

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0011676 **OFFICE** Design Policy & Support
Ben Hill County
GDOT District 4 - Tifton **DATE** 12/14/2015
SR 11 @ House Creek 9.5 miles North of
Fitzgerald – Bridge Replacement

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
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Bill DuVall, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Andy Casey, State Roadway Design Engineer
Attn: Clay Bastian, Design Group Manager
Richard Cobb, Location Bureau Chief
Chad Hartley, District Engineer
Brent Thomas, District Preconstruction Engineer
Dennis Carter, District Planning & Programming Engineer
Keith Carver, Area Engineer - D4, A2
Cherral Dempsey, Project Manager
BOARD MEMBER - 8th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0011676, Ben Hill County OFFICE Program Delivery
House Creek 9.5 miles north of Fitzgerald
DATE September 15, 2015

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

TO Brent Story, P.E., Transportation Engineering Administrator
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: This project will replace the substandard bridge on SR 11 over House Creek using a new parallel alignment. The new alignment would be to the west of the existing alignment to avoid a DNR hatchery and Christian school. The project length is approximately 0.85 mile long and located about 9.5 miles north on Fitzgerald in Ben Hill County near the Wilcox County line.

Concept Approval Date: April 14, 2014

Concept Update: There have been no changes to the Concept Report since the Concept Approval.

Environmental Document Type, Approval Date & any Reevaluations: Categorical Exclusion anticipated approval October 2015. *CE approved December 8, 2015.*

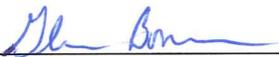
Public Involvement:

- **Public Information Open House:**
No meeting has taken place as of this correspondence.
- **Public Outreach**
No meeting has taken place as of this correspondence.

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:  10.22.15
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: December 14, 2015
(To be entered by the State Conceptual Design Group Manager)

enb

AVS:BWS:KESD:SJD
Attachments:

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

DETAILED COST ESTIMATE



Job: 0011676

JOB NUMBER 0011676

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: US 129/SR 11 OVER HOUSE CREEK (ALTERNATIVE 1)

ITEMS FOR JOB 0011676

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	153-1300	1.000	EA	\$75,408.77576	FIELD ENGINEERS OFFICE TP 3	\$75,408.78
0210	210-0100	1.000	LS	\$200,000.00000	GRADING COMPLETE - OFFSET PARALLEL BRIDGE REPLACEMENT	\$200,000.00
0085	310-5080	9226.000	SY		GR AGGR BS CRS 8IN INCL MATL	
0090	402-3101	1363.000	TN	\$69.70595	REC AC 9.5 MM SP,TPI, BL 1 INCL BM & HL	\$95,009.21
0100	402-3121	2286.000	TN	\$73.39067	RECYL AC 25MM SP,GP1/2,BM&HL	\$167,771.07
0095	402-3190	1524.000	TN	\$84.77453	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$129,196.38
0050	413-1000	194.000	GL	\$3.54774	BITUM TACK COAT	\$688.26
0225	433-1000	280.000	SY	\$150.00000	REINF CONC APPROACH SLAB	\$42,000.00
0025	641-1100	168.000	LF	\$29.52309	GUARDRAIL, TP T	\$4,959.88
0030	641-1200	1987.000	LF	\$25.62870	GUARDRAIL, TP W	\$50,924.23
0035	641-5001	2.000	EA	\$720.21896	GUARDRAIL ANCHORAGE, TP 1	\$1,440.44
0040	641-5012	4.000	EA	\$1,865.37195	GUARDRAIL ANCHORAGE, TP 12	\$7,461.49
0265	643-8200	4870.000	LF	\$1.47256	BARRIER FENCE (ORANGE), 4 FT	\$7,171.37
SUBTOTAL FOR ROADWAY:						\$782,031.11

0020 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0010	540-1101	1.000	LS	\$252,450.00000	REM OF EX BR, STA NO - \$25 PER SQUARE FOOT	\$252,450.00
0220	543-9000	1.000	LS	\$1,122,000.00000	CONSTR OF BRIDGE COMPLETE - \$85 PER SQUARE FOOT PROPOSED BRIDGE	\$1,122,000.00
SUBTOTAL FOR BRIDGE:						\$1,374,450.00

0030 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0135	636-1041	225.000	SF	\$30.43167	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$6,847.13
0015	636-2070	325.000	LF	\$5.26167	GALV STEEL POSTS, TP 7	\$1,710.04
0110	653-1501	5080.000	LF	\$0.81870	THERMO SOLID TRAF ST 5 IN, WHI	\$4,159.00
0115	653-1502	5080.000	LF	\$0.88629	THERMO SOLID TRAF ST, 5 IN YEL	\$4,502.35
0120	654-1001	84.000	EA	\$3.46207	RAISED PVMT MARKERS TP 1	\$290.81
0125	657-1085	610.000	LF	\$5.90689	PRF PL SD PVT MKG,8",B/W,TP PB	\$3,603.20
0130	657-6085	610.000	LF	\$4.84130	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$2,953.19
SUBTOTAL FOR SIGNING & MARKING:						\$24,065.72

