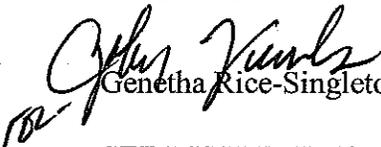


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0005548, Pulaski County **OFFICE** Preconstruction
CSBRG-0005-00(548)
SR 11 over Big Tucawatchee Creek
Bridge Replacement **DATE** June 2, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Ben Buchan
Paul Liles
Thomas Howell
David Millen
BOARD MEMBER

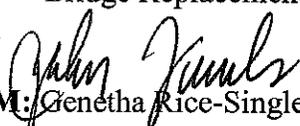
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0005548, Pulaski County
BR000-0005-00(548)
S.R. 11 over Big Tucsawatchee Creek-
Bridge Replacement

OFFICE: Preconstruction

DATE: May 7, 2008

FROM:  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO:  Gerald M. Ross, P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on S.R. 11 over Big Tucsawatchee Creek, 3.7 miles south of Hawkinsville, Georgia. The existing bridge, constructed in 1958, is a 482' x 27.8' concrete structure with a sufficiency rating of 62. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. S.R. 11 at this location is a rural two lane roadway with 12' lanes with variable width rural shoulders. The posted speed is 55 MPH. S.R. 11 is classified as a rural minor arterial. The base year traffic (2009) along this section of S.R. 11 is 2700 VPD. The design year (2029) volumes are projected to be 3800 VPD. The proposed speed design is 55 MPH.

The project proposes to construct a new 480' x 44' concrete bridge over Tucsawatchee Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (2' paved). The existing bridge will be closed to traffic during construction. Traffic control will consist of shifting traffic onto a temporary detour bridge during construction.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

This project will require split funding because the sufficiency rating exceeds 50. "BR" funding will cover the amount equal to the widening and the remainder will consist of "STP" funding

P.I. No. 0005548, Pulaski County
Page 2
May 7, 2008

The estimated costs for this project are:

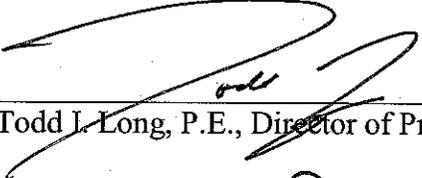
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	BR	BR		
	\$ 1,513,000	\$ 1,899,000	L1C0	LR
	STP	STP		
	\$ 1,772,000	---	L200	LR
	<u>3,285,000</u>			
Right-of-way	\$ 213,000	\$ 450,000	L1C0	LR
Utilities	\$ 50,000			

* Pulaski signed to do utilities 1-6-03/ Rescission letter sent to Pulaski 7-26-07

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR



Todd J. Long, P.E., Director of Preconstruction

APPROVED



Gerald M. Ross, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE **BR-0005-00(548) Pulaski County** **OFFICE** **Consultant Design**
SR 11 over Big Tucsaatchee Creek Bridge Replacement
P.I. No. 0005548

M. Babs Abubakari

FROM Babs Abubakari, State Consultant Design and Program Delivery Engineer **DATE** March 27, 2008

TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT **Project Concept Report**

Attached is an electronic copy of Final Concept Report for your further handling and approval in accordance with the Plan Development Process (PDP).

MBA: MAH: YT

Distribution:

