

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0010408 **OFFICE** Design Policy & Support  
GDOT District 4 - Tifton  
Coffee County **DATE** July 12, 2012  
SR 32 @ Hurricane Creek Bridge Replacement

**FROM** *for [Signature]* 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  
Cindy VanDyke, State Transportation Planning Administrator  
Angela Robinson, Financial Management Administrator  
Glenn Bowman, State Environmental Administrator  
Ben Rabun, State Bridge Engineer  
Andy Casey, State Roadway Design Engineer  
Kathy Zahul, State Traffic Engineer  
Georgene Geary, State Materials & Research Engineer  
Lisa Myers, State Project Review Engineer  
Jeff Baker, State Utilities Engineer  
Ken Thompson, Statewide Location Bureau Chief  
Joe Sheffield, District Engineer  
Brent Thomas, District Preconstruction Engineer  
Tim Warren, District Utilities Engineer  
Sandy Griffin, District Design Engineer  
Dennis Carter, District Environmentalist  
Krystal Stovall-Dixon, 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>0010408</u>
GDOT District: <u>4</u>	County: <u>Coffee</u>
Federal Route Number: <u>N/A</u>	State Route Number: <u>SR 32</u>

*Bridge Replacement SR 32 @ Hurricane Creek Approximately 0.4 miles West of Nichols, Georgia.*

Submitted for approval:

<i>[Signature]</i>	<u>5/21/12</u>
GDOT Concept/Design Phase Office Head	DATE
<i>[Signature]</i>	<u>5-22-2012</u>
Office Head (GDOT Project Manager's Office)	DATE
<i>[Signature]</i>	<u>5/22/2012</u>
GDOT Project Manager	DATE

*\* Recommendation on file*  
Recommendation for approval:

Program Control Administrator	DATE
<i>* Glenn Bowman / KLP</i>	<u>5/25/2012</u>
State Environmental Administrator	DATE
<i>* Kathy Zahul / KLP</i>	<u>5/29/2012</u>
State Traffic Engineer	DATE
<i>* Lisa Myers / KLP</i>	<u>5/25/2012</u>
Project Review Engineer	DATE
<i>* Abdulwahid Munshi / KLP</i>	<u>6/4/2012</u>
<i>for</i> State Utilities Engineer	DATE
<i>* Joe Sheffield / KLP</i>	<u>5/24/2012</u>
District Engineer	DATE
<i>* Ben Rabun / KLP</i>	<u>5/25/2012</u>
State Bridge Design Engineer	DATE
State Transportation Financial Management Administrator	DATE

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).

<i>[Signature]</i>	<u>5-25-12</u>
State Transportation Planning Administrator (recommendation required)	DATE

### PROJECT LOCATION



**PROJECT LOCATION**  
Structure ID: 069-0018-0  
NOT TO SCALE

## PLANNING & BACKGROUND DATA

### Project Justification Statement:

This bridge (Structure ID 069-0018-0; SR 32 over Hurricane Creek) was built in 1955. The bridge consists of five spans of steel beams on concrete caps and steel H-piles. The overall condition of this bridge would be classified as poor to satisfactory. The deck is in poor condition due to advanced concrete cracking and deterioration. The superstructure is in satisfactory condition with some minor steel deterioration. The substructure is in satisfactory condition due to some minor concrete cracking. Due to the structural integrity, based on the condition of the bridge deck, replacement of this bridge is recommended.

**Description of the proposed project:** This project is the replacement of the existing bridge on SR 32 @ Hurricane Creek approximately 0.4 miles west of Nichols, Georgia. The current Bridge Sufficiency Rating is 57.57 and will be replaced with a wider bridge that meets current GDOT Guidelines. The proposed approaches will consist of two-12 ft. travel lanes. 10 ft. shoulders with 4ft. paved and open ditches. This project is located in the 6<sup>th</sup> Land District, Land Lot 499 and GMD 1170. The proposed project will be approximately 0.30 miles in length. Traffic will be maintained by an on-site detour.

**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): 4410

Open Year (2017): 5250

Design Year (2037): 7200

**Functional Classification (Mainline):** Rural Minor Arterial

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 32

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

Feature	Existing	Standard*	Proposed
<b>Typical Section</b>			
- Number of Lanes	2	2	2
- Lane Width(s)	12.0'	12.0'	12.0'
- Median Width & Type	N/A		N/A
- Outside Shoulder Width & Type	4' Grass	10' (4' paved)	10' (4' paved)
- Outside Shoulder Slope	6%	6.0%	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	55/45 mph		55/45 mph
Design Speed	N/A	55mph	55 mph
Min Horizontal Curve Radius	N/A		N/A
Superelevation Rate	N/A		N/A
Grade	0.20%	7.0% Max (Rolling)	0.50%
Access Control			
Right-of-Way Width	100.00'-200.00'	N/A	125.00' – 200.00'
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: *(If no major structures on project, N/A and delete table below)*

Structure	Existing	Proposed
069-0018-0 Sr 32 @ Hurricane Creek	135' x 28' Concrete Bridge, two 12ft. travel lanes with 2' shoulders. Sufficiency rating = 59.70	150' x 40' two 12ft. travel lanes with 8' shoulders.
Temporary Detour Bridge	N/A	125' Temporary Detour Bridge located on the North side of existing alignment.
Other	N/A	N/A

**Major Interchanges/Intersections:** *Detour bridge will be located on-site on the North side of current alignment.*

### Utility Involvements:

City of Nichols  
 GA Power Distribution-Power  
 Mediastream-Cable TV  
 Windstream-Phone

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

**SUE Required:**  Yes  No

**Railroad Involvement:** None

**Right-of-Way:**

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

*Note: Location and Design approval is needed for all projects where ROW or easements are to be acquired.*

**Off-site Detours Anticipated:**  No  Yes  Undetermined

*An On-Site detour is needed for this project due to the lack of on system roadways in the area. An Off-site detour would cause through traffic to be detoured 32 miles.*

**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	YES	Appvl Date (if applicable)	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 checked="" 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"/>	

Use this area below the table for more details on Permits/Variances/Commitments/Coordination Anticipated as needed.

Is a PAR required?  No  Yes  Completed – Date:

If PAR has been completed, attach PAR report. Note: A PAR, if required, should be completed prior to Concept Report submission.

**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:** Onsite detour, no detour meeting required.

**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 Office, Consulting firm, Local government, etc.
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:** *May 8, 2012. Meeting was held at the District 4 Office in Tifton, GA. See attached minutes.*

**Other projects in the area:** *PI 0010407, Bridge Replacement on SR 32 @ Bear Creek 4 miles southeast of Ambrose.*

**Other coordination to date:** *Local Government Responsibility letter sent to Coffee County on May 30, 2012 and City of Nichols on June 4, 2012 (See Attachments).*

**Project Cost Estimate and Funding Responsibilities:**

	<b>Breakdown of PE</b>	<b>ROW</b>	<b>Utility</b>	<b>CST*</b>	<b>Environmental Mitigation</b>	<b>Total Cost</b>
By Whom	GDOT	GDOT	GDOT	GDOT	GDOT	
\$ Amount	\$610,920.00	\$121,000.00	\$0.00	\$2,017,290.01	\$35,000.00	\$2,784,210.01
Date of Estimate	5/19/2011	6/6/2012	5/7/2012	5/21/2012	5/21/2012	

\*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 32 mile detour for through traffic that would be required with an Off-site detour.

