

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0007165
CSBRG-0007-00(165)
Coffee County
GDOT District 4 - Tifton

OFFICE Design Policy & Support

DATE December 20, 2012

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED CONCEPT REPORT

Attached is the approved Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Jeff Baker, State Utilities Engineer
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Ken Thompson, Statewide Location Bureau Chief
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Tim Warren, District Utilities Engineer
Dennis Carter, District Environmentalist
Chad White, Project Manager
BOARD MEMBER - 1st Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT**

Project Type: <u>Bridge Replacement</u>	P.I. Number: <u>0007165</u>
GDOT District: <u>4</u>	County: <u>Coffee</u>
Federal Route Number: <u>N/A</u>	State Route Number: <u>SR 158</u>

Bridge Replacement, SR 158 @ Satilla River 12 Miles West of Douglas.

Submitted for approval:

<u><i>[Signature]</i></u> GDOT Concept/Design Phase Office Head	<u>8-17-12</u> DATE
<u><i>[Signature]</i></u> Office Head (GDOT Project Manager's Office)	<u>8/29/2012</u> DATE
<u><i>[Signature]</i> SR.</u> GDOT Project Manager	<u>8-17-12</u> DATE

Recommendation for approval:

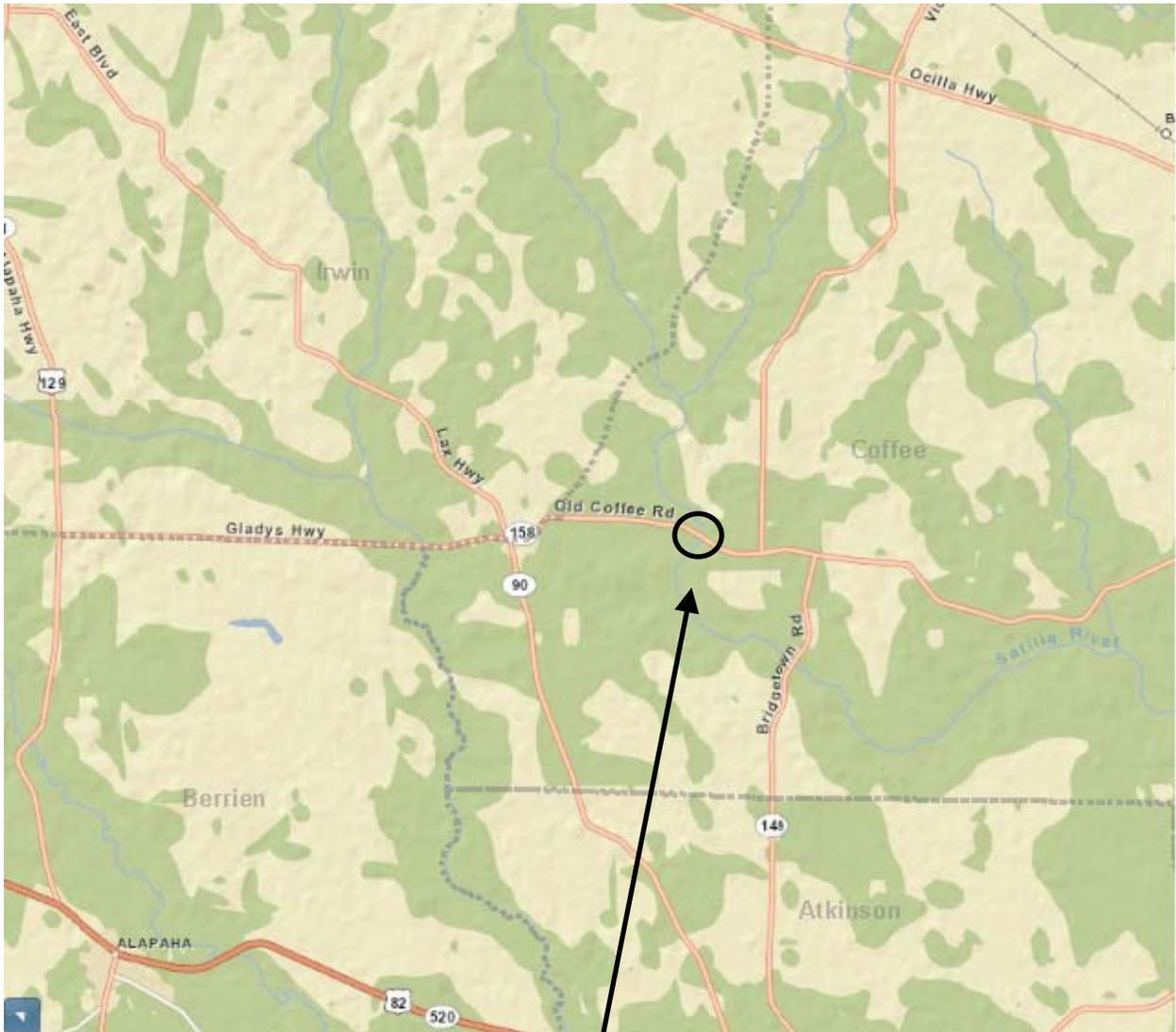
<u><i>[Signature]</i></u> Program Control Administrator	<u>DATE</u> <u>09-07-2012</u>
<u><i>[Signature]</i></u> State Environmental Administrator	<u>DATE</u> <u>09-19-2012</u>
<u><i>[Signature]</i></u> State Traffic Engineer	<u>DATE</u> <u>09-04-2012</u>
<u><i>[Signature]</i></u> Project Review Engineer	<u>DATE</u> <u>09-12-2012</u>
<u><i>[Signature]</i></u> for State Utilities Engineer	<u>DATE</u>
<u><i>[Signature]</i></u> District Engineer	<u>DATE</u> <u>11-06-2012</u>
<u><i>[Signature]</i></u> State Bridge Design Engineer	<u>DATE</u>
<u><i>[Signature]</i></u> State Transportation Financial Management Administrator	<u>DATE</u>

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

<u><i>[Signature]</i></u> State Transportation Planning Administrator (recommendation required)	<u>09-13-2012</u> DATE
--	---------------------------

** Recommendation on file.*

PROJECT LOCATION



PROJECT LOCATION
Structure ID: 069-000038-0
NOT TO SCALE

PLANNING & BACKGROUND DATA

Project Justification Statement:

This bridge (Structure ID 069-0038-0; SR 158 over Satilla River) was built in 1958. The bridge consists of seven spans of reinforced concrete deck girders on concrete caps and concrete piles. This bridge was designed using a truck configuration that weights less than the current state legal truck weights. This structure is currently posted. The overall condition of this bridge would be classified as good to satisfactory; with the deck and substructure showing some minor deterioration considered to be classified as satisfactory. The superstructure members are exhibiting some minor problems. No rehabilitation work performed on the superstructure components would improve this bridge in so far as the posting of the structure is concerned. Due to the structural integrity, based on the design and that the bridge is currently posted, replacement of the bridge is recommended.

