

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0011683

**OFFICE** Design Policy & Support

Decatur County

GDOT District 4 - Tifton

**DATE** 4/22/2016

Bridge Replacement: SR 253 @ Spring Creek

**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

Chad Hartley, District Engineer

Brent Thomas, District Preconstruction Engineer

Dennis Carter, District Planning & Programming Engineer

Brad Cleveland, Area Engineer - D4, A3

Sonja Thompson, Project Manager

BOARD MEMBER - 2nd Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE P.I. No. 0011683 OFFICE Program Delivery  
SR 253 @ Spring Creek 12 Mile SW of Bainbridge  
DATE April 5, 2016

FROM: Albert V. Shelby, III, State Program Delivery Engineer *Albert Shelby* *C.A.B.*

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:** The proposed project is to remove and replace the existing two-lane bridge over Spring Creek with a new two-lane bridge offset to the north. The project is located 100% in Decatur County (Congressional District 2), Georgia Militia District 1342, 21st Land District, Land Lots 30 and 31. The total project length is approximately 0.57 miles and is located approximately 12 miles southwest of Bainbridge, Georgia.

*RR* The current bridge will be replaced with a wider bridge consisting of two-12 foot travel lanes and 8 foot shoulder, ~~of which 2 feet is paved, in each direction.~~ The proposed bridge contains three spans and is approximately 270 feet in length. Traffic will be maintained with an on-site detour.

**Concept Approval Date:** November 13, 2014

**Concept Update:** Not Applicable.

**Environmental Document:**

Document Type: Categorical Exclusion      Approval Date: April 4, 2016

**Temporary State Route Needed:**     No     Yes     Undetermined

**Public Involvement:** None needed.

**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: Hiral Patel  
GDOT Director of Engineering

APPROVE: Margaret B. Puckle 4.18.16  
GDOT Chief Engineer Date

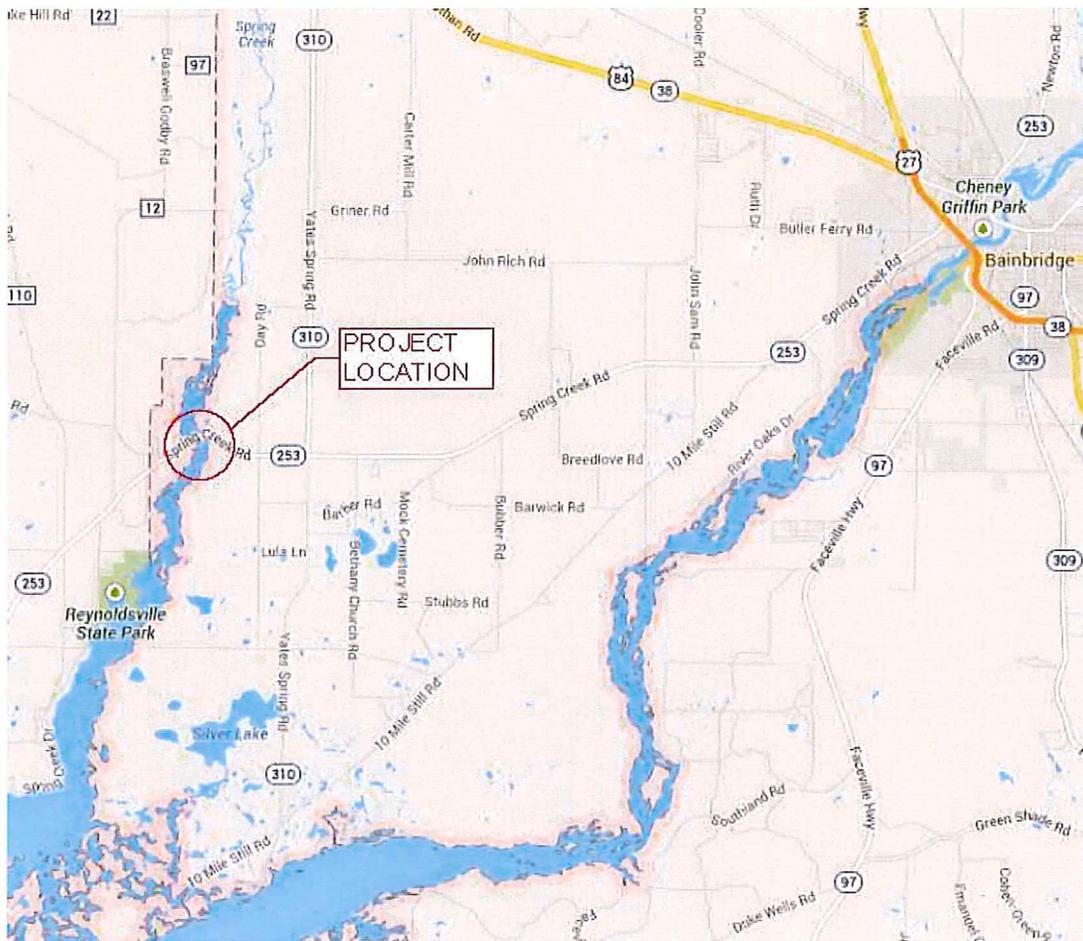
DATE OF LOCATION AND DESIGN APPROVAL: April 22, 2016