<b>Preferred Alternative:</b> <i>Replace bridge at existing location with on-site detour.</i>			
<b>Estimated Property Impacts:</b>	<b>4</b>	<b>Estimated Total Cost:</b>	<b>\$2,138,290.01 (RW &amp; Const)</b>
<b>Estimated ROW Cost:</b>	<b>\$121,000.00</b>	<b>Estimated CST Time:</b>	<b>18 months</b>
<b>Rationale:</b> An on-site detour is the best alternative due to the lack of on-system roads in the area. Using an Off-site detour would require through traffic to be detoured 32 miles.			

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

<b>Alternative 1:</b> <i>Replace bridge in same location with off-site detour</i>			
<b>Estimated Property Impacts:</b>	<b>4</b>	<b>Estimated Total Cost:</b>	<b>\$1,200,000.00</b>
<b>Estimated ROW Cost:</b>	<b>\$33,000.00</b>	<b>Estimated CST Time:</b>	<b>12 months</b>
<b>Rationale:</b> Using an off-site detour will cause through traffic to travel an additional 32 miles along on-system roadways due to the lack of State Routes in the area. Due to the length of an off-site detour and possible interruptions to emergency vehicles and school buses this alternative was abandoned.			

**Comments:**

**Attachments:**

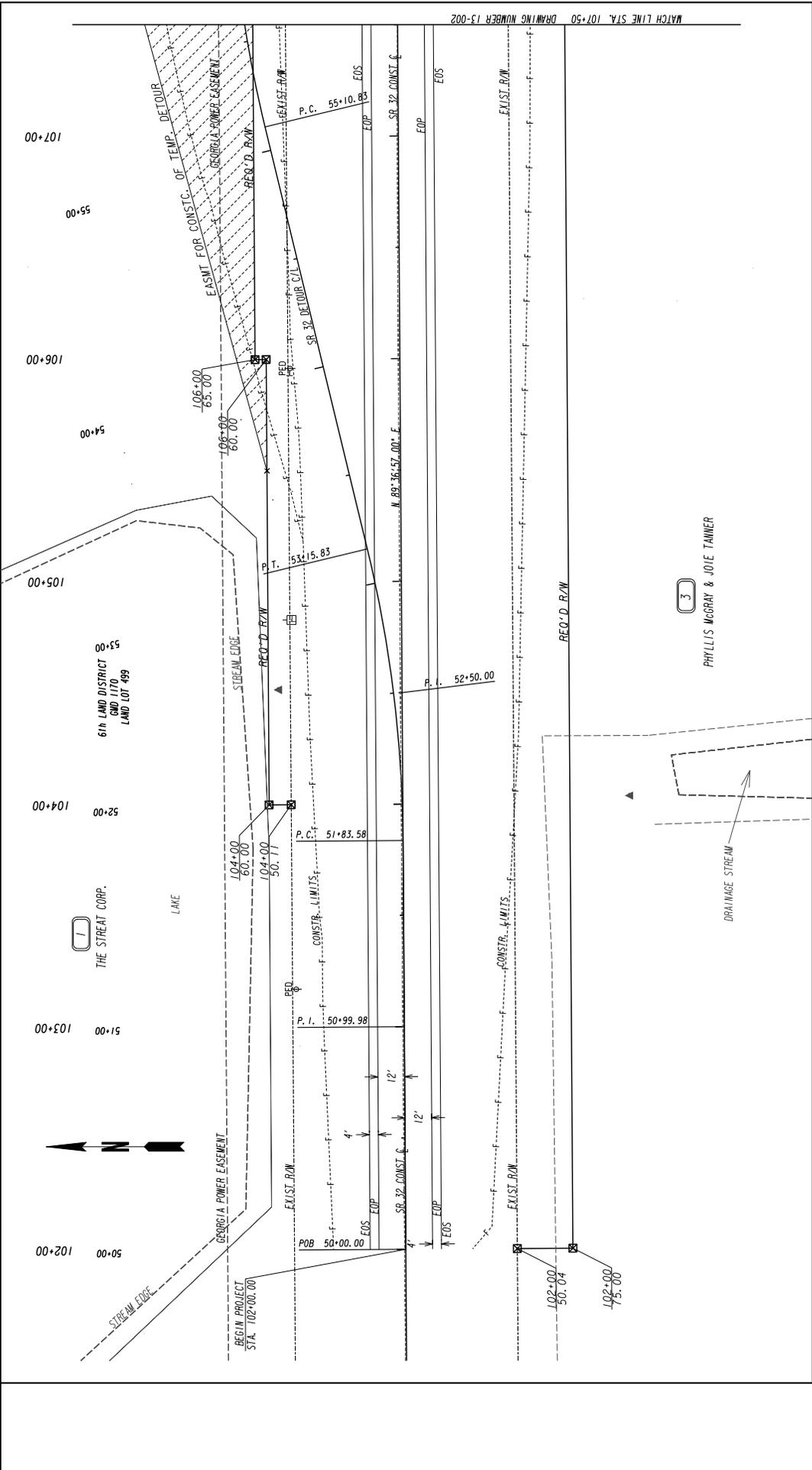
1. Concept Layout
2. Typical sections
3. Detailed Cost Estimates
  - Construction
  - Fuel & Asphalt Price Adjustment
  - Right-of-Way
  - Utilities
  - Environmental Mitigation
4. Traffic Counts
5. Bridge inventory
6. Minutes of Concept Meeting
7. Local Government Responsibilities Letter (City & County)

**APPROVALS**

Concur:   
Director of Engineering

Approve:   
Chief Engineer

7/12/2012  
Date



**PROPERTY AND EXISTING R/W LINE**  
**REQUIRED R/W LINE**  
**CONSTRUCTION LIMITS**  
**EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES**  
**EASEMENT FOR CONSTR OF DRIVES**