Description of the proposed project: This project is the replacement of the existing bridge on SR 158 @ Satilla River approximately 12 miles west of Douglas, Georgia. The current Bridge Sufficiency Rating is 59.37 and will be replaced with a wider bridge that meets current GDOT Guidelines. The proposed approaches will consist of two-12 ft. travel lanes, 8 ft shoulders with 4 ft. paved and open ditches. Traffic will be maintained with an On-site Detour. This project is located in the 5th Land District, Land Lot 246 and GMD 1804. The proposed project will be approximately 0.39 miles in length.

Federal Oversight: Full Oversight Exempt State Funded Other

MPO: N/A MPO - Choose
MPO Project TIP #

Regional Commission: N/A RC – Southern Georgia RC
RC Project ID #

Congressional District(s): 1

Projected Traffic: AADT

Current Year (2009): 675

Open Year (2016): 750

Design Year (2036): 1100

Functional Classification (Mainline): Rural Major Collector

Is this project on a designated bike route? No YES

Is this project located on a pedestrian plan? No YES

Is this project located on or part of a transit network? No YES

CONTEXT SENSITIVE SOLUTIONS

Issues of Concern: *None*

Context Sensitive Solutions: *N/A*

DESIGN AND STRUCTURAL DATA

Mainline Design Features:

Roadway Name/Identification: SR 158

Use additional copies of table below as needed for other major roads, sideroads, etc.

Feature	Existing	Standard*	Proposed
Typical Section			
- Number of Lanes	2	2	2
- Lane Width(s)	12.0'	11'-12'	12.0'
- Median Width & Type	N/A		N/A
- Outside Shoulder Width & Type	4' Grass	8' (4' paved)	8' (4' paved)
- Outside Shoulder Slope	6%	6%	6%
- Inside Shoulder Width & Type	N/A		N/A
- Sidewalks	N/A		N/A
- Auxiliary Lanes	N/A		N/A
- Bike Lanes	N/A		N/A
Posted Speed	55 mph		55 mph
Design Speed	55 mph	55mph	55 mph
Min Horizontal Curve Radius	N/A		N/A
Superelevation Rate	N/A		N/A
Grade	3.48%	7% max (Rolling)	3.47% max
Access Control	By permit	By permit	By permit
Right-of-Way Width	100' – 200'	N/A	140'-200'
Maximum Grade – Crossroad	N/A		N/A
Design Vehicle			
<i>Additional Items as needed</i>			

*According to current GDOT design policy if applicable

Major Structures:

Structure	Existing	Proposed
069-0038-0 SR 158 @ Satilla River, Coffee Co.	252' x 32' Concrete Bridge, two-11 ft. travel lanes with 2 ft shoulders. Sufficiency Rating= 59.37	300' x 36', two-12ft. travel lanes with 8' shoulders.
Detour Bridge	N/A	250' with 11' travel lanes
Other	N/A	N/A

Major Interchanges/Intersections: *N/A*

Utility Involvements: **No facilities**

Public Interest Determination Policy and Procedure recommended (Utilities)? YES NO

SUE Required: Yes No

Railroad Involvement: None

Right-of-Way: Refer to Chapter 3 of GDOT's Design Policy Manual for guidance.

Required Right-of-Way anticipated: YES NO Undetermined
 Easements anticipated: Temporary Permanent Utility Other

Anticipated number of impacted parcels:	4
Anticipated number of displacements (Total):	0
Businesses:	0
Residences:	0
Other:	0

Location and Design approval: Not Required Required

Off-site Detours Anticipated: No Yes Undetermined

Transportation Management Plan Anticipated: YES NO

Design Exceptions to FHWA/AASHTO controlling criteria anticipated:

FHWA/AASHTO Controlling Criteria	YES	Appvl Date (if applicable)	NO	Undetermined
1. Design Speed	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Lane Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Shoulder Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Bridge Width	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Horizontal Alignment	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Superelevation	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Vertical Alignment	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Grade	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Stopping Sight Distance	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Cross Slope	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Vertical Clearance	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Lateral Offset to Obstruction	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Bridge Structural Capacity	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Design Variances to GDOT standard criteria anticipated:

GDOT Standard Criteria	Reviewing Office	Appvl Date (if applicable)		
		YES	NO	Undetermined
1. Access Control - Median Opening Spacing	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Median Usage & Width	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Intersection Skew Angle	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. Lateral Offset to Obstruction	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Intersection Sight Distance	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Bike & Pedestrian Accommodations	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. GDOT Drainage Manual	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. Georgia Standard Drawings	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. GDOT Bridge & Structural Manual	Bridge Design	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. Roundabout Illumination	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Rumble Strips	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Safety Edge	DP&S	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

VE Study anticipated: No Yes Completed – Date:

ENVIRONMENTAL DATA

Anticipated Environmental Document:

GEPA: NEPA: Categorical Exclusion EA/FONSI EIS

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes
 Is the project located in an Ozone Non-attainment area? No Yes

Environmental Permits/Variations/Commitments/Coordination anticipated: *List all anticipated permits, variances, commitments, and coordination needed –Section 404, TVA, Water Quality, etc.*

Permit/ Variance/ Commitment/ Coordination Anticipated	YES	NO	Remarks
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"/>	
4. Tennessee Valley Authority Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5. Buffer Variance	<input type="checkbox"/>	<input type="checkbox"/>	Need survey to determine
6. Coastal Zone Management Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7. NPDES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. FEMA	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9. Cemetery Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10. Other Permits	<input type="checkbox"/>	<input type="checkbox"/>	
11. Other Commitments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Need surveys to determine
12. Other Coordination	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Is a PAR required? No Yes Completed – Date:

NEPA/GEPA: *Early coordination efforts underway; field studies to begin soon.*

Ecology: *To be determined.*

History: *To be determined.*

Archeology: *To be determined.*

Air & Noise: *To be determined.*

Public Involvement: *None*

Major stakeholders: *Traveling public, landowners within project limits*

CONSTRUCTION

Issues potentially affecting constructability/construction schedule: *None*

Early Completion Incentives recommended for consideration: No Yes

PROJECT RESPONSIBILITIES

Project Activities:

