



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0007-00(960), Irwin County OFFICE Program Delivery  
PI 0007960  
CR 252/Frank Road @ Willacoochee River Overflow DATE May 28, 2013  
FROM  Genetha Rice-Singleton, State Program Delivery Engineer  
TO Brent A. Story, P.E., State Design Policy Engineer/ Attn: State Conceptual Design Group Manager  
SUBJECT **Request for Location and Design Approval**

**Description and Project Proposal:** This project is the replacement of the narrow and structurally deficient bridge on County road 252 at Willacoochee River Overflow approximately 2 miles northeast of Ocilla, Georgia, in the 4<sup>th</sup> Land District, Land Lot No. 270, 271 and 272; this project is located in Georgia Militia District 1388. Two 11 ft. travel lanes with 5 ft. shoulders will taper down to the existing 9.5 ft. travel lanes in order to tie-in to the existing roadway. Approximately 460 ft. of guardrail will be used at the proposed bridge locations. The proposed project will be approximately 0.180 miles in length.

**Concept Approval Date:** Original Concept approved on December 14, 2010.

**Concept Update:** No updates to the concept have occurred.

**Environmental Document Type, Approval Date & any Reevaluations:** The Categorical Exclusion was approved on 6/20/13. No reevaluations have been completed to date.

**Public Involvement:**

- Detour Meeting Results:
  - Held July 26, 2011 at the Ocilla Community House located at 711 S. Irwin Ave., Ocilla, Ga.
  - A total of 3 people attended the detour meeting, and a total of 0 comment forms were received.
  - 1 public official attended: Joey Whitley, Chairman of the Irwin County Board of Commissioners

**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: Kjoe Carpenter 6-7-13  
Director of Engineering

APPROVED: Bill R. M. M. 6-14-13  
Chief Engineer Date

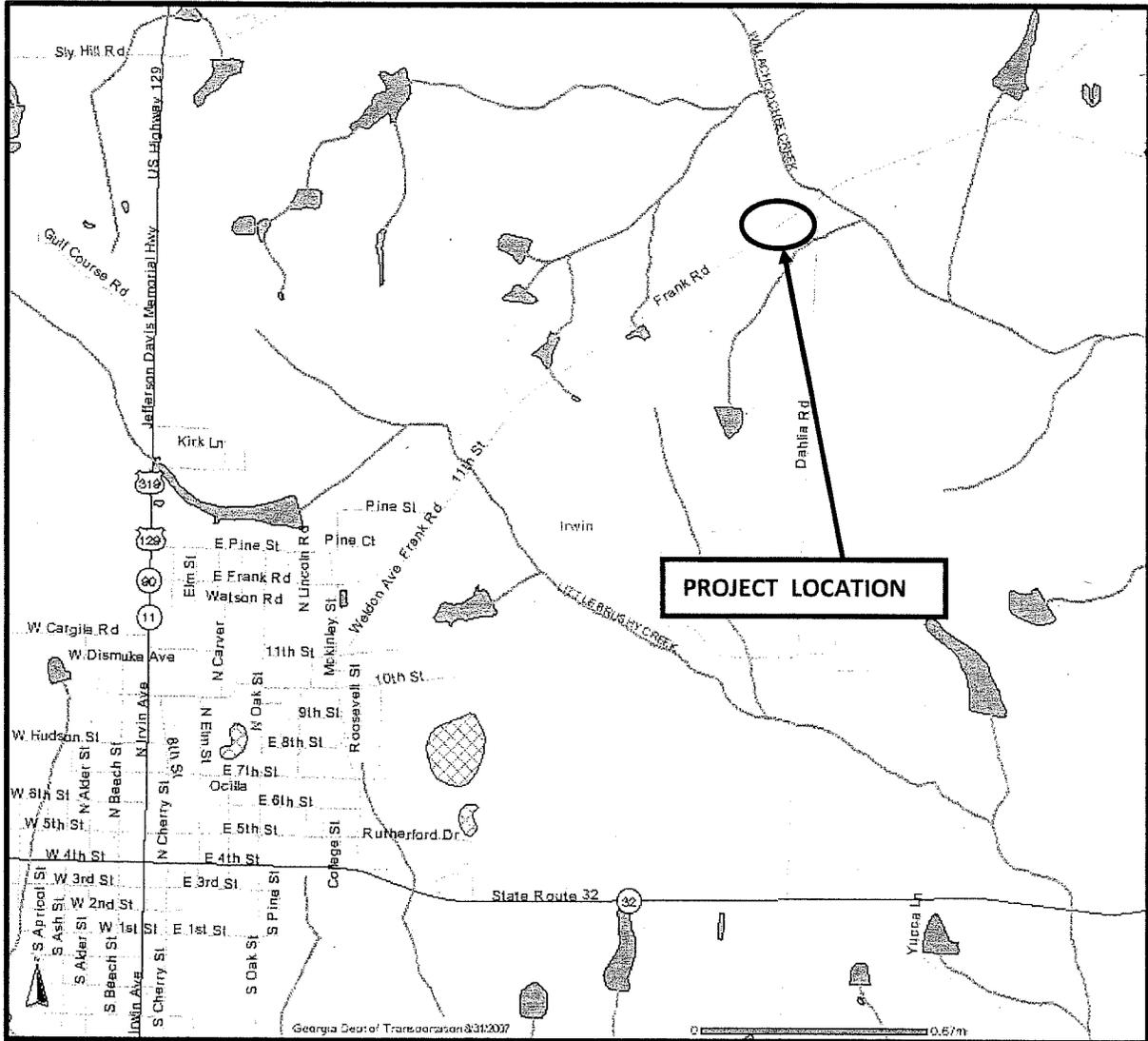
DATE OF LOCATION AND DESIGN APPROVAL: June 26, 2013  
(To be entered by the State Conceptual Design Group Manager)

