

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #0007154
CSBRG-0007-00(154)
GDOT District 4 - Tifton
Baker County
SR 216 @ Ichawaynochaway Creek

OFFICE Design Policy & Support

DATE January 25, 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:

Genetha Rice-Singleton, Program Control Administrator
Bobby Hilliard, 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, Acting State Project Review Engineer
Jeff Baker, State Utilities Engineer
Ken Thompson, Statewide Location Bureau Chief
Michael Henry, Systems & Classification Branch Chief
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Tim Warren, District Utilities Engineer
Dennis Carter, District Environmentalist
Randy Rathburn, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(154)

County: Baker

P. I. Number: 0007154

Federal Route Number: N/A

State Route Number: 216

Bridge Replacement: SR 216 @ Ichawaynochaway Creek

Submitted for approval:

DATE: 10/13/11

DATE: 9/14/2011



Office Head



Project Manager

Recommendation for approval:

DATE: _____

DATE: 10/17/2011

DATE: 12/27/2011

DATE: 10/25/2011

DATE: 10/17/2011

DATE: 9-14-11

DATE: 12/16/2011

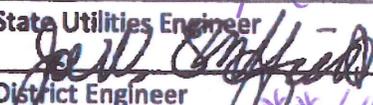
DATE: 10/19/2011

Program Control Administrator
GLENN BOWMAN*/he

State Environmental Administrator
KATHY ZAHOL/he

State Traffic Engineer
RON WILSON/he

Project Review Engineer
SAL PIRZAD/he

for State Utilities Engineer


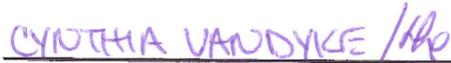
District Engineer
GEN RABUN**/he

State Bridge Design Engineer
WINDY BICKERS/he

for State Transportation Financial Management Administrator

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).

DATE: 10/20/2011

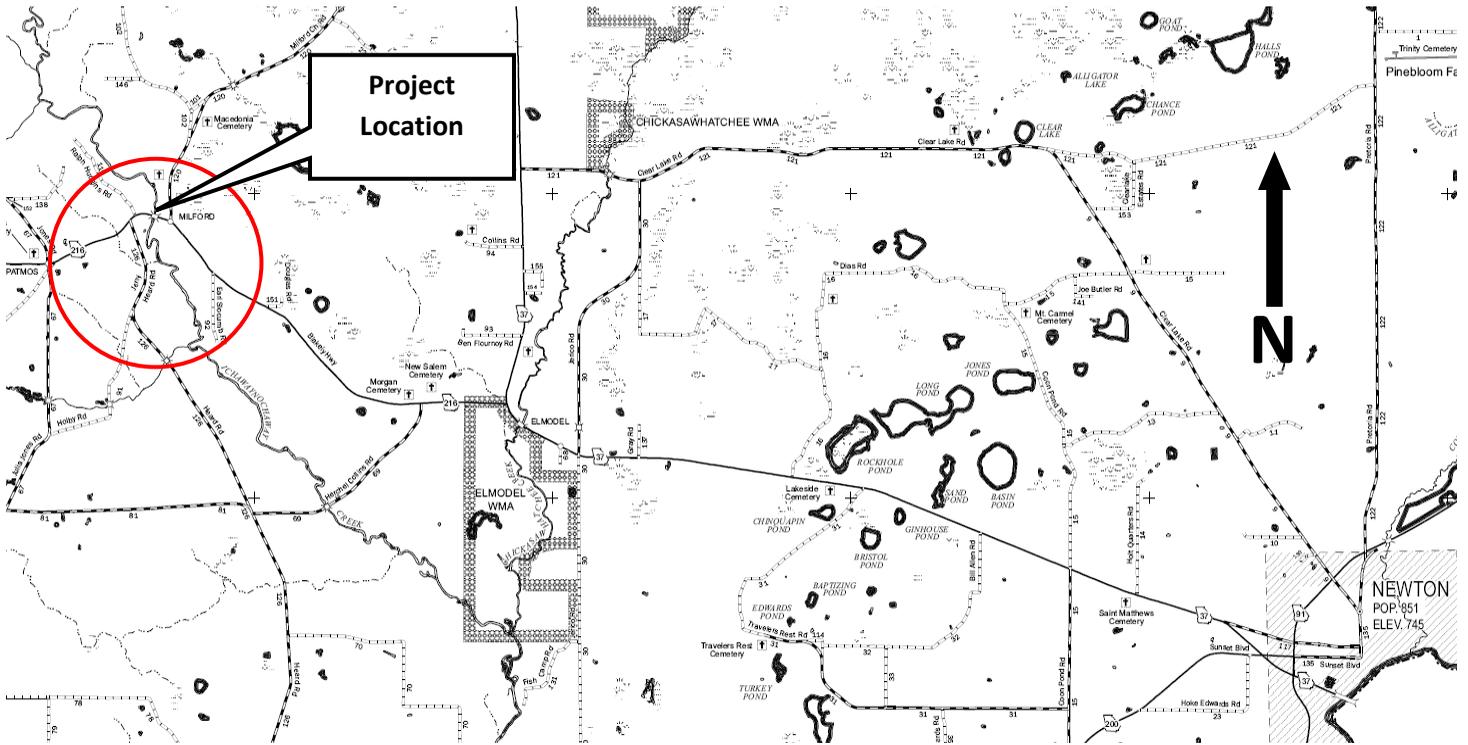


State Transportation Planning Administrator

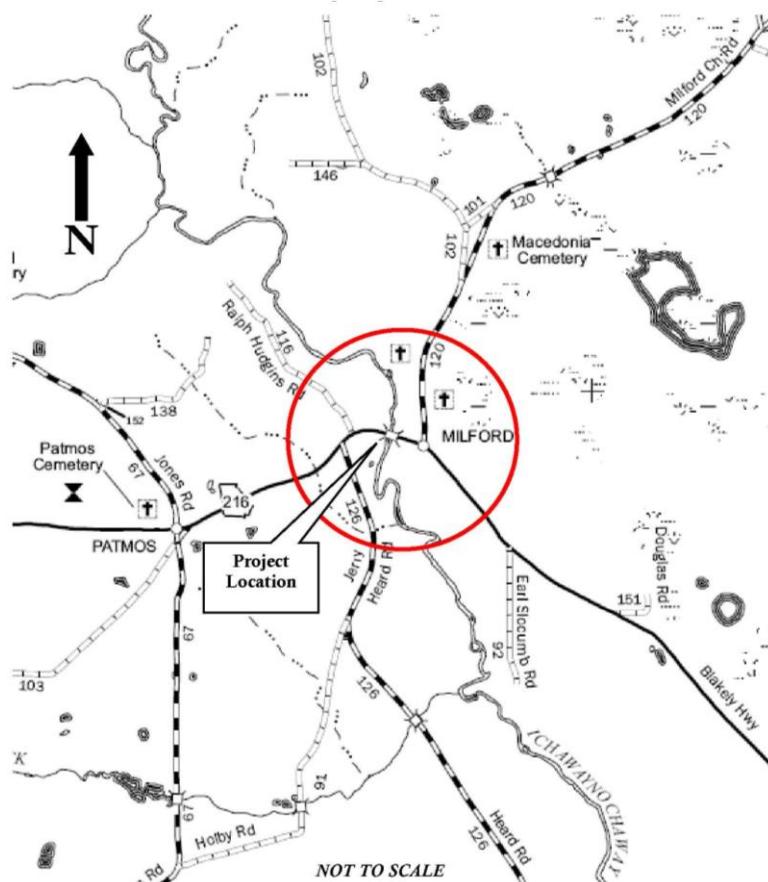
* 40 MILE DETOUR MAY BE VERY CONTROVERSIAL & ADDITIONAL PUBLIC INVOLVEMENT MAY BE WARRANTED TO HELP REDUCE RISK OF SCHEDULE DELAY.

** CALCULATED STATE ROUTE DETOUR TO BE 8 MILES INSTEAD OF 40 MILES.
— RECOMMENDATIONS ON FILE/he

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Project Number: CSBRG-0007-00(154)
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County: Baker



NOT TO SCALE



NOT TO SCALE

Project Concept Report Page: 3
Project Number: CSBRG-0007-00(154)
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County: Baker

Need and Purpose

Project CSBRG-0007-00(154), Baker County

P.I. No. 0007154

Bridge Replacement

State Route 216 is classified as a rural major collector. The posted speed limit is 55 mph. The current existing road is a 2-lane section. The bridge located on SR 216 near Bainbridge Hwy. and Alligator Creek crosses the Ichawaynochaway Creek, also known as "Nochaway Creek". The land use in the area of the bridge is primarily agricultural and woodland.

There were three crashes recorded on this section of SR 216 between 2007 and 2009. Two crashes occurred in 2007, which did not involve collisions with other vehicles, but with deer. The year 2007 accident rate was 405 MVM, which was above the statewide accident rate average of 203 MVM. The other crash occurred in 2008. It was an overturn and did not involve another vehicle. The statewide average accident rate in 2008 for a rural major collector was 194 accidents MVM, compared to 202 for this stretch of road. There were no crashes reported in 2009.