Project Activity	Party Responsible for Performing Task(s)
Concept Development	GDOT District 4 Design
Design	GDOT District 4 Design
Right-of-Way Acquisition	GDOT
Utility Relocation	Utility Owners
Letting to Contract	GDOT
Construction Supervision	GDOT
Providing Material Pits	Contractor
Providing Detours	Contractor
Environmental Studies, Documents, & Permits	GDOT Task Order
Environmental Mitigation	GDOT
Construction Inspection & Materials Testing	GDOT

Lighting required: No Yes

Initial Concept Meeting: *N/A*

Concept Meeting: **August 7, 2012**

Other projects in the area: *None*

Other coordination to date: *None*

Project Cost Estimate and Funding Responsibilities: *Add additional rows as necessary; Attach current cost estimates to report.*

	Breakdown of PE	ROW	Utility	CST*	Environmental Mitigation	Total Cost
By Whom	GDOT	GDOT	GDOT	GDOT	GDOT	
\$ Amount	\$357,395.45	\$123,000.00	\$0.00	\$2,689,607.53	\$22,500.00	\$3,192,502.98
Date of Estimate	11/28/2011	8/16/2012	9/27/2012	7/10/2012	8/14/2012	

*CST Cost includes: Construction, Engineering and Inspection, and Liquid AC Cost Adjustment.

ALTERNATIVES DISCUSSION

Alternative selection: The preferred alternative for this project is to replace the existing bridge at the existing location and maintain traffic on an On-Site detour due to the 29 mile detour for through traffic that would be required if an Off-Site detour is used.

Preferred Alternative: <i>Replace bridge at existing location with traffic maintained on an On-site detour.</i>			
Estimated Property Impacts:	4	Estimated Total Cost:	\$2,744,743.73 (RW & Const)
Estimated ROW Cost:	\$123,000.00	Estimated CST Time:	18 Months
Rationale: An On-Site detour is the best alternative due to the lack of on-system roads in the area. Using an Off-Site would require through traffic to be detoured 29 miles. This alternative will also eliminate any interruptions to emergency vehicles and school buses.			

No-Build Alternative:			
Estimated Property Impacts:	\$0.00	Estimated Total Cost:	\$0.00
Estimated ROW Cost:	\$0.00	Estimated CST Time:	0 Months
Rationale: The No-Build Alternative will not address the purpose of the project which is to replace the existing bridge.			

Alternative 1: <i>Replace bridge at existing location and maintain traffic on an Off-site Detour.</i>			
Estimated Property Impacts:	4	Estimated Total Cost:	\$2,094,204.26 (RW & Const)
Estimated ROW Cost:	\$110,000.00	Estimated CST Time:	12 months
Rationale: Using an Off-Site detour will cause through traffic to travel 29 miles along on-system roadways. Due to the length of an Off-Site detour and possible interruptions to emergency vehicles and school buses this alternative was abandoned.			

Comments: There have been three (3) single vehicle accidents within a mile of the bridge since 2009. One involved a collision with a deer and two resulted in the vehicle leaving the roadway. There are no recorded accidents at the bridge.

Attachments:

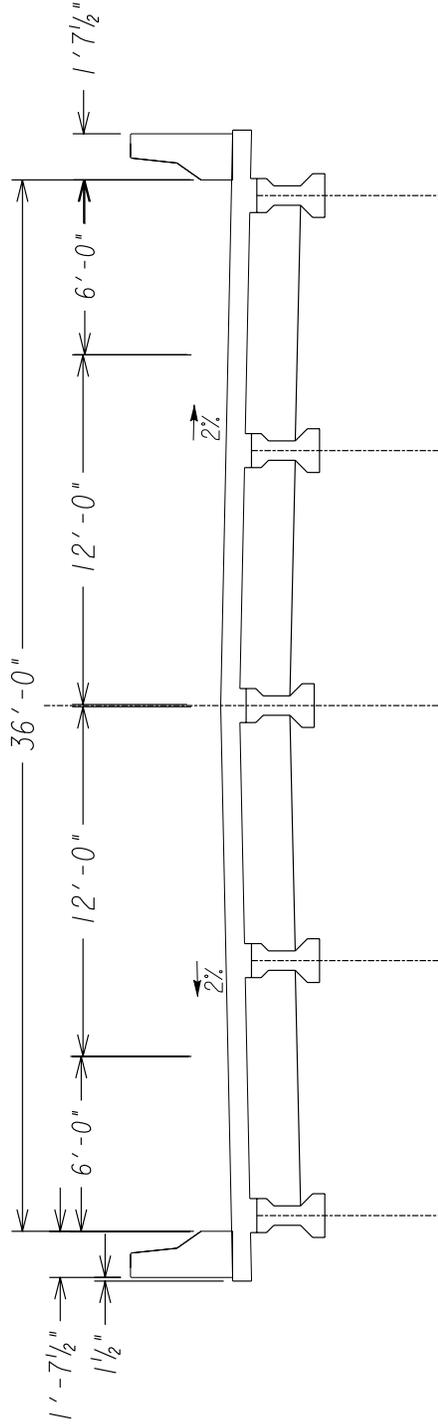
1. Concept Layouts
2. Typical Sections
3. Detailed Cost Estimates
Construction
Fuel & Asphalt Price Adjustment
Right-of-Way
Environmental Mitigation
Utility
4. Traffic Counts
5. Bridge Inventory Report
6. Minutes of Concept Meeting
7. Local Government Responsibilities Letter

APPROVALS

Concur: 
Director of Engineering

Approve: 
Chief Engineer

12/19/12
Date



BRIDGE TYPICAL SECTION

GEORGIA DEPARTMENT OF TRANSPORTATION	NOT TO SCALE	REVISION DATES	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: DISTRICT 4 DESIGN
		BRIDGE REPLACEMENT ON SR 158 OVER SATILLA RIVER	DRAWING No.

