

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0010413 **OFFICE** Design Policy & Support
Lincoln County
GDOT District 2 - Tennille **DATE** 7/22/2014
SR 43 at Soap Creek 4 miles East of Lincoln:
Bridge Replacement

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:

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
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Todd Price, District Design Engineer
Jeff Fletcher, Location Bureau Chief
James Smith, District Engineer
Neal O'Brien, District Preconstruction Engineer
Rodney Way, Area Engineer - D2, A4
Bruce Anderson, Project Manager
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE PI 0010413, Lincoln County **DATE** 06/30/14
FROM Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby*
TO Brent Story, State Design Policy Engineer
Attention: Dave Peters, State Conceptual Design Group Manager
SUBJECT Request for Location and Design Approval

Description and Project Proposal:

The project consists of the replacement of the existing bridge located on SR 43 over Soap Creek at Clarks Hill Lake approximately 4 miles East of Lincolnton, Georgia. The existing bridge was designed using a truck configuration that weighs less than the current state legal truck weights and the overall condition of this bridge would be classified as poor to good. The existing bridge needs replacement due to the previously listed structural issues. The U.S. Army Corp of Engineers has requested that the bridge be raised an additional 8 to 9 feet above the existing bridge in order to allow sufficient clearance for most pontoon boats to pass safely under the bridge when the lake is at full pool. The proposed length of the project is 0.56 miles.

Concept Approval Date:

The original Concept Report was approved 11/01/2012.

Concept Update:

There are no concept changes at this time.

Environmental Document Type, Approval Date and any Re-evaluations:

A Categorical Exclusion (CE) was completed on the project and was approved by FHWA on 06/30/14. Signature page attached.

Public Involvement:

A Public Information Open House was held on 08/30/2012.

Consistency with Approved Planning:

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

Recommendations:

CONCUR: 
Director of Engineering

APPROVE:  ASJ 7/17/14
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: 07/22/2014
(To be entered by the State Conceptual Design Group Manager)

AVS:BWS:GMB:BGA

Attachments: Notice of Location and Design Approval
Sketch Map
Categorical Exclusion (CE) signature page

NOTICE OF LOCATION AND DESIGN APPROVAL

Lincoln County
P.I. No. 0010413

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 approval is July 22, 2014.

The project consists of the replacement of the existing bridge located on SR 43 over Soap Creek at Clarks Hill Lake approximately 4 miles East of Lincolnton, Georgia, in G.M.D. #186. The existing bridge was designed using a truck configuration that weighs less than the current state legal truck weights and the overall condition of this bridge would be classified as poor to good. The existing bridge needs replacement due to the previously listed structural issues. The U.S. Army Corp of Engineers has requested that the bridge be raised an additional 8 to 9 feet above the existing bridge in order to allow sufficient clearance for most pontoon boats to pass safely under the bridge when the lake is at full pool. The proposed length of the project is 0.56 miles.