AVS:CLB:JMB:SLT

Attachments:

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

**Project Location Map**



**SR 253/Spring Creek Road over Spring Creek**  
**P.I. No. 0011683**  
**Decatur County**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P.I. No. 0011683

**OFFICE** Program Delivery

**PROJECT DESCRIPTION**

SR 253 @ Spring Creek 12 mile SW of Bainbridge

**DATE** October 13, 2015



**From:** Albert V. Shelby, III, State Program Delivery Engineer

**To:** Lisa L. Myers, State Project Review Engineer

**Subject: REVISIONS TO PROGRAMMED COSTS**

**PROJECT MANAGER** Sonja Thompson

**MGMT LET DATE** 8/15/2017

**MGMT ROW DATE** 11/15/2015

**PROGRAMMED COSTS (TPro W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$ 3,597,232.45

DATE 9/26/2014

RIGHT OF WAY \$ 213,000.00

DATE 9/26/2014

UTILITIES \$

DATE

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$ 3,698,057.13

RIGHT OF WAY \$ 213,000.00

UTILITIES \$

\*Cost Contains 5 % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

Updated CES and using a contingency of 5%. Cost increase due to inflation.

## CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	3,300,943.78	Base Estimate From CES
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	165,047.19	Base Estimate (A) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> %
<b>C. CONTINGENCY:</b>	\$	173,299.55	Base Estimate (A) + E & I (B) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> % <a href="#">See % Table in "Risk Based Cost Estimation" Memo</a>
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	58,766.61	Total From Liquid AC Spreadsheet
<b>E. CONSTRUCTION TOTAL:</b>	\$	3,698,057.13	(A + B + C + D = E)

## REIMBURSABLE UTILTY COSTS

UTILITY OWNER	REIMBURSABLE COST
Mitchell EMC	\$17,050.00
<b>TOTAL</b>	<b>\$ 17,050.00</b>

**ATTACHMENTS:**

Detailed Cost Estimate Printout From TRAQS  
Liquid AC Adjustments

JOB ESTIMATE REPORT

JOB NUMBER : 0011683  
 DESCRIPTION: SR253 @ SPRING CREEK  
 SPEC YEAR: 01

COST GROUPS FOR JOB 0011683

COST GROUP	DESCRIPTION	QUANTITY	PRICE	AMOUNT	ACTIVE?
UDEF	TEMPORARY EROSION CONTROL	1.000	127700.00000	127700.00	Y
UDEF	PERMANENT EROSION CONTROL	1.000	127700.00000	127700.00	Y
UDEF	SIGNING AND MARKING	1.000	51100.00000	51100.00	Y
UDEF	DRAINAGE	1.000	51100.00000	51100.00	Y
STRO	STRUCTURES, OTHER (SF)	11677.500	100.00000	1167750.00	Y
ACTIVE COST GROUP TOTAL				1525350.00	
INFLATED COST GROUP TOTAL				1525350.00	

ITEMS FOR JOB 0011683

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - 0011683	1.000	180000.00	180000.00
0010	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	77010.81	77010.81
0014	210-0100		LS	GRADING COMPLETE - 0011683	1.000	150000.00	150000.00
0015	310-1101		TN	GR AGGR BASE CRS, INCL MATL	5600.000	23.92	133961.30
0019	402-1812		TN	RECYL AC LEVELING, INC BM&HL	100.000	106.45	10645.64
0020	402-3121		TN	RECYL AC 25MM SP, GP1/2, BM&HL	2200.000	81.74	179828.42
0029	402-3101		TN	REC AC 9.5 MM SP, TPI, BL 1 INCL BM & HL	850.000	82.00	69700.00
0030	402-3190		TN	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	1100.000	89.99	98991.99
0035	413-1000		GL	BITUM TACK COAT	1200.000	4.76	5718.50
0040	432-5010		SY	MILL ASPH CONC PVMT, VARB DEPTH	374.000	6.97	2608.77
0045	433-1200		SY	REF CONC APPR SL/I SLOPED EDGE	290.000	162.26	47056.00
0050	456-2015		GLM	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	1.000	3633.75	3633.75
0055	522-1000		LS	SHORING	1.000	250000.00	250000.00
0065	641-1100		LF	GUARDRAIL, TP T	100.000	63.50	6350.93
0070	641-1200		LF	GUARDRAIL, TP W	2800.000	19.33	54149.54
0075	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	2.000	911.31	1822.64
0080	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	2.000	2057.74	4115.49
0085	540-1101		LS	REM OF EX BR, STA NO - 0011683	1.000	500000.00	500000.00
ITEM TOTAL							1775593.77
INFLATED ITEM TOTAL							1775593.77