BEGIN LIMIT OF ACCESS  
 LIMIT OF ACCESS  
 LIMIT OF ACCESS  
 REQ'D R/W & LIMIT OF ACCESS

BIA  
 ELA

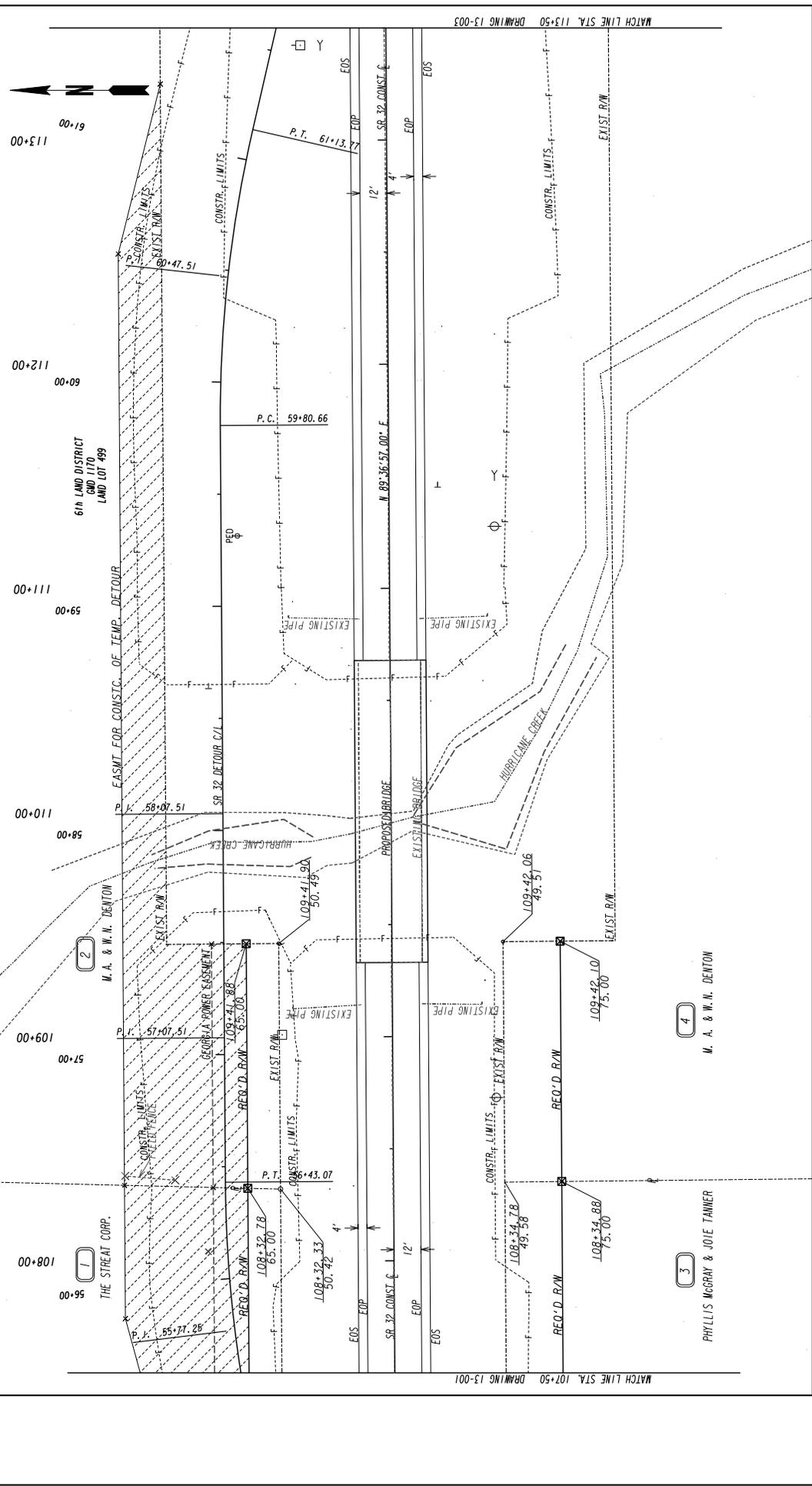
**GEORGIA DEPARTMENT OF TRANSPORTATION**

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: DISTRICT 4 DESIGN  
**MAINLINE PLAN**

REVISION DATES

SCALE IN FEET  
 0 20 40 80

DRAWING NO. 13-001



MATCH LINE STA. 107+50 DRAWING 13-001  
 MATCH LINE STA. 113+50 DRAWING 13-003

PROPERTY AND EXISTING R/W LINE  
 REQUIRED R/W LINE  
 CONSTRUCTION LIMITS  
 EASMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASMENT FOR CONSTR OF SLOPES  
 EASMENT FOR CONSTR OF DRIVES

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

REVISION DATES

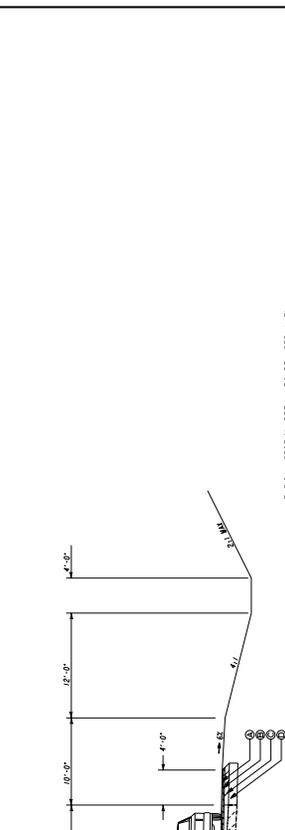
STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: DISTRICT 4 DESIGN  
**MAINLINE PLAN**

SCALE IN FEET  
 0 20 40 80

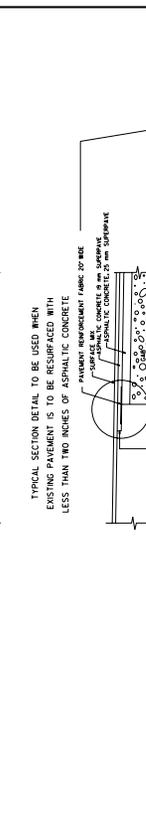
DRAWING NO.  
**13-002**



**TS-1**  
 OVERLAP TANGENT SECTION  
 SR 32  
 STA. 102+00 TO 108+00  
 AND  
 STA. 115+90 TO 118+00



TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE.  
 PAVEMENT REINFORCEMENT FABRIC 20" WIDE, CENTERED ON JOINT.  
 2" ASPHALTIC CONCRETE, 4" MIN. SURFPAVE.  
 4" ASPHALTIC CONCRETE, 8" MIN. SURFPAVE.



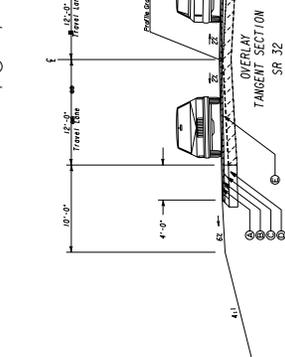
TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE.  
 PAVEMENT REINFORCEMENT FABRIC 20" WIDE, CENTERED ON JOINT.  
 2" ASPHALTIC CONCRETE, 4" MIN. SURFPAVE.  
 4" ASPHALTIC CONCRETE, 8" MIN. SURFPAVE.



WILL EXISTING LINE ONE FOOT WIDE TO BE REPLACED BY A NEW LINE ONE FOOT WIDE TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCEMENT FABRIC.