GRS:AVS:BAM

Attachments:

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

# LOCATION SKETCH



Project No. CSBRG-0007-00(960), Irwin County

PI 0007960

Bridge Replacement: CR 252 @ Willacoochee River Overflow

# NOTICE OF LOCATION AND DESIGN APPROVAL

*Project No. CSBRG-0007-00(960)*

*P. I. NUMBER: 0007960*

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.

Date of Location Approval: June 26, 2013

This project is the replacement of the narrow and structurally deficient bridge on County road 252 at Willacoochee River Overflow approximately 2 miles northeast of Ocilla, Georgia, in the 4<sup>th</sup> Land District, Land Lot No. 270, 271 and 272; this project is located in Georgia Militia District 1388. Two 11 ft. travel lanes with 5 ft. shoulders will taper down to the existing 9.5 ft. travel lanes in order to tie-in to the existing roadway. Approximately 460 ft. of guardrail will be used at the proposed bridge locations. The proposed project will be approximately 0.180 miles in length. 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 2 Engineer  
hcarver@dot.ga.gov  
1835 South Peterson Ave.  
Douglas, GA 31535  
Phone: 912-389-4201

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:

Brent Thomas, District Preconstruction Engineer  
bthomas@dot.ga.gov  
710 West 2<sup>nd</sup> Street  
Tifton, GA 31794  
Phone: 229-386-3300

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

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

-----  
INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No.  ,  OFFICE

DATE

P.I. No.

*Albert Shelby for*

FROM

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

**CONTINGENCY SUMMARY**

Construction Cost Estimate:	\$ 596,452.02	(Base Estimate)
Engineering and Inspection:	\$ 29,822.60	(Base Estimate x 5 %)
Total Liquid AC Adjustment	\$ 4,374.62	(From attached worksheet)
<b>Construction Total:</b>	<b>\$ 630,649.24</b>	