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

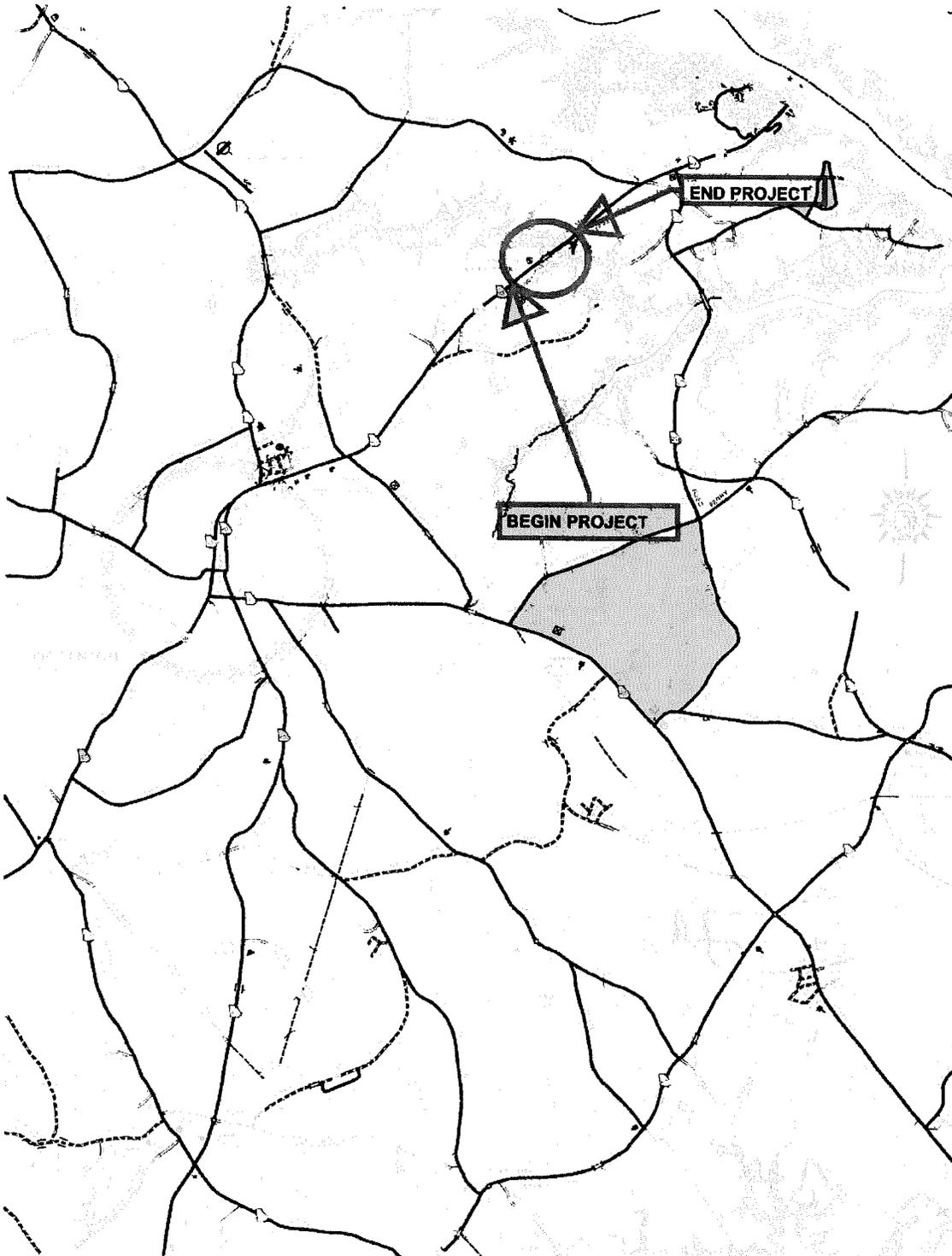
Rodney Way, Area Engineer
rway@dot.ga.gov
4260 Frontage Road
Augusta, Ga. 30909
(706) 855-3466

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
ashelby@dot.ga.gov
600 West Peachtree Street
25th Floor
Atlanta, GA 30308
(404) 631-1758

Any written request or communication in reference to this project SHOULD include the Project and PI numbers as noted at the top of this notice.

PROJECT LOCATION





STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE OF THE CHIEF ENGINEER
 PROJECT NUMBER: _____
 SHEET NO.: _____
 TOTAL SHEETS: _____
 DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 PROJECT LOCATION: _____

GEORGIA
 DEPARTMENT
 OF
 TRANSPORTATION

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: **MAINLINE PLAN**

REVISION DATES: _____

SCALE IN FEET
 0 100 200 300

BEGIN LIMIT OF ACCESS.....BLA
 END LIMIT OF ACCESS.....ELA
 LIMIT OF ACCESS.....CLA
 REQ'D R/W & LIMIT OF ACCESS

PROPERTY AND EXISTING R/W LINE
 ACQUIRED R/W LINE
 EASEMENT FOR CONSTRUCTION
 EASEMENT FOR CONSTRUCTION & MAINTENANCE OF SLOPES
 EASEMENT FOR CONSTRUCTION OF SLOPES
 EASEMENT FOR CONSTRUCTION OF DRIVEWAYS

13-

E. Permits/Variances/Commitments Required	Yes	No	See Attachment
1. U.S. Coast Guard Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2. Forest Service/Corps Land	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. CWA Section 404 Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,2
4. Tennessee Valley Authority Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Buffer Variance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,2
6. Coastal Zone Management Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. Cemetery Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Other Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other Commitments	<input type="checkbox"/>	<input type="checkbox"/>	Green Sheet

F. Section 4(f) Applicability	Yes	No	See Attachment
1. <i>De Minimis</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,2
2. Programmatic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. Individual	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4. Section 6(f) Applicability	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Prepared By:


 Sam Pugh
 NEPA Team Leader
 Georgia Department of Transportation

6/19/14
 Date

Reviewed By:
 correc


 Rick O'Hara
 NEPA Analyst
 Georgia Department of Transportation

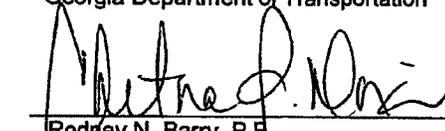
6/20/14
 Date

Concurred By:


 Hiral Patel, P.E.
 State Environmental Administrator
 Georgia Department of Transportation

6/20/14
 Date

Approved By:


 Rodney N. Barry, P.E.
 Division Administrator
 Federal Highway Administration

6/30/14
 Date

Attachments appear in the following order:

1. Effects Evaluation
2. Correspondence and Report Coordination
3. Public Information Open House Materials

Preconstruction Status Report

PI Number: 0010413 **SR 43 @ SOAP CREEK 4 MI E OF LINCOLN**

COUNTY: Lincoln **MPO:** No. Urban **PRIORITY CD:** 2
LENGTH (MI): 0.56 **TIP #:** 2026 **DOT DIST:** 10
PROJ NO: Anderson, Bruce G. **MODEL YR:** Bridges **CONG. DIST:** 2
PROJ MGR: **TYPE WORK:** BR REPL **BIKE:** N
AHJD INITIALS: BWS **CONCEPT:** Replacement **MEASURE:** E
OFFICE: Program Delivery **PROG TYPE:** **SUFF:** **53.29**
CONSULTANT: No Consultant, GDOT In-House Design **DESIGN FIRM:** GDOT D2 Design Office

BASELINE LET DAT: 7/15/15 **MGMT LET DATE:** 7/15/15 **Print Date:** 6/24/14
SCHED LET DATE: 5/15/14 **WHO LETS?** GDOT Let **Page:** 9
LIGHTING TYPE: None **LET WITH:**

BASE START	BASE FINISH	TASKS	ACTUAL START	ACTUAL FINISH	%
3/28/12	11/11/12	Concept Development Summary	3/19/12	11/11/12	100
6/29/12	6/29/12	Concept Meeting	6/27/12	6/27/12	100
7/16/12	7/16/12	PM Submit Concept Report	9/14/12	9/14/12	100
11/21/12	11/21/12	Management Concept Approval Complete	11/11/12	11/11/12	100
1/25/13	1/25/13	Public Information Open House Held	8/30/12	8/30/12	100
11/21/12	10/31/13	Environmental Summary	3/1/12	8/1/12	81
12/17/12	12/14/12	Database Summary	5/1/12	9/30/13	100
3/25/13	9/13/13	Preliminary Roadway Plans	4/5/12	6/7/13	100
9/15/14	2/27/15	Preliminary Bridge Design Summary	4/29/13	6/7/13	100
12/27/13	12/27/13	404 Permit Summary	3/19/14	3/19/14	0
12/30/13	2/21/14	FFPR Inspection	12/16/13	2/5/14	100
2/24/14	4/24/14	R/W Plans Preparation			0
3/9/14	12/11/14	R/W Plans Final Approval			0
5/23/14	2/4/14	L & D Approval			0
3/25/13	11/8/13	ROW Acquisition Summary	3/29/13	8/14/13	100
9/16/13	5/28/14	R/W Authorization	6/7/13		39
2/5/14	11/18/14	Soil Survey Summary			0
5/29/14	11/12/14	BFI Report Summary	6/20/13		60
12/26/14	12/26/14	Final Construction Plans			0
4/28/15	4/28/15	Final Bridge Plans Preparation			0
5/18/15	5/18/15	FFPR Inspection			0
		Submit Final Plans			0
		Construction Authorization			0

Bridge: DPD - 4/29/14
Design: (Clayton Sanders) On BL schedule. Working to complete R/W plans and submit for review/approval (upd 4/21/14)
EIS: CE I NotAvd I RecovFY14RWWillCertByJun14 | Pugh 18Jun14
Engr Services: pwr schd 3-19-14
LGPA: NOTIFICATION LETTER SENT TO LINCOLN 5-30-12.
Programming: CONFIRMED EXEMPT PER FHWA 6-1-2014#2 9-2012#3 3-2014
Utility: Need 2nd subs from design (UPD 3-12-14)

Phase	Approved	Proposed	Cost	Fund	Status	Date Auth
PE	2012	2012	\$330,000.00	L1C0	AUTHORIZED	11/28/11
ROW	2014	2015	\$292,740.00	M240	PRECST	
CST	2018	2017	\$4,617,949.46	M240	PRECST	

COST ESTAMTS		STIP AMOUNTS	
Activity	Cost	Activity	Fund
PE	\$330,000.00	5/19/11	
ROW	\$287,000.00	12/18/13	L1C0
CST	\$4,351,596.92	12/18/13	M240
			\$0.00

