

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0007533 **OFFICE** Design Policy & Support
CSHPP-0007-00(533)
Fulton County
GDOT District 7 - Metro Atlanta **DATE** July 15, 2014
Roundabout: CR 1374/Butner Rd. @
CR 1386/Stonewall Tell Rd.

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:

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
Bobby Hilliard, Program Control Administrator
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Merishia Robinson, Project Manager
BOARD MEMBER - 13th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE CSHPP-0007-00(533), Fulton County. OFFICE Program Delivery
P.I. No. 0007533
CR 1374/Butner Road at CR 1386/Stonewall
Tell Road Intersection Improvement - Roundabout DATE May 28, 2014

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

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

SUBJECT Request for Location and Design Approval

Description and Project Proposal

This project involves designing improvements for the existing four-way intersection of Butner Road at Stonewall Tell Road. Butner Road crosses Stonewall Tell Road at a severe skew. This alignment deficiency is compounded as the east and west approaches of Butner Road intersect Stonewall Tell Road at significantly different angles. Approach lanes are approximately 12 feet wide with rural shoulders. There are no provisions for turning lanes on any approach. There is no curb and gutter or provisions for pedestrian crossing. Due to the geometry of the intersection a traditional intersection is not an option. The proposed project includes two three-legged approach roundabouts located in the southwestern and northeastern corners of the existing intersection connected by a median. The roundabouts will have two inscribed circles of 110 feet with splitter islands on all of the approaches. Access will be provided to the existing gas station and market via the southernmost roundabout. The project has a total project length of 0.56 miles and is located entirely in Fulton County.

Concept Approval Date: July 12, 2012

Concept Update: N/A

Environmental Document Type, Approval Date & any Reevaluations: Categorical Exclusion, *approved June 13, 2014.*

Temporary State Route Needed: No Yes Undetermined
CR 1374/Butner Road for 0.109 miles west and 0.147 miles east of the intersection CR 1386/Stonewall Tell Road for 0.203 miles.

Public Involvement:

Public Information Open House summary:

- *The initial PIOH was held January 21, 2010 with a total of 61 attendees.*

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County: Fulton
P. I. Number: 0007533

- 42 total comments were received (19 For, 4 Against, 16 Conditional For and 3 Uncommitted)
- Most of the persons in favor of the project did not choose any of the concepts presented, but they recognized that something needed to be done to improve the existing condition of the intersection. From those individuals that did select a concept, the roundabout concept was looked upon most favorably due to the improved traffic flow condition for those traveling along Butner Road. Those persons against the proposed project had the following concerns:
 - The roundabout concepts should be eliminated from consideration because I am concerned with access to the gas station and the grocery store.
 - No data was provided to support the claim that there is a high rate of crashes at this intersection.
 - We should save our tax dollars and keep the intersection as is, but add a traffic signal to control movements.
 - Roundabouts are for people who are not disciplined enough to stop at a sign or traffic light.
 - Sidewalks need to be extended regardless of whether or not the intersection is improved.
 - The intersection at South Fulton Parkway and Stonewall Tell Road needs more attention.
- Persons expressing conditional support appeared to be split between those not wanting to see roundabouts constructed and those wanting the roundabouts. However, many of those showing conditional support believed that all four of the concepts presented at the PIOH had shortcomings that needed to be addressed.
- In order to address comments received, the project design team developed a new preferred alternative that resolved the major issues/concerns expressed by the public during the initial PIOH. The new double-roundabout design maintains access to the commercial properties, addresses the safety concerns for motorists and pedestrians moving through the intersection, and increases the level of service of the intersection.
- A second PIOH was held June 15, 2010 with a total of 20 attendees.
 - The main concern expressed at this meeting was the use of roundabouts to address the problems with the intersection as opposed to installing a traffic light. Meeting attendees were informed that the intersection does not warrant a traffic signal, and installation of a traffic signal would not address the geometric issues with the intersection.