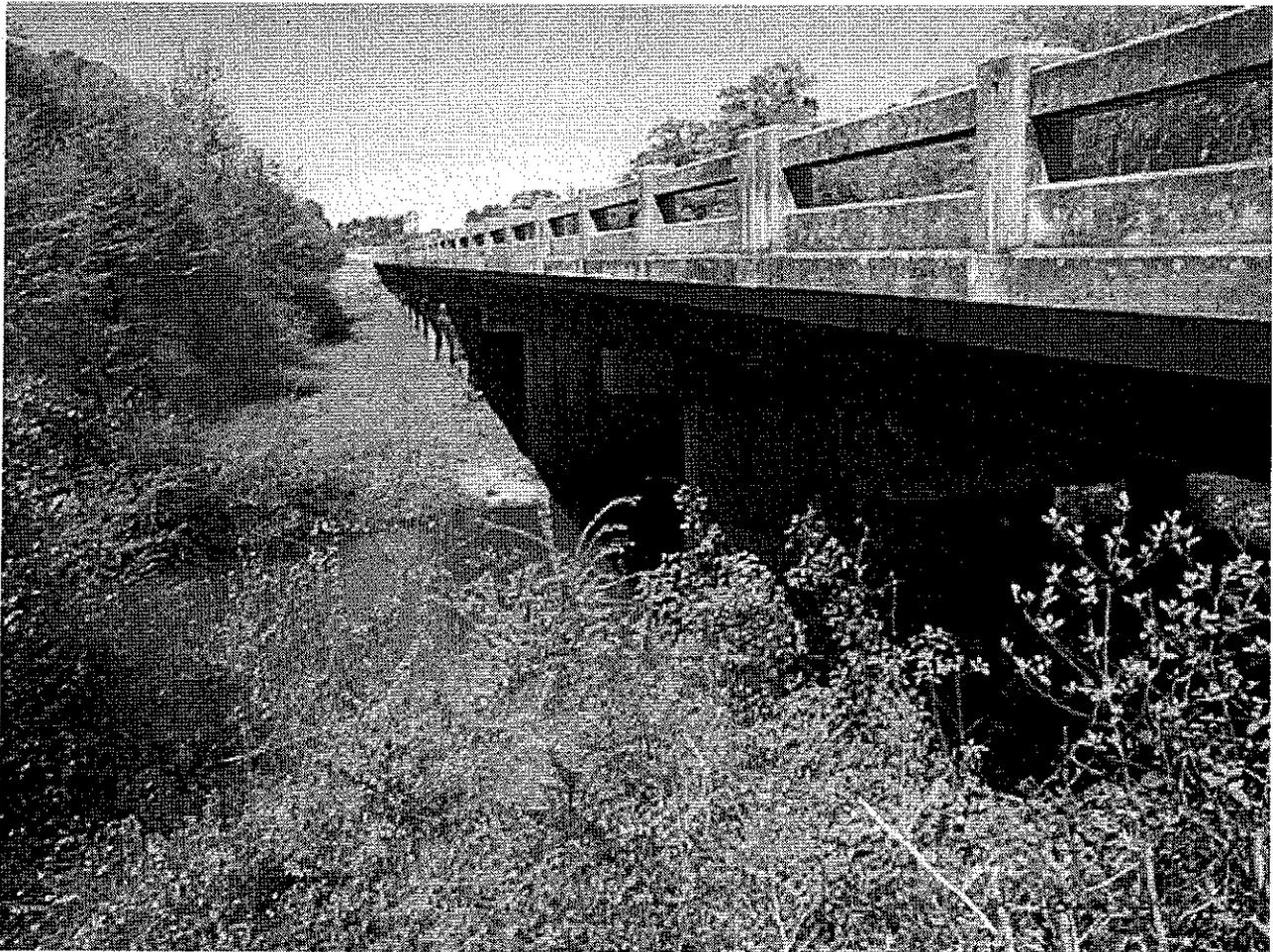
- Angela Alexander, State Transportation Planning Administrator
- Paul Liles, State Bridge Engineer
- Brian Summers, State Project Review Engineer
- Glenn Bowman, State Environmental/Location Engineer
- Keith Golden, State Traffic Safety and Design Engineer
- Thomas Howell, District 3 Engineer
- Jamie Simpson, State Transportation Financial Management Administrator



LOOKING NORTH



TYPICAL UNDERNORTH



UPstream



CAP @ PILE 3 AND BOLT 12 IS CRACKING

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(548)

Counties: Pulaski

P. I. Number: 0005548

Federal Route Number: US129

State Route Number: SR11

Description: Replacement of SR 11 Bridge at Big Tucsaatchee Creek 3.7 miles south of Hawkinsville

Recommendation for approval:

DATE Aug 2, 2007

Yun Tang
Project Manager

DATE Aug 2, 2007

M. Babs Abubakar
Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE 8-8-07

[Signature]
State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Engineer

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(548)

Counties: Pulaski

P. I. Number: 0005548

Federal Route Number: US129

State Route Number: SR11

Description: Replacement of SR 11 Bridge at Big Tucsaatchee Creek 3.7 miles south of Hawkinsville

Recommendation for approval:

DATE Aug 2, 2007

Yun Tang

Project Manager

DATE Aug 2, 2007

M. Babs Abubakari

Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE 8/20/07

Paul V. Liles Jr

State Bridge Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

MEMORANDUM

FILE BR-0005-00(548), Pulaski County OFFICE Planning
P.I.0005548 DATE 8/7/07

FROM 
Angela T. Alexander, State Transportation Planning Administrator

TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT Project Concept Report – Replacement of SR 11 Bridge at Big Tucsawatchee Creek 3.7
miles south of Hawkinsville, Pulaski County
BR-0005-00(548), P.I. 0005548

The Planning Office was requested by Preconstruction to verify if the subject project was identified in the FY '07-'09 STIP. PE was authorized in 2005. The Right-of-Way and Construction phases are currently outside of the currently approved FY '07-'09 STIP. The project will move into the STIP as funding allows. This project as defined in the concept report, is consistent with the project description which will appear in the STIP.

ATA:kmg

Attachment

CC: File

Date:

8/13/07


State Transportation Planning Administrator

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(548)

Counties: Pulaski

P. I. Number: 0005548

Federal Route Number: US129

State Route Number: SR11

Description: Replacement of SR 11 Bridge at Big Tucsawatchee Creek 3.7 miles south of Hawkinsville

Recommendation for approval:

DATE Aug 2, 2007

Yun Tang

Project Manager

DATE Aug 2, 2007

M. Babs Abubakari

Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE 8/15/07

[Signature]
Project Review Engineer

DATE _____

State Bridge Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0005-00(548)		County: Pulaski		PI No.: 0005548	
Report Date: August 2, 2007		Concept By: DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage					
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(548)

Counties: Pulaski

P. I. Number: 0005548

Federal Route Number: US129

State Route Number: SR11

Description: Replacement of SR 11 Bridge at Big Tucsaatchee Creek 3.7 miles south of Hawkinsville

Recommendation for approval:

DATE Aug 2, 2007

Yun Tang

Project Manager

DATE Aug 2, 2007

M. Babs Abubakari

Office Head/District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Financial Management Administrator

DATE _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

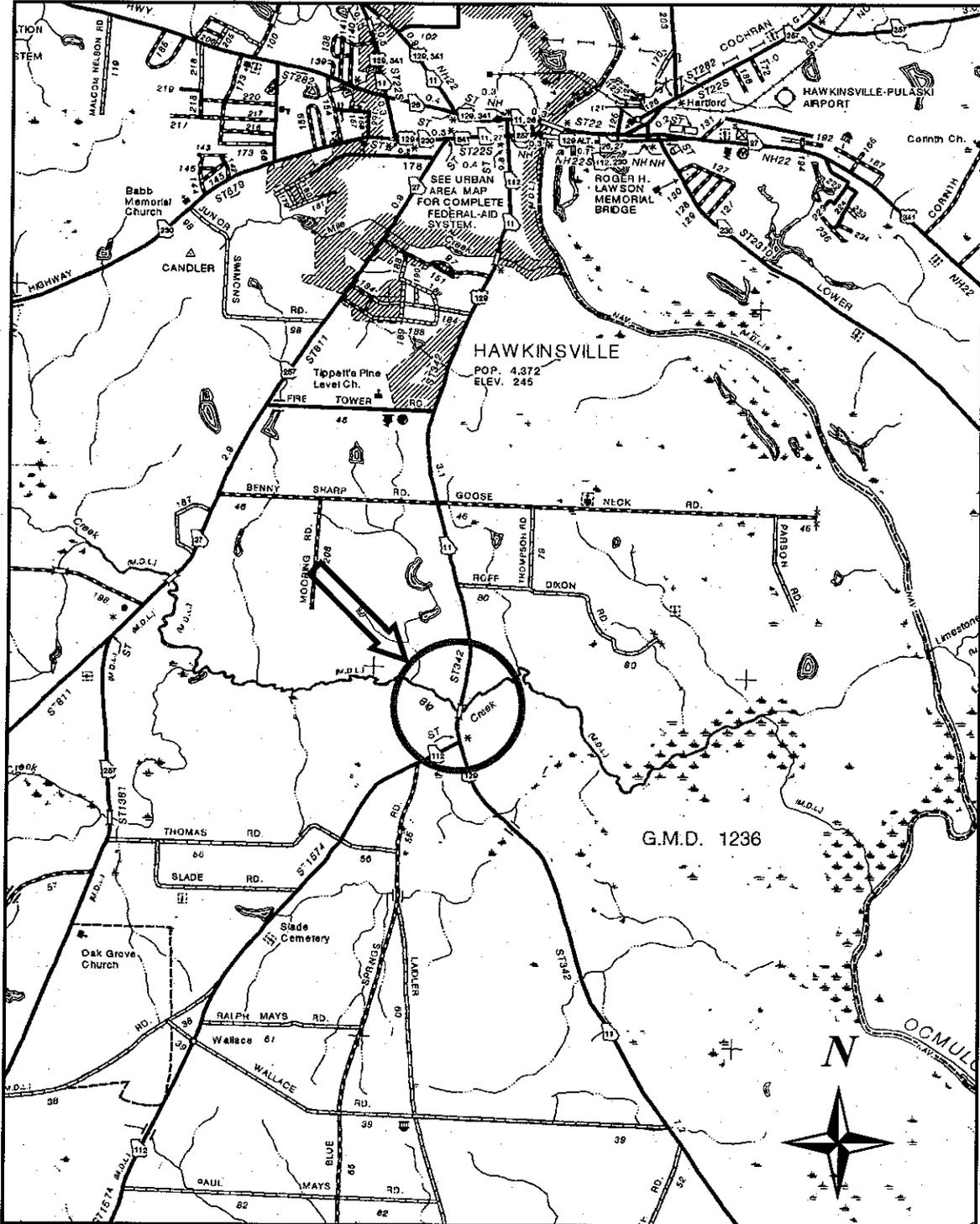
Project Review Engineer

DATE _____

State Bridge Engineer

Revision 4/4/2008
April 4, 2008
Project Concept Report page 2
Project Number: BR000-0005-00(548)
P.I. Number: 0005548
County: Pulaski County

Department Of Transportation
State of Georgia



Scale: 1 inch = 1 mile

Location Map

Project: BR000-0005-00(548) Pulaski County PI No.: 0005548

Description: Replacement of SR 11/ US 29 Bridge at Tuscahatchee Creek 3.7 mi South of Hawkinsville

Revision 4/4/2008

April 4, 2008

Project Concept Report page 3

Project Number: BR000-0005-00(548)

P.I. Number: 0005548

County: Pulaski County

Department Of Transportation
State of Georgia

Need and Purpose

Bridge project BR000-0005-00(548) will replace the bridge at SR 11/US 129 over Big Tucswatchee Creek. The two-lane bridge, which is functionally classified as a rural minor arterial, was constructed in 1958 and is not on a designated bike route. The desired width is based on Georgia MOG 4265-10. This project is not associated with any other projects and has independent utility.

The current traffic volume along SR-11/US 129 inside the project limits is 2,500 ADT, which includes school bus traffic. Traffic in 2029 is projected at 3,800 ADT.

The Structural Evaluation Rating for the bridge is a 5 and the Sufficiency Rating is 60.23. The original design load capacity of this bridge is H-20. In accordance with DOT policy 2405-1, a need exists to replace the existing Big Tuscawatchee Creek Bridge to upgrade it to current design and load standards and, in doing so, will improve the operation and safety of this roadway.

Description of the proposed project

The purpose of the project is to provide a new bridge that meets safety requirements at US 129 / SR 11 over the Tuscawatchee Creek. The project will adequately handle future traffic needs within the existing typical section of two lanes. SR 11 is programmed as a two-lane roadway in the 2006-11 State Transportation Improvement Program (STIP) with a Right-of-Way Acquisition date of February 2009, the Construction funding is in Long Range.

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

PDP Classification: Major Minor

Federal Oversight: Full Oversight (), Exempt (), State Funded (), or Other ()

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): US 129

State Route Number(s): SR 11

Traffic for SR11

2006 ADT = 2500

2009 ADT (Base Year) = 2700

2029 ADT (Design Year) = 3800

Revision 4/4/2008

April 4, 2008

Project Concept Report page 4

Project Number: BR000-0005-00(548)

P.I. Number: 0005548

County: Pulaski County

Department Of Transportation
State of Georgia

Existing design features:

- Typical Section: Two 12' lanes with variable width grassed rural shoulders
- Posted speed: 55 mph
- Maximum grade: 0.5% mainline
- Width of right-of-way: 100 ft
- Major structures: Structure ID 235-0003-0 14 spans of variable length (max 50 ft) with a total length of 482 ft, continuous steel with a cast in place deck on H-pile bents. The bridge roadway gutter to gutter clear width is 27.8 ft with a 2 ft sidewalk and the sufficiency rating is 60.23.
- Major interchanges or intersections along the project: None
- Existing length of roadway segment: 0.61 miles

Proposed Design Features:

