

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0008627 & 0010848

OFFICE Design Policy & Support

CSSFT-0008-00(627)

Hall County

GDOT District 1 - Gainesville

DATE April 23, 2015

CR 1300/Union Church Road from

SR 53 to SR 211 – Signing & Marking

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
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Andy Casey, State Roadway Design Engineer
Attn: Clay Bastian, Design Group Manager
Richard Cobb, Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Kim Coley, District Planning & Programming Engineer
Matt Needham, Area Engineer - D1, A1
Charles Robinson, Project Manager
BOARD MEMBER - 9th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT

FILE P.I. Number 0008627
CSSFT-0008-00(627)

OFFICE Program Delivery

Hall County

DATE 3/31/2014

CR 1300/UNION CHURCH ROAD
FROM SR 53 TO SR 211 @ 5 LOCS-HRRR

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

Albert Shelby
AS/IKWN

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 project length is approximately 1.58 miles. This project will add high surface friction course to five sites along CR1300/Union Church Road. Within site #2 the triple box culvert at Deaton Creek will be extended 33-35 feet, the shoulder will be extended and guardrail added in the vicinity of the culvert extension. The existing typical section will remain the same along Union Church Road, except for site #2 where the shoulder will be widened due to the culvert extension. The existing right of way (ROW) will remain between 60 and 80 feet along the roadway except for site #2 where additional ROW needed ranges between 20 and 30 feet. The project is located in Hall County within the city limits of Flowery Branch and Braselton, Georgia. This project will impact five locations along Union Church Road between MP 0 and MP 5.25.

Concept Approval Date: The project concept for this project was approved on May 23, 2012. A revised concept report for this project was approved on April 9, 2014.

Environmental Document:

Document Type: Categorical Exclusion

Approval Date: 3/23/2015

Temporary State Route Needed: No Yes Undetermined

Public Involvement: There were no public information open house (PIOH) meetings held for this project.

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: *Al Bon*
GDOT Director of Engineering

Location and Design Report

P.I. # 0008627

Approve: Margaret B. Puklo
 GDOT Chief Engineer

4.20.15
Date

DATE OF LOCATION AND DESIGN APPROVAL: April 23, 2015
(To be entered by State Conceptual Design Group Manager)

Attachments:

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

NOTICE OF LOCATION AND DESIGN APPROVAL
CSSFT-0008-00(627), HALL COUNTY
P. I. NUMBERS 0008627 & 0010848

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: April 23, 2015

The project length is approximately 1.58 miles and is located within the General Militia District 392. This project will add high surface friction course to five sites along CR1300/Union Church Road. Within site #2 the triple box culvert at Deaton Creek will be extended 33-35 feet, the shoulder will be extended and guardrail added in the vicinity of the culvert extension.

The existing typical section will remain the same along Union Church Road, except for site #2 where the shoulder will be widened due to the culvert extension. The existing right of way (ROW) will remain between 60 and 80 feet along the roadway except for site #2 where additional ROW needed ranges between 20 and 30 feet. The project is located in Hall County within the city limits of Flowery Branch and Braselton, Georgia. This project will impact five locations along Union Church Road between MP 0 and MP 5.25.

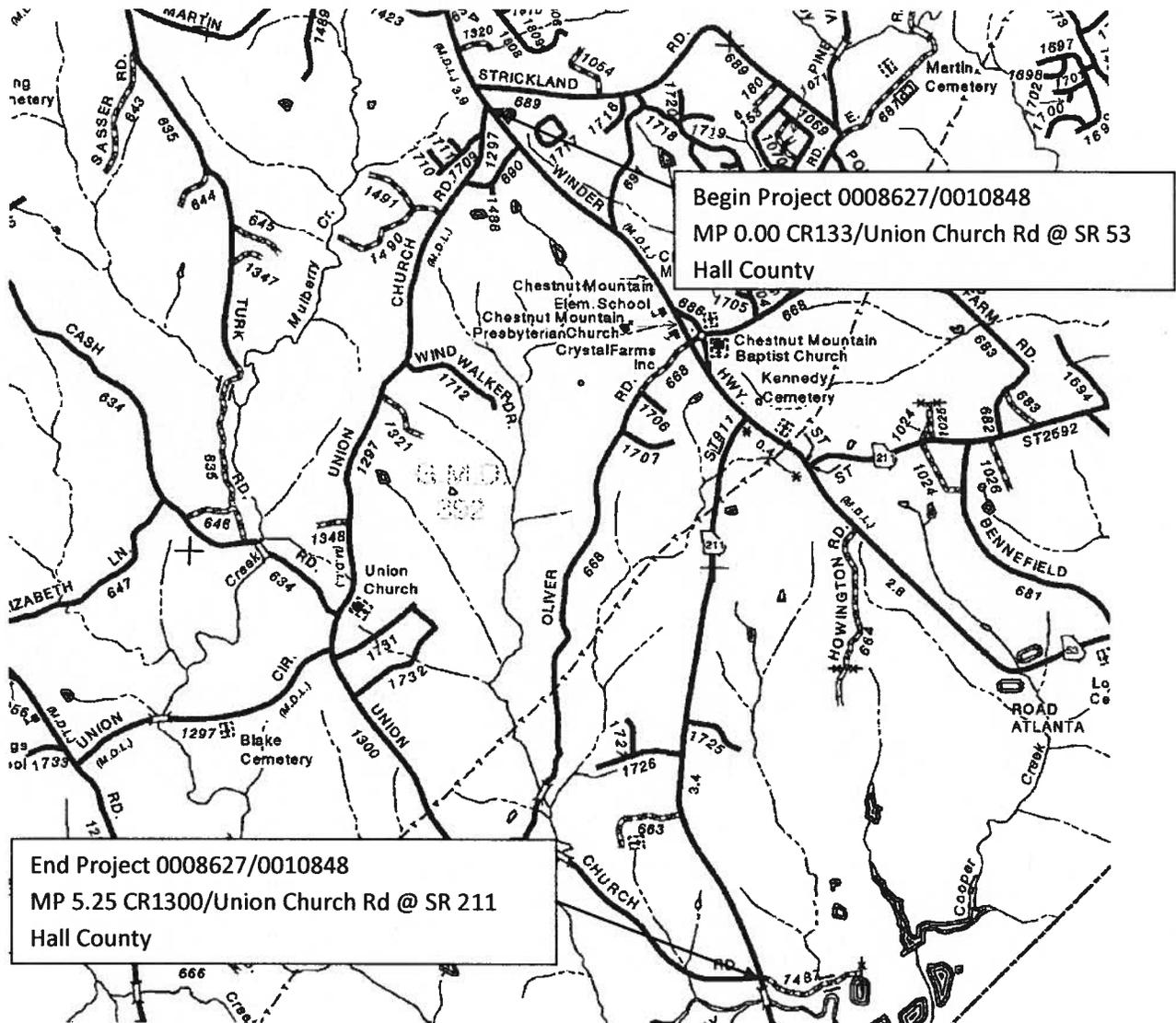
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

*Matthew Needham
mneedham@dot.ga.gov
Georgia Department of Transportation
District 1, Area 1 office
2594 Gillsville Highway
Gainesville, GA 30507
770-535-5759*

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
Attn: Charles A. Robinson, Project Manager
chrobinson@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street
Office of Program Delivery, 25th Floor
Atlanta, Georgia 30308
404-631-1439*

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.



Location Map

CSSFT-0008-00(627) Hall County, P.I. No. 0008627

Hall County, P.I. No. 0010848

CR 1300/Union Church Road at Deaton Creek – HRRR

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.

OFFICE

PROJECT DESCRIPTION

DATE

From:

To: Lisa L. Myers, State Project Review Engineer

Subject: **REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER

MGMT LET DATE

MGMT ROW DATE

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

*Cost Contains % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	957,268.67	Base Estimate From CES	
B. ENGINEERING AND INSPECTION (E & I):	\$	47,863.43	Base Estimate (A) x	5 %
C. CONTINGENCY:	\$	30,153.96	Base Estimate (A) + E & I (B) x	3 %
			<u>See % Table in "Risk Based Cost Estimation" Memo</u>	
D. TOTAL LIQUID AC ADJUSTMENT:	\$	15,844.33	Total From Liquid AC Spreadsheet	
E. CONSTRUCTION TOTAL:	\$	1,051,130.40	(A + B + C + D = E)	

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
TOTAL	\$ -

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
 Liquid AC Adjustment Spreadsheet

PROJ. NO. CSSFT-0008-00(627)
 P.I. NO. 0008627
 DATE 3/24/2015

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Mar-15	\$ 2.291
DIESEL		\$ 2.848
LIQUID AC	5/24/1901	2.291

Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

LIQUID AC ADJUSTMENTS 2.848

PA=[((APM-APL)/APL)]xTMTxAPL 510

Asphalt
 Price Adjustment (PA) 15804.9 \$ 15,804.90
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 816.00
 Monthly Asphalt Cement Price month project let (APL) \$ 510.00
 Total Monthly Tonnage of asphalt cement (TMT) 51.65

ASPHALT	Tons	%AC	AC ton
Leveling	930	5.0%	46.5
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	40	5.0%	2
25 mm SP		5.0%	0
19 mm SP	63	5.0%	3.15
	1033		51.65

930

BITUMINOUS TACK COAT

Price Adjustment (PA) \$ 39.43 \$ 39.43
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 816.00
 Monthly Asphalt Cement Price month 40 \$ 510.00
 Total Monthly Tonnage of asphalt cement (TMT) 0.128853028
 63

Bitum Tack

Gals	gals/ton	tons
30	232.8234	0.12885303

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA) 0 \$ -
 Monthly Asphalt Cement Price month placed (APM) Max. Cap 60% \$ 816.00
 Monthly Asphalt Cement Price month project let (APL) \$ 510.00
 Total Monthly Tonnage of asphalt cement (TMT) 0

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ 15,844.33

Preconstruction Status Report

CR 1300/UNION CHURCH ROAD FROM SR 53 TO SR 211 @ 5 LOCS-HRRR

PI Number: 0008627

COUNTY: Hall
 LENGTH (MI): 1.58
 PROJ NO: CSSPT-0008-00(627)
 PROJ MGR: Robinson, Charles
 AOHG INITIALS: KWN
 OFFICE: Program Delivery
 CONSULTANT: No Consultant, GDOT In-House Design
 SPONSOR: GDOT

MPO: Gainesville
 TIP #: GH-
 MODEL YR: Realignment
 TYPE WORK: SAFETY IMP
 CONCEPT: Safety
 BOND PROJ: GDOT Roadway Design C
 DESIGN FIRM: Bastian

PRIORITY CD: 8642
 DOT DIST: 1
 CONG. DIST: 9
 BIKE: Y
 MEASURE: E
 SUFF:

BASELINE LET DAT: 4/14/16
 SCHED LET DATE: 5/23/17
 LIGHTING TYPE: None
 MGMT LET DATE: 4/15/16
 MGMT ROW DATE: 4/15/15
 WHO LETS?: GDOT Let
 LET WITH: 0010848

Print Date 3/30/15
 Page 1

BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
10/1/08	5/12/14	Concept Development Summary	10/1/08	4/9/14	100
9/9/11	9/9/11	Concept Meeting	1/17/11	1/17/11	100
10/21/11	10/21/11	Management Concept Approval Complete	8/24/12	8/24/12	100
2/17/14	5/12/14	Revised Concept Summary	2/17/14	4/9/14	100
10/24/11	12/17/14	Environmental Summary	9/19/11		77
1/13/10	10/24/11	Database Summary	1/13/10	5/7/13	100
1/13/10	7/8/10	Field Survey Summary	1/13/10	7/8/10	100
10/24/11	4/11/14	Preliminary Roadway Plans	9/30/13	4/29/14	100
7/14/15	1/7/16	404 Permit Summary			0
1/21/15	1/21/15	PFPR Inspection	6/4/14	6/4/14	100
2/5/15	3/4/15	R/W Plans Preparation	12/1/14	12/4/14	100
3/5/15	4/1/15	R/W Plans Final Approval	12/5/14		0
4/30/15	4/30/15	L & D Approval			0
2/5/15	9/2/15	R/W Authorization	2/5/15		0
10/8/15	10/8/15	Final Construction Plans			0
1/29/16	1/29/16	FFPR Inspection			0
2/18/16	2/18/16	Submit Final Plans			0
		Construction Authorization			0

