

Project Concept Report Page: 1
Project Number: CSBRG-0007-00(959)
P. I. Number: 0007959
County: Irwin

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Project Concept Report
Project Number: CSBRG-0007-00(959)
County: Irwin
P I Number: 0007959
Federal Route Number: N/A
State Route Number: N/A

Bridge Replacement on CR 252 @ Willacoochee River

Submitted for approval:

DATE: 6-29-10

Joe W. Moffield
Office Head
Ralph G. Luffin
Project Manager

DATE: 6-29-10

Recommendation for approval:

DATE: _____

Program Control Administrator

DATE: 8/23/2010

*Glenn Bowman MGJ
State Environmental Administrator

DATE: 7/9/2010

*Kathy Zahul MGJ
State Traffic Engineer

DATE: 7/12/2010

*Ron Wishon MGJ
Project Review Engineer

DATE: 7/20/2010

*Lee Upkins for MGJ
State Utilities Engineer

DATE: 6-29-10

Joe W. Moffield
District Engineer

DATE: 8/25/2010

*Paul Liles MGJ
State Bridge Design Engineer

DATE: _____

State Transportation Financial Management Administrator

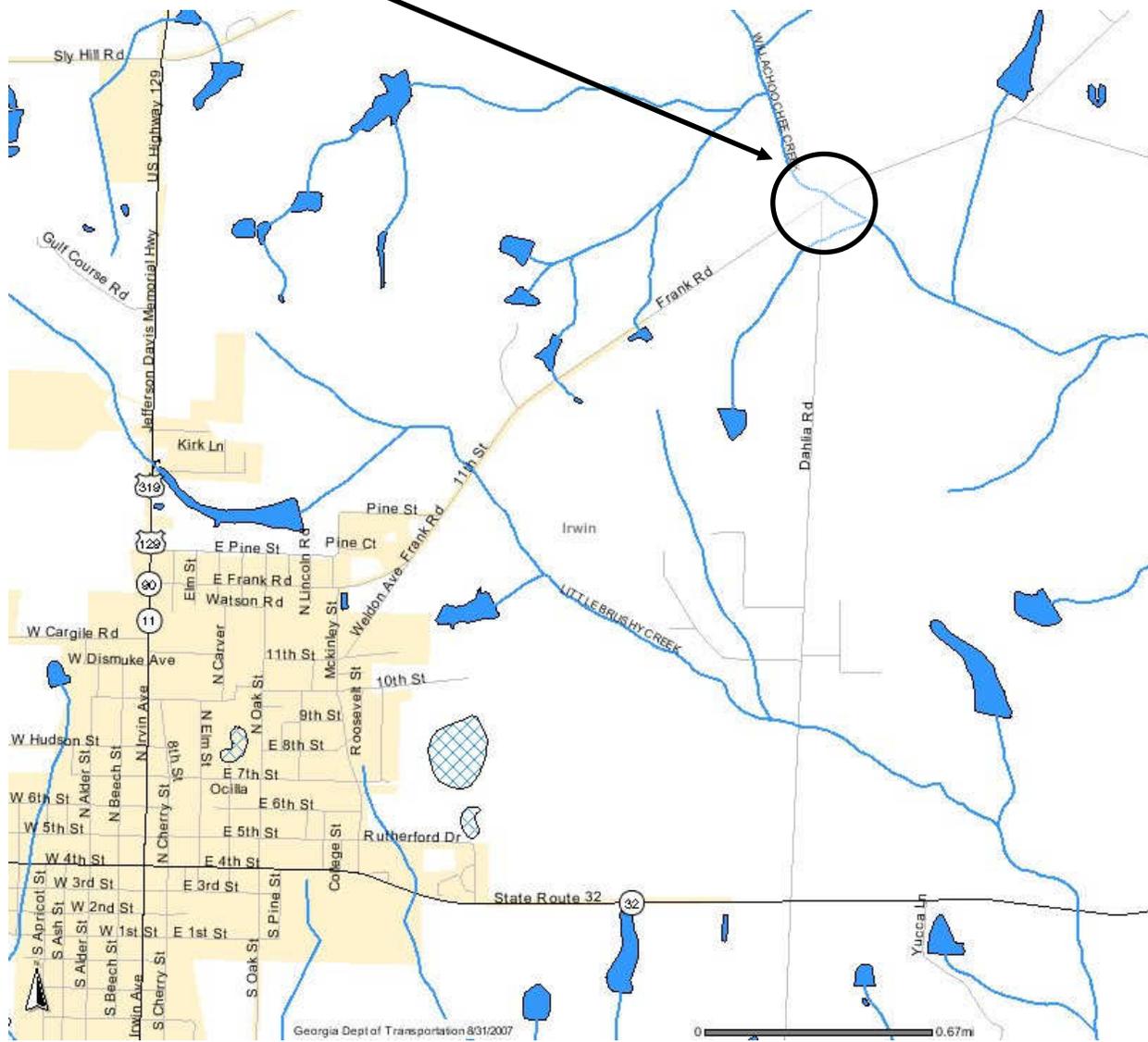
This concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE: 7/15/10

Angela S. Alexander
State Transportation Planning Administrator

*Recommendation on File

Project Location



State of Georgia Department of Transportation
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NEED AND PURPOSE

Project CSBRG-0007-00(959) will replace the bridge on CR 252 over Willacoochee River, 2 miles northeast of Ocilla, in Irwin County. This project is currently included in the 2008-2011 STIP. This section of CR 252 is a two-lane road, school route and is classified as a rural major collector with a posted speed limit of 55 mph. This is not a designated truck route or a bike route.

The bridge (Structure ID 155-0032-0) was built in 1954 with 14-15'0" spans of 4'3" wide by 8" deep concrete panels on concrete caps with timber piles and is posted from 9 to 15 tons with a 43.57 sufficiency rating. The deck has a rough surface with exposed aggregate; several spans are out of alignment (maximum is span 11-2.5 inches); spalls in many of the concrete panels and several spalls have exposed reinforcing steel. Bents 2, 4, and 10 have crutch bents and bents 3 and 5 have a pile with 80% section loss. Replacement of this structurally deficient bridge is recommended.

The annual average daily traffic (AADT) on this section of roadway was 525 in the year 2006, which is a Level of Service "A". The year 2013 AADT is expected to be 600 which represent a Level of Service "A". The projected year 2033 traffic is 775 AADT which also represents a Level of Service "A". Level of Service "A", "B" or "C" is considered to be acceptable traffic conditions. Eight and a half percent (8.5%) of the traffic volume is truck traffic.

Irwin County's population grew by 14.8% between 1990 and 2000 to a total population of 9,931. The project is located in Census tract 9502, which had a minority population of 35.6% in the year 2000. By comparison, in the year 2000 Irwin County had an overall minority population of 28% and the statewide average was 34.9% (the U.S. Census defines a minority population as Black/African-American, Hispanic/Latino, Asian/Pacific Islander, or American Indian/Alaska Native). The U.S. Census Bureau estimated that 17.8% of Irwin County residents lived below the poverty level in 1999, compared to a statewide average of 13%.

Accident data was collected for the years 2004, 2005 and 2006. There were no accidents on this stretch of roadway for the time period from 2004 to 2005. In 2006 there was one accident, which caused the accident rate for this road segment to be well above the statewide average. The statewide average accident rate in 2006 for a rural major collector was 203 accidents per MVMT, compared to an observed accident rate along this section of 1,034 accidents per MVMT. The accident was a non-fatal, off-roadway crash.

Replacing this bridge will bring it up to current design standards and in doing so will improve the operation of this road.

DESCRIPTION OF THE PROJECT

This project is the replacement of the narrow and structurally deficient bridge on County Road 252 at Willacoochee River approximately 2 miles northeast of Ocilla, Georgia, in the 4th Land District, Land Lot No. 270, 271 and 272; this is located in Georgia Militia District 1388. Two 11 ft travel lanes with 5 ft shoulders will taper down to the existing 9.5 ft travel lanes in order to tie-in to the existing roadway. Approximately 566 ft of guardrail will be used at the proposed bridge locations. The proposed project will be approximately 0.256 miles in length.

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

Is the 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): N/A **State Route Number(s):** N/A

Traffic (AADT):

Base Year: (2013) 600

Design Year: (2033) 775

Existing Design Features:

Typical Section: CR 252 – Rural roadway – two 9.5’ travel lanes total width, 5’ grass shoulders, open ditches

Posted Speed: 55 mph Minimum radius for curve:

Maximum superelevation rate for curve:

Maximum Grade: 1.97%

Width of right of way: 80 ft

Major structures: 24’X 210’ Concrete Bridge Structure ID No 155-0032-0

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 MP 2.73 and extends northward approximately 0.256 miles.

Proposed Design Features:

Proposed typical section(s): Two 11 ft travel lanes, 5 ft grass shoulders

Proposed Design Speed Mainline: 55 mph

Proposed Maximum grade Mainline: 0.50% Maximum grade allowable: 7%

Proposed Maximum grade Side Street: N/A % Maximum grade allowable: N/A %

Proposed Maximum grade driveway: 10 %

Proposed Minimum radius: 1060 ft Maximum degree allowable: 6°00’

Maximum superelevation rate:

Right of way

o Width: Varies 80 ft. to 150 ft.

o Easements: Temporary Permanent Utility Others

o Type of access control: Full Partial By Permit Others

o Number of parcels: _____ Number of displacements:

▪ Business: 0

▪ Residents: 0

▪ Mobile homes: 0

▪ Others: 0

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Structures:

- Bridges: One 30' x 250' Reinforced Concrete Bridge
- Retaining walls: None

Major intersections and interchanges: None

Design Exceptions to controlling criteria anticipated:

| | YES | NO | UNDERMINED |
|-------------------------------|-----|-----|------------|
| HORIZONTAL ALIGNMENT | () | (X) | () |
| LANE WIDTH | () | (X) | () |
| SHOULDERWIDTH | () | (X) | () |
| VERTICALGRADES | () | (X) | () |
| CROSS SLOPES | () | (X) | () |
| STOPPING SIGHT DISTANCE | () | (X) | () |
| SUPERELEVATION RATES | () | (X) | () |
| VERTICAL ALIGNMENT | () | (X) | () |
| SPEED DESIGN | () | (X) | () |
| VERTICAL CLEARANCE | () | (X) | () |
| BRIDGE WIDTH | () | (X) | () |
| BRIDGE STRUCTURAL CAPACITY | () | (X) | () |
| LATERAL OFFSET TO OBSTRUCTION | () | (X) | () |

Design Variances: None anticipated

Environmental concerns: Wetland impact

Anticipated Level of environmental analysis:

- Are Time Saving Procedures appropriate? Yes No
- Categorical Exclusion:
- Environmental Assessment/Finding of No Significant Impact (FONSI) or
- Environmental Impact Statement (EIS) .

Utility involvement: Irwin EMC

Windstream

VE Study Anticipated: Yes () No (X)

| | PE | ROW | UTILITY | CST | MITIGATION |
|-----------|--------------|--------------|---------|----------------|-------------|
| BY WHOM | GDOT | LOCAL | LOCAL | GDOT | GDOT |
| \$ AMOUNT | \$100,000.00 | \$145,000.00 | \$0 | \$1,748,147.08 | \$17,500.00 |

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Project Activities Responsibilities:

- Design: GDOT
- Right of Way Acquisition: Irwin County
- Right of Way Funding (Real Property): GDOT
- Relocation of Utilities: Utility Owners
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: N/A
- Providing detours: Irwin County
- Environmental Studies/Documents/Permits: GDOT
- Environmental Mitigation: Irwin County

Coordination:

- Initial Concept Meeting Date: None
- Concept Meeting Date: June 1, 2010
- P. A. R. Meeting Date: None
- FEMA, USCG, and/or TVA
- Public involvement: Public Outreach PIOH Detour meeting to be held prior to CE approval
- Local government comments: None
- Other projects in area: None
- Other coordination to date: None
- Railroads: None

Scheduling – Responsible Parties’ Estimate

- Time to complete environmental process: Begin: November 2010 End: August 2012.
- Time to complete preliminary construction plans: Begin: October 2010 End: April 2011.
- Time to complete right of way plans: Begin: January 2011 End: June 2012.
- Time to complete the Section 404 Permit: Begin: November 2012 End: November 2013.
- Time to complete final construction plans: Begin: August 2012 End: November 2012.
- Time to complete to purchase right of way: Begin: February 2013 End: February 2014.
- List other major items that will affect the project schedule: None

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Other alternates considered: None

Comments: An off-site detour will be used for this project.

Attachments:

1. Plan Layout
2. Detailed Cost Estimates:
 - a. Construction including Engineering and Inspection
 - b. Completed Fuel and Asphalt Price Adjustment forms
 - c. Right of Way
 - d. Utilities
3. Sketch location map
4. Typical Sections
5. Accident summaries
6. Traffic data
7. Bridge inventory
8. Minutes of concept meetings
9. PFA

Concur: _____



Director of Engineering

Approve: _____

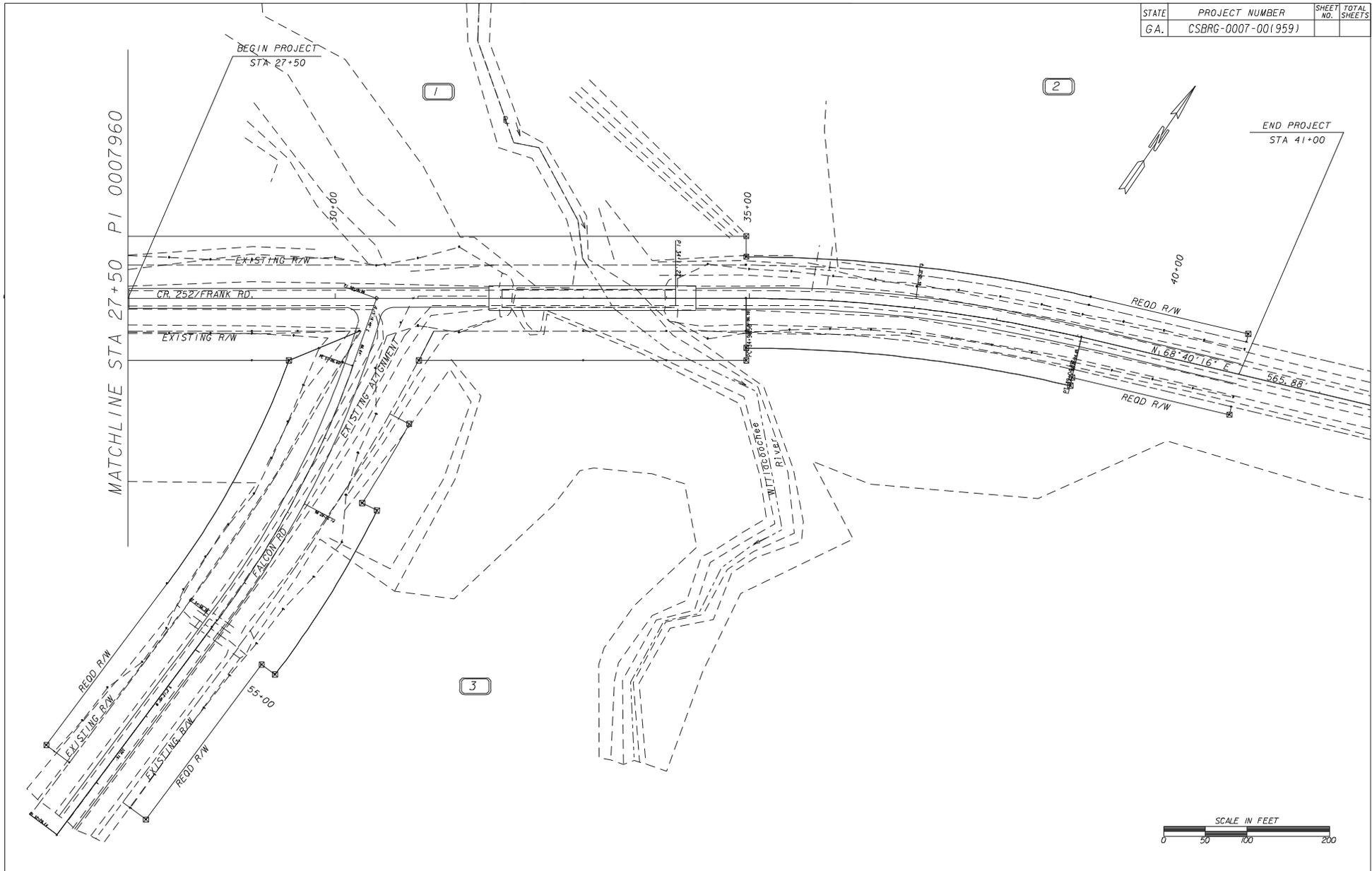


Chief Engineer

DATE: _____

12/10/10

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|-------|--------------------|-----------|--------------|
| GA. | CSBRG-0007-00(959) | | |



SHOWDATE:IME#####
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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

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

RIGHT OF WAY \$

UTILITIES \$

DATE

DATE

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES** \$

* Costs contain % Engineering and Inspection and % Construction Contingencies.

** Costs contain % contingency.

REASON FOR COST INCREASE

CONTINGENCY SUMMARY

| | | |
|-----------------------------|--|--|
| Construction Cost Estimate: | \$ <input type="text" value="1,637,261.64"/> | (Base Estimate) |
| Engineering and Inspection: | \$ <input type="text" value="81,863.08"/> | (Base Estimate x <input type="text" value="5"/> %) |
| Construction Contingency: | \$ <input type="text" value="0.00"/> | (Base Estimate x <input type="text" value="0"/> %) |
| | | (The Construction Contingency is based on the Project Improvement Type in TPro.) |
| Total Fuel Adjustment | \$ <input type="text" value="21,672.01"/> | (From attached worksheet) |
| Total Liquid AC Adjustment | \$ <input type="text" value="7,350.35"/> | (From attached worksheet) |
| Construction Total: | \$ <input type="text" value="1,748,147.08"/> | |
| Utility Cost Estimate: | \$ <input type="text" value="0.00"/> | |
| Utility Contingency: | \$ <input type="text" value="0.00"/> | <input type="text" value="0"/> % |
| Utility Total: | \$ <input type="text" value="0.00"/> | |

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

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Attachments

c: Genetha Rice-Singleton, State Program Control Administrator

JOB ESTIMATE REPORT

DATE : 08/16/2010
PAGE : 1JOB NUMBER : 0007959 061410 SPEC YEAR: 01
DESCRIPTION: CR 252 OVER WILLACOCHEE RIVER

ITEMS FOR JOB 0007959 061410

| LINE | ITEM | ALT | UNITS | DESCRIPTION | QUANTITY | PRICE | AMOUNT |
|------|----------|-----|-------|--|----------|-----------|-----------|
| 0005 | 150-1000 | | LS | TRAFFIC CONTROL - CSBRG-0007-00(959) | 1.000 | 25000.00 | 25000.00 |
| 0010 | 153-1300 | | EA | FIELD ENGINEERS OFFICE TP 3 | 1.000 | 76345.30 | 76345.30 |
| 0015 | 210-0100 | | LS | GRADING COMPLETE - CSBRG-0007-00(959) | 1.000 | 375000.00 | 375000.00 |
| 0020 | 310-5080 | | SY | GR AGGR BS CRS 8IN INCL MATL | 1135.000 | 12.18 | 13828.91 |
| 0025 | 318-3000 | | TN | AGGR SURF CRS | 50.000 | 36.67 | 1833.64 |
| 0029 | 402-1812 | | TN | RECYL AC LEVELING, INC BM&HL | 1.000 | 87.93 | 87.94 |
| 0030 | 402-3100 | | TN | REC AC 9.5 MM SP, TPI, GPIORBL1, INCL BM&HL | 103.000 | 81.30 | 8373.90 |
| 0035 | 402-3190 | | TN | RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL | 153.000 | 79.28 | 12129.84 |
| 0040 | 413-1000 | | GL | BITUM TACK COAT | 122.000 | 4.62 | 564.73 |
| 0045 | 433-1200 | | SY | REF CONC APPR SL/I SLOPED EDGE | 210.000 | 205.60 | 43177.30 |
| 0050 | 441-0301 | | EA | CONC SPILLWAY, TP 1 | 4.000 | 2068.60 | 8274.42 |
| 0055 | 500-3101 | | CY | CLASS A CONCRETE | 2.000 | 861.81 | 1723.63 |
| 0060 | 550-2180 | | LF | SLIDE DR PIPE 18", H 1-10 | 200.000 | 34.69 | 6939.05 |
| 0065 | 550-3618 | | EA | SAFETY END SECTION 18", SD, 6:1 | 8.000 | 617.87 | 4942.97 |
| 0070 | 576-1018 | | LF | SLOPE DRAIN PIPE, 18 IN | 195.000 | 35.62 | 6946.43 |
| 0075 | 634-1200 | | EA | RIGHT OF WAY MARKERS | 22.000 | 113.17 | 2489.76 |
| 0076 | 641-1100 | | LF | GUARDRAIL, TP T | 84.000 | 73.64 | 6186.16 |
| 0077 | 641-1200 | | LF | GUARDRAIL, TP W | 482.000 | 16.54 | 7973.08 |
| 0078 | 641-5001 | | EA | GUARDRAIL ANCHORAGE, TP 1 | 4.000 | 685.11 | 2740.46 |
| 0079 | 641-5012 | | EA | GUARDRAIL ANCHORAGE, TP 12 | 3.000 | 1817.12 | 5451.39 |
| 0080 | 700-6910 | | AC | PERMANENT GRASSING | 6.000 | 1260.58 | 7563.50 |
| 0085 | 700-7000 | | TN | AGRICULTURAL LIME | 18.000 | 65.94 | 1186.93 |
| 0090 | 700-7010 | | GL | LIQUID LIME | 15.000 | 16.81 | 252.20 |
| 0095 | 700-8000 | | TN | FERTILIZER MIXED GRADE | 5.000 | 391.71 | 1958.57 |
| 0100 | 700-8100 | | LB | FERTILIZER NITROGEN CONTENT | 300.000 | 3.12 | 937.19 |
| 0105 | 163-0232 | | AC | TEMPORARY GRASSING | 6.000 | 763.99 | 4583.99 |
| 0110 | 163-0240 | | TN | MULCH | 82.000 | 284.50 | 23329.77 |
| 0115 | 163-0300 | | EA | CONSTRUCTION EXIT | 2.000 | 1746.41 | 3492.82 |
| 0120 | 163-0520 | | LF | CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN | 395.000 | 22.38 | 8842.88 |
| 0125 | 163-0528 | | LF | CONSTR AND REM FAB CK DAM -TP C SLT FN | 225.000 | 2.75 | 618.75 |
| 0130 | 163-0529 | | LF | CNST/REM TEMP SED BAR OR BLD STRW CK DM | 1196.000 | 3.00 | 3588.00 |
| 0135 | 165-0030 | | LF | MAINT OF TEMP SILT FENCE, TP C | 1740.000 | 1.10 | 1920.99 |
| 0140 | 165-0041 | | LF | MAINT OF CHECK DAMS - ALL TYPES | 113.000 | 1.75 | 197.75 |
| 0145 | 165-0071 | | LF | MAINT OF SEDIMENT BARRIER - BALED STRAW | 598.000 | 1.00 | 598.00 |
| 0150 | 165-0101 | | EA | MAINT OF CONST EXIT | 2.000 | 608.13 | 1216.27 |
| 0155 | 167-1000 | | EA | WATER QUALITY MONITORING AND SAMPLING | 2.000 | 1147.69 | 2295.40 |
| 0160 | 167-1500 | | MO | WATER QUALITY INSPECTIONS | 18.000 | 1338.05 | 24084.99 |
| 0165 | 171-0030 | | LF | TEMPORARY SILT FENCE, TYPE C | 3479.000 | 4.01 | 13966.27 |
| 0170 | 636-1033 | | SF | HWY SIGNS, TP1MAT, REFL SH TP 9 | 43.000 | 21.50 | 924.72 |

JOB ESTIMATE REPORT

| | | | | | | |
|---------------------|----------|------|-----------------------------------|------------|-----------|------------|
| 0175 | 636-2070 | LF | GALV STEEL POSTS, TP 7 | 140.000 | 10.64 | 1489.72 |
| 0180 | 652-5451 | LF | SOLID TRAF STRIPE, 5 IN, WHITE | 3618.000 | 0.13 | 478.52 |
| 0185 | 652-5452 | LF | SOLID TRAF STRIPE, 5 IN, YELLO | 3618.000 | 0.10 | 379.89 |
| 0190 | 657-1054 | LF | PRF PL SD PVMT MKG, 5", WH, TP PB | 500.000 | 4.88 | 2441.47 |
| 0195 | 657-6054 | LF | PRF PL SD PVMT MKG, 5", YW, TP PB | 500.000 | 5.06 | 2534.18 |
| 0200 | 540-1101 | LS | REM OF EX BR, STA NO - | 1.000 | 87750.00 | 87750.00 |
| | | | CSBRG-0007-00(959) | | | |
| 0205 | 543-9000 | LS | CONSTR OF BRIDGE COMPLETE - | 1.000 | 750000.00 | 750000.00 |
| | | | CSBRG-0007-00(959) | | | |
| 0210 | 603-2024 | SY | STN DUMPED RIP RAP, TP 1, 24" | 900.000 | 83.15 | 74840.55 |
| 0215 | 603-7000 | SY | PLASTIC FILTER FABRIC | 900.000 | 6.42 | 5780.08 |
| 0220 | 109-0100 | *\$* | PRICE ADJ - UNLEADED FUEL | 1.000 | 550.83 | 550.83 |
| 0225 | 109-0200 | *\$* | PRICE ADJ - DIESEL FUEL | 1.000 | 2473.58 | 2473.58 |
| 0230 | 109-0300 | *\$* | PRICE ADJ - ASPHALT CEMENT | 1.000 | 7350.35 | 7350.35 |
| 0235 | 109-2305 | *\$* | FUEL PRI ADJ, UNL FUEL, (BRIDGE) | 1.000 | 2716.88 | 2716.88 |
| 0240 | 109-2310 | *\$* | FUEL PRI ADJ, DIESEL, (BRIDGE) | 1.000 | 15930.72 | 15930.72 |
| ITEM TOTAL | | | | | | |
| INFLATED ITEM TOTAL | | | | 1666284.67 | | 1666284.67 |

TOTALS FOR JOB 0007959 061410

ESTIMATED COST:

CONTINGENCY PERCENT (0.0) :

ESTIMATED TOTAL:

1666284.67
0.00
1666284.67

| | |
|------------------|--------------------------|
| PROJ. NO. | CSBRG-0007-00(959) Irwin |
| P.I. NO. | 7959 |
| DATE | 8/16/2010 |

| INDEX (TYPE) | DATE | INDEX |
|---------------------|-------------|--------------|
| REG. UNLEADED | Aug-10 | \$ 2.625 |
| DIESEL | | \$ 2.886 |
| LIQUID AC | | \$ 458.00 |

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

LIQUID AC ADJUSTMENTS

$$PA = \left(\frac{APM - APL}{APL} - 0.05 \right) \times TMT \times APL$$

Asphalt

| | | | | | | |
|--|----------|------|----|-----------------|----|-----------------|
| Price Adjustment (PA) | | | \$ | 7,062.36 | \$ | 7,062.36 |
| Monthly Asphalt Cement Price month placed (APM) | Max. Cap | 125% | \$ | 1,030.50 | | |
| Monthly Asphalt Cement Price month project let (APL) | | | \$ | 458.00 | | |
| Total Monthly Tonnage of asphalt cement (TMT) | | | | 12.85 | | |

| ASPHALT | Tons | %AC | AC ton |
|----------------|-------------|------------|---------------|
| Leveling | 1 | 5.0% | 0.05 |
| 12.5 OGFC | | 5.0% | 0 |
| 12.5 mm | | 5.0% | 0 |
| 9.5 mm SP | 103 | 5.0% | 5.15 |
| 25 mm SP | | 5.0% | 0 |
| 19 mm SP | 153 | 5.0% | 7.65 |
| | 257 | | 12.85 |

BITUMINOUS TACK COAT

| | | | | | | |
|--|----------|------|----|---------------|----|---------------|
| Price Adjustment (PA) | | | \$ | 287.99 | \$ | 287.99 |
| Monthly Asphalt Cement Price month placed (APM) | Max. Cap | 125% | \$ | 1,030.50 | | |
| Monthly Asphalt Cement Price month project let (APL) | | | \$ | 458.00 | | |
| Total Monthly Tonnage of asphalt cement (TMT) | | | | 0.524002312 | | |

| | | |
|-------------------|----------|------------|
| Bitum Tack | | |
| Gals | gals/ton | tons |
| 122 | 232.8234 | 0.52400231 |

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8/16/2010

BITUMINOUS TACK COAT (surface treatment)

| | | | | | | | |
|--|--|----------|------|----|----------|----|---|
| Price Adjustment (PA) | | | | \$ | - | \$ | - |
| Monthly Asphalt Cement Price month placed (APM) | | Max. Cap | 125% | \$ | 1,030.50 | | |
| Monthly Asphalt Cement Price month project let (APL) | | | | \$ | 458.00 | | |
| Total Monthly Tonnage of asphalt cement (TMT) | | | | | 0 | | |

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

| | |
|-----------------------------------|--------------------|
| TOTAL LIQUID AC ADJUSTMENT | \$ 7,350.35 |
|-----------------------------------|--------------------|

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11/13/2008

P.I. NO.

7959

DATE

8/16/2010

FUEL ADJUSTMENTS - ROADWAY

FPA = (((FPM-FPL)/FPL)-.10)xQxF)FPL

GRADED AGGREGATE BASE (Section 310)

| | | | REGULAR UNLEADED | | DIESEL | TOTALS |
|--|----------|------|------------------|--------|-----------|-----------|
| Fuel Price Adjustment (FPA) | | | \$ | 370.22 | \$ 491.83 | \$ 862.05 |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125% | \$ | 5.906 | \$ 6.494 | |
| Monthly Fuel Price for month when project was let (FPL) | | | \$ | 2.625 | \$ 2.886 | |
| Quantity Placed (Q) | Ton | 511 | | | | |
| Fuel Usage Factor (F) | | | | 0.24 | 0.29 | |

ASPHALT (Sections 400 and 402)

| | | | REGULAR UNLEADED | | DIESEL | TOTALS |
|--|----------|------|------------------|--------|-------------|-------------|
| Fuel Price Adjustment (FPA) | | | \$ | 550.83 | \$ 2,473.58 | \$ 3,024.41 |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125% | \$ | 5.906 | \$ 6.494 | |
| Monthly Fuel Price for month when project was let (FPL) | | | \$ | 2.625 | \$ 2.886 | |
| Quantity Placed (Q) | Ton | 257 | | | | |
| Fuel Usage Factor (F) | | | | 0.71 | 2.90 | |

EARTHWORK (Section 205 and 206)

| | | | REGULAR UNLEADED | | DIESEL | TOTALS |
|--|----------|------|------------------|-------|----------|--------|
| Fuel Price Adjustment (FPA) | | | \$ | - | \$ - | \$ - |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125% | \$ | 5.906 | \$ 6.494 | |
| Monthly Fuel Price for month when project was let (FPL) | | | \$ | 2.625 | \$ 2.886 | |
| Quantity Placed (Q) | Cy | | | | | |
| Fuel Usage Factor (F) | | | | 0.15 | 0.29 | |

CONCRETE PAVEMENT (Section 430)

| | | | REGULAR UNLEADED | | DIESEL | TOTALS |
|--|----------|------|------------------|-------|----------|--------|
| Fuel Price Adjustment (FPA) | | | \$ | - | \$ - | \$ - |
| Monthly Fuel Price for month work was accomplished (FPM) | Max. Cap | 125% | \$ | 5.906 | \$ 6.494 | |
| Monthly Fuel Price for month when project was let (FPL) | | | \$ | 2.625 | \$ 2.886 | |
| Quantity Placed (Q) | Sy | | | | | |
| Fuel Usage Factor (F) | | | | 0.20 | 0.25 | |

TOTAL ROADWAY FUEL ADJUSTMENTS **\$ 3,886.45**

PROJ. NO.

CSBRG-0007-00(959) Irwin

11/13/2008

P.I. NO.

7959

DATE

8/16/2010

FUEL ADJUSTMENTS - BRIDGE

$$FPA = (((FPM-FPL)/FPL)-.10) \times (Q \times F / 1000) \times FPL$$

| | | | REGULAR UNLEADED | DIESEL | TOTALS |
|--|------|---------------|---------------------|--------------|--------------|
| Fuel Price Adjustment (FPA) | | | \$ 2,716.88 | \$ 15,930.72 | \$ 18,647.60 |
| Monthly Fuel Price for month work was accomplished (FPM) | 125% | | \$ 5.906 | \$ 6.494 | |
| Monthly Fuel Price for month when project was let (FPL) | | | \$ 2.625 | \$ 2.886 | |
| Quantity Placed (Q) | Cost | \$ 600,000.00 | | | |
| Fuel Usage Factor (F) | | | 1.5 | 8 | |

| Section | Bridge 1 Cost | Bridge 2 Cost | Bridge 3 Cost | Bridge 4 Cost | | |
|----------------------------|------------------|------------------|------------------|------------------|---------------------|---------------|
| 211 Bridge Excavation | | | | | | |
| 500 Superstr Conc Cl AA | | | | | | |
| 500 Class A Concrete | | | | | | |
| 500 Class AA Concrete | | | | | | |
| 500 Concrete Handrail | | | | | | |
| 500 Concrete Barrier | | | | | | |
| 501 Structural Steel | | | | | | |
| 507 Prestressed Conc Beams | | | | | | |
| 507 Prestressed Conc Beams | | | | | | |
| 507 Prestressed Conc Beams | | | | | EST. BRIDGE COST | % COST w/ADJ. |
| 511 Super Reinforcement | | | | | \$ 750,000.00 | 80% |
| 511 Bar Reinf Steel | | | | | COST | \$ 600,000.00 |
| 520 Piling | | | | | | |
| 520 Piling | | | | | | |
| 524 Drilled Caisson | | | | | | |
| 547 Pile Encasement | | | | | | |
| 547 Pile Encasement | | | | | | |
| | \$ - | \$ - | \$ - | \$ - | | |

Use when bridge items haven't been established. Assumes 80% of the estimated bridge cost will qualify for fuel adjustments.

PROJ. NO.

CSBRG-0007-00(959) Irwin

P.I. NO.

7959

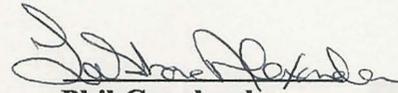
DATE

8/16/2010

TOTAL BRIDGE FUEL ADJUSTMENTS

\$ 18,647.60

Preliminary Right of Way Cost Estimate



Phil Copeland
 Right of Way Administrator
 By: LaShone Alexander

Date: June 17, 2010
Project: CSBRG-0007-00(959) Irwin County
Existing/Required R/W: Varies/Varies
Project Termini : Bridge Replacement
Project Description: Bridge Replacement

P.L Number: 0007959
No. Parcels: 3

| | | | |
|-----------------------|--|----|---------------|
| Land: | | | |
| | R/W Agricultural / Res.: 2.55 acres @ \$ 15,000/acre | \$ | 38,250 |
| Improvements : | landscaping, misc. site improvements | | 20,000 |
| Relocation: | Commercial (0) | | |
| | Residential (0) | | 000 |
| Damage : | Proximity(0) | | |
| | Consequential | | |
| | Cost to Cure | | <u>000</u> |
| | Net Cost | \$ | 58,250 |
| | Net Cost | \$ | 58,250 |
| | Scheduling Contingency 55 % | | 32,037 |
| | Adm/Court Cost 60 % | | <u>54,172</u> |
| | | \$ | 144,460 |

Total Cost \$145,000

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: CSBRG-0007-00(959)
County IRWIN
P.I. # 0007959

OFFICE: Tifton
DATE: May 19, 2010

Description: CR 252/FRANK ROAD @ WILLACOOCHEE RIVER


FROM Tim Warren, P.E., District Utilities Engineer (VIA EMAIL)

TO Ralph Griffin, 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.

| <u>Utility Owner</u> | <u>Reimbursable</u> | <u>Non-Reimbursable</u> | <u>Estimate Based on</u> |
|----------------------|---------------------|-------------------------|---------------------------------|
| Irwin Emc | \$0.00 | \$21,000.00 | Site Visit / Available Drawings |
| WINDSTREAM | \$0.00 | \$9,100.00 | Site Visit / Available Drawings |
| Total | \$ 0.00 | \$30,100.00 | |

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

If additional information is needed, please contact me or Bill Cooper, Assistant District Utilities Engineer at (229) 386-3288.


TW:BC:KC:ec

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

Deal, Melanie

From: Williams, Rich
Sent: Tuesday, May 25, 2010 1:36 PM
To: Bullard, Tracy
Cc: Dahman, Basil; Griffin, Ralph (Sandy)
Subject: RE: 0007959 & 0007960, Irwin County Mitigation Estimate Request

Hey Tracy,

I actually found your interoffice memo for the Coffee County project and the two Irwin County projects. Here are estimates for the two Irwin County projects:

0007959

Using topo maps and without seeing the area,, I am assuming that we would have approximately .8 acres of wetland impacts. I am assuming that we would need approximately 5 wetland credits. I am assuming the cost to be \$17500 based on recent purchases. I am also assuming that we would bridge the stream and there would not be any stream impacts.

0007960

Using topo maps and without seeing the area,, I am assuming that we would have approximately 2.2 acres of wetland impacts. I am assuming that we would need approximately 11 wetland credits. I am assuming the cost to be \$38500 based on recent purchases. I am also assuming that we would bridge or avoid the stream and there would not be any stream impacts.

Let me know if you have any questions.

Thank you,

Rich

Richard J. Williams
Georgia Department of Transportation
Office of Environmental Services
One Georgia Center
600 West Peachtree Street, NW
16th Floor
Atlanta, GA 30308
rwilliams@dot.ga.gov
(office) 404 631-1084
(blackberry) 404 803-5034

From: Williams, Rich
Sent: Friday, May 21, 2010 12:40 PM
To: Bullard, Tracy
Cc: Dahman, Basil; Griffin, Ralph (Sandy)
Subject: RE: 0007164 Coffee Mitigation Estimate Request

Hey Tracy,

I am sorry. I unfortunately let this slip through the cracks and in fact can't find your email. I must have deleted it. Here is the information that you requested. Using topo maps, I am assuming that we would have approximately 2 acres of wetland impacts and without seeing the area, I am assuming that we would need approximately 10 wetland credits. I am assuming the cost to be \$35000 based on recent purchases.

Thank you,

Rich

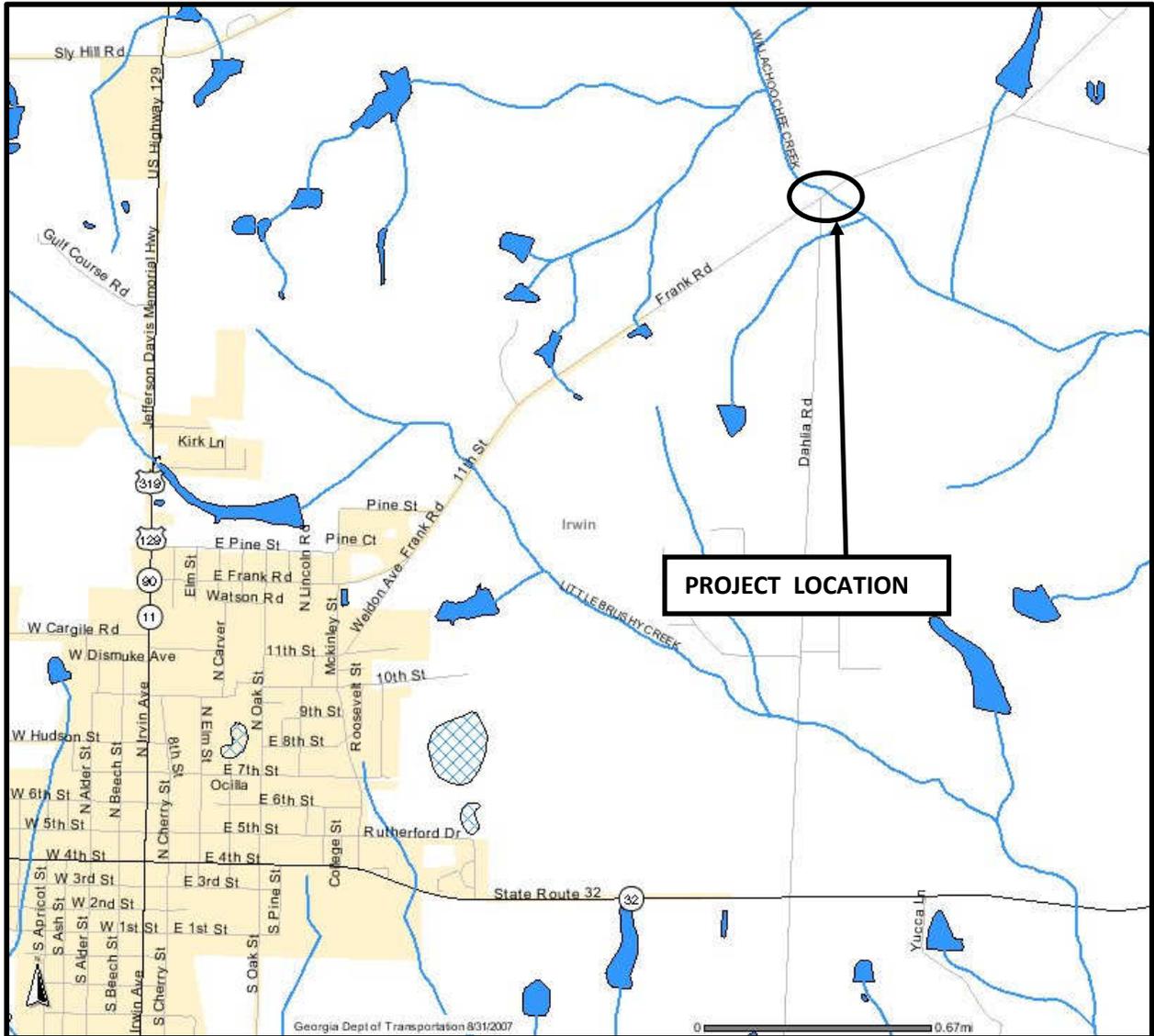
Richard J. Williams
Georgia Department of Transportation
Office of Environmental Services
One Georgia Center
600 West Peachtree Street, NW
16th Floor
Atlanta, GA 30308
rwilliams@dot.ga.gov
(office) 404 631-1084
(blackberry) 404 803-5034

From: Bullard, Tracy
Sent: Friday, May 21, 2010 11:02 AM
To: Williams, Rich
Cc: Dahman, Basil; Griffin, Ralph (Sandy)
Subject: 0007164 Coffee Mitigation Estimate Request

Rich,
I sent a request for a mitigation estimate for PI 0007164 Coffee County, SR 64 over 17 Mile River on April 9, 2010. Can I get an update on the status of this request please?
Thanks,
Tracy

Tracy A. Bullard
Design Engineer 1
GDOT District 4 Tifton
(229)386.3039 Office
tbullard@dot.ga.gov

LOCATION SKETCH



Project No. CSBRG-0007-00(959), Irwin County

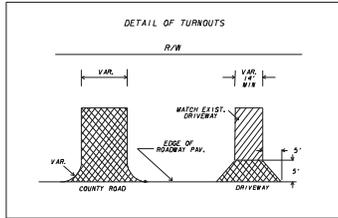
PI 0007959

Bridge Replacement: CR 252 @ Willacoochee River

TYPICAL SECTION

| SLOPE CONTROLS - FEET | | |
|-----------------------|--------|---------|
| SLOPE | CUT | FILL |
| 4:1 | 0-5.0' | 0-12.0' |
| 3:1 | -- | -- |
| 2:1 | > 5.0' | > 12.0' |

NOTE:
CUT SLOPES MAY BE A MAXIMUM OF 2:1
TO REMAIN WITHIN THE RIGHT OF WAY LIMITS.
FILL SLOPES STEEPER THAN 4:1 WILL
REQUIRE GUARDRAIL.



ALLOWABLE RANGES TABLE

FOR THIS PROJECT, SLOPE SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

A. NORMAL CROWN

| SECTION WITH GRADES 0.00% OR GREATER | SECTION WITH GRADES LESS THAN 0.00% |
|---|--|
| 1.50% - MINIMUM | 1.56% - MINIMUM |
| 2.00% - DESIRABLE | 2.00% - DESIRABLE |
| 2.50% - MAXIMUM | 3.00% - MAXIMUM |

B. SUPERELEVATION RATE
S.C. 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 | 0.87% |
| DESIRABLE 1:200 | 0.50% |
| MAXIMUM 1:300 | 0.33% |

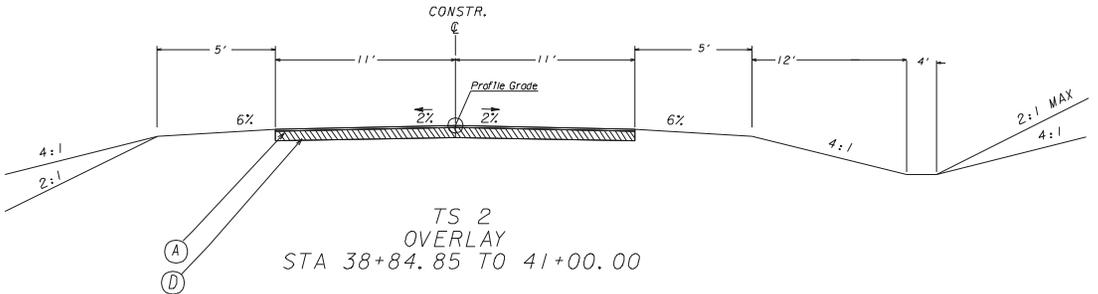
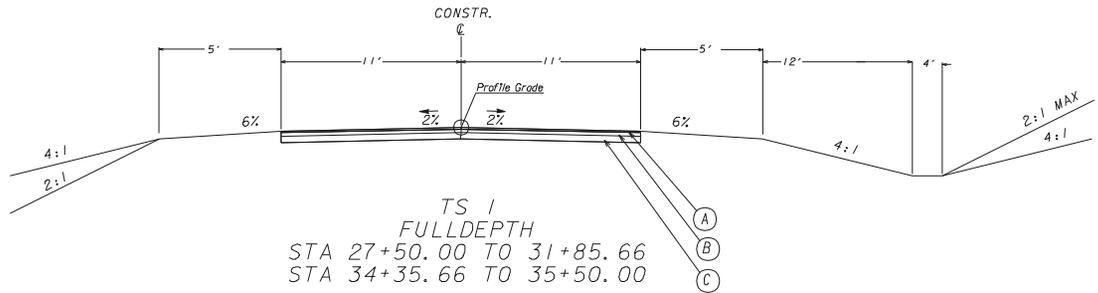
LENGTH SHALL BE SET TO AVOID CREATING A FLAT OUTER GRADE OR LOW SLOPE TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

SOV OF TRANSITION INSIDE CURVE - MAXIMUM
SIV OF TRANSITION INSIDE CURVE - DESIRABLE
EOE OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIPER-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 1/4 FEET EQUAL TO THE SPEED DESIGN (1/4 MPH) / 5.5.