Disputed Comments

10.23.13 **Updated CST Cost Est = \$4,351,596.92: 12.10.13 **ROW Cost Est = \$287,000.00: 14 ROW(10a)
 4.24.14 Team meeting, revised ecol admn 2 be submitted today, OES to review & submit to FHWA mid next week, diligently pursuing 14 ROW(10a)
 5.9.14 FY14 ROW at major risk due to new stream, needed updated ecol; Ecol adden transmitted to FHWA 5.9.14; waiting on De minimis letter signature frm COE to submit CE for approval & RW auth(10a)

Pre Parcel CT	4	Total Parcel in ROW System:	4	Cond Filed:	0	Acquired by:	DOT	DEEDS CT:	0
Under Review	0	Options Pending:	0	Relocations:	0	Acquisition MGR:	Johnson, Tommy		
Released:	0	Condemnations - Pend:	0	Acquired:	0	RW Cert Date:			

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. , OFFICE
 DATE

P.I. No.
 FROM *for*
 TO Lisa L. Myers, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

CONSTRUCTION \$

RIGHT OF WAY \$

UTILITIES \$

LAST ESTIMATE UPDATE

DATE

DATE

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

* Costs contain % Engineering and Inspection

REASON FOR COST INCREASE

Annual Updated Cost Estimate; Previous CST Cost estimate is not available to compare the CST Cost increase.

CONTINGENCY SUMMARY

Construction Cost Estimate: \$ (Base Estimate)

Engineering and Inspection: \$ (Base Estimate x %)

Total Liquid AC Adjustment \$ (From attached worksheet)

Construction Total: \$

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

Attachments

PROJ. NO.: LINCOLN
P.I. NO. 0010413
DATE: 12/9/2013

Base Construction Cost	\$	4,006,829.56
E & I	5% \$	200,341.48
Construction Contingency	\$	-
Subtotal Construction Cost	\$	<u>4,207,171.04</u>
Liquid AC Adjustment (50 % cap)	\$	<u>144,425.88</u>
Total Construction Cost	\$	<u>4,351,596.92</u>

PROJ. NO.	LINCOLN	CALL NO.
P.I. NO.	0010413	
DATE	12/9/2013	

INDEX (TYPE) **DATE** **INDEX** Link to Fuel and AC Index:
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.a>

REG. UNLEADED	Dec-13	\$ 3,241
DIESEL		\$ 3,823
LIQUID AC		\$ 559.00

LIQUID AC ADJUSTMENTS

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

Asphalt									
Price Adjustment (PA)									
Monthly Asphalt Cement Price month placed (APM)									143,215.80
Monthly Asphalt Cement Price month project let (APL)								60%	894.40
Total Monthly Tonnage of asphalt cement (TMT)									559.00
									427

ASPHALT	Tons	%AC	AC ton
Leveling	500	5.0%	25
12.5 OGFC		5.0%	0
12.5 mm	0	5.0%	0
9.5 mm SP	3710	5.0%	185.5
25 mm SP	2705	5.0%	135.25
19 mm SP	1625	5.0%	81.25
	8540		427

BITUMINOUS TACK COAT

Price Adjustment (PA)									
Monthly Asphalt Cement Price month placed (APM)									1,210.08
Monthly Asphalt Cement Price month project let (APL)								60%	894.40
Total Monthly Tonnage of asphalt cement (TMT)									559.00
									3.607884774

Bitum Tack		
Gals	gals/ton	tons
840	232.8234	3.60788477

PROJ. NO.
P.I. NO.
DATE

LINCOLN	
0010413	
12/9/2013	

CALL NO.

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA) 0 \$
 Monthly Asphalt Cement Price month placed (APM) \$ 894.40
 Monthly Asphalt Cement Price month project let (APL) \$ 559.00
 Total Monthly Tonnage of asphalt cement (TMT) 0

Max. Cap 60%

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

\$ 144,425.88

**GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 12/6/2013 Project: Preferred Alternate Bridge Repl
 Revised: County: Lincoln
 PI: 0010413

Description: SR 43 over Soap Creek-Bridge Replacement
 Project Termini: SR 43 over Soap Creek-Bridge Replacement

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 2

Land and Improvements _____ \$217,500.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$35,000.00

Valuation Services _____ \$2,000.00

Legal Services _____ \$38,850.00

Relocation _____ \$4,000.00

Demolition _____ \$0.00

Administrative _____ \$24,000.00

TOTAL ESTIMATED COSTS _____ \$286,350.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$287,000.00

Preparation Credits	Hours	Signature

Prepared By: Dathone Alexander CG#: 286999 12/06/2013E)
 Approved By: Dathone Alexander CG#: 286999 12/06/2013E)

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate