**ORIGINAL TO GENERAL FILES**

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

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

**FILE** P.I. # 0007153
CSBRG-0007-00(153)
Baker County
GDOT District 4 - Tifton
SR 200 @ Ichawaynochaway Creek
Bridge Replacement

**OFFICE** Design Policy & Support

**DATE** August 26, 2013

**FROM** for Brent Story, State Design Policy Engineer

**TO** SEE DISTRIBUTION

**SUBJECT** **APPROVED CONCEPT REPORT**

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

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Mike Bolden, State Utilities Engineer
Paul Tanner, Asst. State Transportation Data Administrator
Attn: Systems & Classification Branch
Jeff Fletcher, Statewide Location Bureau Chief
Andy Casey, State Roadway Design Engineer
Sandy Griffin, District Design Engineer
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Tim Warren, District Utilities Engineer
David Moyer, Project Manager
BOARD MEMBER - 2nd Congressional District

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

| | | | |
|---|---|---|---|
| Project Type: | Bridge Replacement | P.I. Number: | 0007153 |
| GDOT District: | 4 | County: | Baker |
| Federal Route Number: | N/A | State Route Number: | SR 200 |

Bridge Replacement, SR 200 over Ichawaynochaway Creek

**Submitted for approval:**

GDOT Concept/Design Phase Office Head — DATE 6-17-13

Albert Shelby for

Office Head (GDOT Project Manager's Office) — DATE 7/15/13

GDOT Project Manager — DATE 7/11/13

* Recommendation on file

**Recommendation for approval:**

Program Control Administrator — DATE

* Glenn Bowman /KLP — 7-24-13

State Environmental Administrator — DATE

* Kathy Zahul /KLP — 7-18-13

State Traffic Engineer — DATE

* Lisa Myers /KLP — 7-18-13

Project Review Engineer — DATE

for * Jun Birnkammer /KLP — 7-17-13

State Utilities Engineer — DATE

* Joe Sheffield /KLP — 7-23-13

District Engineer — DATE

* Ben Rabun /KLP — 8-1-13

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).

State Transportation Planning Administrator — DATE 7-18-13

## PROJECT LOCATION

PROJECT LOCATION
Structure ID: 007-0006-0
NOT TO SCALE

## PLANNING & BACKGROUND DATA

**Project Justification Statement:**

This bridge (Structure ID 007-0006-0; SR 200 over Ichawaynochaway Creek) was built in 1956. The bridge consists of six spans of steel beams on concrete caps with steel piles and concrete columns. This bridge was designed using a truck configuration that weighs less than the current state legal truck weights. This bridge is posted. The overall condition of this bridge would be classified as good to satisfactory; with the substructure members exhibiting some minor deterioration and cracking considered to be satisfactory. The deck has minor transverse cracking with some efflorescence and abrasion wearing. The superstructure has some minor problems. No rehabilitation work performed on the structure components would improve this bridge in so far as the posting of the structure is concerned. Due to the structural integrity based on the design and that the bridge is currently posted replacement of this bridge is recommended.

**Description of the proposed project:** This project is the replacement of the existing bridge on SR 200 @ Ichawaynochaway Creek. The current Bridge Sufficiency Rating is 55.63 and will be replaced with a wider bridge that meets current GDOT Guidelines. The proposed approaches will consist of two-11 ft. travel lanes, 6 ft shoulders with 2 ft. paved and open ditches. Traffic will be maintained with an On-site Detour. This project is located in the 7th Land District, Land Lot 119 and GMD 1680. The proposed project will be approximately 0.32 miles in length.

**Federal Oversight:** ☐ Full Oversight ☒ Exempt ☐ State Funded ☐ Other

**MPO:** ☒ N/A ☐ MPO - Choose
MPO Project TIP #

**Regional Commission:** ☐ N/A ☒ RC – Southwest Georgia RC
RC Project ID #

**Congressional District(s):** 2

**Projected Traffic:** **AADT**
Current Year (2009): 500 Open Year (2018): 575 Design Year (2038): 725

**Functional Classification (Mainline):** Rural Major Collector

**Is this a 3R (Resurfacing, Restoration, & Rehabilitation) Project** ☒ No ☐ YES

**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 200

| Feature | Existing | Standard* | Proposed |
|---|---|---|---|
| **Typical Section** | | | |
| **- Number of Lanes** | **2** | **2** | **2** |
| **- Lane Width(s)** | **11.0'** | **11.0'** | **11.0'** |
| **- Median Width & Type** | **N/A** | | **N/A** |
| **- Outside Shoulder Width & Type** | **6' (1' paved)** | **5' AASHTO** | **6' (2' paved)** |
| **- Outside Shoulder Slope** | **6%** | **6%** | **6%** |
| **- Inside Shoulder Width & Type** | **N/A** | | **N/A** |
| **- Sidewalks** | **N/A** | | **N/A** |
| **- Auxiliary Lanes** | **N/A** | | **N/A** |
| **- Bike Lanes** | **N/A** | | **N/A** |
| **Posted Speed** | **55 mph** | | **55 mph** |
| **Design Speed** | **55 mph** | **55mph** | **55 mph** |
| **Min Horizontal Curve Radius** | **N/A** | | **N/A** |
| **Superelevation Rate** | **N/A** | | **N/A** |
| **Grade** | **2.21%** | **7% max (Rolling)** | **2.29% max** |
| **Access Control** | **By permit** | **By permit** | **By permit** |
| **Right-of-Way Width** | **100' – 200'** | **N/A** | **130'-200'** |
| **Maximum Grade – Crossroad** | **N/A** | | **N/A** |
| **Design Vehicle** | | | |
| *Additional Items as needed* | | | |

*According to current GDOT design policy if applicable

**Major Structures:**

| Structure | Existing | Proposed |
|---|---|---|
| *007-0006-0 SR 200 @ Ichawaynochaway Creek* | *380' x 30' Concrete Bridge, two-11 ft. travel lanes with 2 ft shoulders. Sufficiency Rating= 59.37* | *400' x 34', two-11ft. travel lanes with 6' shoulders.* |
| *Detour Bridge* | *N/A* | *250' with 11' travel lanes* |
| *Other* | *N/A* | *N/A* |

**Major Interchanges/Intersections:** *N/A*

**Utility Involvements: To be determined**

**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: | 1 |
| Anticipated number of displacements (Total): | 0 |
| Businesses: | 0 |
| Residences: | 0 |
| Other: | 0 |

**Location and Design approval:** ☐ Not Required ☒ Required

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

**Transportation Management Plan [TMP] Required:** ☐ No ☒ Yes

If Yes: Project classified as: ☒ Non-Significant ☐ Significant

TMP Components Anticipated: ☒ TTC ☐ TO ☐ PI

**Design Exceptions to FHWA/AASHTO controlling criteria anticipated:**

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

**Design Variances to GDOT standard criteria anticipated:**

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

**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
Is a Carbon Monoxide hotspot analysis required? ☒ No ☐ Yes

**MS4 Compliance-Is the project located in an MS4 area?** ☒ No ☐ Yes

**Environmental Permits/Variances/Commitments/Coordination anticipated:**

| Permit/ Variance/ Commitment/ Coordination Anticipated | YES | NO | Remarks |
|---|---|---|---|
| 1. U.S. Coast Guard Permit | ☐ | ☒ | |
| 2. Forest Service/Corps Land | ☐ | ☒ | |
| 3. CWA Section 404 Permit | ☒ | ☐ | |
| 4. Tennessee Valley Authority Permit | ☐ | ☒ | |
| 5. Buffer Variance | ☐ | ☐ | Need survey to determine |
| 6. Coastal Zone Management Coordination | ☐ | ☒ | |
| 7. NPDES | ☒ | ☐ | |

| | | | |
|---|---|---|---|
| 8. FEMA | ☐ | ☒ | |
| 9. Cemetery Permit | ☐ | ☒ | |
| 10. Other Permits | ☐ | ☐ | |
| 11. Other Commitments | ☒ | ☐ | Need surveys to determine |
| 12. Other Coordination | ☐ | ☒ | |

**Is a PAR required?** ☒ No ☐ Yes ☐ Completed – Date:

**NEPA/GEPA:** A Categorical Exclusion will be prepared. The Joseph W. Jones Ecological Research Center at Ichauway is being evaluated as a possible 4(f) resource.

**Ecology:** The ecology resource survey has been completed and the draft report prepared. There is one perennial river, Ichawaynochaway Creek, and potential habitat for 30 protected species. Additional species surveys, including an aquatic survey, remain to be completed.

**History:** The project is located within the boundary of a potentially eligible historic resource. The Joseph W. Jones Ecological Research Center at Ichauway, which is situated on 29,000 acres that was established as a quail hunting reserve in the 1920s by Robert W. Woodruff.

**Archeology:** The archaeology field survey has been completed and a Management Summary has been prepared. Two previously recorded sites and one isolated find were identified within the survey area. There is also one gravesite located within the project area. The portions of the previously recorded sites that fall within the project boundary and the one isolated find are recommended not eligible for the NRHP.

**Air & Noise:** A Type III noise assessment with no modeling required will be prepared for this project. In addition, the projects would be exempt from PM2.5 hotspot requirements and the air quality assessment will not require any carbon monoxide modeling.

**Public Involvement:** None is anticipated.

**Major stakeholders:** In addition to the traveling public, the major stakeholder identified for the project is the Joseph W. Jones Ecological Research Center at Ichauway and the Robert W. Woodruff Foundation.

## CONSTRUCTION

**Issues potentially affecting constructability/construction schedule:** *None*

**Early Completion Incentives recommended for consideration:** ☒ No ☐ Yes

## PROJECT RESPONSIBILITIES

**Project Activities:**

| Project Activity | Party Responsible for Performing Task(s) |
|---|---|
| Concept Development | *GDOT District 4 Design* |
| Design | GDOT District 4 Design |
| Right-of-Way Acquisition | GDOT |

| | |
|---|---|
| Utility Relocation | Utility Owners |
| Letting to Contract | GDOT |
| Construction Supervision | GDOT |
| Providing Material Pits | Contractor |
| Providing Detours | GDOT |
| Environmental Studies, Documents, & Permits | GDOT Task Order |
| Environmental Mitigation | GDOT |
| Construction Inspection & Materials Testing | GDOT |

**Lighting required:** ☒ No ☐ Yes

**Initial Concept Meeting:** *June 6, 2013*

**Concept Meeting: A Concept Team Meeting will not be held for this project.**

**Other projects in the area:** 0007154, Bridge Replacement; SR 216 over Ichawaynochaway Creek.

**Other coordination to date:** None

**Project Cost Estimate and Funding Responsibilities:**

| | Breakdown of PE | ROW | Utility | CST* | Environmental Mitigation | Total Cost |
|---|---|---|---|---|---|---|
| By Whom | GDOT | GDOT | GDOT | GDOT | GDOT | |
| $ Amount | $387,065.74 | $112,000.00 | $0.00 | $3,593,230.66 | $12,500.00 | $4,104,796.40 |
| Date of Estimate | 11/28/2011 | 2/22/2013 | 3/14/2013 | 2/27/2013 | 2/22/2013 | |

*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 approximately 36.43 mile detour for through traffic that would be required if an Off-Site detour is used.

| **Preferred Alternative:** *Replace bridge at existing location with traffic maintained on an On-site detour.* | | | |
|---|---|---|---|
| **Estimated Property Impacts:** | **1** | **Estimated Total Cost:** | **$3,593,230.66** |
| **Estimated ROW Cost:** | **$112,000.00** | **Estimated CST Time:** | **18 Months** |
| **Rationale:** An On-Site detour is the best alternative due to the lack of on-system roads in the area. Using an Off-Site would require trough traffic to be detoured approximately 36.43 miles. | | | |

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

| **Alternative 1:** *Replace bridge at existing location and maintain traffic on an Off-site Detour.* | | | |
|---|---|---|---|
| **Estimated Property Impacts:** | 1 | **Estimated Total Cost:** | **$2,665,087.43** |
| **Estimated ROW Cost:** | **$101,750.00** | **Estimated CST Time:** | **12 months** |
| **Rationale:** Using an Off-Site detour will cause through traffic to travel approximately 36.43 miles along on system roadways. Due to the length of an Off-Site detour and possible interruptions to emergency vehicles and school buses this alternative was abandoned. | | | |

**Comments:**

GDOT Office of Roadway Design policy directs that Highway Safety Manual (HSM) analysis is not accomplished for bridge replacement projects with 0.5-mile or less of roadway construction on each bridge approach. This project has less than 0.12-mile of roadway construction proposed on each approach thus a HSM analysis is not included.

**Attachments for Concept Meeting:**

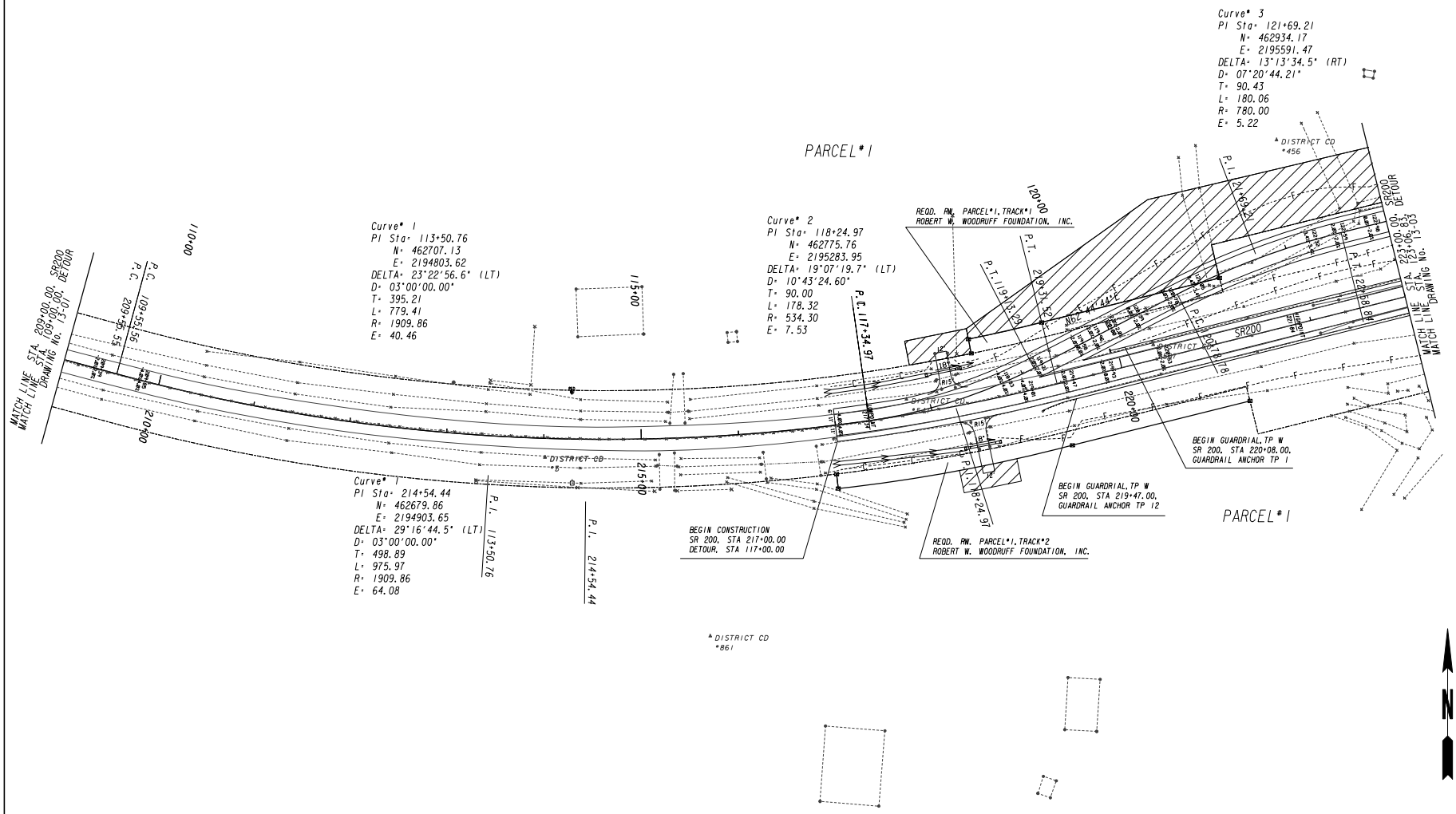
1. Concept Layouts
2. Typical sections
3. Detailed Cost Estimate
   Construction
   Fuel & Asphalt Price Adjustment
   Right-of-Way
   Utilities
   Mitigation
4. Traffic Counts
5. Bridge Inventory
6. Sign-In Sheet
7. Meeting Minutes
8. Local Government Responsibilities Letter

## APPROVALS

Concur: _____ 8/14/2013
Director of Engineering — Date

Approve: _____ 8/21/13
Chief Engineer — Date

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0007153, CSBRG-0007-00(1531)BAKER | | |




**GEORGIA**
**DEPARTMENT OF TRANSPORTATION**

SCALE IN FEET
0 50 100 200

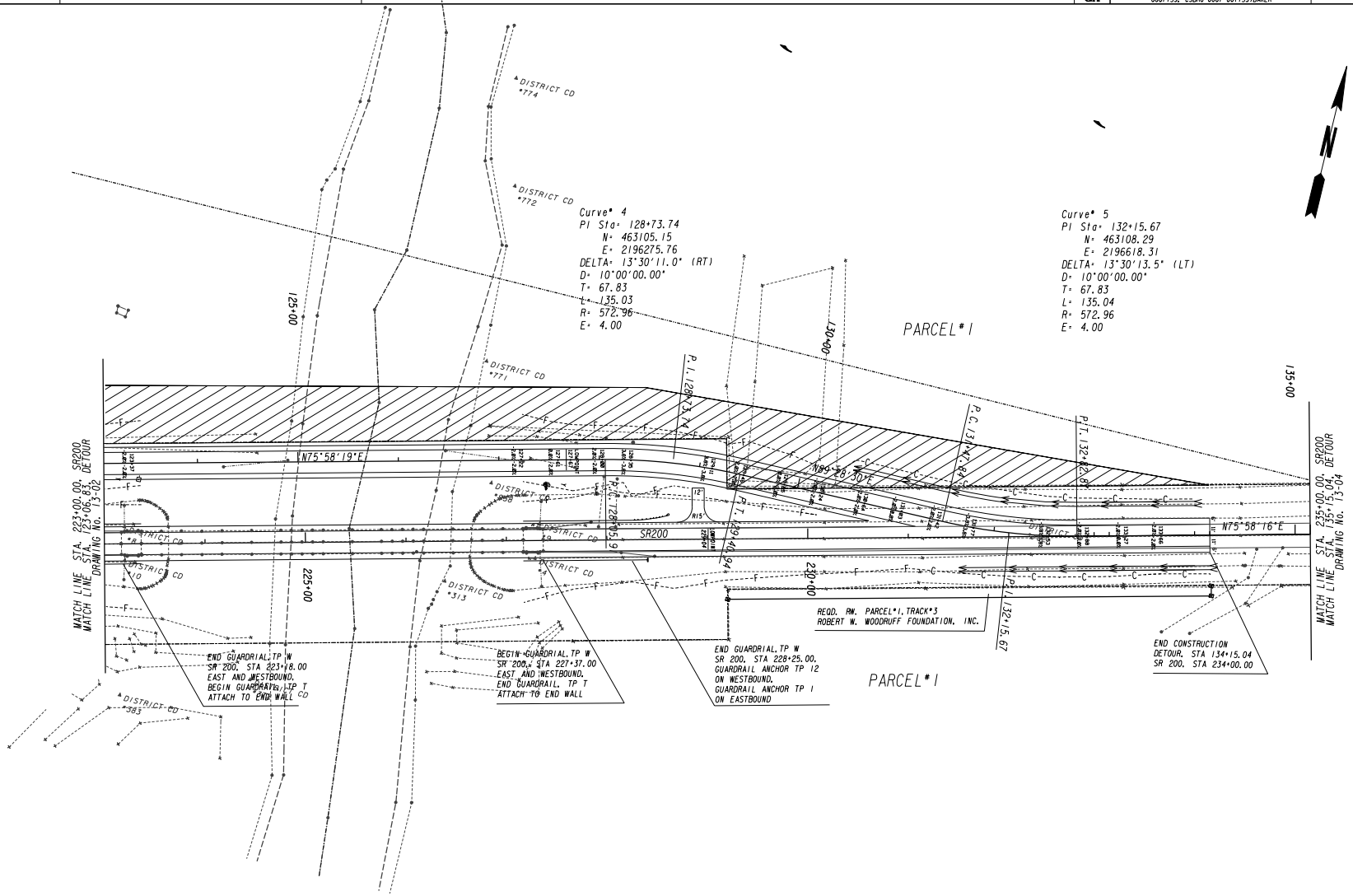
REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: D4-DESIGN
MAINLINE PLAN_CONCEPT

DRAWING No. 13-02

12/14/2012 GPLN

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA | 0007153, CSBRG-0007-00(153)BAKER | | |




**GEORGIA**
**DEPARTMENT OF TRANSPORTATION**

SCALE IN FEET
0 50 100 200

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: D4-DESIGN
MAINLINE PLAN_CONCEPT

DRAWING No. 13-03

12/14/2012 GPLN

## 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 0.5% OR GREATER | SECTION WITH GRADES LESS THAN 0.5% |
|---|---|
| 0.0150 FT/FT - MINIMUM | 0.0156 FT/FT - MINIMUM |
| 0.0208 FT/FT - DESIRABLE | 0.0208 FT/FT - DESIRABLE |
| 0.0250 FT/FT - MAXIMUM | 0.0300 FT/FT - MAXIMUM |

B. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

C. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

| | RATE OF CHANGE | CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT |
|---|---|---|
| MINIMUM | 1:150 | 0.67% |
| DESIRABLE | 1:200 | 0.50% |
| MAXIMUM | 1:300 | 0.33% |

LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE 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

NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).

SLOPE : SEE ROADWAY PLANS FOR SUPERELEVATION RATES AND TRANSITIONS.

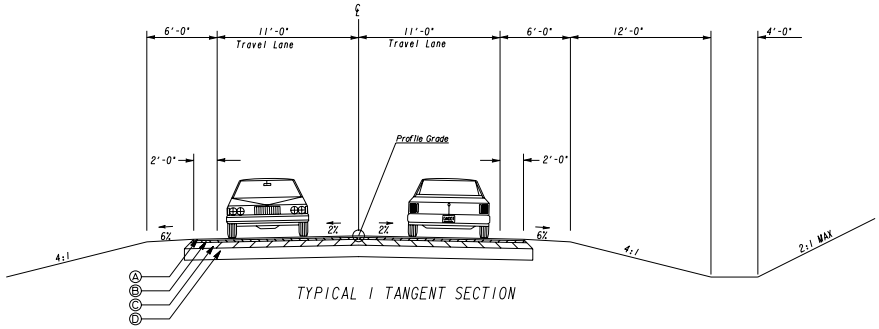
NOTE: FOR METHOD OF SUPERELEVATION SEE CONSTR PLAN & PROFILE SHEETS-CURVE DATA. LOCATIONS OF NORMAL CROWN & FULL S.E. NOTED ON CONSTR CENTERLINE.

* SEE PLAN SHEETS.

SHOULDER MAY BE GRADED AWAY FROM ROADWAY TO FACILITATE THE SLOPE TIE TO EXISTING GROUND.

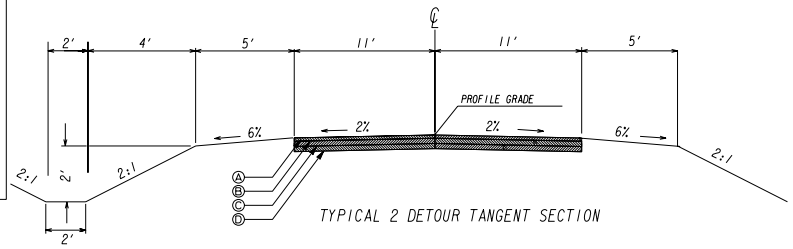
| SLOPE CONTROLS | | |
|---|---|---|
| SLOPE | CUT | FILL |
| 4:1 | —— | 0-10' |
| 2:1 | ALL | OVER 10' |

Ⓐ : 1.25" 9.5MM, SUPERPAVE, 135 LB/SY
Ⓑ : 2.00" 19MM, SUPERPAVE, 220 LB/SY
Ⓒ : 5.00" 25MM, SUPERPAVE, 550 LB/SY
Ⓓ : 8"GAB

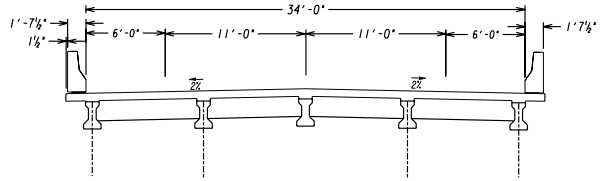



TYPICAL 1 TANGENT SECTION

CONST.

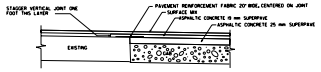



TYPICAL 2 DETOUR TANGENT SECTION

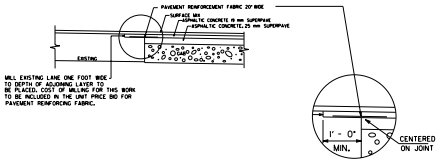



TYPICAL 3 BRIDGE SECTION

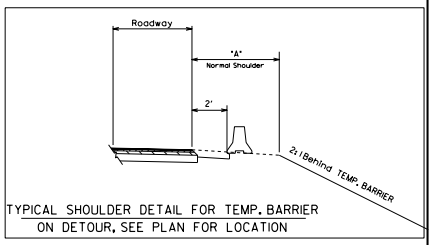
TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE OF ASPHALTIC CONCRETE



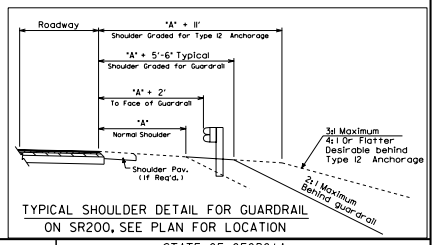

TYPICAL SECTION DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH LESS THAN TWO INCHES OF ASPHALTIC CONCRETE




NOTE: EXISTING LANE ONE FOOT WIDE TO DEPTH OF ADJACENT LAYER TO BE MILLED PRIOR TO PAVING. THIS WORK TO BE INCLUDED IN THE UNIT PRICE BID FOR PAVEMENT REINFORCING FABRIC.




TYPICAL SHOULDER DETAIL FOR TEMP. BARRIER ON DETOUR, SEE PLAN FOR LOCATION




TYPICAL SHOULDER DETAIL FOR GUARDRAIL ON SR200, SEE PLAN FOR LOCATION

GEORGIA DEPARTMENT OF TRANSPORTATION

SCALE IN FEET 0 5 10 20

REVISION DATES

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: D4- DESIGN

# TYPICAL SECTIONS

DRAWING No. 05-01

12/14/2012 GPLN

Processed Date:02/27/2013

CONCEPT LEVEL CONSTRUCTION COST ESTIMATE

Job: 0007153

JOB NUMBER: 0007153 FED/STATE PROJECT NUMBER:CSBRG-0007-00(153)BAKER
SPEC YEAR: 01
DESCRIPTION: BRIDGE REPLACEMENT ON SR 200 @ ICHAWAYNOCHAWAY

ITEMS FOR JOB 0007153

**0010 - ROADWAY**

| LINE NUMBER | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|---|---|---|---|---|---|---|
| 0005 | 150-1000 | 1 | LS | $14,300.00 | TRAFFIC CONTROL - CSBRG-0007-00(153) | $14,300.00 |
| 0010 | 210-0100 | 1 | LS | $582,774.00 | GRADING COMPLETE - CSBRG-0007-00(153) | $582,774.00 |
| 0015 | 310-5080 | 7513 | SY | $18.67 | GR AGGR BS CRS 8IN INCL MATL | $140,267.71 |
| 0020 | 402-1812 | 396 | TN | $98.50 | RECYL AC LEVELING INC BM&HL | $39,006.00 |
| 0025 | 402-3102 | 507 | TN | $90.92 | REC AC 9.5 MM SP TPII BL 1 INCL BM & HL | $46,096.44 |
| 0030 | 402-3121 | 2066 | TN | $82.70 | RECYL AC 25MM SP GP1/2 BM&HL | $170,858.20 |
| 0035 | 402-3190 | 845 | TN | $88.68 | RECYL AC 19 MM SP GP 1 OR 2 INC BM&HL | $74,934.60 |
| 0039 | 413-1000 | 1400 | GL | $3.25 | BITUM TACK COAT | $4,550.00 |
| 0324 | 432-5010 | 1800 | SY | $4.51 | MILL ASPH CONC PVMT VARB DEPTH | $8,118.00 |
| 0044 | 433-1200 | 200 | SY | $145.49 | REF CONC APPR SL/I SLOPED EDGE | $29,098.00 |
| 0049 | 441-0301 | 4 | EA | $1,700.00 | CONC SPILLWAY TP 1 | $6,800.00 |
| 0329 | 456-2015 | 0.25 | GLM | $4,000.00 | INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP) | $1,000.00 |
| 0054 | 500-3101 | 2 | CY | $625.00 | CLASS A CONCRETE | $1,250.00 |
| 0064 | 620-0100 | 1700 | LF | $27.00 | TEMP BARRIER METHOD NO. 1 | $45,900.00 |
| 0069 | 634-1200 | 10 | EA | $115.00 | RIGHT OF WAY MARKERS | $1,150.00 |
| 0074 | 641-1100 | 84 | LF | $61.00 | GUARDRAIL TP T | $5,124.00 |
| 0079 | 641-1200 | 600 | LF | $16.00 | GUARDRAIL TP W | $9,600.00 |
| 0084 | 641-5001 | 2 | EA | $650.00 | GUARDRAIL ANCHORAGE TP 1 | $1,300.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0089 | 641-5012 | 2 | EA | $2,000.00 | GUARDRAIL ANCHORAGE TP 12 | $4,000.00 |
| 0094 | 643-8200 | 4000 | LF | $2.25 | BARRIER FENCE (ORANGE) 4 FT | $9,000.00 |
| SUBTOTAL FOR ROADWAY: | | | | | | $1,195,126.95 |

**0020 - SIGNING AND MARKING**

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|---|---|---|---|---|---|---|
| 0099 | 636-1033 | 44 | SF | $22.00 | HWY SIGNS TP1MAT REFL SH TP 9 | $968.00 |
| 0104 | 636-2070 | 78 | LF | $8.00 | GALV STEEL POSTS TP 7 | $624.00 |
| 0314 | 636-5020 | 12 | EA | $28.00 | DELINEATOR TP 2 | $336.00 |
| 0109 | 652-5451 | 3500 | LF | $0.15 | SOLID TRAF STRIPE 5 IN WHITE | $525.00 |
| 0118 | 652-6502 | 1700 | GLF | $0.17 | SKIP TRAF STRIPE 5 IN YELLOW | $289.00 |
| 0119 | 654-1001 | 25 | EA | $3.00 | RAISED PVMT MARKERS TP 1 | $75.00 |
| 0124 | 657-1085 | 1700 | LF | $6.00 | PRF PL SD PVT MKG 8" B/W TP PB | $10,200.00 |
| 0309 | 657-3086 | 1700 | GLF | $3.00 | FPR PL SK PVMT MKG 8" B/Y TPPB | $5,100.00 |
| SUBTOTAL FOR SIGNING AND MARKING: | | | | | | $18,117.00 |

**0030 - BRIDGE**

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|---|---|---|---|---|---|---|
| 0339 | 540-1102 | 1 | LS | $392,000 | REM OF EX BR BR NO-1 | $196,000.00 |
| 0164 | 541-0001 | 1 | LS | $250,000.00 | DETOUR BRIDGE - 38' X 388' STA 123+25 | $250,000.00 |
| | 543-9000 | 14744 | SF | $100.00 | CONSTRUCTION OF BRIDGE COMPLETE 38'X 388' | $1,474,400.00 |
| 0168 | 603-2024 | 500 | SY | $61.00 | STN DUMPED RIP RAP TP 1 24" | $30,500.00 |
| 0169 | 603-7000 | 500 | SY | $4.00 | PLASTIC FILTER FABRIC | $2,000.00 |
| SUBTOTAL FOR BRIDGE: | | | | | | $1,952,900.00 |

**0040 - TEMPORARY EROSION CONTROL**

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|---|---|---|---|---|---|---|
| 0174 | 163-0232 | 6 | AC | $300.00 | TEMPORARY GRASSING | $1,800.00 |
| 0179 | 163-0240 | 50 | TN | $225.00 | MULCH | $11,250.00 |
| 0184 | 163-0300 | 6 | EA | $1,200.00 | CONSTRUCTION EXIT | $7,200.00 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 0189 | 163-0520 | 450 | LF | $15.00 | CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN | $6,750.00 |
| 0194 | 163-0528 | 1700 | LF | $3.00 | CONSTR AND REM FAB CK DAM -TP C SLT FN | $5,100.00 |
| 0199 | 163-0529 | 3400 | LF | $3.75 | CNST/REM TEMP SED BAR OR BLD STRW CK DM | $12,750.00 |
| 0204 | 165-0030 | 3400 | LF | $1.00 | MAINT OF TEMP SILT FENCE TP C | $3,400.00 |
| 0209 | 165-0041 | 400 | LF | $2.50 | MAINT OF CHECK DAMS - ALL TYPES | $1,000.00 |
| 0214 | 165-0071 | 1700 | LF | $1.00 | MAINT OF SEDIMENT BARRIER - BALED STRAW | $1,700.00 |
| 0219 | 165-0101 | 6 | EA | $700.00 | MAINT OF CONST EXIT | $4,200.00 |
| 0224 | 167-1000 | 2 | EA | $500.00 | WATER QUALITY MONITORING AND SAMPLING | $1,000.00 |
| 0229 | 167-1500 | 18 | MO | $500.00 | WATER QUALITY INSPECTIONS | $9,000.00 |
| 0234 | 171-0030 | 13600 | LF | $3.00 | TEMPORARY SILT FENCE TYPE C | $40,800.00 |
| SUBTOTAL FOR TEMPORARY EROSION CONTROL: | | | | | | $105,950.00 |

**0050 - PERMANENT EROSION CONTROL**

| Line Number | ITEM | QUANTITY | UNITS | PRICE | DESCRIPTION | AMOUNT |
|---|---|---|---|---|---|---|
| 0269 | 603-2180 | 100 | SY | $47.00 | STN DUMPED RIP RAP TP 3 12" | $4,700.00 |
| 0264 | 603-7000 | 100 | SY | $4.00 | PLASTIC FILTER FABRIC | $400.00 |
| 0239 | 700-6910 | 6 | AC | $1,000.00 | PERMANENT GRASSING | $6,000.00 |
| 0244 | 700-7000 | 10 | TN | $65.00 | AGRICULTURAL LIME | $650.00 |
| 0249 | 700-8000 | 6 | TN | $550.00 | FERTILIZER MIXED GRADE | $3,300.00 |
| 0254 | 700-8100 | 200 | LB | $2.30 | FERTILIZER NITROGEN CONTENT | $460.00 |
| 0259 | 716-2000 | 6000 | SY | $1.25 | EROSION CONTROL MATS SLOPES | $7,500.00 |
| SUBTOTAL FOR PERMANENT EROSION CONTROL: | | | | | | $23,010.00 |

**TOTALS FOR JOB 0007153**

| | |
|---|---|
| ITEMS COST: | $3,295,103.95 |
| ESTIMATED COST: | $3,295,103.95 |
| FUEL PRICE ADJUSTMENT: | $133,371.51 |
| ENGINEERING AND INSPECTION(5%): | $164,755.20 |
| ESTIMATED COST AND E&I: | $3,593,230.66 |

Date 8/5/2013

P.I. Number **0007153** County **Baker Co.**

Project Number **CSBRG-0007-00(153)**

**Special Provision, Section 109-Measurement and Payment**

# FUEL PRICE ADJUSTMENT *(ENGLISH 125% MAX)*

| | |
|---|---|
| ENTER FPL DIESEL | 3.981 |
| ENTER FPM DIESEL | 8.957 |

| | |
|---|---|
| ENTER FPL UNLEADED | 3.463 |
| ENTER FPM UNLEADED | 7.79175 |

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)** | | 0.29 | | 0.24 | | |
| 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)** | | 2.90 | | 0.71 | | |
| 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=** | | **SUM QF UNLEADED=** | |

| | |
|---|---|
| **DIESEL PRICE ADJUSTMENT($)** | |
| **UNLEADED PRICE ADJUSTMENT($)** | |

# ASPHALT CEMENT PRICE ADJUSTMENT
## (BITUMINOUS TACK COAT 125% MAX)

*APPLICABLE TO CONTRACTS/PROJECTS CONTAINING THE 413 SPECIFICATION, SECTION 413.5.01 ADJUSTMENTS*
*ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT*

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

**ENTER APL** 565 **ENTER APM** 1271.25

| 125.00% | INCREASE ADJUSTMENT |
|---|---|

| L.I.N. | TYPE | TACK (GALLONS) | TACK (TONS) | REMARKS |
|---|---|---|---|---|
| 413-1000 | PG 67-22 | 1400 | 6.0131 | |

**TMT =** 6.0131

| PRICE ADJUSTMENT($) | $4,076.91 |
|---|---|

# 400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX

**ENTER APL** 565 **ENTER APM** 1271.25

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

| 125.00% | INCREASE ADJUSTMENT |
|---|---|

| L.I.N. / Spec Number | MIX TYPE | HMA | JMF AC% | AC | REMARKS |
|---|---|---|---|---|---|
| 402-1812 | | 396 | 5.00 | 19.80 | Leveling |
| 402-3102 | 12.5 mm SP | 507 | 5.00 | 25.35 | |
| 402-3121 | 25 mm SP | 2066 | 5.00 | 103.30 | |
| 402-3190 | 19 mm SP | 845 | 5.00 | 42.25 | |
| | | | 5.00 | | |
| | | | 5.00 | | |
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| | | | 5.00 | | |
| | | | 5.00 | | |
| | | | TMT = | 190.70 | |

| PRICE ADJUSTMENT($) | $129,294.60 |
|---|---|

# 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 = | | |
| REMARKS: | | |

**Use this side for Asphalt Cement Only**

| L.I.N. | TYPE | TACK (GALLONS) |
|---|---|---|
| | | |
| TMT = | | |
| REMARKS: | | |

| MONTHLY PRICE ADJUSTMENT($) | MISSING APL OR APM |
|---|---|

## ADJUSTMENT SUMMARY

| | |
|---|---|
| FUEL PRICE ADJUSTMENT *(ENGLISH 125% MAX)* | |
| DIESEL PRICE ADJUSTMENT($) | |
| UNLEADED PRICE ADJUSTMENT($) | |
| ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX) | $4,076.91 |
| 400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX | $129,294.60 |
| ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX) | MISSING APL OR APM |
| REMARKS: | |

| TOTAL ADJUSTMENTS | $133,371.51 |
|---|---|

DWM 10/08

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 2/22/2013 Project: CSBRG-0007-00(153)
Revised: County: Baker County
PI: 0007153
Description: Bridge Replacement SR 200 @ Ichawaynoochavday
Project Termini: Bridge Replacement SR 200 @ Ichawaynoochavday
Existing ROW: Varies
Parcels: 1 Required ROW: Varies

| | | |
|---|---|---|
| Land and Improvements | | $56,325.00 |
| *Proximity Damage* | *$0.00* | |
| *Consequential Damage* | *$0.00* | |
| *Cost to Cures* | *$0.00* | |
| *Trade Fixtures* | *$0.00* | |
| *Improvements* | *$25,000.00* | |
| Valuation Services | | $1,000.00 |
| Legal Services | | $38,175.00 |
| Relocation | | $2,000.00 |
| Demolition | | $0.00 |
| Administrative | | $14,500.00 |
| TOTAL ESTIMATED COSTS | | $112,000.00 |
| ***TOTAL ESTIMATED COSTS (ROUNDED)*** | | ***$112,000.00*** |

| Preparation Credits | Hours | Signature |
|---|---|---|
| | | |
| | | |
| | | |

Prepared By: LaShone Alexander CG#: 286999 02/22/2013 (DATE)
Approved By: LaShone Alexander CG#: 286999 02/22/2013 (DATE)

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

allsop

# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

**FILE**

Project No: CSBRG-0007-00(153)

County Baker

P.I. # 0007153

Description: SR 200 @ ICHAWAYNOCHAWAY CREEK

OFFICE: **Tifton**

DATE: **March 14, 2013**

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

**TO** David Moyer, Project Manager

**SUBJECT** **UTILITY COST ESTIMATE**

A review of utilities located on the above referenced project has been conducted based on the latest available plans.. Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

| Utility Owner | Reimbursable | Non-Reimbursable | Estimate Based on |
|---|---|---|---|
| **Bellsouth** | **$0.00** | **8,345.89** | **Site Visit / Available Drawings** |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| | **$0.00** | **$0.00** | |
| **Total** | **$ 0.00** | **$ 8,345.89** | |

**** Indicates Potential Utility Aid Request from Local Gov't**

Estimate is based on the best available information at the current stage, unforeseen prior rights information may be provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact me or Ken Cheek Utilities Engineer at (229) 386-3288.

TW: KC

c: Patrick Allen, State Utilities Preconstruction Engineer
Brent Thomas, District Preconstruction Engineer

Project: CSBRG-0007-00(153)

County: Baker

PI: 0007153

Date: March 14,2013

# PRELIMINARY COST ESTIMATE

| | | | | | | | Total REIMB. | Total Non-REIMB. | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | $8,345.89 | | |
| | | | LEFT | LEFT | RIGHT | RIGHT | | | | |
| Utility Company | Item | Unit Cost | OFF RW | ON RW | OFF RW | ON RW | Reimbursable | Non Reimbursable | REIMB. COMPANY TOTAL | Non-REIMB. COMPANY TOTAL |
| Bellsouth | telephone pole 40-4 | $834.73 | | | | 2 | | 1,669.47 | | 1,669.47 |
| Bellsouth | Telephone Buried Cable 100 ) | $4.45 | | | | 1500 | | 6,676.43 | | 6,676.43 |
| | - | | | | | | | | | |
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**DEPARTMENT OF TRANSPORTATION**
**STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. No. 0007153 **OFFICE** Environmental Services

**DATE** February 22, 2013

**FROM** Glenn Bowman, P.E., State Environmental Administrator

**TO** David Moyer, Project Manager

**SUBJECT** Preliminary Mitigation Cost Estimate

As requested by your office, we are furnishing you with a revised preliminary cost estimate for the subject project. The project is located on SR 200 southwest of Newton, Georgia over Ichawaynochaway Creek in Baker County. After reviewing the plans and based on the information provided, wetlands will be permanently and temporarily impacted by the proposed project. The revised estimated cost for mitigation is $12,500.00.

**DISCLAIMER: This information is based solely on a desktop review of the information available. Only after a field reconnaissance, can a more detailed and accurate cost be estimated.**

Thank you for your cooperation and expeditious handling of this matter. If you have any questions or need additional information, please contact Lisa Westberry (404) 631-1772 of our office.

GB/HDC/lmw

cc: Sandy Griffin, GDOT
General File

# Department of Transportation
# State of Georgia

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INTERDEPARTMENT CORRESPONDENCE

**FILE** CSBRG-0007-00(153), Baker County
P.I. # 0007153

**OFFICE** Planning

**DATE** December 21, 2011

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

**TO** Bobby Hilliard, P.E., State Program Delivery Engineer
**Attention:** Ryan Fernandez

**SUBJECT** Traffic Link Volume for S.R. 200 @ Ichawaynochaway Creek.

Traffic Link Volume for the above project is attached below:

**Traffic Count # 159**
**BUILD = NO BUILD**

2009 ADT = 500
2018 ADT = 575
2038 ADT = 725
2009 DHV = 50
2018 DHV = 60
2038 DHV = 75
D = 60%
K = 10%
T = 26%
S.U. = 18%
COMB. = 8%
24 HR. T. = 30%
S.U. = 20.5%
COMB. = 9.5%

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

CLV/AFE

# Traffic Projections/Forecasting Summary Sheet

CSBRG-0007-00(153), P.I. # 0007153

Baker County

**Year the coverage counts** were taken 2009 & 2010.

## Growth Factors

| **Build** | **No Build** |
|---|---|
| ***Growth for Build*** | ***Growth for No Build*** |
| Existing Year to Base Year 1.5% | Existing to Base Year 1.5% |
| Base Year to Design Year 1.2% | Base to Design Year 1.2% |
| K = 10% | K = 10% |
| D = 60% | D = 60% |

## Assumptions

- Looked at 15 year trend, there is no growth in the area.

**Processed Date:3/29/2013**

**Parameters: Bridge Serial Num**

# Bridge Inventory Data Listing

**Structure ID:007-0006-0** **Baker** **SUFF. RATING:** 55.63

**Location & Geography**

| | |
|---|---|
| **Structure ID:** | 007-0006-0 |
| 200 Brdge Information: | 06 |
| *6A Feature Int: | ICHAWAYNOCHAWAY CREEK |
| *6B Critical Bridge: | 0 |
| *7A Route No Carried: | SR00200 |
| *7B Facility Carried: | SR 200 |
| 9 Location: | APP 10 MI WSW OF NEWTON |
| 2 Dot District: | 4 |
| 207 Year Photo: | 2013 |
| *91 Inspection Frequency: | 24 Date: 01/02/2013 |
| 92A Fract Crit Insp Freq: | 0 Date: 02/01/1901 |
| 92B Underwater Insp Freq: | 1 Date: 10/31/2012 |
| 92C Other Spc. Insp Freq: | 0 Date: 02/01/1901 |
| * 4 Place Code: | 00000 |
| *5 Inventory Route(O/U): | 1 |
| Type: | 3 |
| Designation: | 1 |
| Number: | 00200 |
| Direction: | 0 |
| *16 Latitude: | 31 - 16.3503 HMMS Prefix:SR |
| *17 Longtitude: | 84 -29.3262 HMMS Suffix:00 MP:9.53 |
| 98 Border Bridge: | 000%Shared:00 |
| 99 ID Number: | 000000000000000 |
| *100 STRAHNET: | 0 |
| 12 Base Highway Network: | 1 |
| 13A LRS Inventory Route: | 71020000 |
| 13B Sub Inventory Route: | 0 |
| 101 parellel Structure: | N |
| *102 Direction of Traffic: | 2 |
| *264 Road Inventory Mile Post: | 009.54 |
| *208 Inspection Area: | 4 Initials: EFP |
| Engineer's Initials: | JTB |
| * Location ID No: | 007-00200D-009.53E |

| | |
|---|---|
| *104 Highway System: | 0 |
| *26 Functional Classification: | 07 |
| *204 Federal Route Type: | S No: 01190 |
| 105 Federal Lands Highway: | 0 |
| *110 Truck Route: | 0 |
| 2006 School Bus Route: | 1 |
| 217 Benchmark Elevation: | 0154.00 |
| 218 Datum: | 1 |
| *19 Bypass Length: | 09 |
| *20 Toll: | 3 |
| *21 Maintanance: | 01 |
| *22 Owner: | 01 |
| *31 Design Load: | 2 |
| 37 Historical Significance: | 5 |
| 205 Congressional District: | 02 |
| 27 Year Constructed: | 1956 |
| 106 Year Reconsrtucted: | 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: | 1 |
| *42 Type of Service On: | 1 |
| Type of Service Under: | 5 |
| 214 Movable Bridge: | 0 |
| 203 Type Bridge: | O |
| 259 Pile Encasement | 3 |
| *43 Structure Type Main: | 4 02 |
| 45 No.Spans Main: | 006 |
| 44 Structure Type Appr: | 0 00 |
| 46 No Spans Appr: | 0000 |
| 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 |

**Signs & Attachments**

| | |
|---|---|
| 225 Expansion Joint Type: | 04 |
| 242 Deck Drains: | 1 |
| 243 Parapet Location: | 0 |
| Height: | 0 |
| Width: | 0 |
| 238 Curb Height: | 1 |
| Curb Material: | 1 |
| 239 Handrail | 1 1 |
| *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 Aproach Slab | 3 |
| 224 Retaining Wall: | 0 |
| 233Posted Speed Limit: | 55 |
| 236 Warning Sign: | 1.00 |
| 234 Delineator: | 1.00 |
| 235 Hazzard Boards: | 1 |
| 237 Utilities Gas: | 00 |
| Water: | 00 |
| Electric: | 00 |
| Telephone: | 00 |
| Sewer: | 00 |
| 247 Lighting Street: | 0 |
| Navigation: | 0 |
| Aerial: | 0 |
| *248 County Continuity No.: | 00 |



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**Processed Date:3/29/2013**

**Parameters: Bridge Serial Num**

# Bridge Inventory Data Listing

**Structure ID:**007-0006-0

**Programming Data**

| | |
|---|---|
| 201 Project No: | BA (3) 1876-B (10) |
| 202 Plans Available: | 4 |
| 249 Prop Proj No: | BRG-0007-00(153) |
| 250 Approval Status: | 0000 |
| 251 PI Number: | 0007153 |
| 252 Contract Date: | 02/01/1901 |
| 260 Seismic No: | 00000 |
| 75 Type Work: | 00 0 |
| 94 Bridge Imp: Cost: | $1,485 |
| 95 Roadway Imp. Cost: | 148 |
| 96 Total Imp Cost: | 2227 |
| 76 Imp Length: | 000000 |
| 97 Imp Year: | 2013 |
| 114Furure ADT: | 000735 Year:2031 |

**Hydralic Data**

| | |
|---|---|
| 215Waterway Data: | |
| High Water Elev: | 0133.9 Year:1973 |
| Flood Elev: | 0000.0 Freq:00 |
| Avg Streambed Elev: | 0109.7 |
| Drainage Area: | 00000 |
| Area of Opening: | 012600 |
| 113 Scour Critical | U |
| 216Water Depth: | 06.5 Br.Height:38.2 |
| 222Slope Protection: | 6 |
| 221Slope Protection | 0 Fwd:0 |
| 219Fender System | 0 |
| 220Dolphin: | 0 |
| 223Current Cover: | 000 |
| Type: | 0 |
| No. Barrels: | 0 |
| * Width: | 0.00 Height:0.00 |
| * Length: | 0 Apron:0 |
| 265 U/W Insp. Area | 1 Diver:WSR |
| Location ID No: | 007-00200D-009.53E |

**Measurements:**

| | |
|---|---|
| *29ADT | 000490 Year:2011 |
| 109%Trucks: | 0 |
| * 28 Lanes On: | 02 Under:00 |
| 210 No. Tracks On: | 00 Under:00 |
| * 48 Max. Span Length | 0100 |
| * 49 Structure Length: | 380 |
| 51 Br. Rwdy. Width | 24.00 |
| 52 Deck Width: | 30.00 |
| * 47 Tot. Horiz. Cl: | 24 |
| 50 Curb / Sidewalk Width | 2.00 / 2.00 |
| 32 Approach Rdwy. Width | 020 |
| *229 Shoulder Width: | |
| Rear Lt: | 7.00 Type:8 Rt:7.00 |
| Fwd. Lt: | 7.00 Type:8 Rt:7.00 |
| Permanent Width: | |
| Rear: | 20.00 Type:8 |
| | 20.00 Type:2 |
| Intersaction Rear: | 0 Fwd: 0 |
| 36Safety Features Br. Rail: | 2 |
| 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: | 0.00 |
| *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 | 6.00 |
| Deck Thick Approach: | 0.00 |
| 246 Overlay Thickness: | 0.00 |
| 212 Year Last Painted: | Sup:1983Sub:1983 |

| | |
|---|---|
| 65 Inventory Rating Mathod: | 1 |
| 63 Operating Rating Method: | 1 |
| 66 Inventory Type: | 2 Rating: 15 |
| 64 Operating Type: | 2 Rating: 15 |
| 231Calculated Loads: | |
| H-Modified: | 21 1 |
| HS-Modified: | 27 1 |
| Type 3: | 25 1 |
| Type 3s2: | 37 1 |
| Timber: | 30 1 |
| Piggyback: | 40 0 |
| 261 H Inventory Rating: | 13 |
| 262 H Operating Rating | 22 |
| 67 Structural Evaluation: | 4 |
| 58 Deck Condition: | 7 |
| 59 Superstructure Condition: | 7 |
| * 227 Collision Damage: | 0 |
| 60A Substructure Condition: | 6 |
| 60B Scour Condition: | 7 |
| 60C Underwater Condition | 6 |
| 71 Waterway Adequacy: | 8 |
| 61 Channel Protection Cond.: | 6 |
| 68 Deck Geometry: | 4 |
| 69 UnderClr. Horz/Vert: | N |
| 72 Appr. Alignment: | 7 |
| 62 Culvert: | N |

**Posting Data**

| | |
|---|---|
| 70 Bridge Posting Required | 2 |
| 41 Struct Open, Posted, CL: | P |
| * 103 Temporary Structure: | 0 |
| 232 Posted Loads | |
| H-Modified: | 21 |
| HS-Modified: | 27 |
| Type 3: | 25 |
| Type 3s2: | 37 |
| Timber: | 30 |
| Piggyback | 00 |
| 253 Notification Date: | 02/01/1901 |
| 258 Fed Notify Date: | 2/1/1901 12:00:00AM |



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0007153 Baker

**PROJECT:** SR 200 over ICHAWAYNOCHANAY CREEK BRIDGE REPLACEMENT

**DATE:** 12/~~[illegible]~~ 6/5/12

| NAME | ORGANIZATION | E-MAIL |
|---|---|---|
| D. Moyer | OPD | |
| Sandy Griffin | ODE | sgriffin@dot.ga.gov |
| Shane Pridgen | District Planning | spridgen@dot.ga.gov |
| Steve Lasseter | Design | |
| DONNA GARRISON | ENG. SERVICES | dgarrison@dot.ga.gov |
| Randy Rathburn | District Construction | rrathburn@dot.ga.gov |
| Van Mason | Dist. Traffic | vmason " " |
| Darin G. Purvis | Eng. Services | dpurvis@ " " " |
| Judy Bailey | AT&T | JB0322@ATT.COM |
| Anthony Tate | Environmental Services | atate@dot.ga.gov |
| BRENT THOMAS | GDOT DISTRICT PROJECT ENG. | bthomas@dot.ga.gov |
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| Lyn Clements | | |

# Department of Transportation
# State of Georgia

**Initial Concept Meeting Minutes**
**June 5, 2013**

**Project No.** **CSBRG-0007-00(153), Baker Co.**
**PI No.** **0007153**
**Description** **SR 200 @ Ichawaynochaway Creek**

An Initial Concept Team Meeting was held for the subject project on June 5, 2013. The meeting was requested and conducted by David Moyer, Project Manager. The meeting was held at the GDOT District Office in Tifton and began at 1:05 pm. The meeting began with introduction and then Mr. Moyer read through the draft concept report. David also stated that an on-site detour was to be used on the project due to the length required for an off-site detour.

Mr. Moyer asked the Offices of Construction, Traffic Operations, Utilities, and Environmental if they had any comments and none of the offices had anything to discuss.

Ralph S. Griffin, District Design Engineer, stated that there was a possible gravesite located at the northwest quadrant of the project area but outside of the proposed limits of the project. The property owner had notified the survey crew of the location.

David asked Ralph Griffin to discuss the proposed design for the project.

Mr. Griffin presented the project and explained that the on-site detour was needed due to the length required to detour traffic onto on-system roadways. Mr. Griffin also stated that since the project was located in the middle of a plantation that there were no local roads available for the locals to take and they would have to follow on-system roads also.

Mr. Moyer then asked Mr. Griffin if an alternate was considered to realign the roadway and use the existing bridge as the detour. Mr. Griffin said that due to the existing horizontal curves, the cost of realigning and purchasing the additional R/W would cause no savings to the project and possibly cause additional environmental impacts. Also due to the location of the project any impacts need to be kept to a minimum.

Mr. Moyer asked the concept team if they had anything else they wanted to discuss and none of the offices had any further concerns.

David told the concept team that this Initial Concept Meeting could serve as the Concept Team Meeting and no other meeting will be held.

David Moyer adjourned the meeting at 1:40 pm.

Ralph S. Griffin, District Design Engineer

# Department of Transportation

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COMMISSIONER
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CHIEF ENGINEER
(404) 656-5277

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

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

EARL L. MAHFUZ
TREASURER
(404) 656-5224

November 29, 2006

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

Dear Chairman Moye:

Subject: Local Government Responsibilities

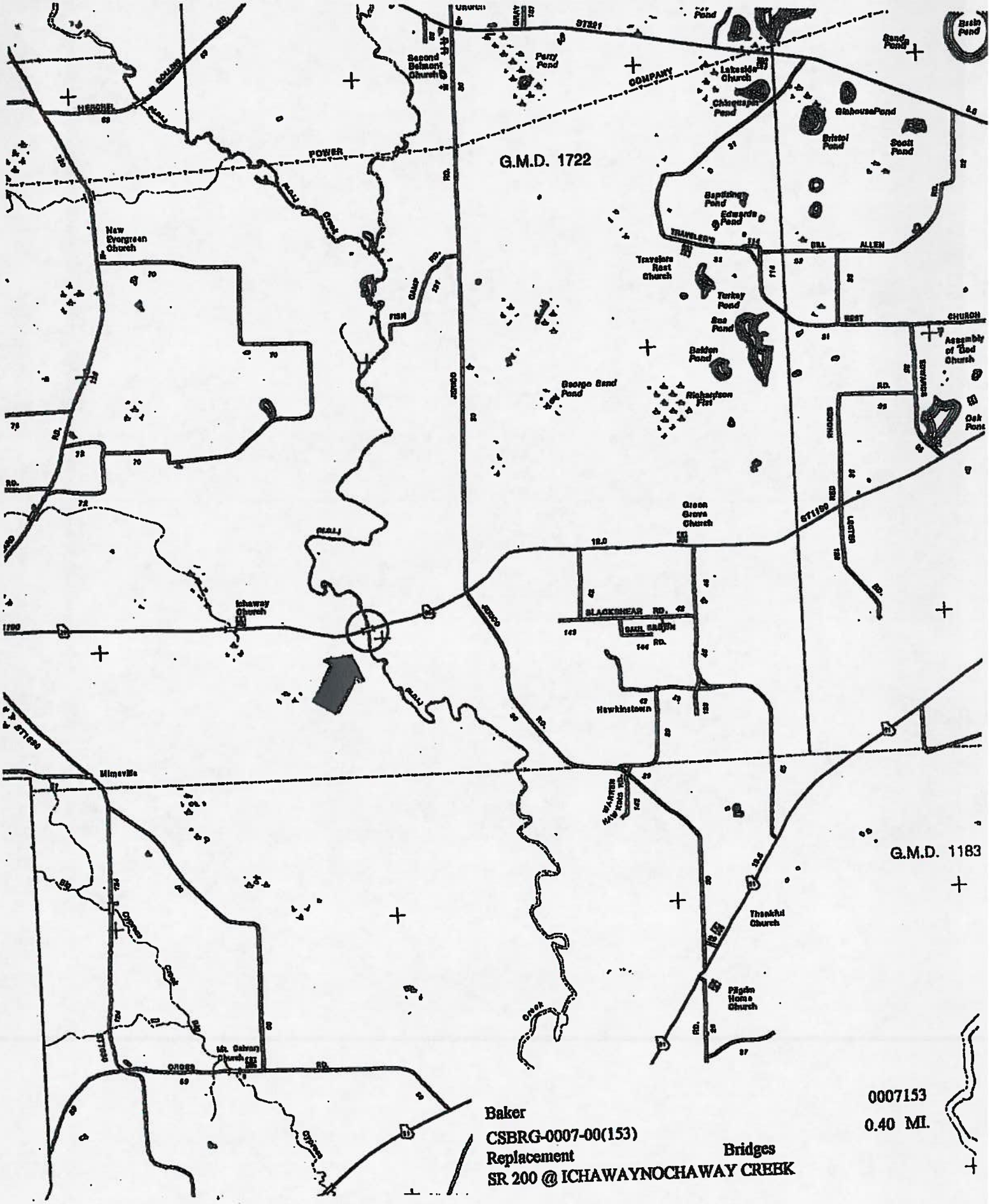
Project No. CSBRG-0007-00(153) Baker Co. PI# 0007153
SR 200 @ ICHAWAYNOCHAWAY CREEK

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.


G.M.D. 1722
G.M.D. 1183
Second Belmont Church
Perry Pond
Lakeside Church
Chinquapin Pond
Glahouse Pond
Bristol Pond
Scott Pond
Sand Pond
Bath Pond
Baptizing Pond
Edwards Pond
Travelers Rest Church
Turkey Pond
Bee Pond
Belden Pond
George Sand Pond
Richardson Pit
Assembly of God Church
Oak Pond
New Evergreen Church
Green Grove Church
Ichaway Church
Hawkinstown
Mineville
Thankful Church
Pilgrim Home Church
Mt. Calvary Church
POWER
COMPANY
HERSCHEL
COLLINS
RD.
ST321
TRAVELER'S
REST
CHURCH
BILL
ALLEN
FISH
CAMP
JERICO
BLACKSHEAR
BAIL SMITH
RED
LUTTER
ST1150
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ORGAN
ORGAN
ORGAN

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

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

Sincerely yours,

James T. Simpson

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