DETAILED COST ESTIMATE



Job: 0011676

0040 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0150	603-2024	830.000	SY	\$19.67269	STN DUMPED RIP RAP, TP 1, 24"	\$16,328.33
0155	603-7000	830.000	SY	\$2.44578	PLASTIC FILTER FABRIC	\$2,030.00
0145	700-6910	7.000	AC	\$341.67271	PERMANENT GRASSING	\$2,391.71
0160	700-7000	15.000	TN	\$67.67831	AGRICULTURAL LIME	\$1,015.17
0165	700-8000	8.000	TN	\$579.16851	FERTILIZER MIXED GRADE	\$4,633.35
0170	700-8100	350.000	LB	\$2.22583	FERTILIZER NITROGEN CONTENT	\$779.04
0020	716-2000	6256.000	SY	\$1.09740	EROSION CONTROL MATS, SLOPES	\$6,865.33
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$34,042.93

0050 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0175	163-0232	7.000	AC	\$56.72613	TEMPORARY GRASSING	\$397.08
0180	163-0240	10.000	TN	\$344.54273	MULCH	\$3,445.43
0185	163-0300	6.000	EA	\$1,180.72253	CONSTRUCTION EXIT	\$7,084.34
0270	163-0520	150.000	LF	\$13.65055	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,047.58
0300	163-0527	4.000	EA	\$349.12806	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	\$1,396.51
0280	163-0528	4710.000	LF	\$2.92692	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$13,785.79
0290	163-0541	14.000	EA	\$437.37415	CONSTR & REM ROCK FILTER DAMS	\$6,123.24
0215	165-0030	1865.000	LF	\$0.82054	MAINT OF TEMP SILT FENCE, TP C	\$1,530.31
0285	165-0041	4714.000	LF	\$0.66169	MAINT OF CHECK DAMS - ALL TYPES	\$3,119.21
0195	165-0101	9900.000	EA	\$484.33285	MAINT OF CONST EXIT	\$4,794,895.22
0295	165-0110	14.000	EA		MAINT OF ROCK FILTER DAM	
0200	167-1000	2.000	EA	\$184.61155	WATER QUALITY MONITORING AND SAMPLING	\$369.22
0205	167-1500	12.000	MO	\$408.06444	WATER QUALITY INSPECTIONS	\$4,896.77
0275	170-1000	760.000	LF		FLOAT SILT RETENTION BARRIER	
0180	171-0030	15088.000	LF	\$2.14786	TEMPORARY SILT FENCE, TYPE C	\$32,406.91
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$4,871,497.61

0060 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	441-0303	4.000	EA	\$1,630.52010	CONC SPILLWAY, TP 3	\$6,522.08
0310	550-1180	450.000	LF	\$33.62807	STM DR PIPE 18",H 1-10	\$15,132.63
0305	550-2180	225.000	LF	\$26.69426	SIDE DR PIPE 18",H 1-10	\$6,006.21
SUBTOTAL FOR DRAINAGE:						\$27,660.92

0070 - TRAFFIC CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	150-1000	1.000	LS	\$20,000.00000	TRAFFIC CONTROL - FOR 0011676-PE	\$20,000.00
0250	620-0100	1500.000	LF	\$27.70500	TEMP BARRIER, METHOD NO. 1	\$41,557.50
SUBTOTAL FOR TRAFFIC CONTROL:						\$61,557.50

TOTALS FOR JOB 0011676

DETAILED COST ESTIMATE



Job: 0011676

ITEMS COST:	\$7,175,305.79
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$7,175,305.79
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$7,534,071.08

NOTICE OF LOCATION AND DESIGN APPROVAL

PI 0011676, Ben Hill County

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: December 14, 2015

This project will replace the substandard bridge on SR 11 over House Creek using a new parallel alignment. The new alignment would be to the west of the existing alignment to avoid a DNR hatchery and Christian school. The project length is approximately 0.85 mile long and located about 9.5 miles north on Fitzgerald in Ben Hill County near the Wilcox County line in the 4th Land District.

This Bridge (Structure ID 0 1 7 -0003·0; SR 11 over House Creek) was built in 1954. The bridge consists of eleven spans of steel beams on concrete caps and steel H-piles. The overall condition of this bridge would be classified as poor to fair. Due to the poor condition of the bridge deck the structural integrity of the substructure, replacement of this bridge is proposed.

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:

Keith Carver, Area Engineer
District 4 Area 2
Email: kcarver@dot.ga.gov
Georgia Department of Transportation
1835 South Peterson Avenue
Douglas, Georgia 31535
(912) 389-4737

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
Office of Program Delivery
Attn: Cherral Dempsey
E-mail: cdempsev@dot.ga.gov
Georgia Department of Transportation
One Georgia Center
600 West Peachtree Street, NW
Atlanta, Georgia 30308
(404) 631-1154

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.

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, ECT - Green Sheet
4. Tennessee Valley Authority Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Buffer Variance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1, ECT - Green Sheet
6. Coastal Zone Management Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1
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 checked="" type="checkbox"/>	

F. Section 4(f) Applicability	Yes	No	See Attachment
1. De Minimis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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:



11/23/2015

Todd A. Barker, AICP
 Senior Consultant
 Adrian Collaborative, LLC

Date

Reviewed By:



11/23/15

Shana Miles
 Environmental Planner - NEPA
 Georgia Department of Transportation

Date

Concurred By:

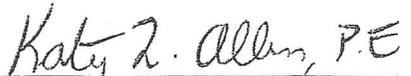


11/25/15

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

Date

Approved By:



12/18/15

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

Date

Attachments appear in the following order:

1. Effects Evaluation
2. Report Coordination & Correspondence