DETAILED COST ESTIMATE



Job: 0007165-AG

JOB NUMBER: 0007165-AG

FED/STATE PROJECT NUMBER 0007165

SPEC YEAR: 01

DESCRIPTION: BRIDGE REPLACEMENT ON SR 158 OVER SATILLA RIVER

ITEMS FOR JOB 0007165-AG

0001 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$40,000.00	TRAFFIC CONTROL - TRAFF CONTROL	\$40,000.00
0010	153-1300	1.000	EA	\$76,345.30	FIELD ENGINEERS OFFICE TP 3	\$76,345.30
0015	210-0100	1.000	LS	\$121,019.38	GRADING COMPLETE - GRADE AND COMPLETE	\$121,019.38
0020	310-5080	5402.000	SY	\$17.04	GR AGGR BS CRS 8IN INCL MATL	\$92,068.77
0025	318-3000	45.000	TN	\$34.73	AGGR SURF CRS	\$1,562.98
0030	402-1812	500.000	TN	\$92.61	RECYL AC LEVELING, INC BM&HL	\$46,302.92
0035	402-3103	702.000	TN	\$91.44	REC AC 9.5 MM SP, TP II, GP 2, INCL BM & H L	\$64,189.73
0040	402-3121	1527.000	TN	\$75.45	RECYL AC 25MM SP, GP 1/2, BM&HL	\$115,212.10
0045	402-3190	611.000	TN	\$82.08	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$50,152.44
0050	413-1000	4218.000	GL	\$3.20	BITUM TACK COAT	\$13,484.10
0055	433-1200	310.000	SY	\$216.42	REF CONC APPR SL/I SLOPED EDGE	\$67,091.75
0060	500-3101	4.000	CY	\$846.49	CLASS A CONCRETE	\$3,385.97
0065	550-2180	120.000	LF	\$37.89	SIDE DR PIPE 18", H 1-10	\$4,547.03
0070	550-3618	6.000	EA	\$645.62	SAFETY END SECTION 18", SD, 6:1	\$3,873.71
0075	610-1055	614.000	LF	\$2.07	REM GUARDRAIL	\$1,273.98
0080	610-1075	4.000	EA	\$196.66	REM GUARDRAIL ANCH, ALL TYPES	\$786.65
0085	620-0200	500.000	LF	\$82.29	TEMP BARRIER, METHOD NO. 2	\$41,145.16
0090	634-1200	15.000	EA	\$93.01	RIGHT OF WAY MARKERS	\$1,395.08
0095	641-1100	84.000	LF	\$73.94	GUARDRAIL, TP T	\$6,210.80
0100	641-1200	400.000	LF	\$14.78	GUARDRAIL, TP W	\$5,911.68
0105	641-5001	2.000	EA	\$678.32	GUARDRAIL ANCHORAGE, TP 1	\$1,356.63
0110	641-5012	2.000	EA	\$1,791.43	GUARDRAIL ANCHORAGE, TP 12	\$3,582.86
SUBTOTAL FOR ROADWAY:						\$760,899.02

0002 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	163-0232	7.000	AC	\$861.73	TEMPORARY GRASSING	\$6,032.13
0120	163-0240	21.000	TN	\$341.17	MULCH	\$7,164.49
0125	163-0300	2.000	EA	\$1,918.49	CONSTRUCTION EXIT	\$3,836.98
0130	163-0528	2150.000	LF	\$3.85	CONSTR AND REM FAB CK DAM - TP C SLT FN	\$8,277.50
0135	163-0529	1515.000	LF	\$4.65	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$7,041.13
0140	165-0030	658.000	LF	\$2.04	MAINT OF TEMP SILT FENCE, TP C	\$1,342.06
0145	165-0041	1515.000	LF	\$1.94	MAINT OF CHECK DAMS - ALL TYPES	\$2,939.10
0150	165-0071	758.000	LF	\$1.68	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$1,277.03
0155	165-0101	2.000	EA	\$608.13	MAINT OF CONST EXIT	\$1,216.27
0160	167-1000	18.000	EA	\$984.52	WATER QUALITY MONITORING AND SAMPLING	\$17,721.34
0165	167-1500	2.000	MO	\$1,168.14	WATER QUALITY INSPECTIONS	\$2,336.27
0170	171-0030	3030.000	LF	\$3.63	TEMPORARY SILT FENCE, TYPE C	\$10,992.05
0175	643-8200	1235.000	LF	\$3.21	BARRIER FENCE (ORANGE), 4 FT	\$3,966.73
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$74,143.08

0003 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0180	700-6910	7.000	AC	\$1,452.01	PERMANENT GRASSING	\$10,164.08
0185	700-7000	14.000	TN	\$66.72	AGRICULTURAL LIME	\$934.10
0190	700-8000	6.000	TN	\$377.57	FERTILIZER MIXED GRADE	\$2,265.43
0195	700-8100	350.000	LB	\$3.72	FERTILIZER NITROGEN CONTENT	\$1,302.00
0200	716-2000	2000.000	SY	\$2.19	EROSION CONTROL MATS, SLOPES	\$4,373.20
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$19,038.81

DETAILED COST ESTIMATE



Job: 0007165-AG

0004 - HIGHWAY SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0205	636-1020	24.000	SF	\$18.02	HWY SGN,TP1MAT,REFL SH TP3	\$432.41
0210	636-1033	30.000	SF	\$20.22	HWY SIGNS, TP1MAT,REFL SH TP 9	\$606.51
0215	636-2070	154.000	LF	\$9.90	GALV STEEL POSTS, TP 7	\$1,525.03
0220	653-1501	2795.000	LF	\$0.56	THERMO SOLID TRAF ST 5 IN, WHI	\$1,574.87
0225	653-3502	2795.000	GLF	\$0.26	THERMO SKIP TRAF ST, 5 IN, YEL	\$735.70
0230	654-1001	44.000	EA	\$4.99	RAISED PVMT MARKERS TP 1	\$219.35
0235	657-1085	700.000	LF	\$6.02	PRF PL SD PVT MKG,8",BW,TP PB	\$4,211.85
0240	657-3086	700.000	GLF	\$3.31	FPR PL SK PVMT MKG,8",B/Y,TPPB	\$2,318.71
SUBTOTAL FOR HIGHWAY SIGNING AND MARKING:						\$11,624.43

0005 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	540-1101	1.000	LS	\$140,000.00	REM OF EX BR, STA NO - MAINLINE BRIDGE	\$140,000.00
0250	541-0001	1.000	LS	\$240,000.00	DETOUR BRIDGE - DETOUR BRIDGE	\$240,000.00
0255	543-9000	1.000	LS	\$1,200,000.00	CONSTR OF BRIDGE COMPLETE - MAINLINE BRIDGE	\$1,200,000.00
0260	603-2024	750.000	SY	\$60.05	STN DUMPED RIP RAP, TP 1, 24"	\$45,035.06
0265	603-7000	750.000	SY	\$8.21	PLASTIC FILTER FABRIC	\$6,158.39
SUBTOTAL FOR BRIDGE:						\$1,631,193.45

TOTALS FOR JOB 0007165-AG

ITEMS COST:	\$2,496,898.79
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$2,496,898.79
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,621,743.73