- (A) 125 LBS/SQ YD ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, BLEND 1, INCL BITUM MATL & H LIME
- (B) 220 LBS/SQ YD ASPH CONC 19 MM SUPERPAVE, GPI OR 2, INCL BITUM MATL & H LIME
- (C) GR AGGR BASE CRS, 8 INCH INCL MATL
- (D) LEVELING AS REQUIRED BY ENGINEER

| REVISION DATES | STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: District 4 Tifton TYPICAL SECTIONS |
|----------------|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

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% |
|--|---------------------------------------|
| 1.50% - MINIMUM | 1.50% - MINIMUM |
| 0.50% - DESIRABLE | 0.50% - DESIRABLE |
| 2.50% - MAXIMUM | 3.00% - 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 "HIGHER POINT" AND EDGE OF PAVEMENT |
|------------------|---|
| MINIMUM 1/1000 | 0.5% |
| DESIRABLE 1/2000 | 0.5% |
| MAXIMUM 1/1000 | 0.5% |

LENGTH SHALL BE SET TO AVOID CREATING A FLAT OUTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

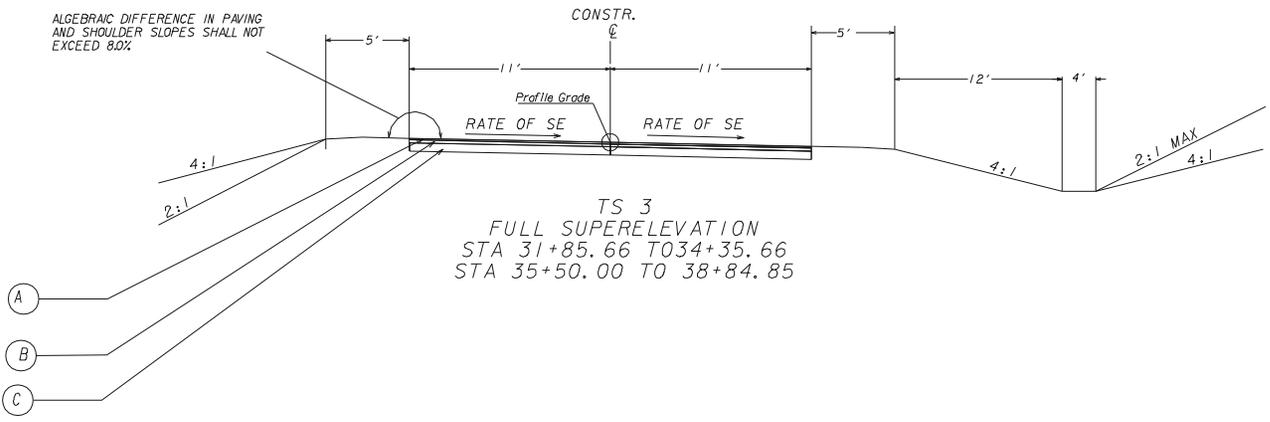
D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
33% OF TRANSITION INSIDE CURVE - DESIRABLE
20% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN W/RE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

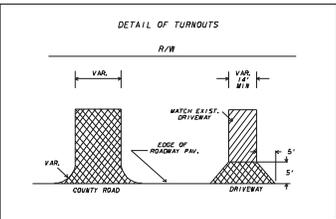
E. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH 1/10 FEET EQUAL TO THE SPEED (MPH) / 3.3.

TYPICAL SECTION



TS 3
FULL SUPERELEVATION
STA 31+85.66 TO 34+35.66
STA 35+50.00 TO 38+84.85

- (A) 125 LBS/SQ YD ASPH CONC 9.5 MM SUPERPAVE, TYPE 1, GP 1 OR BLEND 1, INCL BITUM MATL & H LIME
- (B) 220 LBS/SQ YD ASPH CONC 19 MM SUPERPAVE, GP1 OR 2, INCL BITUM MATL & H LIME
- (C) GR AGGR BASE CRS, 8 INCH INCL MATL



SLOPE CONTROLS - FEET

| SLOPE | BACKSLOPE | FILL |
|-------|-----------|---------|
| 4:1 | 0-5.0' | 0-12.0' |
| 3:1 | -- | -- |
| 2:1 | > 5.0' | > 12.0' |

NOTE:
CUT SLOPES MAY BE A MAXIMUM OF 2:1 TO REMAIN WITHIN THE RIGHT OF WAY LIMITS. FILL SLOPES STEEPER THAN 4:1 WILL REQUIRE GUARDRAIL.

| | |
|----------------|---|
| REVISION DATES | STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: District 4 Tifton TYPICAL SECTIONS |
| | |
| | |
| | |
| | |
| | |

QUERY SUMMARY
For Year(s): 2004,2005,2006

| Year | County | Route Type | Route Number | Beginning Milelog | Ending Milelog | No. Accidents | No. Vehicles | No. Injuries | No. Fatalities |
|-------------------------|--------|-------------|--------------|-------------------|----------------|---------------|--------------|--------------|----------------|
| 2004 | Irwin | County Road | 025200 | 1.00 | 3.00 | 0 | 0 | 0 | 0 |
| 2004 | Irwin | County Road | 022000 | .80 | .80 | 0 | 0 | 0 | 0 |
| 2004 | Irwin | County Road | 001600 | 3.90 | 3.90 | 0 | 0 | 0 | 0 |
| <i>2004 SubTotal</i> | | | | | | 0 | 0 | 0 | 0 |
| 2005 | Irwin | County Road | 025200 | 1.00 | 3.00 | 0 | 0 | 0 | 0 |
| 2005 | Irwin | County Road | 022000 | .80 | .80 | 0 | 0 | 0 | 0 |
| 2005 | Irwin | County Road | 001600 | 3.90 | 3.90 | 0 | 0 | 0 | 0 |
| <i>2005 SubTotal</i> | | | | | | 0 | 0 | 0 | 0 |
| 2006 | Irwin | County Road | 025200 | 1.00 | 3.00 | 1 | 1 | 1 | 0 |
| 2006 | Irwin | County Road | 022000 | .80 | .80 | 0 | 0 | 0 | 0 |
| 2006 | Irwin | County Road | 001600 | 3.90 | 3.90 | 0 | 0 | 0 | 0 |
| <i>2006 SubTotal</i> | | | | | | 1 | 1 | 1 | 0 |
| All Year(s)Total | | | | | | 1 | 1 | 1 | 0 |

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0007-00(959), (960) **OFFICE** Environment/Location
P.I. # 0007959, 0007960
Irwin County

DATE October 2, 2007

FROM Glenn Bowman, P.E., State Environmental/Location Engineer

TO Joe W. Sheffield, District Engineer
Attn. Ralph S. Griffin

SUBJECT Traffic Assignments for CR 252 @ Willacoochee River & Overflow.

The estimated traffic assignments, for the above project, are attached:

CR 252/ TC # 156

2007 AADT = 525

2013 AADT = 600

2033 AADT = 775

K = 10%

D = 50%

T = 6%

24 HOUR T = 8.5%

S.U. = 5.5%

COMB. = 3 %

If you have any questions concerning this information please contact Shelley Nweke at (404) 699-4458.

Bridge Inventory Data Listing



Parameters: Bridge Serial Num

Structure ID:155-0032-0

Irwin

SUFF. RATING: 43.57

Location & Geography

Structure ID: 155-0032-0
 200 Bridge Information: 06
 *6A Feature Int: WILLACOOCHIEE RIVER
 *6B Critical Bridge: 0
 *7A Route No Carried: CR00252
 *7B Facility Carried: FAS 1533
 9 Location: APP 2 MI NE OF OCILLA
 2 Dot District: 4
 207 Year Photo: 2009
 *91 Inspection Frequency: 24 Date: 11/02/2009
 92A Fract Crit Insp Freq: 0 Date: 02/01/1901
 92B Underwater Insp Freq: 1 Date: 02/12/2009
 92C Other Spc. Insp Freq: 0 Date: 02/01/1901
 * 4 Place Code: 00000
 *5 Inventory Route(O/U): 1
 Type: 4
 Designation: 1
 Number: 01533
 Direction: 0
 *16 Latitude: 31 37.3595 HMMS Prefix:
 *17 Longitude: 83 -12.9828 HMMS Suffix: MP:0.00
 98 Border Bridge: 000%Shared:00
 99 ID Number: 0000000000000000
 *100 STRAHNET: 0
 12 Base Highway Network: 1
 13A LRS Inventory Route: 1552025200
 13B Sub Inventory Route: 0
 101 parallel Structure: N
 *102 Direction of Traffic: 2
 *264 Road Inventory Mile Post: 002.84
 *208 Inspection Area: 4 Initials: EFP
 Engineer's Initials: sgm
 * Location ID No: 155-01533F-002.84E

*104 Highway System: 0
 *26 Functional Classification: 07
 *204 Federal Route Type: S No: 00000
 105 Federal Lands Highway: 0
 *110 Truck Route: 0
 2006 School Bus Route: 1
 217 Benchmark Elevation: 0200.00
 218 Datum: 1
 *19 Bypass Length: 05
 *20 Toll: 3
 *21 Maintanance: 02
 *22 Owner: 02
 *31 Design Load: 1
 37 Historical Significance: 2
 205 Congressional District: 08
 27 Year Constructed: 1954
 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: C
 259 Pile Encasement 3
 *43 Structure Type Main: 1 01
 45 No.Spans Main: 014
 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: 2
 108 Wearing Structure Type: 1
 Membrane Type: 0
 Deck Protection: 8