- ① RETICED BLENDED ASPHALT SURFPAVE, TYPE 11, EP 2 ONLY, INCL. BITUM. MATL. & H. LIME
- ② RETICED BLENDED ASPHALT SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME
- ③ RETICED BLENDED ASPHALT SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME
- ④ 2" ASPHALT CONCRETE, 4" MIN. SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME
- ⑤ 4" ASPHALT CONCRETE, 8" MIN. SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME
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- ⑦ 4" ASPHALT CONCRETE, 8" MIN. SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME

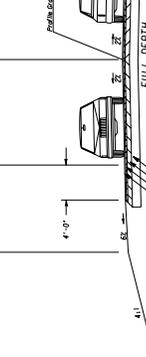
**TS-2**  
 FULL DEPTH TANGENT SECTION  
 SR 32  
 STA. 108+00 TO 109+00  
 AND  
 STA. 111+00 TO 115+90



TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE.  
 PAVEMENT REINFORCEMENT FABRIC 20" WIDE, CENTERED ON JOINT.  
 2" ASPHALTIC CONCRETE, 4" MIN. SURFPAVE.  
 4" ASPHALTIC CONCRETE, 8" MIN. SURFPAVE.

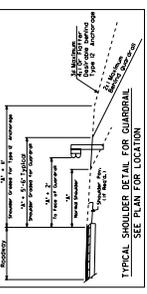


TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE.  
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- ⑦ 4" ASPHALT CONCRETE, 8" MIN. SURFPAVE, EP 1 OR 2, INCL. BITUM. MATL. & H. LIME



SLOPE CONTROLS	
SLOPE CUT	FILL
4:1	0-10'
2:1	OVER 10'

**ALLOWABLE RANGES TABLE**  
 FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

- A. NORMAL CROWN**

SECTION WITH GRADES LESS THAN 0.5%	SECTION WITH GRADES LESS THAN 0.5%
0.0150 FT/FT - MINIMUM	0.0150 FT/FT - MINIMUM
0.0200 FT/FT - DESIRABLE	0.0200 FT/FT - DESIRABLE
0.0250 FT/FT - MAXIMUM	0.0250 FT/FT - MAXIMUM
- B. SUPERELEVATION RATE**  
 S.E. RATE DOWN ON RIMS OR BE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.
- C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE) CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT**

RATE OF CHANGE	MINIMUM	DESIRABLE	MAXIMUM
0.5%	1:150	1:200	1:300
0.55%	1:100	1:150	2:100
0.58%	1:100	1:150	2:100

 LENGTH SHALL BE SET TO AVOID CREATING A FLAT OUTER CORNER ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.
- D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES**

50% OF TRANSITION INSIDE CURVE - MAXIMUM	33% OF TRANSITION INSIDE CURVE - DESIRABLE	20% OF TRANSITION INSIDE CURVE - MINIMUM
1:150	1:200	1:300

 NOTE: CROWN WIPER-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.
- E. STOPPING OF BREAKS IN EDGE SHOULDER AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH 1/16 FEET EQUAL TO THE SPEED DESIGN (IN MPH).**

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 DISTRICT 4 DESIGN  
 TYPICAL SECTIONS

REVISION DATES  
 NOT TO SCALE

**GEORGIA**  
 DEPARTMENT  
 OF  
 TRANSPORTATION

05-001  
 DRAWING NO.

# DETAILED COST ESTIMATE



**Job: 0010408**

**JOB NUMBER:** 0010408

**FED/STATE PROJECT NUMBER**

**SPEC YEAR:** 01

**DESCRIPTION:** BRIDGE REPLACEMENT; SR 32 OVER HURRICANE CREEK  
COFFEE CO.

**ITEMS FOR JOB 0010408**

**0010 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$20,000.00	TRAFFIC CONTROL - 0010408	\$20,000.00
0010	153-1300	1.000	EA	\$67,008.48	FIELD ENGINEERS OFFICE TP 3	\$67,008.48
0015	210-0100	1.000	LS	\$254,828.00	GRADING COMPLETE - 0010408	\$254,828.00
0020	310-5100	7903.000	SY	\$14.17	GR AGGR BS CRS 10IN INCL MATL	\$111,989.30
0025	402-1812	600.000	TN	\$80.99	RECYL AC LEVELING, INC BM&HL	\$48,594.79
0030	402-3103	544.000	TN	\$83.41	REC AC 9.5 MM SP, TPII, GP2, INCL BM & H L	\$45,373.91
0040	402-3121	1431.000	TN	\$74.13	RECYL AC 25MM SP, GP1/2, BM&HL	\$106,085.28
0035	402-3190	870.000	TN	\$85.23	RECYL AC 19 MM SP, GP 1 OR 2, INC BM&HL	\$74,150.93
0045	413-1000	1045.000	GL	\$3.34	BITUM TACK COAT	\$3,485.58
0050	433-1200	284.000	SY	\$141.90	REF CONC APPR SL/I SLOPED EDGE	\$40,298.65
0055	436-1000	660.000	LF	\$7.75	ASPH CONC CURB - 0010408	\$5,113.54
0060	441-0301	4.000	EA	\$1,706.69	CONC SPILLWAY, TP 1	\$6,826.78
0065	446-1100	2500.000	LF	\$3.73	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$9,319.30
0070	500-3101	1.000	CY	\$459.25	CLASS A CONCRETE	\$459.25
0075	500-3200	1.000	CY	\$331.44	CL B CONC	\$331.44
0080	576-1018	192.000	LF	\$32.05	SLOPE DRAIN PIPE, 18 IN	\$6,154.00
0085	620-0100	2000.000	LF	\$27.28	TEMP BARRIER, METHOD NO. 1	\$54,561.36
0090	634-1200	10.000	EA	\$111.69	RIGHT OF WAY MARKERS	\$1,116.92
0095	641-1100	385.000	LF	\$48.53	GUARDRAIL, TP T	\$18,684.05
0100	641-1200	90.000	LF	\$21.63	GUARDRAIL, TP W	\$1,946.71
0105	641-5001	2.000	EA	\$606.41	GUARDRAIL ANCHORAGE, TP 1	\$1,212.82
0110	641-5012	2.000	EA	\$1,827.88	GUARDRAIL ANCHORAGE, TP 12	\$3,655.76
0205	643-8200	400.000	LF	\$1.71	BARRIER FENCE (ORANGE), 4 FT	\$685.45
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$881,882.30</b>

**0020 - EROSION CONTROL PERMANENT**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0115	700-6910	6.000	AC	\$259.23	PERMANENT GRASSING	\$1,555.41
0120	700-7000	18.000	TN	\$55.00	AGRICULTURAL LIME	\$990.06
0125	700-8000	5.000	TN	\$434.04	FERTILIZER MIXED GRADE	\$2,170.22
0130	700-8100	300.000	LB	\$2.95	FERTILIZER NITROGEN CONTENT	\$883.62
0135	716-2000	17788.000	SY	\$1.13	EROSION CONTROL MATS, SLOPES	\$20,150.42
<b>SUBTOTAL FOR EROSION CONTROL PERMANENT:</b>						<b>\$25,749.73</b>