This section of SR 216 is not on a locally designated bicycle route or identified in GDOT's Statewide Bicycle and Pedestrian Plan. It is not on a listed truck route. It is however, on a school bus route. There are no other GDOT projects in the area.

The Average Daily Traffic (ADT) on this section of roadway is 500 vehicles in 2009 which is a Level of Service (LOS) of "A". In 2016, the expected ADT is 600 vehicles, which is also a LOS of "A". The projected year 2036 traffic is 800 ADT with a Level of Service at "A". A grade of "A" is an acceptable traffic condition. It is also estimated that fourteen percent (14.0%) of the traffic is truck volume.

This Bridge (Structure ID 007-0007-0) was built in 1952 and consists of a 7 spans of Reinforced Concrete Deck Girders (RCDG) on a concrete cap and column substructure with timber pile footings. The bridge is currently posted from 14 to 25 tons and has a Sufficiency Rating of 46.28. All RCDG's are showing flexure cracks. The substructure caps are exhibiting vertical cracks at bents 3, 4 and 5. Columns 1 and 2 at bents 3, 4, and 5 have section loss up 1/2 inch up to 1 foot above the water line. Replacement of this structurally deficient bridge is recommended.

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Project Number: CSBRG-0007-00(154)
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County: Baker

Description of the proposed project:

The proposed project would consist of replacing the bridge on SR 216 at Ichawaynochaway Creek by closing the existing roadway and maintaining traffic on an off-site detour of approximately 40 miles. This project is located in Baker County, approximately 12.7 miles northwest of Newton, Georgia, in the 7th Land District, Land Lot No. 227 and is in Ga. Militia District 957. The proposed project will be approximately 0.16 miles in length.

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

Is this project located in an Ozone Non-attainment area? Yes No

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Rural Major Collector

U. S. Route Number(s): None

State Route Number(s): 216

Traffic (ADT):

Base Year: (2016) 600

Design Year: (2036) 800

Existing Design Features:

- Typical Section: Two-lane roadway - one 11'-0" travel lane in each direction, 6' grassed shoulders w/open ditches
- Posted Speed 55 mph
- Minimum radius for curve N/A - spiral
- Maximum super-elevation rate for curve: approx. 5.1% - spiral
- Maximum Grade: Mainline - 0.84%; Driveway - 3.2%
- Width of right of way: 90 ft. to 200 ft.
- Major structures: 280' x 24' Reinforced Concrete Bridge, Structure ID: 007-0007-0, Sufficiency Rating: 46.28
- Major interchanges or intersections along the project: None
- Existing length of roadway segment and the beginning mile logs for each county segment: Project begins at or near Mile Log 4.5 and extends east .14 miles.

Proposed Design Features:

- Proposed typical section(s): Two-lane roadway - one 11' travel lane in each direction, 6' shoulders (2' paved & 4' grassed); Bridge will consist of two-11' travel lanes, 6' Shoulders;
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 1.37 %
- Maximum grade allowable 6 %
- Proposed Maximum grade Side Street N/A %

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County: Baker

- Maximum grade allowable 6 %
- Proposed Maximum grade driveway 10 %
- Proposed Minimum radius of curve N/A – overlay of spiral
- Minimum radius allowable 1060 ft
- Maximum allowable superelevation rate 6 %
- Proposed maximum superelevation rate approx. 5.1% overlay of existing
- Right of way

⇒ Width: 159.9 ft. to 220 ft.

⇒ Easements: Temporary , Permanent , Utility , Others

⇒ Type of access control: Full , Partial , By Permit , Others

⇒ Number of parcels 5

Number of displacements:

⇒ Business: 0

⇒ Residents: 0

⇒ Mobile homes: 0

⇒ Others: 0

- Structures:

⇒ Bridges: 300'x 34' Reinforced Concrete Bridge

⇒ Retaining walls: None

- Major intersections, interchanges, median openings and signal locations: None
- Transportation Management Plan Anticipated: Yes , No
- Design Exceptions to controlling criteria anticipated:

	<u>YES</u>	<u>NO</u>	<u>UNDETERMINED</u>
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: None anticipated
- Environmental concerns: Section 404 Permit needed. Baker Co. is home to many endangered species. There are rock formations of concern that are potential fish weirs (cultural resources) and there have been some artifacts found and recovered at the site. The artifacts recovered suggest that there is a potential for Native burials. An underwater survey will be required. This reach of the river is also designated as a Critical Habitat for five different mussels and one kind has already been found at the site. The ecologist anticipates it will be an adverse impact and will require a formal Section 7. Mitigation is probable (need impacts to determine).
- Anticipated Level of environmental analysis:
 - ⇒ Are Time Saving Procedures appropriate? Yes , No

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 Project Number: CSBRG-0007-00(154)
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 County: Baker

- ⇒ Categorical Exclusion anticipated:
- ⇒ Environmental Assessment/Finding of No Significant Impact (FONSI) , or
- ⇒ Environmental Impact Statement (EIS) .
- Utility involvement: Reimbursable & Non-Reimbursable (Power, Comm., USGS Water Gauge)
- Public Interest Determination Policy and Procedure Required? Yes , No
- VE Study Anticipated Yes , No
- Benefit/Cost Ratio N/A

Project Cost Estimate and Funding Responsibilities:

	PE	ROW	UTILITY	CST*	MITIGATION
By Whom	GDOT	GDOT	GDOT Reimbursable	GDOT	
\$ Amount	\$258,928.58	\$119,000	\$18,963.88	\$1,920,629	

*CST Cost includes: Construction, Engineering and Inspection, Fuel Cost Adjustment, and Asphalt Cement Cost Adjustment:

Project responsibilities:

- ⇒ Design, GDOT
- ⇒ Right-of-Way Acquisition, GDOT
- ⇒ Right-of-Way funding (real property), GDOT
- ⇒ Relocation of Utilities, GDOT and Utility Owners
- ⇒ Letting to contract, GDOT
- ⇒ Supervision of construction, GDOT
- ⇒ Providing material pits, n/a
- ⇒ Providing detours, GDOT
- ⇒ Environmental Studies/Documents/Permits, Consultant
- ⇒ Environmental Mitigation, GDOT

Coordination:

- Initial Concept Meeting Date N/A
- Concept Meeting Date 7/27/2010
- P. A. R. Meeting Date N/A
- FEMA, USCG, and/or TVA: None
- Public involvement: Will later hold a Public Information Meeting for Proposed Detour
- Local government comments: None
- Other projects in area: None
- Railroads: None
- Other coordination to date: None

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 County: Baker

Scheduling – Responsible Parties’ Estimate

- Time to complete environmental process: 23 Months April 2011 – March 2013
- Time to complete preliminary construction plans: 8 Months January 2012 – September 2012
- Time to complete right of way plans: 4 Months July 2012 – November 2012
- Time to complete the Section 404 Permit: 2 Months April 2014 – June 2014
- Time to complete final construction plans: 8 Months July 2013 – March 2014
- Time to complete the purchase of right-of-way: 12 Months September 2013–September 2014
- List other major items that will affect the project schedule: None

Other alternates considered:

Along with the off-site detour that is being proposed, three other alternates were considered.

One alternate considered replacing the existing bridge and substandard curve along the same alignment and building a detour to the south of the existing alignment. This alternate would require the realignment of the tie-in of CR 126 to SR 216 or a Design Exception. Also there are potential environmental concerns on the south side of the bridge that there are fish weirs constructed by Native Americans.

Another alternate considered building a new alignment to the north of the existing alignment and building the proposed bridge parallel to the existing bridge. This alternate would require the realignment of the tie-in of CR 126 and Milford Church Rd to SR 216 or a Design Exception and a Design Variance. This alternate would also require the acquisition of one to two residences.

Another alternate considered is also a new alignment to the north of the existing alignment that would be skewed in order to try to avoid the acquisition of the residences. This alternate would also require the realignment of the tie-in of CR 126 and Milford Church Rd to SR 216 or a Design Exception and a Design Variance. This alternate was previously proposed for the concept but due to the extra cost of fixing the existing problems (sub-standard conditions) of the roadway, besides the bridge, this alternate is no longer being proposed.

The proposed alternate with the approximately 40 mile off-site detour (from one side of the bridge to the other) has a lower construction cost than the other three alternates considered. The cost of this proposed alternate is \$1,897,685 compared to the previous alternate proposed (new alignment skewed to try to avoid acquisition of the residences) of \$3,043,692. This is a reduction in cost of \$1,146,007. Also, with such high environmental concern with this site, the proposed alternate will cause less environmental impacts due to the project not requiring an on-site detour and the project length being shorter. Therefore the proposed alternate was chosen as the best option for this project.

Comments:

As already stated, the off-site detour on this project will be approximately 40 miles on state routes from one side of the bridge to the other (there is an approx. 9.5 mile detour route on local roads). However, this project is an environmental hotspot and the off-site detour will help minimize the impacts to the project. Along with the archeological concerns (artifacts found and possible Native American burial site), there are several T&E (Threatened and Endangered) species in the area. The reach of the Ichawaynochaway that this bridge is located on is designated as a Critical Habitat for shiny-rayed

14 September, 2011

State of Georgia

Department of Transportation

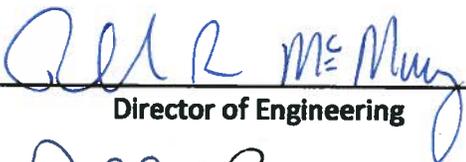
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pocketbook, gulf moccassinshell, purple bankclimber, oval pigtoe, and fat three-ridge, and the shiny-rayed pocketbook has already been found at the site. Also attached is a letter from the DNR concerning this project, asking to minimize disturbance, etc.

Attachments:

1. Detailed Cost Estimates:
 - a. Construction including Engineering and Inspection
 - b. Completed Fuel & Asphalt Price Adjustment forms
 - c. Right-of-Way
 - d. Utilities
 - e. Environmental Mitigation (EPD, etc) – Will need impacts to determine
2. Typical sections
3. Accident summaries
4. Traffic Assignments
5. Bridge inventory
6. Minutes of Concept meeting
7. Notification Letter to County
8. Preliminary Plan Layout
9. Preliminary Profile
10. Detour Routes
11. Georgia DNR, Wildlife Resources Division Letter

Exempt Projects

Concur: 
Director of Engineering

Approve: 
Chief Engineer

Date: 1-24-12

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. ,

OFFICE

DATE

P.I. No.

FROM

TO Ronald E. Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

MNGT LET DATE

PROJECT MANAGER

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

* Costs contain % Engineering and Inspection

REASON FOR COST INCREASE

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ 1,803,833.42	(Base Estimate)
Engineering and Inspection:	\$ 90,191.67	(Base Estimate x 5 %)
Total Fuel Adjustment	\$ 8,167.16	(From attached worksheet)
Total Liquid AC Adjustment	\$ 18,436.84	(From attached worksheet)
Construction Total:	\$ 1,920,629.09	

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

Mitchell EMC	\$14,000.00
Bellsouth	\$4,963.88

Attachments

c: Genetha Rice-Singleton, State Program Control Administrator

DETAILED COST ESTIMATE



Job: 0007154

JOB NUMBER: 0007154

FED/STATE PROJECT NUMBER CSBRG-0007-00(154)

SPEC YEAR: 01

DESCRIPTION: BRIDGE REPLACEMENT; SR 216 @ ICHAWAYNOCHAWAY CREEK

ITEMS FOR JOB 0007154

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0001	150-1000	1.000	LS	\$74,412.55	TRAFFIC CONTROL - CSBRG-0007-00(154)	\$74,412.55
0006	210-0100	1.000	LS	\$241,500.00	GRADING COMPLETE - CSBRG-0007-00(154)	\$241,500.00
0011	310-5080	74.000	SY	\$15.40	GR AGGR BS CRS 8IN INCL MATL	\$1,139.42
0016	402-1812	150.000	TN	\$87.17	RECYL AC LEVELING, INC BM&HL	\$13,076.13
0021	402-3101	188.000	TN	\$80.84	REC AC 9.5 MM SP, TPI, BL 1 INCL BM & HL	\$15,198.29
0026	402-3121	25.000	TN	\$87.77	RECYL AC 25MM SP, GP1/2, BM&HL	\$2,194.21
0031	402-3190	156.000	TN	\$85.21	RECYL AC 19 MM SP, GP 1 OR 2, JNC BM&HL	\$13,282.62
0036	413-1000	147.000	GL	\$3.68	BITUM TACK COAT	\$540.33
0041	433-1200	227.000	SY	\$136.72	REF CONC APPR SLM SLOPED EDGE	\$31,035.98
0046	441-0301	4.000	EA	\$2,000.00	CONC SPILLWAY, TP 1	\$8,000.00
0051	500-3101	1.000	CY	\$550.00	CLASS A CONCRETE	\$550.00
0056	576-1018	273.000	LF	\$25.00	SLOPE DRAIN PIPE, 18 IN	\$6,825.00
0066	641-1100	84.000	LF	\$65.00	GUARDRAIL, TP T	\$5,460.00
0071	641-1200	325.000	LF	\$20.00	GUARDRAIL, TP W	\$6,500.00
0076	641-5001	2.000	EA	\$650.00	GUARDRAIL ANCHORAGE, TP 1	\$1,300.00
0081	641-5012	2.000	EA	\$1,890.00	GUARDRAIL ANCHORAGE, TP 12	\$3,780.00
SUBTOTAL FOR ROADWAY:						\$424,804.53

0020 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0086	540-1101	1.000	LS	\$154,560.00	REM OF EX BR, STA NO - CSBRG-0007-00(154)	\$154,560.00
0086	543-9000	1.000	LS	\$1,020,000.00	CONSTR OF BRIDGE COMPLETE - CSBRG-0007-00(154)	\$1,020,000.00
0101	603-2024	2142.000	SY	\$59.09	STN DUMPED RIP RAP, TP 1, 24"	\$126,561.70
0106	603-7000	2142.000	SY	\$4.01	PLASTIC FILTER FABRIC	\$8,593.53
SUBTOTAL FOR BRIDGE:						\$1,309,715.23

0030 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0111	636-1033	53.000	SF	\$20.83	HWY SIGNS, TP1MAT, REFL SH TP 9	\$1,103.74
0116	636-2070	91.000	LF	\$8.20	GALV STEEL POSTS, TP 7	\$746.12
0121	652-5451	1050.000	LF	\$2.25	SOLID TRAF STRIPE, 5 IN, WHITE	\$2,362.50
0126	652-5452	1050.000	LF	\$2.15	SOLID TRAF STRIPE, 5 IN, YELLO	\$2,257.50
0131	654-1001	22.000	EA	\$3.75	RAISED PVTM MARKERS TP 1	\$82.50
0136	657-1085	600.000	LF	\$6.00	PRF PL SD PVT MKG, 8", BW, TP PB	\$3,600.00
0141	657-6085	600.000	LF	\$6.95	PRF PL SD PVTM MKG, 8", BY, TPPB	\$4,167.23
SUBTOTAL FOR SIGNING AND MARKING:						\$14,319.59

0040 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0146	163-0232	1.360	AC	\$412.42	TEMPORARY GRASSING	\$560.89
0151	163-0240	23.000	TN	\$250.00	MULCH	\$5,750.00
0158	163-0300	4.000	EA	\$1,800.00	CONSTRUCTION EXIT	\$7,200.00
0161	163-0520	203.000	LF	\$15.00	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$3,045.00
0171	163-0529	687.000	LF	\$4.00	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$2,748.00
0176	165-0030	1197.000	LF	\$1.50	MAINT OF TEMP SILT FENCE, TP C	\$1,795.50
0186	165-0071	344.000	LF	\$1.00	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$344.00
0191	165-0101	4.000	EA	\$700.00	MAINT OF CONST EXIT	\$2,800.00
0196	167-1000	2.000	EA	\$900.00	WATER QUALITY MONITORING AND SAMPLING	\$1,800.00
0201	167-1500	18.000	MO	\$900.00	WATER QUALITY INSPECTIONS	\$16,200.00
0206	171-0030	2393.000	LF	\$4.00	TEMPORARY SILT FENCE, TYPE C	\$9,572.00
SUBTOTAL FOR TEMPORARY EROSION CONTROL:						\$51,816.39

DETAILED COST ESTIMATE



Job: 0007154

0050 - PERMANENT EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0211	700-6910	1.360	AC	\$1,000.00	PERMANENT GRASSING	\$1,360.00
0216	700-7000	5.000	TN	\$65.00	AGRICULTURAL LIME	\$325.00
0226	700-8000	2.000	TN	\$500.00	FERTILIZER MIXED GRADE	\$1,000.00
0231	700-8100	136.000	LB	\$3.63	FERTILIZER NITROGEN CONTENT	\$493.68
SUBTOTAL FOR PERMANENT EROSION CONTROL:						\$3,178.68

TOTALS FOR JOB 0007154

ITEMS COST:	\$1,803,833.42
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,803,833.42
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,803,833.42

Special Provision, Section 109-Measurement and Payment
FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)

ENTER FPL DIESEL	3.818
ENTER FPM DIESEL	8.591

ENTER FPL UNLEADED	3.297
ENTER FPM UNLEADED	7.41825

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

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	74.000	0.29	21.46	0.24	17.76	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	519.000	2.90	1505.10	0.71	368.49	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50		
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
PSC Beams____ (LF) Section 507				8.00		1.50		
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50		
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Piling__ inch (LF) Section 520				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Drilled Caisson,____ (LF) Section 524				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
Pile Encasement,____(LF) Section 547				8.00		1.50		
SUM QF DIESEL=				1526.56	SUM QF UNLEADED=		386.25	
DIESEL PRICE ADJUSTMENT(\$)					\$6,702.67			
UNLEADED PRICE ADJUSTMENT(\$)					\$1,464.49			

ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

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

ENTER APL

ENTER APM

MISSING APL OR APM **MISSING APL OR APM**

Use this side for Asphalt Emulsion Only		
L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT = <input style="width: 100px;" type="text"/>		
REMARKS: <input style="width: 95%;" type="text"/>		

Use this side for Asphalt Cement Only		
L.I.N.	TYPE	TACK (GALLONS)
TMT = <input style="width: 100px;" type="text"/>		
REMARKS: <input style="width: 95%;" type="text"/>		

MONTHLY PRICE ADJUSTMENT(\$) **MISSING APL OR APM**

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$6,702.67</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$1,464.49</u>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<u>\$437.92</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<u>\$17,998.92</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)	<u>MISSING APL OR APM</u>

REMARKS:

TOTAL ADJUSTMENTS **\$26,604.00**

Department of Transportation

State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
DATE September 1, 2011

FROM Phil Copeland, Right of Way Administrator
LaShone Alexander, Right of Way Cost Estimator

TO Jason Willingham, District Four Design

SUBJECT **Preliminary Right of Way Cost Estimate**
Project: CSBRG-0007-00(154) Baker County
P.I. No.: 0007154
Description: Bridge Replacement SR 216

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: 9/1/2011 Project: CSBRG-0007-00(154)
 Revised: County: Baker County
 PI: 0007154

Description: Bridge Replacement SR 216
 Project Termini: Bridge Replacement SR 216

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 5

Land and Improvements \$17,400.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$5,000.00

Valuation Services \$5,000.00

Legal Services \$40,875.00

Relocation \$10,000.00

Demolition \$0.00

Administrative \$45,000.00

TOTAL ESTIMATED COSTS \$118,275.00

TOTAL ESTIMATED COSTS (ROUNDED) \$119,000.00

Preparation Credits	Hours	Signature

Prepared By: Lashone Alexander CG#: 286999 (DATE) 9/1/11
 Approved By: Lashone Alexander CG#: 286999 (DATE) 9/1/11

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

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
Land and Improvements	Agriculture	Residential	Commercial	Industrial
1 Estimate Low (ac)	\$0.00	\$0.00	\$0.00	\$0.00
2 Estimate High (ac)	\$0.00	\$0.00	\$0.00	\$0.00
3 Estimate Used (ac)	\$0.00	\$10,000.00	\$0.00	\$0.00
4 Fee Simple Area (ac)	0.00	0.66	0.00	0.00
5 Fee Simple Estimate	\$0.00	\$6,600.00	\$0.00	\$0.00
6 Perm Esmt Area (ac)	0.00	0.00	0.00	0.00
7 Perm Esmt Factor	0%	0%	0%	0%
8 Perm Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
9 Temp Esmt Area (ac)	0.00	0.00	0.00	0.00
10 Temp Esmt Factor	0%	0%	0%	0%
11 Temp Esmt Estimate	\$0.00	\$0.00	\$0.00	\$0.00
12 Proximity Damages	\$0.00	\$0.00	\$0.00	\$0.00
13 Consequential Damages	\$0.00	\$0.00	\$0.00	\$0.00
14 Cost to Cures	\$0.00	\$0.00	\$0.00	\$0.00
15 Improvements	\$0.00	\$5,000.00	\$0.00	\$0.00
16 Trade Fixtures	\$0.00	\$0.00	\$0.00	\$0.00
17				
18 PROPERTY TYPE TOTALS	\$0.00	\$11,600.00	\$0.00	\$0.00
19	SUB TOTAL PROPERTY TYPES			\$11,600.00
20	Counter Offers and Condemnation Increases			\$5,800.00
21				
22	GRAND TOTAL LANDS AND IMPROVEMENTS			\$17,400.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
Valuation Services	Agriculture	Residential	Commercial	Industrial
1 Appraisals (# of Parcels)	0	5	0	0
2 Estimated Fees (per Parcel)	\$0.00	\$1,000.00	\$0.00	\$0.00
3 TOTAL APPRAISALS	\$0.00	\$5,000.00	\$0.00	\$0.00
4 Sign Estimates	0	0	0	0
5 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
6 TOTAL SIGN ESTIMATES	\$0.00	\$0.00	\$0.00	\$0.00
7 Specialty Reports	0	0	0	0
8 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
9 TOTAL SPECIALTY REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
10 Septic/Well Reports	0	0	0	0
11 Estimated Fees	\$0.00	\$0.00	\$0.00	\$0.00
12 TOTAL SEPTIC/WELL REPORTS	\$0.00	\$0.00	\$0.00	\$0.00
13				
14				
15				
16 TOTAL VALUATION FEES	\$0.00	\$5,000.00	\$0.00	\$0.00
17	SUB TOTAL VALUATION SERVICES			\$5,000.00
18	Updates and Incidentals (Min \$2,500 or 25%)			\$2,500.00
19	GRAND TOTAL VALUATION SERVICES			\$5,000.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
	Parcels	Estimated Fees		TOTALS
1	Meeting with Attorney	5	\$125.00	\$625.00
2	Preliminary Titles	5	\$200.00	\$1,000.00
3	Closing and Final Title	5	\$300.00	\$1,500.00
4	Recording Fees	5	\$50.00	\$250.00
5	Condemnation Filing	1	\$5,000.00	\$5,000.00
6	Litigation Costs	1	\$25,000.00	\$25,000.00
7	Updates and Incidentals	1	\$7,500.00	\$7,500.00
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL LEGAL SERVICES			\$40,875.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
	Relocation	Displacements	Estimated Costs	TOTALS
1	Business Displacement		\$15,000.00	\$0.00
2	Residential Tenant		\$20,000.00	\$0.00
3	Residential Owner		\$40,000.00	\$0.00
4	Pro-Rata Taxes	5	\$1,000.00	\$5,000.00
5	Property Pin Replacement	5	\$1,000.00	\$5,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL RELOCATION			\$10,000.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
	Demolition	Items/Improvements	Estimated Costs	TOTALS
1	Residential Structures		\$15,000.00	\$0.00
2	Commercial Structures		\$25,000.00	\$0.00
3	Hotels/Apartments		\$60,000.00	\$0.00
4	UST's - Dispensers		\$50,000.00	\$0.00
5	Billboards		\$8,000.00	\$0.00
6	Signs - Light Standards		\$1,500.00	\$0.00
7	Water Vaults		\$15,000.00	\$0.00
8	Gas/Water Service Separation		\$2,500.00	\$0.00
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL DEMOLITION			\$0.00

**Georgia Department of Transportation
Preliminary ROW Cost Estimate Worksheet**

Project/County/PI CSBRG-0007-00(154) Baker County 0007154

	A	B	C	D
	Parcels	Man hours per Parcel		TOTALS
1	Pre-Acquisition	5	40	\$10,000.00
2	Acquisition	5	100	\$25,000.00
3	Relocation		50	\$0.00
4	Administrative Appeals	2	50	\$5,000.00
5	Post-Acquisition	1	100	\$5,000.00
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17	GRAND TOTAL INHOUSE			\$45,000.00

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: CSBRG-0007-00(154)
 County BAKER
 P.L. # 0007154

OFFICE: Tifton
 DATE: September 13, 2011

Description: *SR 216 @ ICHAWAYNOCHAWAY CREEK*



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

TO Randy Rathburn, Project Manager

SUBJECT UPDATED UTILITY COST ESTIMATE

A review of utilities located on the above referenced project has been conducted without a design concept.. 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>
Mitchell EMC	\$14,000.00	\$7,000.00	Site Visit / Available Drawings
Bellsouth	\$4,963.88	\$4,963.88	Site Visit / Available Drawings
USGS	\$0.00	\$3,000.00	Site Visit / Available Drawings
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
Total	\$18,963.88	\$14,963.88	

**** 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 Bill Cooper, Assistant District 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

QUERY SUMMARY
For Year(s): 2007,2008,2009

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Vehicles	No. Injuries	No. Fatalities
2007	Baker	State Route	021600	2.89	5.89	2	2	0	0
<i>2007 SubTotal</i>						2	2	0	0
2008	Baker	State Route	021600	2.89	5.89	1	1	2	0
<i>2008 SubTotal</i>						1	1	2	0
2009	Baker	State Route	021600	002.89	005.89	0	0	0	0
<i>2009 SubTotal</i>						0	0	0	0
All Year(s)Total						3	3	2	0

ACCIDENT RATE CALCULATION for year(s)2007,2008,2009

Accident Data Information System

Go To
List of Routes
Query Summary
Year Selection

ACCIDENT RATE CALCULATION 2007

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2007	Baker	1	021600	002.89	5.77	450	2.88	1,296
2007	Baker	1	021600	5.77	005.89	480	0.12	58

Total Vehicle Miles: 1,354	Total Accidents: 2	Accident Rate: 405
Average ADT: 451	Total Injuries: 0	Injury Rate: 0
Length in Miles: 3.00	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

ACCIDENT RATE CALCULATION 2008

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2008	Baker	1	021600	002.89	5.77	450	2.88	1,296
2008	Baker	1	021600	5.77	005.89	480	0.12	58

Total Vehicle Miles: 1,354	Total Accidents: 1	Accident Rate: 202
Average ADT: 451	Total Injuries: 2	Injury Rate: 405
Length in Miles: 3.00	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

ACCIDENT RATE CALCULATION 2009

Year	County	Rt Type	Route Num	Low Milelog	High Milelog	ADT	Distance	Vehicle Miles
2009	Baker	1	021600	002.89	5.77	436	2.88	1,256
2009	Baker	1	021600	5.77	005.89	466	0.12	56

Total Vehicle Miles: 1,312	Total Accidents: 0	Accident Rate: 0
Average ADT: 437	Total Injuries: 0	Injury Rate: 0
Length in Miles: 3.00	Total Fatalities: 0	Fatality Rate: 0.00

NOTE: Rates are per 100 Million Vehicle Miles

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0007-00(154), Baker County **OFFICE** Planning
P.I. # 0007154
DATE December 21, 2010

FROM Cindy VanDyke, State Transportation Planning Administrator

TO Joe Sheffield, District Engineer, Tifton
Attention: Jason Willingham

SUBJECT **Updated** Traffic Assignments for S.R. 216 @ Ichawaynochaway Creek.

We are furnishing estimated traffic assignments for the above project as follows:

TC # 0159

2009 ADT = 500

2016 ADT = 600

2036 ADT = 800

D = 60%

K = 9%

T = 10%

24 HR. T. = 14%

S.U. = 9%

COMB. = 5%

If you have any questions concerning this information please contact Abby Ebodaghe at (404) 631-1923.

CYV/AFE

Bridge Inventory Data Listing



Structure ID: 007-0007-0

Baker

SUFF. RATING: 46.28

Location & Geography

Structure ID: 007-0007-0
 200 Bridge Information: 00
 *6A Feature Int: ICHAWAYNOCHAWAY
 *6B Critical Bridge: CRFBK
 *7A Route No Carried: SR00216
 *7B Facility Carried: SR 216
 9 Location: APP 13 MI NW OF NEWTON
 2 Dot District: 4

Signs & Attachments

*104 Highway System: 0
 *26 Functional Classification: 07
 *204 Federal Route Type: S No: 00511
 105 Federal Lands Highway: 0
 *110 Truck Route: 0
 2006 School Bus Route: 1
 217 Benchmark Elevation: 0176.54
 218 Datum: 3
 *19 Bypass Length: 10
 *20 Toll: 3
 *21 Maintenance: 01
 *22 Owner: 01
 *31 Design Load: 2
 37 Historical Significance: 5
 205 Congressional District: 02
 27 Year Constructed: 1952
 106 Year Reconstructed: 0000
 33 Bridge Medium: 0
 34 Skew: 00
 35 Structure Flared: 0
 38 Navigation Control: 0
 213 Special Steel Design: 0
 267 Type of Paint: 0
 *42 Type of Service On: 1
 Type of Service Under: 5
 214 Movable Bridge: 0
 203 Type Bridge: 0
 259 Pile Encasement: 3
 *43 Structure Type Maint: 1 04
 45 No. Spans Main: 007
 44 Structure Type Appr: 0 00
 46 No Spans Appr: 0000
 228 Bridge Curve Horz: 0 Vert 0
 111 pier Protection: 0
 107 Deck Structure Type: 1
 108 Wearing Structure Type: 1
 Membrane Type: 8
 Deck Protection: 8

225 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0
 Width: 0
 238 Curb Height: 1
 Curb Material: 1
 239 Handrail: 11
 *240 Medium Barrier Rail: 0
 241 Bridge Median Height: 0
 * Bridge Median Width: 0
 230 Guardrail Loc. Dir. Rear: 3
 Fwrd: 3
 Oppo. Dir. Rear: 0
 Oppo. Fwrd: 0
 244 Approach Slab: 0
 224 Retaining Wall: 0
 233 Posted Speed Limit: 55
 236 Warning Sign: 1.00
 234 Delineator: 1.00
 235 Hazard Boards: 1
 237 Utilities Gas: 00
 Water: 00
 Electric: 00
 Telephone: 31
 Sewer: 00
 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0
 *248 County Continuity No.: 00

Bridge Inventory Data Listing



Structure ID: 007-0007-0

Programming Data

201 Project No: S-0511 (2)
 202 Plans Available: 4
 249 Prop Proj No: BRG-0007-00(154)
 250 Approval Status: 0000
 251 PI Number: 0007154
 252 Contract Date: 02/01/1901
 260 Seismic No: 00000
 75 Type Work: 00 0
 94 Bridge Imp. Cost: \$750
 95 Roadway Imp. Cost: 50
 96 Total Imp Cost: 0
 76 Imp Length: 000000
 97 Imp Year: 0000
 114 Future ADT: 000675 Year: 2027

Hydraulic Data

215 Waterway Data:
 High Water Elev: 0162.7 Year: 1900
 Flood Elev: 0000.0 Freq: 00
 Avg Streambed Elev: 0149.8
 Drainage Area: 00620
 Area of Opening: 003080
 113 Scour Critical: U
 216 Water Depth: 6.5 Br. Height: 24.2
 222 Slope Protection: 6
 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 UW Insp. Area: 2 Diver: WSR
 Location ID No: 007-00216D-004.44N

Measurements:

*29 ADT: 000450 Year: 2007
 109% Trucks: 0
 *28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 *48 Max. Span Length: 0040
 *48 Structure Length: 280
 51 Br. Rwy. Width: 24.00
 52 Deck Width: 28.00
 *47 Tot. Horiz. Cl: 24
 50 Curb / Sidewalk Width: 2.00 / 2.00
 32 Approach Rwy. Width: 020
 *228 Shoulder Width: 7.00 Type: 8 Rt: 7.00
 Rear Lt: 7.00 Type: 8 Rt: 7.00
 Fwd. Lt:
 Permanent Width:
 Rear: 20.00 Type: 8
 20.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 1
 App. Rail End: 1
 53 Minimum Cl. Over: 99' 99"
 Under:
 *228 Minimum Vertical Cl: 99' 99"
 Act. Odsm Dir.: 99' 99"
 Oppo. Dir.: 99' 99"
 Posted Odsm. Dir.: 00' 00"
 Oppo. Dir.: 00' 00"
 55 Lateral Undercl. Rt: N 0 0
 56 Lateral Undercl. Lt: 0.00
 *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
 212 Year Last Painted: Sup: 0000 Sub: 0000

65 Inventory Rating Method: 1
 63 Operating Rating Method: 1
 66 Inventory Type: 2 Rating: 10
 64 Operating Type: 2 Rating: 10
 231 Calculated Loads:
 H-Modified: 14 1
 HS-Modified: 17 1
 Type 3: 15 1
 Type 3s2: 25 1
 Timber: 20 1
 Piggyback: 40 0
 261 H Inventory Rating: 8
 262 H Operating Rating: 14
 67 Structural Evaluation: 2
 58 Deck Condition: 7
 59 Superstructure Condition: 7
 *227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 6
 60C Underwater Condition: 6
 71 Waterway Adequacy: 6
 61 Channel Protection Contd.: 7
 68 Deck Geometry: 4
 69 UnderCl. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N
 Posting Data
 70 Bridge Posting Required: 0
 41 Struct Open, Posted, Cl: P
 *103 Temporary Structure: 0
 232 Posted Loads
 H-Modified: 14
 HS-Modified: 17
 Type 3: 15
 Type 3s2: 25
 Timber: 20
 Piggyback: 00
 253 Notification Date: 02/01/1901
 258 Fed Notify Date: 2/1/1901 12:00:00AM

**Department of Transportation
State of Georgia**

**Concept Meeting Minutes
July 27, 2010**

Project No. CSBRG-0007-00(154), Baker Co.
PI No. 0007154
Description Bridge Replacement: SR 216 @ Ichawaynochaway Creek 12.7 miles northwest of Newton

A Concept Team Meeting was held for the subject project on July 27, 2010. The meeting was requested and conducted by Ralph S. Griffin, District Design Engineer. The meeting was held at the GDOT District Office in Tifton and began at 10:00 am. The meeting began with Ralph S. Griffin reading the project number, county, PI number for the project, and a brief project description. Jason S. Willingham gave an outline of the Draft Concept Report including the Need and Purpose. Jason S. Willingham also stated that an on-site detour is to be used on the project.

Dennis Carter, District Environmentalist, stated that a Categorical Exclusion (CE) Document, a 404 permit, and an NPDES permit will be needed. He stated that there are no Underground Storage Tanks (UST). He also stated that there is a sign nearby with the name "Indian Rapid Settlements", and that there is a rock formation in the creek that may or may not be natural. He stated that there could be some archeology. He stated that there are many endangered species that could be possible to the area and he named them. He stated that there was a cemetery shown in CAiCE, but as per the survey office, the lifetime residents say there is no cemetery. He also said that the area may be classified as a critical habitat and if so will have to go through a formal Section 7.

Geno Hasty, Traffic Operations, was asked if he had any comments and he stated that he did not have any at this time.

Ken Cheek, Utilities Office, stated the utilities on the project to be Mitchell EMC, Bellsouth, and USGS. He also stated that there would be \$28,000 reimbursable costs and \$20,350 non-reimbursable.

Joe Cowan, District Construction Engineer, asked about a possible relocation and superelevation problems on the roadway. He also asked if the shoulders should be narrowed, specifically the paved shoulders, seeing the lane widths are going to be 11'. He also asked the distance between the mainline bridge and the detour bridge. He noted concern about R/W but said it was ok.

Shane Pridgen, District Planning and Programming Engineer, was asked if he invited the locals and if he had any comments, and replied that he did invite the locals but didn't have any comments.

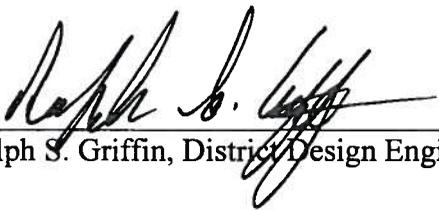
Joe Sheffield, District Engineer, stated that the length of the detour bridge was long relative to the mainline bridge and that too much money would have to be spent on the detour bridge. He stated that he was concerned about the difference in elevations of the two bridges and how it would affect the transition from the mainline to the detour roadway. He also stated if the bridge department lengthens the mainline bridge that it would probably get into the superelevation transitions on the mainline.

Brent Thomas, District Preconstruction Engineer, stated that the sufficiency rating on the bridge needed to be checked. He stated that the project length also needs to be checked and the one on the concept report and the one on the status report should match. He stated that Wendy Vickers should be contacted if the project length on the status report needs to be changed. Brent Thomas also stated that a baseline schedule change needs to be requested and that the project would not meet the current dates.

Darin Purvis, GDOT Construction Estimator Liaison, was asked if he had any comments and he replied that he didn't.

Some discussion went on between Joe Sheffield, Brent Thomas, Joe Cowan, Sandy Griffin, and Jason Willingham about the existing spiral in the roadway, about the detour alignment, and about realigning the roadway upstream of the bridge and letting the existing alignment serve as the detour. Joe Sheffield wanted to look at realignment. Brent Thomas and Sandy Griffin stated that we need to avoid extending bridge projects any further than necessary. Joe Sheffield stated that realigning the roadway on the upstream side of the bridge could possibly help lessen the environmental impacts.

Meeting was adjourned at 10:40 a.m.



Ralph S. Griffin, District Design Engineer



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

LARRY E. DENT
DEPUTY COMMISSIONER
(404) 656-5208

EARL L. MAHFUZ
TREASURER
(404) 656-5224

June 06, 2006

Mr. T E. Moye
Commission Chairman, Baker County
P.O. Box 607
Newton, GA 39870

Dear Chairman Moye:

Subject: Local Government Responsibilities

Project No. CSBRG-0007-00(154) Baker Co. PI# 0007154
SR 216 @ ICHAWAYNOCHAWAY CREEK

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.

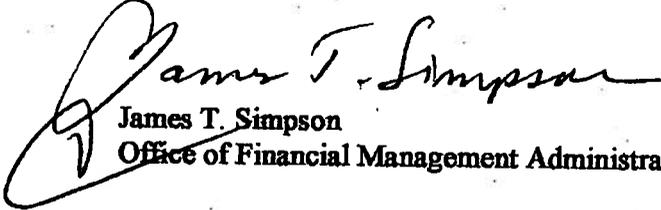
However, utility adjustment / relocation costs associated with any utility that was originally installed within a public right of way shall remain the responsibility of each respective utility owner (Office Code of Georgia Annotated 32-6-171). Please ensure that adequate funding is budgeted for the adjustment / 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.

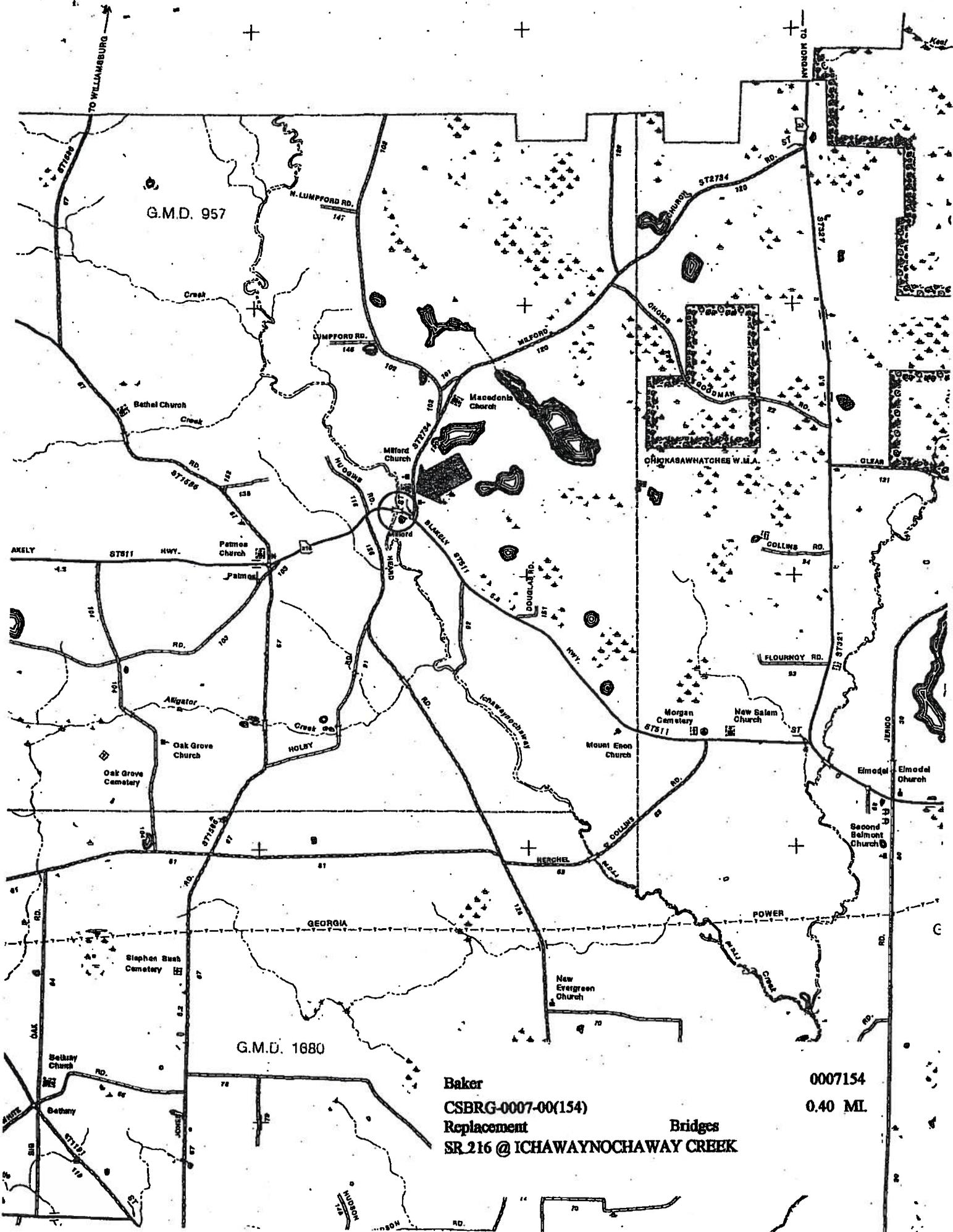
Sincerely yours,

A handwritten signature in black ink that reads "James T. Simpson". The signature is fluid and cursive, with a large initial "J" and "S".