Signs & Attachments

225 Expansion Joint Type: 02
 242 Deck Drains: 1
 243 Parapet Location: 0
 Height: 0
 Width: 0
 238 Curb Height: 0
 Curb Material: 0
 239 Handrail 11
 *240 Medium Barrier Rail: 0
 241 Bridge Median Height: 0
 * Bridge Median Width: 0
 230 Guardrail Loc. Dir. Rear: 0
 Fwd: 0
 Oppo. Dir. Rear: 0
 Oppo. Fwd: 0
 244 Aproach Slab 0
 224 Retaining Wall: 0
 233Posted Speed Limit: 55
 236 Warning Sign: 0.00
 234 Delineator: 0.00
 235 Hazzard Boards: 0
 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



Processed Date:6/16/2010

Bridge Inventory Data Listing

Parameters: Bridge Serial Num

Structure ID:155-0032-0

| Programming Data | | Measurements: | | | | |
|-----------------------|--------------------|------------------------------|------------------|----------------|------------------------------|---------------------|
| 201 Project No: | UNKNOWN | *29ADT | 000530 | Year:2007 | 65 Inventory Rating Method: | 1 |
| 202 Plans Available: | 1 | 109%Trucks: | 0 | | 63 Operating Rating Method: | 1 |
| 249 Prop Proj No: | BRG-0007-00(959) | * 28 Lanes On: | 02 | Under:00 | 66 Inventory Type: | 2 Rating: 16 |
| 250 Approval Status: | 0000 | 210 No. Tracks On: | 00 | Under:00 | 64 Operating Type: | 2 Rating: 16 |
| 251 PI Number: | 0007959 | * 48 Max. Span Length | 0015 | | 231 Calculated Loads: | |
| 252 Contract Date: | 02/01/1901 | * 49 Structure Length: | 210 | | H-Modified: | 09 1 |
| 260 Seismic No: | 00000 | 51 Br. Rwdy. Width | 22.00 | | HS-Modified: | 12 1 |
| 75 Type Work: | 31 1 | 52 Deck Width: | 24.00 | | Type 3: | 09 1 |
| 94 Bridge Imp. Cost: | \$ 309 | * 47 Tot. Horiz. Cl: | 22 | | Type 3s2: | 16 1 |
| 95 Roadway Imp. Cost: | 272 | 50 Curb / Sidewalk Width | 0.00 / 0.00 | | Timber: | 15 1 |
| 96 Total Imp Cost: | 672 | 32 Approach Rdwy. Width | 018 | | Piggyback: | 00 0 |
| 76 Imp Length: | 001530 | *229 Shoulder Width: | | | 261 H Inventory Rating: | 08 |
| 97 Imp Year: | 1990 | Rear Lt: | 7.90 | Type:8 Rt:7.70 | 262 H Operating Rating | 14 |
| 114 Future ADT: | 000795 Year:2027 | Fwd. Lt: | 7.40 | Type:8 Rt:7.30 | 67 Structural Evaluation: | 4 |
| Hydraulic Data | | Permanent Width: | | | 58 Deck Condition: | 5 |
| 215 Waterway Data: | | Rear: | 18.10 | Type:8 | 59 Superstructure Condition: | 5 |
| High Water Elev: | 0194.0 Year:1972 | | 18.30 | Type:2 | * 227 Collision Damage: | 0 |
| Flood Elev: | 0000.0 Freq:00 | Intersaction Rear: | 1 | Fwd: 0 | 60A Substructure Condition: | 5 |
| Avg Streambed Elev: | 0184.0 | 36 Safety Features Br. Rail: | 2 | | 60B Scour Condition: | 7 |
| Drainage Area: | 00000 | Transition: | 0 | | 60C Underwater Condition | 5 |
| Area of Opening: | 002535 | App. G. Rail: | 0 | | 71 Waterway Adequacy: | 5 |
| 113 Scour Critical | U | App. Rail End: | 0 | | 61 Channel Protection Cond.: | 5 |
| 216 Water Depth: | 3.4 Br.Height:9.3 | 53 Minimum Cl. Over: | 99' 99 " | | 68 Deck Geometry: | 4 |
| 222 Slope Protection: | 6 | Under: | | | 69 UnderClr. Horz/Vert: | N |
| 221 Slope Protection | 0 Fwd:0 | *228 Minimum Vertical Cl | | | 72 Appr. Alignment: | 7 |
| 219 Fender System | 0 | Act. Odm Dir.: | 99' 99" | | 62 Culvert: | N |
| 220 Dolphin: | 0 | Oppo. Dir: | 99' 99" | | Posting Data | |
| 223 Current Cover: | 000 | Posted Odm. Dir: | 00' 00" | | 70 Bridge Posting Required | 2 |
| Type: | 0 | Oppo. Dir: | 00' 00" | | 41 Struct Open, Posted, CL: | P |
| No. Barrels: | 0 | 55 Lateral Undercl. Rt: | N 0 0 | | * 103 Temporary Structure: | 0 |
| * Width: | 0.00 Height:0.00 | 56 Lateral Undercl. Lt: | 0.00 | | 232 Posted Loads | |
| * Length: | 0 Apron:0 | *10 Max Min Vert Cl: | 99' 99" Dir:0 | | H-Modified: | 09 |
| 265 U/W Insp. Area | 2 Diver:WSR | 39 Nav Vert Cl: | 000 Horiz:0000 | | HS-Modified: | 12 |
| Location ID No: | 155-01533F-002.84E | 116 Nav Vert Cl Closed: | 000 | | Type 3: | 09 |
| | | 245 Deck Thickness Main | 8.00 | | Type 3s2: | 16 |
| | | Deck Thick Approach: | 0.00 | | Timber: | 15 |
| | | 246 Overlay Thickness: | 0.00 | | Piggyback | 00 |
| | | 212 Year Last Painted: | Sup:0000Sub:0000 | | 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
June 1, 2010**

Project No: CSBRG-0007-00(959), Irwin County
CSBRG-0007-00(960), Irwin County
PI No: 0007959 & 0007960
Description: Bridge Replacement in Irwin County CR 252 @ Willacoochee River and Overflow

A concept meeting for the subject project was held on June 1, 2010. The meeting was requested and conducted by Ralph Griffin, GDOT Project Manager. The meeting was held at the GDOT District Office in Tifton and began at 10:00 am. The meeting began with an outline of the Draft Concept Report. A sign in sheet was passed around and will be made a part of the minutes. Tracy Bullard read the need and purpose of the project.

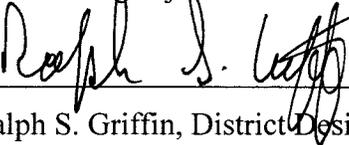
Tracy Bullard, District 4 Design, read the environmental comments which stated that the level of Environmental Analysis will be a Categorical Exclusion. Also, a NW 23/33 and NPDES permit will be required. There are no Underground Storage Tanks or waste sites near the project. He stated that the project would need a historical and archeological survey. The following species are listed for the county and a survey for suitable habitat is required: wood stork, eastern indigo snake, gopher tortoise, red cockaded woodpecker and flatwoods salamander. There's also the possible wood stork foraging habitat and migratory bird presence.

Tim Warren, District Utility Engineer, asked if there would be a PFA for this project

Joey Whitley, Irwin County Commission, stated that CR 252 was on a designated bus route and that Irwin county did not have any facilities on the project site.

Brent Thomas, District Preconstruction Engineer, asked about the different existing speed limits in the concept report and the lane/shoulder width of the existing roadway. He also stated to keep sight distance in mind where Falcon Rd. intersects CR 252.

The meeting adjourned at 10:35 am.



Ralph S. Griffin, District Design Engineer



Department of Transportation

State of Georgia

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

June 14, 2007

HAROLD E. LINNENKOHL
COMMISSIONER
(404) 656-5206

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

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

EARL L. MAHFUZ
TREASURER
(404) 656-5224

The Honorable Joey Whitley, Commission Chairman
Irwin County
207 South Irwin Avenue, #1
Ocilla, Georgia 31774

Dear Chairman Whitley:

I am returning for your files an executed agreement between the Georgia Department of Transportation and Irwin County for the following project:

PROJECT#:CSBRG-0007-00(959) Irwin County, P.I.#0007959

We look forward to working with you on the successful completion of the joint project.
Should you have any questions, please contact the Project Manager Ralph Griffin at (229)386-3300.

Sincerely,

A handwritten signature in cursive script that reads "James T. Simpson". The signature is written in dark ink and is positioned above the printed name and title.

James T. Simpson, 
Financial Management Administrator

JTS:rm

Enclosure

c: Bob Rogers
Joe Sheffield - District 4
Jeff Baker - Utilities

No funds

AGREEMENT
BETWEEN
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
AND
IRWIN COUNTY
FOR
TRANSPORTATION FACILITY IMPROVEMENTS

This Framework Agreement is made and entered into this 9th day of May, 2007, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and the Irwin County, acting by and through its Board of Commissioners, hereinafter called the "LOCAL GOVERNMENT".

