180	636-2070	400,000	LF	\$7.89	GALV STEEL POSTS, TP 7	\$3,155.00
0185	636-2090	400,000	LF	\$7.91	GALV STEEL POSTS, TP 9	\$3,163.82
0190	652-0120	50,000	EA	\$38.65	PAVEMENT MARKING, ARROW, TP 2	\$1,932.54
0195	652-2501	3,000	LM	\$466.58	SOLID TRAF STRIPE, 6 IN, WHITE	\$1,399.73
0200	652-2502	3,000	LM	\$335.40	SOLID TRAF STRIPE, 6 IN, YELLOW	\$1,006.19
0205	652-6301	500,000	GLF	\$0.11	SKIP TRAF STRIPE, 6 IN, WHITE	\$55.68
0210	652-9001	500,000	SY	\$1.75	TRAFFIC STRIPE, WHITE	\$872.66
0215	652-9002	500,000	SY	\$1.92	TRAFFIC STRIPE, YELLOW	\$959.19
0220	653-1704	100,000	LF	\$3.77	THERM SOLID TRAF STRIPE, 24"WH	\$376.66
0225	653-1804	700,000	LF	\$1.91	THERM SOLID TRAF STRIPE, 8"WH	\$1,334.67
SUBTOTAL FOR SIGNING & MARKING:						\$21,625.61

0040 - DRAINAGE

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0230	441-0203	4,000	EA	\$1,788.15	CONC SPILLWAY, TP 3	\$7,152.61
0235	550-1180	3000,000	LF	\$30.14	STM DR PIPE 18"X 1-10	\$90,422.13
0240	550-4118	12,000	EA	\$334.09	FLARED END SECT 18 IN, SIDE DR	\$4,009.08
0245	668-1100	14,000	EA	\$2,052.84	CATCH BASIN, GP 1	\$28,739.78
0250	668-4300	2,000	EA	\$1,873.40	STORM SEW MANHOLE, TP 1	\$3,746.80
SUBTOTAL FOR DRAINAGE:						\$134,078.40

0050 - LIGHTING

Item Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0255	681-3600	1,000	EA	\$200,000.00	LIGHTING STD, SPCL DES	\$200,000.00
SUBTOTAL FOR LIGHTING:						\$200,000.00

TOTALS FOR JOB 0005448

ITEMS COST:	\$1,615,970.33
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,615,970.33
CONTINGENCY PERCENT:	\$0.00
ENGINEERING AND INSPECTION:	\$0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,615,970.33

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**Project Number HPP-0005-00(448), Fulton County**  
**P.I. Number 0005448**

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.

Date of Location Approval: Dec 19, 2011

The project is located in the City of Milton just north of the community of Crabapple. Land lots 809, 810, 847, 848, 882 of the 2<sup>nd</sup> District and 2<sup>nd</sup> Section of Fulton County.

This project consists of intersection improvements to SR 372 Birmingham Highway @ CR 27 Providence Road/New Providence Road in North Fulton County. The improvement project includes realigning the intersection of SR 372 and CR 27 approximately 300' to the north of the existing intersection. The realignment is such that the intersecting skew angle with SR 372 is 80 degrees, which will improve the vertical sight distance along SR 372. The existing non-signalized 4 way intersection will be replaced with a roundabout.

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

**Sebastian Nesbitt**  
Area 2 Engineer  
snesbitt@dot.ga.gov  
1269 Kennestone Circle  
Marietta, GA 30066  
770-528-3238

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:

**Bobby Hilliard**  
State Program Delivery Engineer  
[bhilliard@dot.ga.gov](mailto:bhilliard@dot.ga.gov)  
600 West Peachtree Street  
Atlanta, GA 30308  
404-631-1122

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.