TOTALS FOR JOB 0011683

ESTIMATED COST:	3300943.78
CONTINGENCY PERCENT ( 10.0 ):	330094.38
ENGINEERING AND INSPECTION ( 5.0 ):	165047.19
TOTAL AC AND FUEL ADJUSTMENT:	58766.61
ESTIMATED TOTAL:	3854851.96

PROJ. NO. [REDACTED]  
 P.I. NO. 0011683  
 DATE 9/17/2015

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-15	\$ 2.289
DIESEL		\$ 2.569
LIQUID AC		\$ 450.00

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

**LIQUID AC ADJUSTMENTS**

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

Asphalt

Price Adjustment (PA)				57375	\$	57,375.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	720.00		
Monthly Asphalt Cement Price month project let (APL)			\$	450.00		
Total Monthly Tonnage of asphalt cement (TMT)				212.5		

ASPHALT	Tons	%AC	AC ton
Leveling	100	5.0%	5
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	850	5.0%	42.5
25 mm SP	2200	5.0%	110
19 mm SP	1100	5.0%	55
	<b>4250</b>		<b>212.5</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)				\$ 1,391.61	\$	1,391.61
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	720.00		
Monthly Asphalt Cement Price month project let (APL)			\$	450.00		
Total Monthly Tonnage of asphalt cement (TMT)				5.154121106		

Bitum Tack

Gals	gals/ton	tons
1200	232.8234	5.15412111

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)				0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	720.00		
Monthly Asphalt Cement Price month project let (APL)			\$	450.00		
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
					0

**TOTAL LIQUID AC ADJUSTMENT** \$ 58,766.61

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

FILE

Project No: N/A  
County Decatur  
P.I. # 0011683

OFFICE: Tifton  
DATE: September 16, 2015

Description: **SR 253 @ SPRING CREEK 12 MI SW OF BAINBRIDGE**

  
FROM Tim Warren, P.E., District Utilities Engineer

TO Sonja Thompson , Project Manager (VIA Email)

SUBJECT **UPDATED - UTILITY COST ESTIMATE**

A review of utilities located on the above referenced project has been conducted based on the latest available plans.. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

<u>Utility Owner</u>	<u>Reimbursable</u>	<u>Non-Reimbursable</u>	<u>Estimate Based on</u>
Bellsouth	\$0.00	\$30,250.00	Site Visit / Available Drawings
Georgia Power Company (Distribution)	\$0.00	\$38,500.00	Site Visit / Available Drawings
Three Notch EMC	\$0.00	\$77,000.00	Site Visit / Available Drawings
<b>Total</b>	<b>\$ 0.00</b>	<b>\$145,750.00</b>	

**\*\* Indicates Potential Utility Aid Request from Local Gov't**

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact me or Bill Cooper, Assistant District Utilities Engineer at (229) 386-3288.

c: Abdulvahid Munshi, State Utilities Office  
Lee Upkins, State Utilities Office  
Kerry Gore, State Utilities Office  
Jun Birnkammer, State Utilities Office  
Brent Thomas, District Preconstruction Engineer





# NOTICE OF LOCATION AND DESIGN APPROVAL

Decatur County

PI# 0011683

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 the Location Approval is: April 22, 2016

The proposed project is to remove and replace the existing two-lane bridge over Spring Creek with a new two-lane bridge offset to the north. The project is located 100% in Decatur County (Congressional District 2), Georgia Militia District 1342, 21<sup>st</sup> Land District, Land Lots 30 and 31. The total project length is approximately 0.57 miles and is located approximately 12 miles southwest of Bainbridge, Georgia.

*DEP* The current bridge will be replaced with a wider bridge consisting of two-12 foot travel lanes and 8 foot shoulder, ~~of which 2 feet is paved, in each direction.~~ The proposed bridge contains three spans and is approximately 270 feet in length. Traffic will be maintained with an on-site detour.

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:

Brad Cleveland, Area Engineer  
[bcleveland@dot.ga.gov](mailto:bcleveland@dot.ga.gov)  
734 W. Crawford St  
Donalsonville, GA 39845  
(229)524-5760

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  
Office of Program Delivery  
attn.: Sonja Thompson, Project Manager  
[sthompson@dot.ga.gov](mailto:sthompson@dot.ga.gov)  
One Georgia Center  
600 West Peachtree Street  
Atlanta, GA 30308  
404-631-1758

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.