WHEREAS, the LOCAL GOVERNMENT has represented to the DEPARTMENT a desire to improve the transportation facility described in Attachment A, attached and incorporated herein by reference and hereinafter referred to as the "PROJECT"; and

WHEREAS, the LOCAL GOVERNMENT has represented to the DEPARTMENT a desire to participate in certain activities including the funding of certain portions of the PROJECT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT; and

WHEREAS, the Constitution authorizes intergovernmental agreements whereby state and local entities may contract with one another “for joint services, for the provision of services, or for the joint or separate use of facilities or equipment; but such contracts must deal with activities, services or facilities which the parties are authorized by law to undertake or provide.” Ga. Constitution Article IX, §III, ¶I(a).

NOW THEREFORE, in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the LOCAL GOVERNMENT hereby agree each with the other as follows:

1. The LOCAL GOVERNMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering activities, all reimburseable utility relocation costs, right of way acquisitions and construction, as specified in Attachment A, attached hereto and incorporated herein by reference. Expenditures incurred by the LOCAL GOVERNMENT and eligible for reimbursement by the DEPARTMENT shall not be considered reimbursible to the LOCAL GOVERNMENT until the LOCAL GOVERNMENT receives a written notice to proceed for each phase of the PROJECT.

2. The DEPARTMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for the preconstruction engineering (design) activities and construction, as specified in Attachment "A" of this Agreement.

3. The LOCAL GOVERNMENT shall be responsible for all costs for the continual maintenance and the continual operations within the PROJECT limits.

4. An off-site detour may be required during construction, if so; the LOCAL GOVERNMENT shall be responsible for notifying the public and for providing all detour routes, signage, and maintenance for the life of the PROJECT.

5. Both the LOCAL GOVERNMENT and the DEPARTMENT hereby acknowledge that Time is of the Essence. It is agreed that both parties shall adhere to the schedule of activities currently established in the approved State Transportation Improvement Program (STIP). Furthermore, all parties shall adhere to the detailed project schedule as approved by the DEPARTMENT, attached as Attachment B and incorporated herein by reference. In the completion of respective commitments, if a change in the schedule is needed, the LOCAL GOVERNMENT shall notify the DEPARTMENT in writing of the proposed schedule change and the DEPARTMENT shall acknowledge the change through a written response letter; provided that the DEPARTMENT shall have final authority for approving any change.

6. The DEPARTMENT shall accomplish all of the design activities for the PROJECT.

7. The DEPARTMENT shall review and has approval authority for all aspects of the PROJECT provided however this review and approval does not relieve the LOCAL GOVERNMENT of its responsibilities under the terms of this Agreement. The DEPARTMENT will work with the FHWA to obtain all needed approvals as deemed necessary with information furnished by the LOCAL GOVERNMENT.

8. The LOCAL GOVERNMENT shall follow the DEPARTMENT's procedures for identification of its existing and proposed utility facilities on the PROJECT. This requires that all requests for existing, proposed, or relocated facilities flow through the DEPARTMENT's Project Liaison and the District Utilities Engineer.

9. If the right of way phase is 100% local funding with no federal or state reimbursement, upon the DEPARTMENT's approval of the project right of way plans, verification that the approved environmental document is current, which shall mean that the approval of the environmental document occurred within six (6) months of the approval notice by the DEPARTMENT's for project right of way plans, and delivery of a written notice to proceed, the LOCAL GOVERNMENT may proceed with the acquisition of the necessary right of way for the PROJECT. If the right of way phase involves federal and/or state reimbursement, upon the Department's approval of the project right of way plans, the Local Government may proceed with all pre-acquisition right of way activities, however, property negotiation and acquisition cannot commence until project right of way funding authorization is approved. Right of way acquisition shall be in accordance with the law and the rules

and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. Seq., and 49 CFR Part 24 and the rules and regulations of the DEPARTMENT and in accordance with the "Contract for the Acquisition of Right of Way" to be prepared by the Office of Right of Way and executed between the LOCAL GOVERNMENT and the DEPARTMENT prior to the commencement of any right of way activities. Failure of the LOCAL GOVERNMENT to adhere to the provisions and requirements specified in the acquisition contract may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the LOCAL GOVERNMENT to make up the loss of that funding. In the event the LOCAL GOVERNMENT is to receive reimbursement of all or part of the acquisition funding, reimbursable right of way costs are to include land and improvement costs, property damage values, relocation assistance expenses and contracted property management costs. Non reimbursable costs include administrative expenses such as appraisal, consultant, attorney fees and any in-house property management or staff expenses. All required right of way shall be obtained and cleared of obstructions, including underground storage tanks, prior to advertising the PROJECT for bids.

10. As part of the design an environmental assessment will be conducted, which may or may not result in environmental impacts of the surrounding area. If it is determined that there will be impacts that will require mitigation, then it will be the responsibility of the LOCAL GOVERNMENT to resolve the matter.

11. Upon completion and approval of the PROJECT plans, certification that all needed rights of way have been obtained and cleared of obstructions, and certification that all needed permits for the PROJECT have been obtained; the PROJECT shall be let for construction. The DEPARTMENT, unless shown otherwise on Attachment "A", shall be solely responsible for securing and awarding the construction contract for the PROJECT.

12. The LOCAL GOVERNMENT agrees that all reports, plans, drawings, studies, specifications, estimates, maps, computations, computer diskettes and printouts, and any other data prepared under the terms of this Agreement shall become the property of the DEPARTMENT. The DEPARTMENT shall have the right to use this material without restriction or limitation and without compensation to the LOCAL GOVERNMENT.

This Agreement is made and entered into in FULTON COUNTY, GEORGIA, and shall be governed and construed under the laws of the State of Georgia.

The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, the DEPARTMENT and the LOCAL GOVERNMENT have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

Irwin County

Jo W. Griffith
District Engineer

[Signature]
Director of Preconstruction

David E. Stuhel, Sr.
Chief Engineer

BY: [Signature]
Name
Title

Signed, sealed and delivered this
9 day of May, 2007, in
the
presence of:

DEPARTMENT OF
TRANSPORTATION

[Signature]
Witness

BY: [Signature]
Commissioner
Deputy *ELM*

[Signature]
Notary Public
My Commission Expires Mar. 11, 2010

ATTEST:

[Signature]
Treasurer

This Agreement approved on the
8 day of May, 2007.

REVIEWED AS TO LEGAL FORM:

[Signature] 6-5-07
Office of Legal Services

[Signature]
City/County Clerk (as appropriate)

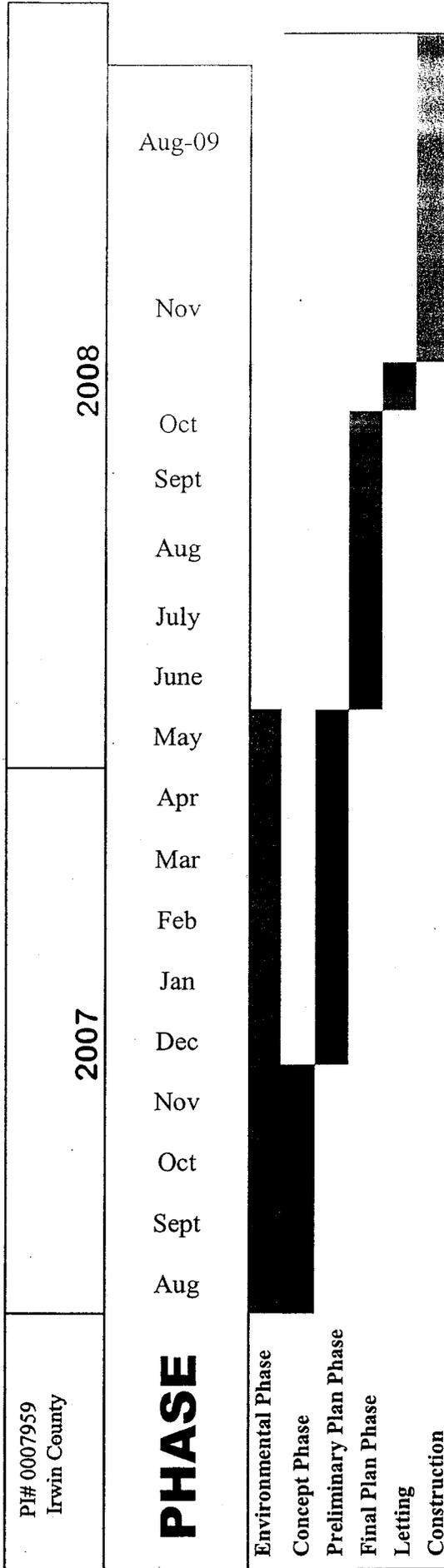
FEIN: 58-6000844

ATTACHMENT "A"
Project Number: CSBRG-0007-00(959) – Irwin County

| Project (PI#, Project # ,Description) | Work | | Preliminary Engineering | | Right of Way | | Construction | | Utilities |
|---|--------------------|--------------------------|-------------------------|--------------------------|---------------------------------------|--------------------------|--------------|---------------------|-----------|
| | Type | Funding | Design | Funding of Real Property | Acquisition & Administrative Costs by | Funding | Letting by | Relocation Costs by | |
| PI# 0007959 CSBRG-0007-00(959) CR 252 @ Willacoochee River | Bridge Replacement | 80% Federal 20% State | GDOT | 100% County | County | 80% Federal 20% State | GDOT | 100% County | |
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Note: 1. Maximum allowable GDOT reimbursible amount may be shown above in lieu of percentages when applicable. Local Government will only be reimbursed the percentage of the accrued invoiced amounts up to but not to exceed the maximum amount indicated.
 2. Cash participation limits may be shown above in lieu of percentages when applicable

ATTACHMENT "B"
Project Number: CSBRG-0007-00(959)- Irwin County



Note: The schedule is subject to change due to congressional balancing and/or funding issues.