**REIMBURSABLE UTILITY COST**

Utility Owner

Reimbursable Cost

Irwin EMC	0.00
Windstream	0.00

Attachments

# DETAILED COST ESTIMATE



**Job: 0007960**

**JOB NUMBER: 0007960**

**FED/STATE PROJECT NUMBER**

**SPEC YEAR: 01**

**DESCRIPTION: CR 252 OVER WILLACOCHEE RIVER OVERFLOW**

**ITEMS FOR JOB 0007960**

**10 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$10,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(960)	\$10,000.00
0010	210-0100	1.000	LS	\$160,600.00000	GRADING COMPLETE - CSBRG-0007-00(960)	\$160,600.00
0015	310-5080	1297.000	SY	\$15.00000	GR AGGR BS CRS 8IN INCL MATL	\$19,455.00
0024	402-1812	12.000	TN	\$105.13000	RECYL AC LEVELING,INC BM&HL	\$1,261.56
0025	402-3100	90.000	TN	\$92.90000	REC AC 9.5 MM SP,TP1,GP1ORBL1,INCL BM&HL	\$8,361.00
0030	402-3190	143.000	TN	\$90.73000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$12,974.39
0035	413-1000	95.000	GL	\$10.00000	BITUM TACK COAT	\$950.00
0040	433-1200	218.000	SY	\$153.00000	REF CONC APPR SL/ SLOPED EDGE	\$33,354.00
0045	441-0301	4.000	EA	\$1,865.00000	CONC SPILLWAY, TP 1	\$7,460.00
0050	500-3101	2.000	CY	\$855.00000	CLASS A CONCRETE	\$1,710.00
0065	576-1018	195.000	LF	\$33.00000	SLOPE DRAIN PIPE, 18 IN	\$6,435.00
0070	634-1200	8.000	EA	\$115.00000	RIGHT OF WAY MARKERS	\$920.00
0071	641-1100	84.000	LF	\$65.00000	GUARDRAIL, TP T	\$5,460.00
0077	641-1200	324.000	LF	\$17.00000	GUARDRAIL, TP W	\$5,508.00
0081	641-5001	2.000	EA	\$650.00000	GUARDRAIL ANCHORAGE, TP 1	\$1,300.00
0082	641-5012	2.000	EA	\$1,915.00000	GUARDRAIL ANCHORAGE, TP 12	\$3,830.00
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$279,678.96</b>

**20 - EROSION CONTROL PERMANENT**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0087	700-6910	3.000	AC	\$1,000.00000	PERMANENT GRASSING	\$3,000.00
0092	700-7000	9.000	TN	\$65.00000	AGRICULTURAL LIME	\$585.00
0102	700-8000	3.000	TN	\$550.00000	FERTILIZER MIXED GRADE	\$1,650.00
0107	700-8100	150.000	LB	\$4.00000	FERTILIZER NITROGEN CONTENT	\$600.00
<b>SUBTOTAL FOR EROSION CONTROL PERMANENT:</b>						<b>\$6,835.00</b>

**30 - EROSION CONTROL TEMPORARY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0112	163-0232	3.000	AC	\$600.00000	TEMPORARY GRASSING	\$1,800.00
0117	163-0240	41.000	TN	\$250.00000	MULCH	\$10,250.00
0122	163-0300	2.000	EA	\$1,200.00000	CONSTRUCTION EXIT	\$2,400.00
0127	163-0520	155.000	LF	\$15.00000	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,325.00
0242	163-0528	188.000	LF	\$3.00000	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$504.00
0137	163-0529	248.000	LF	\$4.00000	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$992.00
0142	165-0030	1961.000	LF	\$1.00000	MAINT OF TEMP SILT FENCE, TP C	\$1,961.00
0247	165-0041	84.000	LF	\$1.55000	MAINT OF CHECK DAMS - ALL TYPES	\$130.20
0152	165-0071	124.000	LF	\$0.91000	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$112.84
0157	165-0101	2.000	EA	\$500.00000	MAINT OF CONST EXIT	\$1,000.00
0162	167-1000	2.000	EA	\$500.00000	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0167	167-1500	18.000	MO	\$500.00000	WATER QUALITY INSPECTIONS	\$9,000.00
0172	171-0030	3922.000	LF	\$3.00000	TEMPORARY SILT FENCE, TYPE C	\$11,766.00
0176	843-8200	894.000	LF	\$2.56000	BARRIER FENCE (ORANGE), 4 FT	\$2,288.64
<b>SUBTOTAL FOR EROSION CONTROL TEMPORARY:</b>						<b>\$46,629.68</b>

# DETAILED COST ESTIMATE



**Job: 0007960**

**40 - SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0177	636-1020	6.000	SF	\$14.98252	HWY SGN,TP1MAT,REFL SH TP3	\$89.78
0182	636-1033	18.000	SF	\$22.00000	HWY SIGNS, TP1MAT,REFL SH TP 9	\$396.00
0187	636-2070	56.000	LF	\$8.00000	GALV STEEL POSTS, TP 7	\$448.00
0192	652-5451	1180.000	LF	\$0.10000	SOLID TRAF STRIPE, 5 IN, WHITE	\$118.00
0197	652-5452	1180.000	LF	\$0.13000	SOLID TRAF STRIPE, 5 IN, YELLO	\$153.40
0202	654-1001	18.000	EA	\$4.00000	RAISED PVMT MARKERS TP 1	\$72.00
0207	657-1085	120.000	LF	\$7.00000	PRF PL SD PVT MKG,8",B/W,TP PB	\$840.00
0212	657-6085	120.000	LF	\$7.00000	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$840.00
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$2,967.18</b>