PI Number: 7165 **County:** COFFEE **Date:** 7/6/2012
Project Number: CSBRG-0007-00(165)

Special Provision , Section 109-Measurement and Payment

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

Reg. Unleaded \$ 3.14 Diesel \$ 3.60 Liquid AC \$ 611.00

LIQUID AC ADJUSTMENTS

Asphalt

Price Adjustment (PA) \$ **61,222.20**
 Monthly Asphalt Cement Price month placed (APM) MAX. CAP 60% \$ 977.60
 Monthly Asphalt Cement Price month project let (APL) \$ 611.00
 Total Monthly Tonnage of Asphalt Cement (TMT) 167

ASPHALT	Tons	%AC	AC ton
Leveling	500	5.0%	25
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	702	5.0%	35.1
25 mm SP	1527	5.0%	76.35
19 mm SP	611	5.0%	30.55
	3340		167

Bituminous Tack Coat

Price Adjustment (PA) \$ **6,641.60**
 Monthly Asphalt Cement Price month placed (APM) MAX. CAP 60% \$ 977.60
 Monthly Asphalt Cement Price month project let (APL) \$ 611.00
 Total Monthly Tonnage of Asphalt Cement (TMT) 18.11673569

Bituminous Tack Coat

Gals	Gals/Ton	Tons
4218	232.8234	18.11674

Bituminous Tack Coat (surface Treatment)

Price Adjustment (PA) \$ -
 Monthly Asphalt Cement Price month placed (APM) MAX. CAP 60% \$ 977.60
 Monthly Asphalt Cement Price month project let (APL) \$ 611.00
 Total Monthly Tonnage of Asphalt Cement (TMT) 0

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

TOTAL LIQUID AC ADJUSTMENTS \$ 67,863.80

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

Date: 8/16/2012 Project: 069-00038-0
 Revised: County: Coffee
 PI: 0007165

Description: Bridge Replacement
 Project Termini: Bridge Replacement

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 4

Land and Improvements _____ \$34,650.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$15,000.00

Valuation Services _____ \$4,000.00

Legal Services _____ \$40,200.00

Relocation _____ \$8,000.00

Demolition _____ \$0.00

Administrative _____ \$35,500.00

TOTAL ESTIMATED COSTS _____ \$122,350.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$123,000.00

Preparation Credits	Hours	Signature

Prepared By: Sharon Alexander CC:# 286999 8/16/2012
 Approved By: Sharon Alexander CC:# 286999 8/16/2012

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

Griffin, Ralph (Sandy)

From: Chamblin, Douglas
Sent: Tuesday, August 14, 2012 9:04 AM
To: Griffin, Ralph (Sandy)
Cc: Carter, Dennis; Westberry, Lisa
Subject: RE: Mitigation Estimate 007165, Coffee County

Sandy,

I would estimate approximately \$22,500 for mitigation on this project. This is a rough estimate assuming 10-15 wetland credits at \$1500 each.

Doug Chamblin
Georgia Department of Transportation
600 West Peachtree Street
Atlanta, GA 30308
(404) 631-1447
dchamblin@dot.ga.gov

From: Griffin, Ralph (Sandy)
Sent: Tuesday, August 14, 2012 8:43 AM
To: Chamblin, Douglas
Cc: Carter, Dennis
Subject: FW: Mitigation Estimate 007165, Coffee County

Doug,

I sent a request to Lisa for a mitigation estimate but she is out of the office. Can you help me with this. (See Below) I have to submit the concept for approval by the 21st of August.

Thanks,

Ralph S. (Sandy) Griffin
District Design Engineer
Georgia Dept. of Transportation
District 4, Tifton
229-386-3618

From: Griffin, Ralph (Sandy)
Sent: Tuesday, August 14, 2012 8:21 AM
To: Westberry, Lisa
Cc: Carter, Dennis
Subject: Mitigation Estimate 007165, Coffee County

Lisa,

I need a Mitigation Estimate for CSBRG-0007-00(165), PI 0007165, Coffee County. (Bridge Replacement on SR 158 @ Satilla River.) I have attached a location map and Plan & Profile sheets for your use. Do I need to send hard copies or will PDF files work. This is needed for Concept submittal for approval.

Let me know if you need additional information.

Thank You,

Ralph S. (Sandy) Griffin
District Design Engineer
Georgia Dept. of Transportation
District 4, Tifton
229-386-3618

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: **CSBRG-0007-00(165)**
 County **COFFEE**
 P.I. # **0007165**

OFFICE: **Tifton**
 DATE: **September 27, 2012**

Description: **SR 158 @ SATILLA RIVER 12 MI WEST OF DOUGLAS**


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

TO Chad White, Project Manager

SUBJECT **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>
NO FACILITIES	\$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	
	\$0.00	\$0.00	
Total	\$ 0.00	\$ 0.00	

**** 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 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

NO BUILD = BUILD
Department of Transportation
State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG- 0007-00(165), Coffee County **OFFICE** Planning
P.I. # 0007165
DATE January 11, 2012

FROM Cindy VanDyke, State Transportation Planning Administrator

TO Bobby Hilliard, P.E., State Program Delivery Engineer
Attention: Chad White

SUBJECT Traffic Assignment for SR 158 @ SATILLA RIVER 12 MI WEST OF DOUGLAS.

We are furnishing estimated Traffic Assignment for the above project as follows:

TC # 0198
2009 ADT = 675
2016 ADT = 750
2036 ADT = 1100
2009 DHV = 60
2016 DHV = 70
2036 DHV = 100
K = 9%
D = 60%
T. = 5.5%
S.U. T = 4%
COMB. T = 1.5%
24-HOUR T. = 6.5%
S.U. = 4.5%
COMB. = 2%

If you have any questions concerning this information please contact Leslie Woods at (404) 631-1773.



Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID: 069-0038-0

Coffee

SUFF. RATING: 59.37

Location & Geography

Structure ID:	069-0038-0	*104 Highway System:	0	Signs & Attachments	
200 Bridge Information:	06	*26 Functional Classification:	07	225 Expansion Joint Type:	02
*6A Feature Int:	SATILLA RIVER	*204 Federal Route Type:	S No: 00591	242 Deck Drains:	1
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	243 Parapet Location:	0
*7A Route No Carried:	SR00158	*110 Truck Route:	0	Height:	0
*7B Facility Carried:	BAKER HIGHWAY	2006 School Bus Route:	1	Width:	0
9 Location:	APP 12 MI W OF DOUGLAS	217 Benchmark Elevation:	0223.46	238 Curb Height:	1
2 Dot District:	4	218 Datum:	3	Curb Material:	1
207 Year Photo:	2011	*19 Bypass Length:	18	239 Handrail	11
*91 Inspection Frequency:	24 Date: 11/02/2011	*20 Toll:	3	*240 Medium Barrier Rail:	0
92A Fract Crit Insp Freq:	0 Date: 02/01/1901	*21 Maintenance:	01	241 Bridge Median Height:	0
92B Underwater Insp Freq:	1 Date: 02/09/2009	*22 Owner:	01	* Bridge Median Width:	0
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	*31 Design Load:	2	230 Guardrail Loc. Dir. Rear:	3
*4 Place Code:	00000	37 Historical Significance:	5	Fwd:	3
*5 Inventory Route(O/U):	1	205 Congressional District:	01	Oppo. Dir. Rear:	0
Type:	3	27 Year Constructed:	1958	Oppo. Fwd:	0
Designation:	1	106 Year Reconstructed:	0000	244 Approach Slab	3
Number:	00158	33 Bridge Medium:	0	224 Retaining Wall:	0
Direction:	0	34 Skew:	00	233 Posted Speed Limit:	55
*16 Latitude:	31 28.4667 HMMS Prefix:SR	35 Structure Flared:	0	236 Warning Sign:	1.00
*17 Longitude:	83 -04.6512 HMMS Suffix:00 MP-4.26	38 Navigation Control:	0	234 Delineator:	1.00
98 Border Bridge:	000%Shared:00	213 Special Steel Design:	0	235 Hazzard Boards:	1
99 ID Number:	0000000000000000	267 Type of Paint:	0	237 Utilities Gas:	00
*100 STRAHNET:	0	*42 Type of Service On:	1	Water:	00
12 Base Highway Network:	1	Type of Service Under:	5	Electric:	00
13A LRS Inventory Route:	691015800	214 Movable Bridge:	0	Telephone:	00
13B Sub Inventory Route:	0	203 Type Bridge:	D	Sewer:	00
101 parallel Structure:	N	259 Pile Encasement	3	247 Lighting Street:	0
*102 Direction of Traffic:	2	*43 Structure Type Main:	1 04	Navigation:	0
*264 Road Inventory Mile Post:	004.25	45 No. Spans Main:	007	Aerial:	0
*208 Inspection Area:	4	44 Structure Type Appr:	0 00	*248 County Continuity No.:	00
Engineer's Initials:	ep	46 No Spans Appr:	0000		
* Location ID No:	069-00158D-004.26E	226 Bridge Curve Horz	0 Vert: 0		
		111 pier Protection	0		
		107 Deck Structure Type:	1		
		108 Wearing Structure Type:	1		
		Membrane Type:	0		
		Deck Protection:	8		



Bridge Inventory Data Listing

Processed Date: 6/20/2012
 Parameters: Bridge Serial Num

Structure ID: 069-0038-0

Programming Data		Measurements:	
201 Project No:	S-591 (2)	000650	Year: 2010
202 Plans Available:	4	109% Trucks:	0
249 Prop Proj No:	BRG-0007-00(165)	* 28 Lanes On:	02 Under: 00
250 Approval Status:	0000	210 No. Tracks On:	00 Under: 00
251 PI Number:	0007165	* 48 Max. Span Length:	0036
252 Contract Date:	02/01/1901	* 49 Structure Length:	252
260 Seismic No:	00000	51 Br. Rwdy. Width:	25.90
75 Type Work:	00 0	52 Deck Width:	31.90
94 Bridge Imp. Cost:	\$700	* 47 Tot. Horiz. Cl:	26
95 Roadway Imp. Cost:	50	50 Curb / Sidewalk Width:	2.00 / 2.00
96 Total Imp Cost:	750	32 Approach Rdwy. Width:	022
76 Imp Length:	000000	* 29 Shoulder Width:	4.90 Type: 8 Rt: 4.50
97 Imp Year:	0000	Rear Lt:	5.80 Type: 8 Rt: 4.70
114 Future ADT:	000975 Year: 2030	Fwd. Lt:	
Hydraulic Data			
215 Waterway Data:		Permanent Width:	
High Water Elev:	0215.4 Year: 1973	Rear:	21.90 Type: 8
Flood Elev:	0000.0 Freq: 00	Intersection Rear:	23.80 Type: 2
Avg Streambed Elev:	0203.7	36 Safety Features Br. Rail:	0 Fwd: 0
Drainage Area:	00000	Transition:	2
Area of Opening:	003845	App. G. Rail:	2
113 Scour Critical:	U	App. Rail End:	2
216 Water Depth:	0.1 Br. Height: 18.4	53 Minimum Cl. Over:	99' 99"
222 Slope Protection:	1	Under:	
221 Slope Protection:	0 Fwd: 0	* 228 Minimum Vertical Cl	
219 Fender System:	0	Act. Odm Dir:	99' 99"
220 Dolphin:	0	Oppo. Dir:	99' 99"
223 Current Cover:	000	Posted Odm. Dir:	00' 00"
Type:	0	Oppo. Dir:	00' 00"
No. Barrels:	0	55 Lateral Undercl. Rt:	N 0 0
* Width:	0.00 Height: 0.00	56 Lateral Undercl. Lt:	0.00
* Length:	0 Apron: 0	* 10 Max Min Vert Cl:	99' 99" Dir: 0
265 U/W Insp. Area:	2 Diver: WSR	39 Nav Vert Cl:	000 Horiz: 0000
Location ID No:	069-00158D-004.26E	116 Nav Vert Cl Closed:	000
		245 Deck Thickness Main Deck Thick Approach:	6.00
		246 Overlay Thickness:	0.00
		212 Year Last Painted:	Sup: 0000 Sub: 0000
65 Inventory Rating Method:	1	65 Inventory Rating Method:	1
63 Operating Rating Method:	1	63 Operating Rating Method:	1
66 Inventory Type:	2 Rating: 16	66 Inventory Type:	2 Rating: 16
64 Operating Type:	2 Rating: 16	64 Operating Type:	2 Rating: 16
231 Calculated Loads:		231 Calculated Loads:	
H-Modified:	21 1	H-Modified:	21
HS-Modified:	30 0	HS-Modified:	30 0
Type 3:	24 1	Type 3:	24 1
Type 3s2:	39 1	Type 3s2:	39 1
Timber:	33 1	Timber:	33 1
Piggyback:	40 0	Piggyback:	40 0
261 H Inventory Rating:	12	261 H Inventory Rating:	12
262 H Operating Rating:	20	262 H Operating Rating:	20
67 Structural Evaluation:	4	67 Structural Evaluation:	4
58 Deck Condition:	6	58 Deck Condition:	6
59 Superstructure Condition:	7	59 Superstructure Condition:	7
* 227 Collision Damage:	0	* 227 Collision Damage:	0
60A Substructure Condition:	6	60A Substructure Condition:	6
60B Scour Condition:	8	60B Scour Condition:	8
60C Underwater Condition:	6	60C Underwater Condition:	6
71 Waterway Adequacy:	4	71 Waterway Adequacy:	4
61 Channel Protection Cond.:	8	61 Channel Protection Cond.:	8
68 Deck Geometry:	4	68 Deck Geometry:	4
69 UnderClr. Horz/Vert:	N	69 UnderClr. Horz/Vert:	N
72 Appr. Alignment:	7	72 Appr. Alignment:	7
62 Culvert:	N	62 Culvert:	N
Posting Data			
70 Bridge Posting Required:	2	70 Bridge Posting Required:	2
41 Struct Open, Posted, CL:	P	41 Struct Open, Posted, CL:	P
* 103 Temporary Structure:	0	* 103 Temporary Structure:	0
232 Posted Loads:		232 Posted Loads:	
H-Modified:	21	H-Modified:	21
HS-Modified:	00	HS-Modified:	00
Type 3:	24	Type 3:	24
Type 3s2:	39	Type 3s2:	39
Timber:	33	Timber:	33
Piggyback:	00	Piggyback:	00
253 Notification Date:	02/01/1901	253 Notification Date:	02/01/1901
258 Fed Notify Date:	2/1/1901 12:00:00AM	258 Fed Notify Date:	2/1/1901 12:00:00AM