**0030 - EROSION CONTROL TEMPORARY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0140	163-0232	6.000	AC	\$14.07	TEMPORARY GRASSING	\$84.43
0145	163-0240	96.000	TN	\$159.86	MULCH	\$15,346.92
0150	163-0300	4.000	EA	\$1,314.36	CONSTRUCTION EXIT	\$5,257.43
0155	163-0520	240.000	LF	\$12.33	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,958.69
0160	163-0528	360.000	LF	\$3.88	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$1,396.21
0165	163-0529	660.000	LF	\$4.70	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$3,104.94
0170	165-0030	3000.000	LF	\$0.20	MAINT OF TEMP SILT FENCE, TP C	\$601.11
0175	165-0041	180.000	LF	\$0.36	MAINT OF CHECK DAMS - ALL TYPES	\$63.93
0180	165-0071	330.000	LF	\$1.11	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$367.47
0185	165-0101	4.000	EA	\$413.88	MAINT OF CONST EXIT	\$1,655.51
0190	167-1000	2.000	EA	\$236.18	WATER QUALITY MONITORING AND SAMPLING	\$472.37
0195	167-1500	24.000	MO	\$772.11	WATER QUALITY INSPECTIONS	\$18,530.68
0200	171-0030	6000.000	LF	\$3.35	TEMPORARY SILT FENCE, TYPE C	\$20,093.10
<b>SUBTOTAL FOR EROSION CONTROL TEMPORARY:</b>						<b>\$69,932.79</b>

# DETAILED COST ESTIMATE



**Job: 0010408**

**0040 - HIGHWAY SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0210	636-1020	6.000	SF	\$16.01	HWY SGN,TP1MAT,REFL SH TP3	\$96.05
0215	636-1033	50.000	SF	\$18.93	HWY SIGNS, TP1MAT,REFL SH TP 9	\$946.60
0220	636-2070	100.000	LF	\$7.87	GALV STEEL POSTS, TP 7	\$786.99
0225	652-5451	2900.000	LF	\$0.15	SOLID TRAF STRIPE, 5 IN, WHITE	\$426.94
0230	652-6502	1450.000	GLF	\$0.15	SKIP TRAF STRIPE, 5 IN, YELLOW	\$210.99
0235	654-1001	20.000	EA	\$4.45	RAISED PVMT MARKERS TP 1	\$88.93
0240	657-1085	300.000	LF	\$6.00	PRF PL SD PVT MKG,8",B/W,TP PB	\$1,798.79
0245	657-3086	150.000	GLF	\$3.52	FPR PL SK PVMT MKG,8",B/Y,TPPB	\$527.41
<b>SUBTOTAL FOR HIGHWAY SIGNING AND MARKING:</b>						<b>\$4,882.70</b>

**0050 - BRIDGE**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0250	540-1101	1.000	LS	\$108,675.00	REM OF EX BR, STA NO - 0010408	\$108,675.00
0270	541-0001	1.000	LS	\$105,000.00	DETOUR BRIDGE - 0010408	\$105,000.00
0255	543-9000	1.000	LS	\$600,000.00	CONSTR OF BRIDGE COMPLETE - 0010408	\$600,000.00
0260	603-2024	1386.000	SY	\$49.66	STN DUMPED RIP RAP, TP 1, 24"	\$68,827.87
0265	603-7000	1386.000	SY	\$2.59	PLASTIC FILTER FABRIC	\$3,593.44
<b>SUBTOTAL FOR BRIDGE:</b>						<b>\$886,096.31</b>

**TOTALS FOR JOB 0010408**

<b>ITEMS COST:</b>	<b>\$1,868,543.83</b>
<b>COST GROUP COST:</b>	<b>\$0.00</b>
<b>ESTIMATED COST:</b>	<b>\$1,868,543.83</b>
<b>CONTINGENCY PERCENT:</b>	<b>0.00</b>
<b>ENGINEERING AND INSPECTION:</b>	<b>\$93,427.19</b>
<b>ESTIMATED COST WITH CONTINGENCY AND E&amp;I:</b>	<b>\$1,961,970.90</b>

PROJ. NO. [REDACTED]  
 P.I. NO. 0010408  
 DATE 5/17/2012

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Mar-12	\$ 3.670
DIESEL		\$ 4.050
LIQUID AC		\$ 626.00

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

**LIQUID AC ADJUSTMENTS**

PA=[((APM-APL)/APL)-0.05]xTMTxAPL

**Asphalt**

Price Adjustment (PA)				<b>53914.25</b>	<b>\$</b>	<b>53,914.25</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	50%	\$	939.00		
Monthly Asphalt Cement Price month project let (APL)			\$	626.00		
Total Monthly Tonnage of asphalt cement (TMT)				172.25		

ASPHALT	Tons	%AC	AC ton
Leveling	600	5.0%	30
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	544	5.0%	27.2
25 mm SP	1431	5.0%	71.55
19 mm SP	870	5.0%	43.5
	<b>3445</b>		<b>172.25</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)				<b>\$ 1,404.86</b>	<b>\$</b>	<b>1,404.86</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	50%	\$	939.00		
Monthly Asphalt Cement Price month project let (APL)			\$	626.00		
Total Monthly Tonnage of asphalt cement (TMT)				4.488380463		

Bitum Tack

Gals	gals/ton	tons
1045	232.8234	4.48838046

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)				<b>0</b>	<b>\$</b>	<b>-</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	50%	\$	939.00		
Monthly Asphalt Cement Price month project let (APL)			\$	626.00		
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 \$ 55,319.11**

# Department of Transportation State of Georgia

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Interdepartmental Correspondence

**FILE** R/W Cost Estimate **OFFICE** Atlanta  
**DATE** June 06, 2012  
**FROM** Phil Copeland, Right of Way Administrator  
LaShone Alexander, Right of Way Cost Estimator  
**TO** Krystal E. Stovall-Dixon, Project Manager  
**SUBJECT** **Preliminary Right of Way Cost Estimate**  
**Project: Coffee County**  
**P.I. No.: 0010408**  
**Description: Bridge Replacement**

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

If you have any questions, please contact LaShone Alexander at One Georgia Center 600 West Parkway Street, NW Atlanta, GA 30308, Right of Way Office at (478) 553-1569 or (478) 232-4045.

,  
PC: LA  
Attachments  
c: File

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

Date: 6/6/2012 Project: 0010408  
 Revised: County: Coffee  
 PI: 0010408

Description: Bridge Replacement  
 Project Termini: Bridge Replacement

Existing ROW: Varies  
 Required ROW: Varies

Parcels: 4

Land and Improvements \$32,355.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$12,000.00

Valuation Services \$4,000.00

Legal Services \$40,200.00

Relocation \$8,000.00

Demolition \$0.00

Administrative \$35,500.00

TOTAL ESTIMATED COSTS \$120,055.00

**TOTAL ESTIMATED COSTS (ROUNDED) \$121,000.00**

Preparation Credits	Hours	Signature

Prepared By: Hashone Alexander CG#: 286999 DATE: 06/06/2012  
 Approved By: Joshua Alexander CG#: 286999 DATE: 06/06/2012

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE**

Project No: N/A  
County: COFFEE  
P.I. #: 0010408

OFFICE: Tifton  
DATE: May 7, 2012

Description: *SR 32 @ Hurricane Creek Approx. 0.4 miles west of Nichols*

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

TO Krystal Stoval-Dixon, 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>
City of Nichols	\$0.00	\$79,300.00	Site Visit / Available Drawings
Ga power - <i>DISTRIBUTION</i>	\$0.00	\$56,000.00	Site Visit / Available Drawings
Mediastream	\$0.00	\$5,346.08	Site Visit / Available Drawings
Windstream	\$0.00	\$12,128.16	Site Visit / Available Drawings
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
<b>Total</b>	<b>\$ 0.00</b>	<b>\$152,774.240</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 Ken Cheek, Utilities Engineer at (229) 386-3288.

TW:KC

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



## Griffin, Ralph (Sandy)

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**From:** Westberry, Lisa  
**Sent:** Monday, May 21, 2012 11:34 AM  
**To:** Griffin, Ralph (Sandy); Carter, Dennis  
**Subject:** RE: Mitigation Estimate for PI 0010407 and PI 0010408  
**Attachments:** PI 0010408 Wetlands Mapper May212012.pdf; PI 0010407 Wetlands Mapper May212012.pdf

Sandy,

PI 0010407 is located on SR 32 near Ambrose in Coffee County and PI 0010408 is located on SR 32 in Nicholls also in Coffee County. I reviewed the NWI mapping and based on the plans, wetlands, open waters, and possibly streams would be impacted. Mitigation for these impacts would be required. For PI 0010407, the estimated cost for mitigation is \$30,000 and for PI 0010408 the estimated cost is \$35,000.

**DISCLAIMER: This information is solely based on a desk top review of the information available. Only after a field reconnaissance can project impacts be determined and the exact number of credits required for mitigation calculated.**

If you have any questions, please don't hesitate to ask.

Thank you,  
Lisa Westberry  
Georgia Department of Transportation  
600 West Peachtree Street, NW, Atlanta, GA 30308  
404-631-1772

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**From:** Griffin, Ralph (Sandy)  
**Sent:** Monday, May 21, 2012 10:43 AM  
**To:** Carter, Dennis; Westberry, Lisa  
**Subject:** RE: mitigation estimate

Dennis/Lisa,

I have two projects; 0010407 & 0010408 Coffee County. The location map and pdfs of the plan sheets are attached.

Thanks,

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

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**From:** Carter, Dennis  
**Sent:** Monday, May 21, 2012 10:39 AM  
**To:** Griffin, Ralph (Sandy)  
**Subject:** FW: mitigation estimate

FYI....see below.

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**From:** Westberry, Lisa  
**Sent:** Monday, May 21, 2012 10:32 AM



U.S. Fish and Wildlife Service

# National Wetlands Inventory

May 21, 2012



## Wetlands

- Freshwater Emergent
- Freshwater Forested/Shrub
- Estuarine and Marine Deepwater
- Estuarine and Marine
- Freshwater Pond
- Lake
- Riverine
- Other

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

User Remarks:

**NO BUILD = BUILD**  
**Department of Transportation**  
**State of Georgia**

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INTERDEPARTMENT CORRESPONDENCE

**FILE** Coffee County **OFFICE** Planning  
P.I. # 0010408  
**DATE** August 19, 2011

**FROM** Cindy VanDyke, State Transportation Planning Administrator

**TO** Bobby Hilliard, P.E., State Program Delivery Engineer  
**Attention:** Krystal Stovall-Dixon

**SUBJECT** Traffic Assignments for S.R. 32 @ Hurricane Creek Approx. 0.4 Mi. W. of Nichols.

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

	TC#
	0276
2009 AADT	4410
2017 AADT	5250
2037 AADT	7200
2009 DHV	400
2017 DHV	475
2037 DHV	650
D	60%
K	9%
T	9%
S.U.	5.5%
COMB.	3.5%
24 HR. T.	12%
S.U.	7%
COMB.	5%

If you have any questions concerning this information please contact Micheal Word at (404) 631-1959.



# Bridge Inventory Data Listing

## Parameters: Bridge Serial Num

Structure ID: 069-0010-0

Coffee

SUFF. RATING: 56.34

### Location & Geography

<b>Structure ID:</b>	069-0010-0	<b>*104 Highway System:</b>	0	<b>Signs &amp; Attachments</b>	
200 Bridge Information:	06	<b>*26 Functional Classification:</b>	06	225 Expansion Joint Type:	02
*6A Feature Int:	BEAR CREEK	<b>*204 Federal Route Type:</b>	F No: 00361	242 Deck Drains:	1
*6B Critical Bridge:	0	105 Federal Lands Highway:		243 Parapet Location:	0
*7A Route No Carried:	SR00032	*110 Truck Route:	0	Height:	0
*7B Facility Carried:	SR 32	2006 School Bus Route:	1	Width:	0
9 Location:	APP 4 MI SE OF AMBROSE	217 Benchmark Elevation:	0257.79	238 Curb Height:	1
2 Dot District:	4	218 Datum:	1	Curb Material:	1
207 Year Photo:	2011	*19 Bypass Length:	11	239 Handrail	11
*91 Inspection Frequency:	24 Date: 10/18/2011	*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:	0 Date: 02/01/1901	*22 Owner:	01	* Bridge Median Width:	0
92C Other Spc. Insp Freq:	0 Date: 02/01/1901	*31 Design Load:	5	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:	1955	Oppo. Fwd:	0
Designation:	1	106 Year Reconstructed:	0000	244 Approach Slab	3
Number:	00032	33 Bridge Medium:	0	224 Retaining Wall:	0
Direction:	0	34 Skew:	00	233 Posted Speed Limit:	55
*16 Latitude:	31 33.7562 HMMS Prefix:SR	35 Structure Flared:	0	236 Warning Sign:	0.00
*17 Longitude:	82 -59.4737 HMMS Suffix:00 MP-4.23	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:	2	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:	691003200	214 Movable Bridge:	0	Telephone:	00
13B Sub Inventory Route:	0	203 Type Bridge:	E	Sewer:	00
101 parallel Structure:	N	259 Pile Encasement	2	247 Lighting Street:	0
*102 Direction of Traffic:	2	*43 Structure Type Main:	4 02	Navigation:	0
*264 Road Inventory Mile Post:	004.25	45 No. Spans Main:	004	Aerial:	0
*208 Inspection Area:	4 Initials: EFP	44 Structure Type Appr:	0 00	*248 County Continuity No.:	00
Engineer's Initials:	ep	46 No Spans Appr:	0000		
* Location ID No:	069-00032D-004.23E	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: 4/13/2012