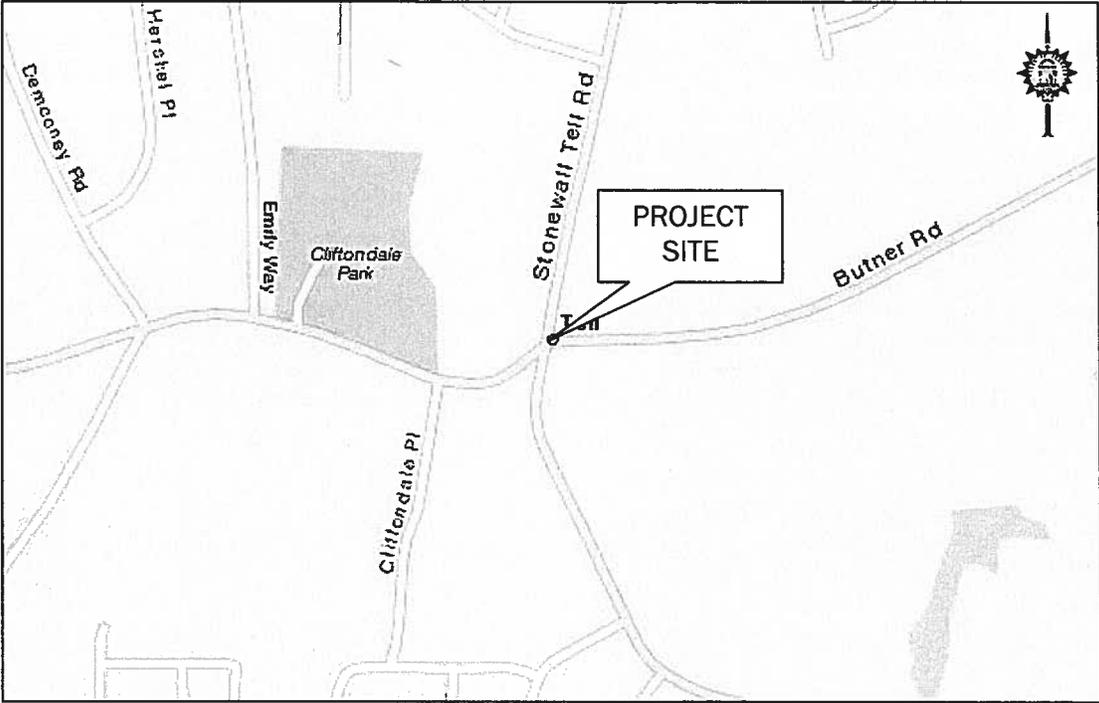
Consistency with Approved Planning:

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

Recommendations: It is recommended that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR: 
Director of Engineering