**50 - BRIDGE**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0217	540-1101	1.000	LS	\$22,700.00000	REM OF EX BR, STA NO - Y	\$22,700.00
0222	543-9000	1.000	LS	\$180,000.00000	CONSTR OF BRIDGE COMPLETE - Y	\$180,000.00
0227	603-2024	782.000	SY	\$64.00000	STN DUMPED RIP RAP, TP 1, 24"	\$50,688.00
0232	603-7000	782.000	SY	\$4.90000	PLASTIC FILTER FABRIC	\$3,860.80
<b>SUBTOTAL FOR BRIDGE:</b>						<b>\$257,288.80</b>

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0252	109-0300	1.000	**	\$5,282.41000	PRICE ADJ - ASPHALT CEMENT	\$5,282.41
<b>SUBTOTAL FOR :</b>						<b>\$5,282.41</b>

**TOTALS FOR JOB 0007960**

ITEMS COST:	<b>\$596,462.02</b>
COST GROUP COST:	<b>\$0.00</b>
ESTIMATED COST:	<b>\$596,462.02</b>
CONTINGENCY PERCENT:	<b>0.00</b>
ENGINEERING AND INSPECTION:	<b>0.05</b>
ESTIMATED COST WITH CONTINGENCY AND E&I:	<b>\$626,274.62</b>

<b>PROJ. NO.</b>	CSBRG-0007-00(960)
<b>P.I. NO.</b>	0007960
<b>DATE</b>	9/18/2012

CALL NO.

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

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Sep-12	\$ 3.836
DIESEL		\$ 4.068
LIQUID AC		\$ 576.00

**LIQUID AC ADJUSTMENTS**

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

<b>Asphalt</b>							
Price Adjustment (PA)							4233.6
Monthly Asphalt Cement Price month placed (APM)							\$ 921.60
Monthly Asphalt Cement Price month project let (APL)							\$ 576.00
<b>Total Monthly Tonnage of asphalt cement (TMT)</b>							<b>12.25</b>

ASPHALT	Tons	%AC	AC ton
Leveling	12	5.0%	0.6
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	90	5.0%	4.5
25 mm SP		5.0%	0
19 mm SP	143	5.0%	7.15
	<b>245</b>		<b>12.25</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)							
Monthly Asphalt Cement Price month placed (APM)							\$ 141.02
Monthly Asphalt Cement Price month project let (APL)							\$ 921.60
<b>Total Monthly Tonnage of asphalt cement (TMT)</b>							<b>576.00</b>
							0.408034588

Bitum Tack			
Gals	gals/ton	tons	
95	232.8234	0.40803459	



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

Date: 9/13/2012 Project: CSBRG-0007-00(960)  
 Revised: County: Irwin County  
 PI: 0007960

Description: Bridge Replacement  
 Project Termini: Bridge Replacement

Existing ROW: Varies  
 Required ROW: Varies  
 Parcels: 3

Land and Improvements	\$45,600.00
<i>Proximity Damage</i>	<i>\$0.00</i>
<i>Consequential Damage</i>	<i>\$0.00</i>
<i>Cost to Cures</i>	<i>\$0.00</i>
<i>Trade Fixtures</i>	<i>\$0.00</i>
<i>Improvements</i>	<i>\$17,000.00</i>
Valuation Services	\$3,000.00
Legal Services	\$39,525.00
Relocation	\$6,000.00
Demolition	\$0.00
Administrative	\$28,500.00
<b>TOTAL ESTIMATED COSTS</b>	<b>\$122,625.00</b>
<b>TOTAL ESTIMATED COSTS (ROUNDED)</b>	<b>\$123,000.00</b>

Preparation Credits	Hours	Signature

Prepared By: Lashere Alexander CG#: 256999 9/13/2012  
 Approved By: Lashere Alexander CG#: 256999 9/13/2012

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

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: CSBRG-0007-00(960)  
County IRWIN  
P.I. # 0007960

OFFICE: Tifton  
DATE: 10/7/2011

Description: **CR 252/FRANK ROAD @ WILLACOOCHEE RIVER OVERFLOW**

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

TO Rathburn, Randy , Project Manager

SUBJECT UPDATED UTILITY COST ESTIMATE

A review of utilities located on the above referenced project has been conducted . 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>
Irwin Emc	\$0.00	\$30,800.00	Site Visit / Available Drawings
Windstream	\$0.00	\$7,040.00	Site Visit / Available Drawings
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
<b>Total</b>	<b>\$ 0.00</b>	<b>\$ 37,840.00</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 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 Ken Cheek, Utilities Engineer at (229) 386-3288.

TW:KC

  
c: Jeff Baker, P.E., State Utilities Engineer  
Brent Thomas, District Preconstruction Engineer  
Angela Robinson, State Financial Management Administrator