Parameters: Bridge Serial Num

Structure ID: 069-0010-0

**Programming Data**

201 Project No: BA (3) 908 (4)  
 202 Plans Available: 4  
 249 Prop Proj No: 00000000000000000000000000000000  
 250 Approval Status: 0000  
 251 PI Number: 00000000  
 252 Contract Date: 02/01/1901  
 260 Seismic No: 000000  
 75 Type Work: 00 0  
 94 Bridge Imp Cost: \$0  
 95 Roadway Imp Cost: 0  
 96 Total Imp Cost: 0  
 76 Imp Length: 000000  
 97 Imp Year: 0000  
 114 Future ADT: 004860 Year: 3930

**Hydraulic Data**

215 Waterway Data:  
 High Water Elev: 0252.1 Year: 1955  
 Flood Elev: 0000.0 Freq: 00  
 Avg Streambed Elev: 0246.7  
 Drainage Area: 00006  
 Area of Opening: 000230  
 113 Scour Critical U  
 216 Water Depth: 0.5 Br Height: 11.1  
 222 Slope Protection: 1  
 221 Slope Protection 0 Fwd: 0  
 219 Fender System 0  
 220 Dolphin: 0  
 223 Current Cover: 000

Type: 0  
 No. Barrels: 0  
 \* Width: 0.00 Height: 0.00  
 \* Length: 0 Apron: 0  
 265 U/W Insp. Area 0 Diver: ZZZ  
 Location ID No: 069-00032D-004.23E

**Measurements:**

\*29 ADT 003240 Year: 3910  
 109% Trucks: 0  
 \*28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \*48 Max. Span Length 0027  
 \*49 Structure Length: 108  
 51 Br. Rwdy. Width 27.80  
 52 Deck Width: 33.80  
 \*47 Tot. Horiz. Cl: 28  
 50 Curb / Sidewalk Width 2.00 / 2.00  
 32 Approach Rdwy. Width 030  
 \*29 Shoulder Width: 3.00 Type: 2 Rt: 3.90  
 Rear Lt: 3.00 Type: 2 Rt: 3.30  
 Fwd. Lt:

**Permanent Width:**

Rear: 23.90 Type: 2  
 23.80 Type: 2  
 Intersection Rear: 0 Fwd: 0

**36 Safety Features Br. Rail:**

Transition: 2  
 App. G. Rail: 2  
 App. Rail End: 2  
 53 Minimum Cl. Over: 99' 99"

**Under:**

\*228 Minimum Vertical Cl  
 Act. Odm Dir: 99' 99"  
 Oppo Dir: 99' 99"  
 Posted Odm. Dir: 00' 00"  
 Oppo Dir: 00' 00"  
 55 Lateral Undercl. Rt: N 0 0  
 56 Lateral Undercl. Lt: 0 0 0  
 \*10 Max Min Vert Cl: 99' 99" Dir: 0  
 39 Nav Vert Cl: 000 Horiz: 0000  
 116 Nav Vert Cl Closed: 000  
 245 Deck Thickness Main Deck Thick Approach: 6.00  
 246 Overlay Thickness: 0.00

65 Inventory Rating Method: 1  
 63 Operating Rating Method: 1  
 66 Inventory Type: 2 Rating: 23  
 64 Operating Type: 2 Rating: 23  
 231 Calculated Loads:  
 H-Modified: 21 0  
 HS-Modified: 30 0  
 Type 3: 32 0  
 Type 3s2: 40 0  
 Timber: 37 0  
 Piggyback: 40 0  
 261 H Inventory Rating: 23  
 262 H Operating Rating 39  
 67 Structural Evaluation: 5  
 58 Deck Condition: 4  
 59 Superstructure Condition: 7  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 6  
 60B Scour Condition: 8  
 60C Underwater Condition N  
 71 Waterway Adequacy: 6  
 61 Channel Protection Cond.: 7  
 68 Deck Geometry: 3  
 69 UnderClr. Horz/Vert: N  
 72 Appr. Alignment: 6  
 62 Culvert: N  
**Posting Data**  
 70 Bridge Posting Required 5  
 41 Struct Open, Posted, CL: A  
 \* 103 Temporary Structure: 0  
 232 Posted Loads  
 H-Modified: 00  
 HS-Modified: 00  
 Type 3: 00  
 Type 3s2: 00  
 Timber: 00  
 Piggyback 00  
 253 Notification Date: 02/01/1901  
 258 Fed Notify Date: 2/1/1901 12:00:00AM

**Department of Transportation  
State of Georgia**

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**Concept Meeting Minutes  
May 8, 2012**

**PI No.                    0010408**

**Description            Bridge Replacement on SR 32 @ Hurricane Creek Approximately  
0.4 miles west of Nichols, Georgia.**

A Concept Team Meeting was held for the subject project on May 8, 2012. The meeting was requested by Krystal Stovall-Dixon, GDOT Project Manager and conducted by Ralph S. Griffin, District Design Engineer. The meeting was held at the GDOT District Office in Tifton and began at 1:00 pm. The meeting began with introductions and Ralph Griffin gave an outline of the Draft Concept Report and opened the floor for discussions.

Dennis Carter, District Environmentalist, stated that the level of the Environmental Document will be a C.E. and a NW 404 permit will be required. A Special Provision 107.23G for the protection of migratory birds will also be required; nest and birds were present at the time of the field visit. Dennis also stated that a buffer variance may be needed if the detour impacts an existing pond on the west end of the project. Other environmental commitments are pending the completion of further studies.

Ken Cheek, District Utility Office stated that due to the amount of utilities present on the north side of the alignment that the on-site detour needs to be placed on the south side of the road.

Ralph Griffin said design would look at it but due to Hurricane Creek running parallel to the alignment on the south side for a short distance that this may not be feasible.

Mike Hudson, City of Douglas said it they had not looked at this project.

Ralph Griffin stated that an on-site detour was needed because an off-site detour would be an additional 32 miles for through traffic due to the lack of state routes in the area.

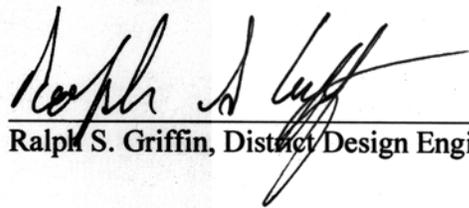
Joe Sheffield, District Engineer, wanted design to verify that an existing bridge in the area on SR 32 was not scheduled for construction during the same timeframe as this project and not scheduled to be closed. If it is it should be let with this project in the same contract.

Van Mason stated that the project would need to be extended enough to allow the striping to be tied in at the end of the project and that narrow bridge signs would need to be installed if it is a narrow bridge.

Krystal Stovall-Dixon, Project Manager, gave the baseline dates for R/W and Letting.

Ralph Griffin showed the concept design to those in attendance and explained the layout of the project.

The meeting adjourned around 1:30 pm.