Bridge: CULVERT EXTENSION
Design: JG:On BL Schedule, R/W plans submitted 12-5-2014; Need L&D(02-02-2015)
EIS: OnSchedBLCertforRWAwhBy15Apr15 | CE | NotApvd | Adriaenssens 24Feb15
EMG: SAFETY (ALIGNMENT)
Engr Services: MP: PFPR responses accepted 14July14.
LGPA: PFA REQ HALL DO UTIL|100% CST OVER \$2,122,416 & ACQUIRE ROW 3-6-12|NOTIFICATION LETTER SENT TO HALL 2-13-09.
Planning: CR 1300/Union Church Rd @ Mulberry Crk is on Gainesville-Hall MPO BiketPsd Plan. (2006, see proposed bike network map)
Programming: CONFIRMED EXEMPT PER FHWA 6-1-2014|LS 0008641#1 10-2011#2 6-2013#3 4-2014
Traffic Op: Imp....updating B/C 10/10
Utility: second Submission plans rec'd from PM. 2-25-15, CHW

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	2010	2010	\$380,000.00	LS20	AUTHORIZED	3/30/10
ROW	LOCL	LOCL	\$130,000.00	LOC	PRECST	
CST	LUMP	LUMP	\$1,005,302.90	LS20	PRECST	

	Activity	Cost	Fund
PE	8/2/07		
ROW	4/9/14		LS20
CST	4/9/14		LOC
			LS20

STIP AMOUNTS

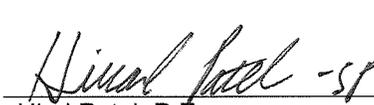
	Activity	Cost	Fund
PE	8/2/07		
ROW	4/9/14		LS20
CST	4/9/14		LOC
			LS20

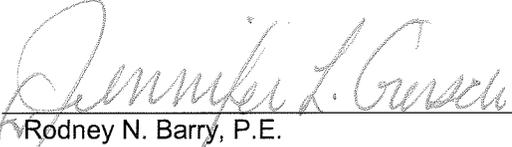
District Comments

Clay Bastian, GDOT Design Group Manager 404-631-1610
 Scope: Concept Valid
 Schedule: Project behind baseline schedule. Late environmental approval due to need for hydraulic study.
 Working to Recovery schedule. Env Approval expected by 03-31-15.
 Next milestones: Env. approval
 Risk: Consultant working on hydraulic study. Notified 01-30-15 by consultant of error in FEMA model and map.
 Ongoing coordination with Hall County in progress for "no rise" certification concurrence.
 Budget: Adhd PE funds request anticipate of \$30,000. Current In-House PE \$2k
 CAR 3-18-15

Pre Parcel CT	1	Total Parcel in ROW System:	1	Cond Filled:	0	Acquired by:	LOC	DEEDS CT:	0
Under Review	0	Options Pending:	0	Relocations:	0	Acquisition MGR:	Byers, Kim (LOC)		
Released:	0	Condemnations - Pend:	0	Acquired:	0	R/W Cert Date:			

Reviewed By:  2/6/15
Bobby Dollar
NEPA Manager
Georgia Department of Transportation
Date

Concurred By:  2/6/15
Hiral Patel, P.E.
State Environmental Administrator
Georgia Department of Transportation
Date

Approved By:  3-23-15
Rodney N. Barry, P.E.
Division Administrator
Federal Highway Administration
Date

** w/changes provided
on 3/18/15*

Attachments appear in the following order:

1. Effects Evaluation
2. Correspondence & Report Coordination