James T. Simpson
Office of Financial Management Administrator

JTS:RR:kp

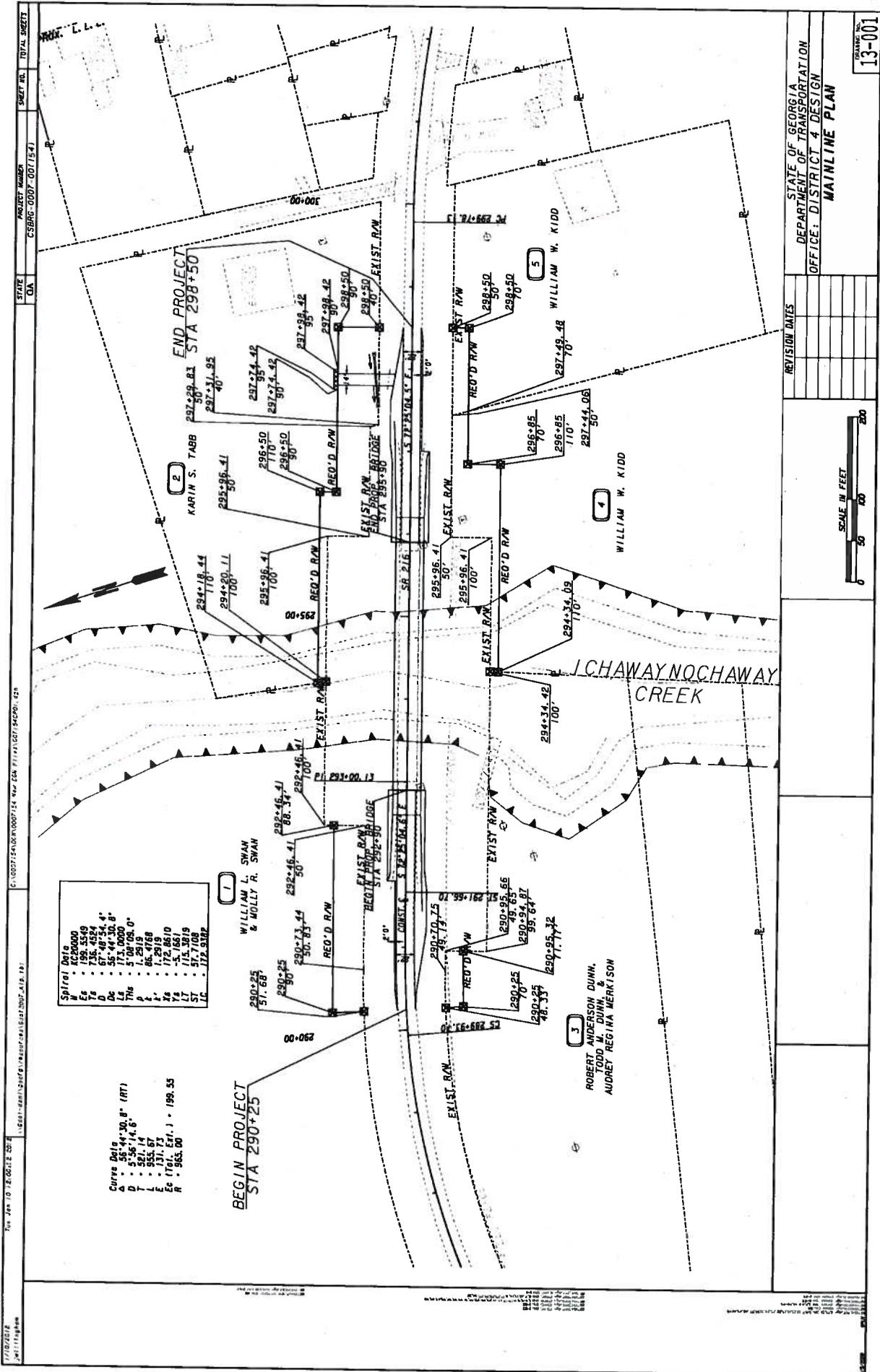
cc: Joe Sheffield - District 4 Engineer
cc: Tim Warren - District 4 Utilities Engineer
cc: Jeff Baker - State Utilities Engineer
cc: Ralph Griffin - Project Manager, District 4



Baker
 CSBRG-0007-00(154)
 Replacement
 SR 216 @ ICHAWAYNOCHAWAY CREEK

Bridges

0007154
 0.40 MI.



Curve Data

E	1620000
F	1250000
G	7354329
H	6748754.4'
Dc	554430.8'
L	173.0000
Ls	120.00'
Lc	85.4768
Lt	1.2919
Lr	172.8610
Ls	120.00'
Lc	85.4768
Lt	1.2919
Lr	172.8610
Ls	120.00'
Lc	85.4768
Lt	1.2919
Lr	172.8610

Spiral Data

E	1620000
F	1250000
G	7354329
H	6748754.4'
Dc	554430.8'
L	173.0000
Ls	120.00'
Lc	85.4768
Lt	1.2919
Lr	172.8610
Ls	120.00'
Lc	85.4768
Lt	1.2919
Lr	172.8610