Ralph S. Griffin, District Design Engineer

# SIGN IN SHEET

**PROJECT NO.:** \_\_\_\_\_  
**P. I. NO.:** 0010407 & 0010408  
**COUNTY:** Coffee  
**DATE:** May 8, 2012  
**TIME:** 1:00 pm

<u>NAME</u>	<u>AGENCY</u>	<u>PHONE NO.</u>
GENO HASTY	GDOT TO	229 386-3435
Krystal Stovall-Dixon	GDOT- Program Delivery	404-631-1572
Mike Hudson	City of Douglas	912-389-3427
Marty Thornton	City of Douglas	912-389-3427
TIM HARRON	GDOT UTILITIES	229-386-3288
DONNA GARRISON	GDOT-ENGINEERING SERVICES	229-386-3466
Dennis Carter	GDOT-Environmental Compliance	229-386-3046
KEN CHEEK	GDOT UTILITIES	229-386-3288
Dennis L. Cook	GDOT Design	229-386-3036
TONY CRAVEY	GDOT - Construction	229 386 3304
Van Mason	GDOT-Traffic	229-386-3435
JOS W. SHEFFIELD	GDOT - TRFON	229-386-3288
BRENT A. THOMAS	GDOT - PRECST	229-386-3500
Ralph S. Griffin	" "	229-386-3618



May 30, 2012

Mr. Jimmy Kitchens  
Commission Chairman, Coffee County  
101 S. Peterson Avenue  
Douglas, GA 31533

Dear Chairman Kitchens:

Subject: Department Project Notification - Local Government Responsibilities

PI# 0010408 Coffee Co.  
SR 32 @ HURRICANE CREEK APPROX 0.4 MI W OF NICHOLS

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's policy for projects identified by the Department and generated by a State Highway System need will no longer require 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 (Official 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 coordinate with 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 utility facilities to include such relocation work into the project.

We hope this 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) 631-1291 or Joe Sheffield, District Engineer in Tifton at your convenience.

Sincerely yours,



Angela Robinson  
Office of Financial Management Administrator

ABR:RR:kp

- cc: Joe Sheffield - District 4 Engineer
- cc: Tim Warren - District 4 Utilities Engineer
- cc: Jeff Baker - State Utilities Engineer
- cc: Krystal E. Stovall Dixon - Project Manager, Program Delivery





May 30, 2012

Honorable Ronnie Maxwell  
Mayor, City of Nicholson  
P. O. Box 365  
Nicholson, GA 30565

Dear Mayor Maxwell:

Subject: Department Project Notification - Local Government Responsibilities

PI# 0010408 Coffee Co.  
SR 32 @ HURRICANE CREEK APPROX 0.4 MI W OF NICHOLS

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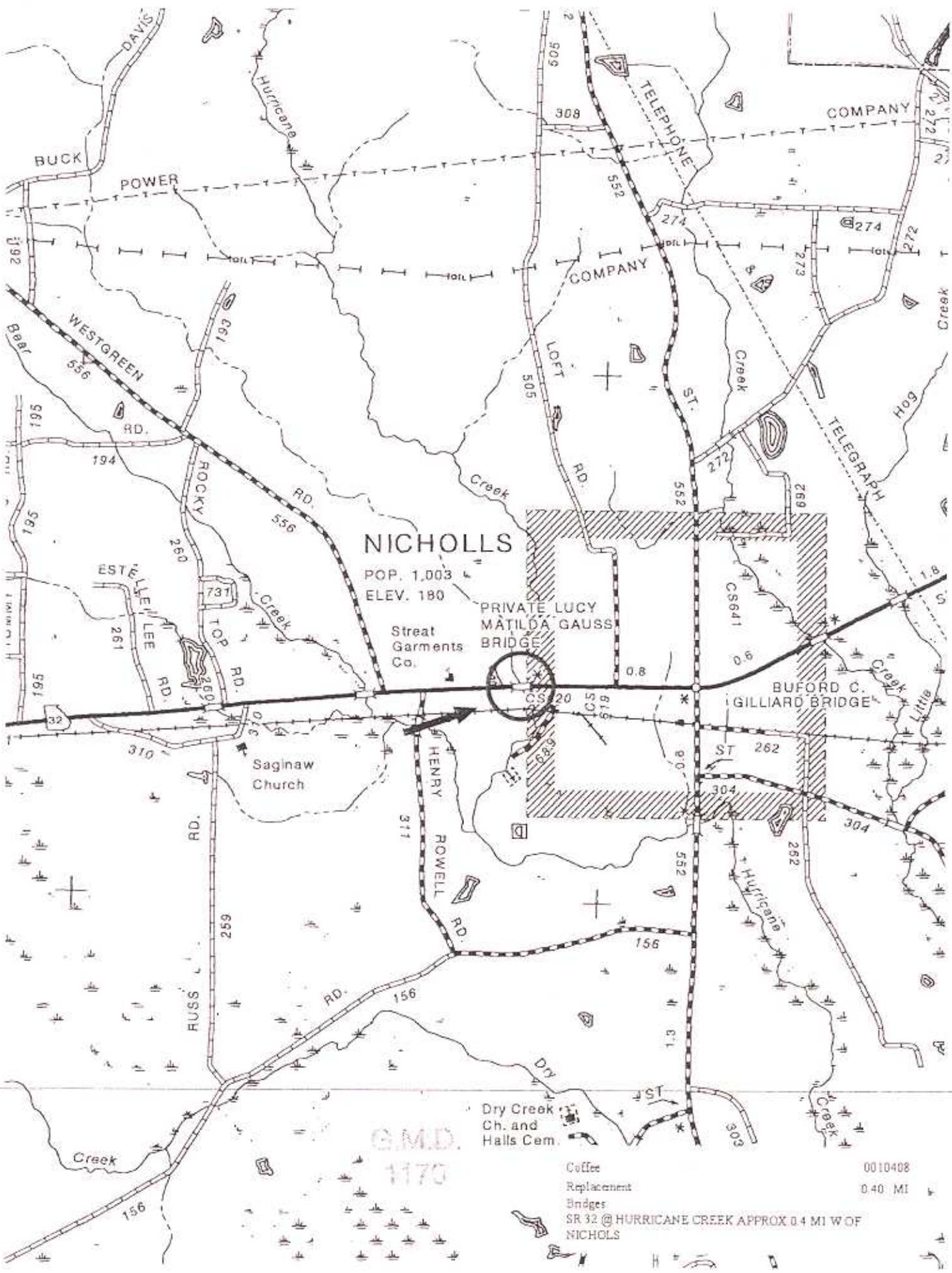
Sincerely yours,



Angela Robinson  
Office of Financial Management Administrator

ABR:RR:kp

- cc: Joe Sheffield - District 4 Engineer
  - cc: Tim Warren - District 4 Utilities Engineer
  - cc: Jeff Baker - State Utilities Engineer
  - cc: Krystal E. Stovall Dixon - Project Manager, Program Delivery
-



G.M.D.  
 1170

Coffee 0010408  
 Replacement 0.40 MI  
 Bridges  
 SR 32 @ HURRICANE CREEK APPROX 0.4 MI W OF NICHOLS