Meeting Minutes

8-07-2012

0007165, Coffee County

Concept Meeting

Attendees

Brent Thomas –District 2 Preconstruction

Chad E. White Sr.-Program Delivery (Project Manager)

Sandy Griffin-District 2 Design Group Leader

Antonio Graves-Roadway Design

Falisa Bradford– Roadway Design

Dennis Carter- Environmental

Donna Garrison-Engineer Services

Darin G. Purvis-Engineer Services

Shane Pridgen-Planning

*Keisha Jackson-Environmental*Attendance by video conference call*

- The Project Manager (PM) Chad E. White introduced the Project P.I. 0007165 bridge replacement SR 158 @ Satilla River 12 MI West of Douglas.
- The PM indicated that the schedule is as follows.
 - Right of Way (R/W) Approval by 4/8/14
 - Management LET date 6/15/2015
- Sandy Griffin gave an overview of the project, went through the concept report, and briefly explained the staging layout. It was clarified during the meeting that the layout shown represents the preferred option using an **onsite detour** method. The offsite detour would be a distance of 25-30 miles.
 - Alternatives were discussed and rationale for preferred alternative along with constraints was mentioned (the need for survey to have a conclusive decision on how project will be staged).
 - Keisha Jackson stated that project site has wetlands around and that wetland mitigation and a 404 permit are expected on this project. No Environmental Justice issues are expected and UST should not be an issue either.
 - Ken Cheek stated that there are no anticipate conflicts with utilities.
 - Sandy Griffin advised that his team needed the ROW concept cost estimate.

- Mr. Chad White closed the meeting.

Action Items:

- ROW concept cost estimate.
- Check into the STIP amounts for UTL and CST Cost.

CONCEPT TEAM MEETING AGENDA

PI 0007165 – Coffee County

August 7, 2011 – 10:00 A.M.

Location: District 4 Office 710 West 2nd Street, Tifton GA 31794

PI 0007165	SR 158 @ Satilla River 12 MI West of Douglas
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1. WELCOME – *Project Manager*
2. INTRODUCTION OF EACH ATTENDEE – *Initiated by Project Manager*
3. PROJECT IDENTIFICATION – *Project Manager*
4. PROJECT DEVELOPMENT SCHEDULE – *Project Manager*
5. FUNCTIONAL CLASSIFICATION – *Roadway Design*
6. NEED AND PURPOSE STATEMENT (*PROJECT JUSTIFICATION*)-
Roadway Design
7. PROPOSED PROJECT DESCRIPTION – PRIMARY ALTERNATE – *Roadway Design*
8. TRAFFIC PROJECTIONS – *Roadway Design*
9. EXISTING TYPICAL SECTION – *Roadway Design*
10. DESIGN CRITERIA – *Roadway Design*
11. MAJOR STRUCTURES – *Roadway Design; Bridge Design*
12. DESIGN VARIANCES/EXCEPTIONS – *Roadway Design*
13. RIGHT OF WAY DISPLACEMENTS/RELOCATIONS - *Roadway Design; Right of Way*

14. UTILITIES – *Roadway Design; Utilities*

**15. ALTERNATES CONSIDERED AND REASONS FOR REJECTION –
*Roadway Design***

**16. LEVEL OF ENVIRONMENTAL ANALYSIS & ENVIRONMENTAL
CONCERNS – *Environmental Svcs; Roadway Design***

- a. HISTORY**
- b. ECOLOGY**
- c. AIR/NOISE**
- d. ARCHAEOLOGY**
- e. COMMUNITY RESOURCES**
- f. ENVIRONMENTAL JUSTICE**
- g. PUBLIC INVOLVEMENT**
- h. PERMITS**
- i. UNDERGROUND STORAGE TANKS**
- j. HAZARDOUS WASTES**

17. OTHER PROJECTS IN AREA – *Roadway Design; Project Manager*

18. ADDITIONAL COMMENTS FROM ATTENDEES

- a. LOCAL GOVERNMENT REPRESENTATIVES**
- b. ENGINEERING SERVICES**
- c. OFFICE OF FINANCIAL MANAGEMENT**
- d. TRAFFIC SAFETY AND DESIGN**
- e. ENVIRONMENTAL /LOCATION**
- f. PLANNING**
- g. DISTRICT**

h. RIGHT OF WAY

i. UTILITIES

- **ELECTRICAL**
- **TELEPHONE**
- **WATER/SEWER**
- **GAS**
- **CABLE**
- **OTHERS**

19. OTHER COMMENTS OR CONCERNS - OPEN DISCUSSION



Department of Transportation

HAROLD E. LINNENKOHL
COMMISSIONER
(404) 656-5206

DAVID E. STUDSTILL, JR., P.E.
CHIEF ENGINEER
(404) 656-5277

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

BUDDY GRATTON, P.E.
DEPUTY COMMISSIONER
(404) 656-5212

EARL L. MAHFUZ
TREASURER
(404) 656-5224

November 29, 2006

Mr. Donnie Graham
Commission Chairman, Coffee County
101 S. Peterson Avenue
Douglas, GA 31533

Dear Chairman Graham:

Subject: Local Government Responsibilities

Project No. CSBRG-0007-00(165) Coffee Co. PI# 0007165
SR 158 @ SATILLA RIVER 12 MI WEST OF DOUGLAS

The Office of Financial Management has added the subject project to the Department's Construction Work Program.