STATE: GA PROJECT NUMBER: CSBRG-0007-001(54) SHEET NO.: TOTAL SHEETS: 13-001

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

REVISION DATES



1
BEGIN PROJECT
STA 290+25

2
KARIN S. TABB

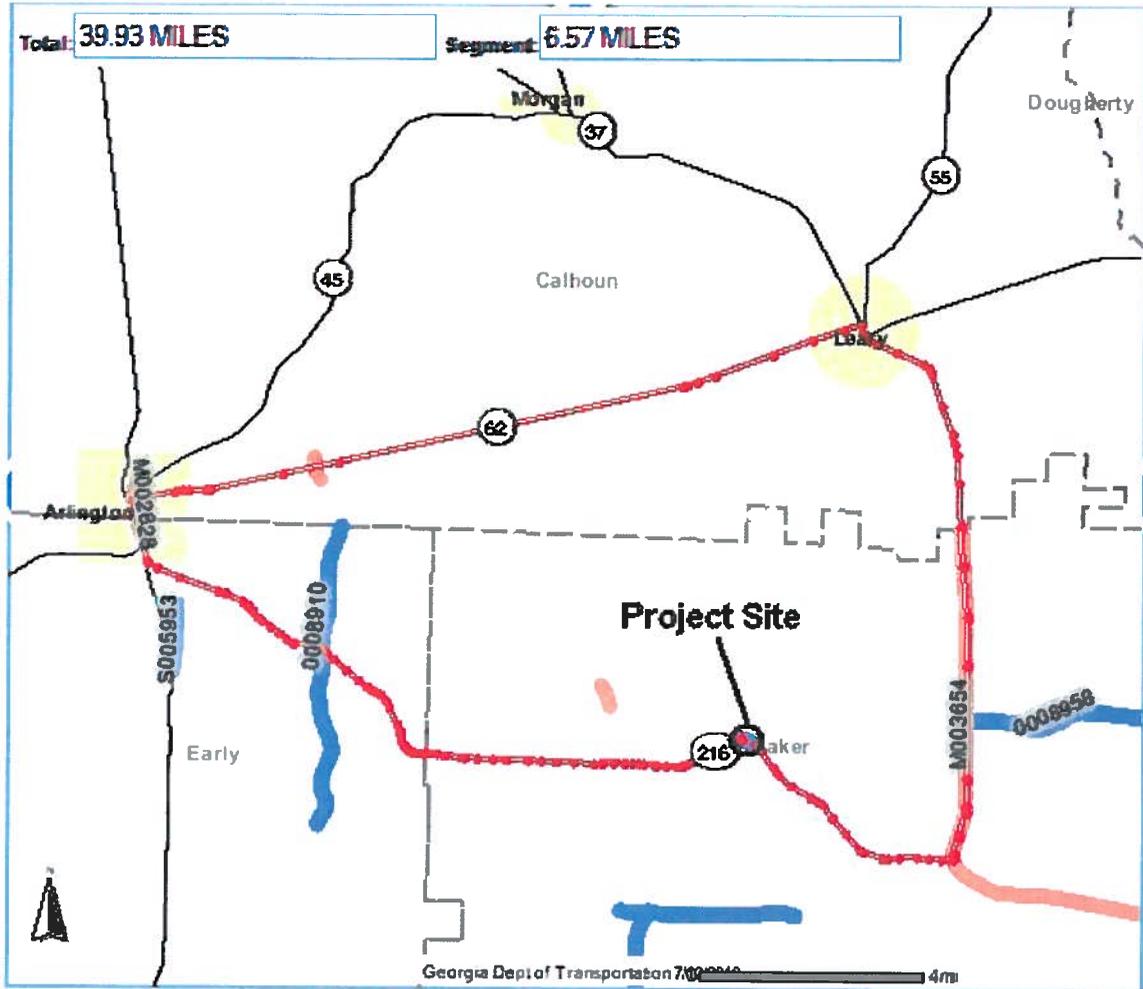
3
ROBERT ANDERSON
TODD W. ANDERSON
AUDREY REGINA JEFFERSON

4
WILLIAM W. KIDD

5
WILLIAM W. KIDD

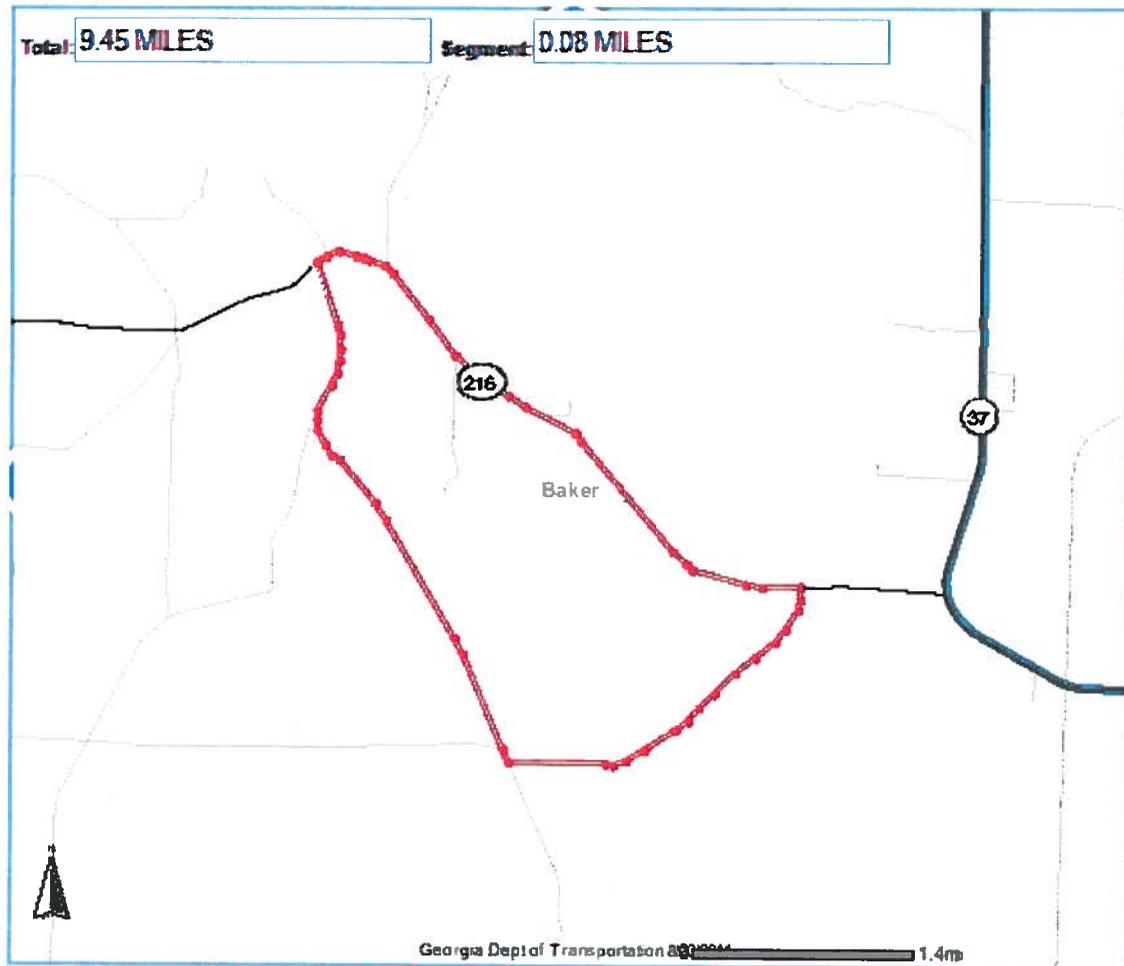
Detour Route on State Routes

*This is the detour on state routes that is approximately 40 miles from one side of the bridge to the other.



Detour Route on Local Roads

*This is a detour route on local roads that is approximately 9.5 miles from one side of the bridge to the other.





WILDLIFE RESOURCES DIVISION

MARK WILLIAMS
COMMISSIONER

DAN FORSTER
DIRECTOR

July 7, 2011

Stephanie Sorensen
Ecologist
Ecological Solutions
630 Colonial Park Drive
Suite 200
Roswell, GA 30075

Subject: Known occurrences of natural communities, plants and animals of highest priority conservation status on or near SR 216 Bridge Replacement over Ichawaynochaway Creek, Baker County, Georgia

Dear Ms. Sorensen:

This is in response to your request of May 24, 2011. According to our records, within a three-mile radius of the project site there are the following Natural Heritage Database occurrences:

- GA *Elliptio arctata* (Delicate Spike) approx. 2.0 mi. NW of site in Mill Creek
- GA *Elliptio purpurella* (Inflated Spike) approx. 2.5 mi. W of site in Mill Creek
- GA *Elliptio purpurella* (Inflated Spike) [HISTORIC] on site in Ichawaynochaway Creek
- GA *Etheostoma parvipinne* (Goldstripe Darter) on site in Ichawaynochaway Creek
- US *Hamiota subangulata* (Shinyrayed Pocketbook) approx. 2.5 mi. W of site in Mill Creek
- US *Hamiota subangulata* (Shinyrayed Pocketbook) on site in Ichawaynochaway Creek
- Hygrophila lacustris* (Hygrophila) on site in Ichawaynochaway Creek
- US *Medionidus penicillatus* (Gulf Moccasinshell) [HISTORIC?] approx. 2.5 mi. W of site
- Necturus beyeri complex* (Gulf Coast Waterdog) on site in Ichawaynochaway Creek
- US *Pleurobema pyriforme* (Oval Pigtoe) approx. 2.5 mi. W of site in Mill Creek
- Tyto alba* (Barn owl) approx. 3.0 mi. W of site
- Utterbackia peggyae* (Florida Floater) approx. 2.0 mi. NW of site in Mill Creek
- Ichawaynochaway Creek [High Priority Stream] on site

* Entries above preceded by "US" indicates species with federal status (Protected, Candidate or Partial Status). Species that are federally protected in Georgia are also state protected; "GA" indicates Georgia protected species.

Recommendations:

A federally listed species, *Hamiota subangulata* (Shinyrayed Pocketbook) a state listed species, *Etheostoma parvipinne* (Goldstripe Darter) and several species of concern are found on site. Before bridge work begins, mussel populations should be identified and relocated if necessary. Please consult with Jason Wisniewski (jason.wisniewski@dnr.state.ga.us or 770-918-6411) with any questions regarding this work. Section 9 of the Endangered Species Act states that taking or harming of a listed species is prohibited. We recommend all requestors with projects located near federally protected species consult with the United States Fish and Wildlife Service. For southeast Georgia, please contact Strant Colwell (912-265-9336, ext.30 or Strant_Colwell@fws.gov). In southwest Georgia, please contact John Doresky (706-544-6999 or John_Doresky@fws.gov). In north Georgia, please contact Robin Goodloe (706-613-9493, ext.221 or Robin_Goodloe@fws.gov).

We also have the following recommendations for the applicant to consider. Please minimize disturbance to stream banks, wetlands, and riparian zones during bridge rehabilitation. Conduct activities from a stable stream bank or reinforced platform that does not cause degradation or destabilization of stream banks. Prohibit operation of equipment in the channel or use of the channel as a ford. We recommend that stringent erosion control practices be used during construction activities and that vegetation is re-established on disturbed areas as quickly as possible. Silt fences and other erosion control devices should be inspected and maintained until soil is stabilized by vegetation. Please use natural vegetation and grading techniques (e.g., vegetated swales, turn-offs, vegetated buffer strips) that will ensure that the road or ROW does not serve as a conduit for storm water or pollutants into the stream during or after construction. No uncured concrete or water used to facilitate curing should be discharged directly into the stream; curing water should be pumped into filter bags (i.e., "dirt bags") or detention basins before coffer dams or other diversion structures are dismantled. These measures will help protect water quality in the vicinity of the bridge crossings as well as downstream.

Before any bridge work is completed, please survey the bridge for roosting birds and bats. If any are present, please delay bridge work until the birds and/or bats are no longer using the site.

Please keep in mind that this project occurs on Ichawaynochaway Creek, a high priority waterbody or within a high priority watershed. As part of an effort to develop a comprehensive wildlife conservation strategy for the state of Georgia, the Wildlife Resources division has developed and mapped a list of streams that are important to the protection or restoration of rare aquatic species and aquatic communities. High priority waters and their surrounding watersheds are a high priority for a broad array of conservation activities, but do not receive any additional legal protections. We now have GIS ESRI shapefiles of GA high priority waters available on our website

(<http://www.georgiawildlife.com/content/displaycontent.asp?txtDocument=89&txtPage=13>).

Please contact the Georgia Natural Heritage Program if you would like additional information on high priority waters.

NEW - Data Available on the Nongame Conservation Section Website - NEW

NEW Georgia protected plant and animal profiles are available on our website. Originating with the State Wildlife Action Plan, a strategy guiding conservation in Georgia, the accounts cover

basics like descriptions and life history, as well as threats, management recommendations and conservation status. Visit <http://www.georgiawildlife.com/node/2223?cat=6>

By visiting the Nongame Conservation Section Website you can view the highest priority species and natural community information by Quarter Quad, County and HUC8 Watershed. To access this information, please visit our GA Rare Species and Natural Community Information page at: <http://www.georgiawildlife.com/conservation/species-of-concern?cat=conservation>

An ESRI shape file of our highest priority species and natural community data by quarter quad and county is also available. It can be downloaded from: <http://georgiawildlife.com/sites/default/files/uploads/wildlife/nongame/zip/gnhpds.zip>

Disclaimer:

Please keep in mind the limitations of our database. The data collected by the Nongame Conservation Section comes from a variety of sources, including museum and herbarium records, literature, and reports from individuals and organizations, as well as field surveys by our staff biologists. In most cases the information is not the result of a recent on-site survey by our staff. Many areas of Georgia have never been surveyed thoroughly. Therefore, the Nongame Conservation Section can only occasionally provide definitive information on the presence or absence of rare species on a given site. Our files are updated constantly as new information is received. **Thus, information provided by our program represents the existing data in our files at the time of the request and should not be considered a final statement on the species or area under consideration.**

If you know of populations of highest priority species that are not in our database, please fill out the appropriate data collection form and send it to our office. Forms can be obtained through our web site (<http://www.georgiawildlife.com/node/1376>) or by contacting our office. If I can be of further assistance, please let me know.

Sincerely,



Katrina Morris
Environmental Review Coordinator