Butner Road at Stonewall Tell Rd Intersection
Improvement Project
Project Map



STATE HIGHWAY AGENCY

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JOB ESTIMATE REPORT

JOB NUMBER : PI#0007533 SPEC YEAR: 01
DESCRIPTION: BUTNER ROAD AT STONEWALL TELL ROAD INTERSECTION IMPROVEMENT

ITEMS FOR JOB PI#0007533

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-0001		LS	TRAFFIC CONTROL, NON-REFUNDABLE DEDUCT	1.000	150000.00	150000.00
0010	163-0232		AC	TEMPORARY GRASSING	2.000	248.91	497.82
0015	163-0240		TN	MULCH	5.000	308.80	1544.02
0020	163-0501		EA	CONSTR AND REMOVE SILT CONTROL GATE, TP 1	4.000	395.20	1580.83
0025	163-0527		EA	CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	15.000	218.54	3278.10
0030	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	50.000	3.36	168.23
0035	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	50.000	3.36	168.10
0040	165-0010		LF	MAINT OF TEMP SILT FENCE, TP A	5000.000	0.64	3238.75
0045	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	25.000	1.13	28.35
0050	171-0010		LF	TEMPORARY SILT FENCE, TYPE A	10000.000	2.16	21677.70
0060	210-0100		LS	GRADING COMPLETE - PRELIMINARY ESTIMATE	1.000	80000.00	80000.00
0065	310-1101		TN	GR AGGR BASE CRS, INCL MATL	3330.000	20.70	68954.84
0085	413-1000		GL	BITUM TACK COAT	250.000	4.45	1113.88
0090	429-1000		EA	RUMBLE STRIPS	16.000	685.51	10968.16
0095	441-0104		SY	CONC SIDEWALK, 4 IN	4244.000	23.03	97771.49
0100	441-0740		SY	CONC MEDIAN, 4 IN	29.000	47.80	1386.32
0105	441-4020		SY	CONC VALLEY GUTTER, 6 IN	350.000	37.60	13161.68
0110	441-6012		LF	CONC CURB & GUTTER/ 6"X24"TP2	5000.000	12.19	60993.55
0115	500-3101		CY	CLASS A CONCRETE	60.000	465.14	27908.97
0120	550-1180		LF	STM DR PIPE 18",H 1-10	2254.000	37.00	83419.84
0150	636-1020		SF	HWY SGN,TP1MAT,REFL SH TP3	200.000	15.64	3129.12
0155	636-2070		LF	GALV STEEL POSTS, TP 7	500.000	7.93	3966.73
0170	653-1501		LF	THERMO SOLID TRAF ST 5 IN, WHI	5122.000	0.51	2624.67
0175	653-1502		LF	THERMO SOLID TRAF ST, 5 IN YEL	3782.000	0.48	1822.85
0180	653-1804		LF	THERM SOLID TRAF STRIPE, 8",WH	1000.000	2.36	2360.10
0185	654-1001		EA	RAISED PVMT MARKERS TP 1	50.000	4.15	207.79
0190	668-1100		EA	CATCH BASIN, GP 1	20.000	1934.77	38695.60
0205	681-4269		EA	LT STD, 16' MH, 6' ARM	40.000	4635.00	185400.00
0210	681-6220		EA	LUMINAIRE,TP 2, 150W,HP SODIUM	40.000	1190.00	47600.00
0215	700-6910		AC	PERMANENT GRASSING	2.000	860.91	1721.82
0220	009-3500		LS	MISC LANDSCAPE ITEMS LANDSCAPING	1.000	40000.00	40000.00
0230	441-0740		SY	CONC MEDIAN, 4 IN STAMPED BRICK	1853.000	33.20	61528.14
0235	441-6718		LF	CONC CURB & GUTTER,6"X24",TP 7	600.000	12.50	7500.00
0239	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	456.000	81.44	37140.17
0240	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	819.000	77.43	63418.65
0245	402-3103		TN	REC AC 9.5 MM SP,TP1I,GP2, INCL BM & HL	887.000	98.47	87347.35

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JOB ESTIMATE REPORT

0250	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	144.000	7.06	1016.89
0255	550-4218	EA	FLARED END SECT 18 IN, ST DR	5.000	473.91	2369.57
0260	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	338.000	0.42	144.01
0265	668-5000	EA	JUNCTION BOX	2.000	1480.71	2961.43
0270	441-5010	LF	CONC HDR CURB, 6 IN, TP 9	630.000	15.00	9450.00
0275	441-5002	LF	CONC HEADER CURB, 6", TP 2	116.000	13.34	1547.60
0280	653-6006	SY	THERM TRAF STRIPING, YELLOW	273.000	4.24	1159.93

ITEM TOTAL	1230973.04
INFLATED ITEM TOTAL	1251771.05

TOTALS FOR JOB PI#0007533

ESTIMATED COST:	1251771.05
CONTINGENCY PERCENT (10.0):	125177.11
ESTIMATED TOTAL:	1376948.16

Project Number: CSHP-0007-00(533)
County: Fulton
P. I. Number: 0007533

**NOTICE OF LOCATION AND DESIGN APPROVAL
CSHP-0007-00(533) FULTON COUNTY
P. I. NUMBER 0007533**

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 15, 2017

This project involves designing improvements for the existing four-way intersection of Butner Road at Stonewall Tell Road. The project has a total project length of 0.56 miles and is located entirely in Fulton County. The project is located within Land Lots 143 and 125 and G.M .D. 499.

The proposed project includes two three-legged approach roundabouts located in the southwestern and northeastern corners of the existing intersection connected by a median. The roundabouts will have two inscribed circles of 110 feet with splitter islands on all of the approaches. Access will be provided to the existing gas station and market via the southernmost roundabout.

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:

Dale Ferris, Area Engineer
Georgia Department of Transportation
District 7, Area 3 Office
dferris@dot.ga.gov
4125 Roosevelt Highway
College Park, Georgia 30349
(404) 559-6658

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:

Ernest Slaughter, Deputy Director
Fulton County Transportation
Facilities & Transportation Services Department
Ernest.Slaughter@fultoncountyga.gov
141 Pryor Street
Atlanta, Georgia 30303
(404) 612-8325

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.