In an effort to improve project delivery, the Department has decided to adopt a new policy in regards to Local Government responsibility and commitment requirements. For projects generated by a State Highway System need, the Department will no longer request upfront Local Government commitments nor require Local Governments to bear costs for third parties. These projects will be classified as "Department Projects" hereon. The Department will assume the eligible costs for all utilities and railroads holding a property interest.

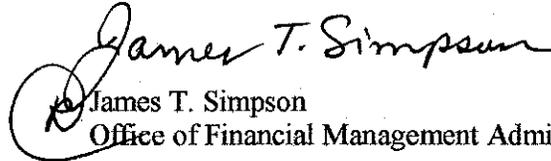
However, utility adjustment / relocation costs associated with any utility that was originally installed within a public right of way shall remain the responsibility of each respective utility owner (Office Code of Georgia Annotated 32-6-171). Please ensure that adequate funding is budgeted for the adjustment / relocation of such utility facilities owned by your Local Government (including any associated Authority's facilities). The Department's District Utilities Office will contact you to determine the potential impacts to your facilities.

Also, in an effort to improve project coordination, the Department strongly urges all Local Governments and associated Authorities that own water and sewer facilities to include such relocation work in the project by notifying the Department's District Utilities Office as early as possible in the project's development.

We hope this new policy will eliminate some of the uncertainties for Local Governments when making early commitments for often unknown costs; and the scheduled delivery of each project will be more reliable.

If you have any questions, feel free to call me at (404) 463-0966 or Joe Sheffield, District Engineer in Tifton at your convenience.

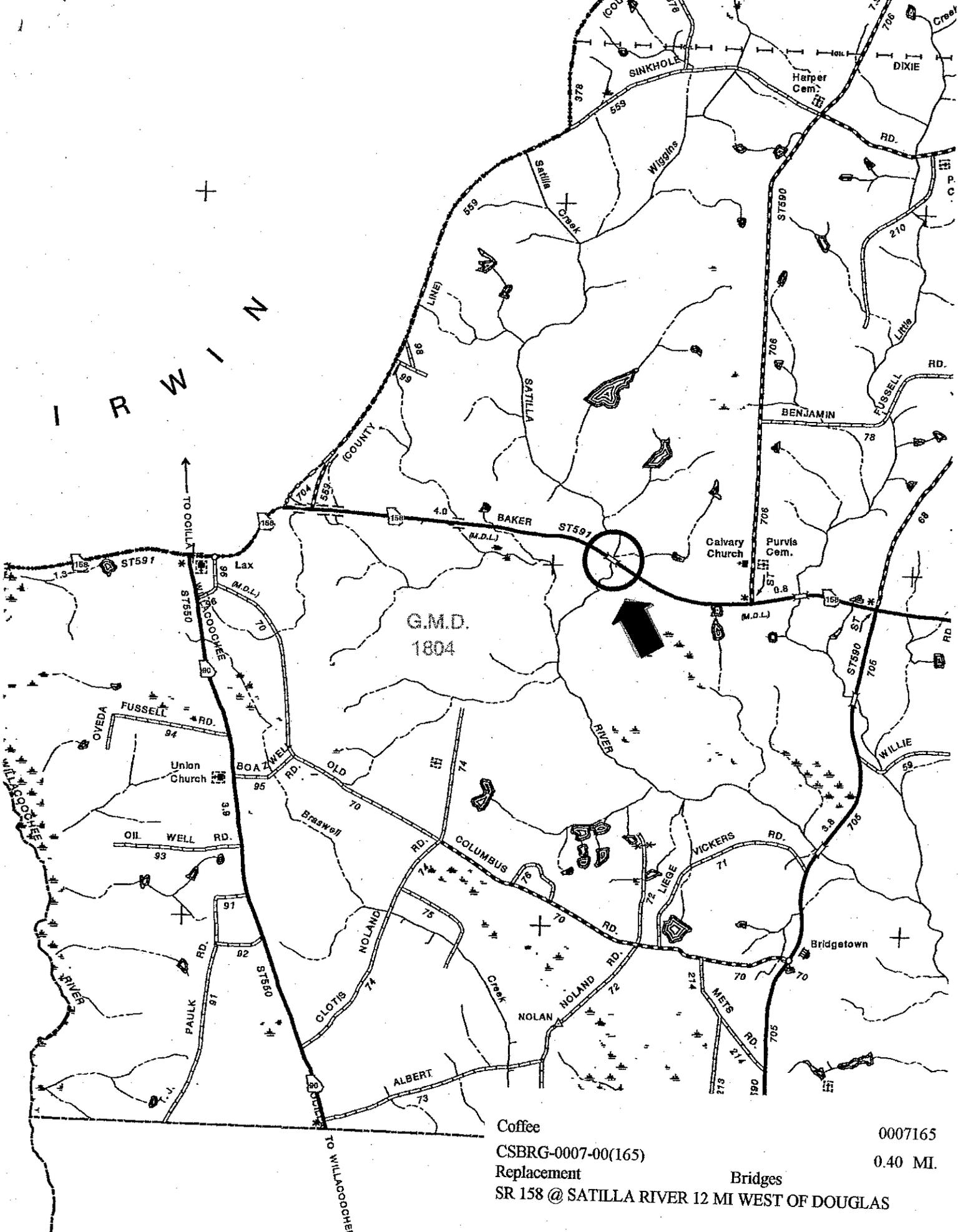
Sincerely yours,



James T. Simpson
Office of Financial Management Administrator

JTS:RR:kp

cc: Joe Sheffield - District 4 Engineer
cc: Tim Warren - District 4 Utilities Engineer
cc: Jeff Baker - State Utilities Engineer
cc: Ralph Griffin - Project Manager, District 4



IRWIN

G.M.D.
1804

Coffee 0007165
 CSBRG-0007-00(165) 0.40 MI.
 Replacement
 Bridges
 SR 158 @ SATILLA RIVER 12 MI WEST OF DOUGLAS