- Proposed typical section(s): Two 12 ft lanes with 10 ft rural shoulders. Slopes will vary from 2:1 in areas with guardrail to 4:1 in areas without guardrail.
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 5.86% Maximum grade allowable: 6%
- Proposed Maximum grade Side Street: N/A Maximum grade allowable: 6%
- Proposed Maximum grade Driveway Residential: 12% Commercial: 12%
- Proposed Maximum degree of curve: 3° 00' Maximum degree allowable: 6° 00'
- Right-of-Way
 - o Additional Width: None
 - o Easements: Temporary (X), Permanent (X), Utility (), Other ().
 - o Type of access control: Full (), Partial (), By Permit (X), Other ().
 - o Number of parcels: 4 Number of displacements: 0
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures: Bridge over Big Tuscaloossee Creek - The proposed concrete bridge will be 44ft wide clear width (47'-3" out to out) consisting of two 12 ft travel lanes and 10 ft shoulders. The bridge is expected to have 12- 40 ft T-Beam Spans on steel H-pile bents for a total length of approximately 480ft.
- Major intersections and interchanges: None
- Traffic control during construction: The traffic will be maintained on a temporary on-site detour bridge to the west of the existing bridge.

Revision 4/4/2008

April 4, 2008

Project Concept Report page 5

Project Number: BR000-0005-00(548)

P.I. Number: 0005548

County: Pulaski County

Department Of Transportation
State of Georgia

- Design Exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING SIGHT DISTANCE:	()	()	(X)
SUPERELEVATION RATES:	()	()	(X)
HORIZONTAL CLEARANCE:	()	()	(X)
SPEED DESIGN:	()	()	(X)
VERTICAL CLEARANCE:	()	()	(X)
BRIDGE WIDTH:	()	()	(X)
BRIDGE STRUCTURAL CAPACITY:	()	()	(X)

- Design Variances: None
- Environmental concerns: Nationwide 404 with PCN
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (), No (X),
 - Categorical exclusion anticipated (X),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- Utility involvements: Communications, Gas, Sanitary, and Water

Project responsibilities:

- Design: GDOT, Office of Consultant Design
- Right-of-Way Acquisition: GDOT, District 3 Preconstruction (Right of Way Office)
- Relocation of Utilities: GDOT, District 3 Utility Office
- Letting to contract: GDOT General Office (Office of Contract Administration)
- Supervision of construction: GDOT District 3 Construction Office
- Providing material pits: GDOT District 3

Coordination

- Initial Concept Meeting and brief Summary: See attachments
- Concept meeting date: January 11, 2007
- FEMA: The Big Tuscawatchee Creek is a FEMA studied river.
- Public involvement: None required
- Local government comments: TBD
- Other projects in the area: None

Revision 4/4/2008

April 4, 2008

Project Concept Report page 6

Project Number: BR000-0005-00(548)

P.I. Number: 0005548

County: Pulaski County

Department Of Transportation
State of Georgia

Scheduling -- Responsible Parties' Estimate

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 4 Months.
- Time to complete right-of-way plans: 1 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete to purchase right-of-way: 9 Months.

Other alternates considered:

1. Build proposed bridges on the existing alignment by closing the road and detouring traffic off-site.
2. Build proposed bridges parallel and offset to the north from the existing alignment
3. Build proposed bridges parallel and offset to the south from the existing alignment
4. Build bridge on existing alignment by building a temporary on-site detour
5. No build Alternative

Comments:

Alternative 4 is selected for this concept

Alternative 1 was eliminated due to the excessive length of a suitable off-site detour. Alternatives 2 and 3 were eliminated due to geometry considerations. Alternative 5 was eliminated due to the need to upgrade the bridge to current design and load standards in accordance with DOT policy 2405-1.

Attachments:

1. Concept Meeting Minutes
2. Preliminary Cost Estimates including E&C, Right-of-Way, and Utilities
3. Traffic Assignments
4. Bridge Inventory Data Listings
5. Typical sections
6. Concept Plans
7. Location and Design Notice (on minor projects)

SR 11 Bridge over Big Tucsawatchee Creek

BR000-0005-00(548)

Pulaski County, P.I. # 0005548

Meeting Minutes – Concept Team Meeting

January 11, 2007

ATTENDIES:

Yun Tang – GDOT (Office of Consultant Design) (404) 463-0290
Tom Queen – D-3 (706) 646-6317
Glenn A. Williams – GDOT (Utilities) (706) 646-6549
T. Charles Poole – Right of Way Acquisitions LLC. (706) 647-0176
Scott Athey – Lowe Engineers (770) 857-8408
Brink Stokes – GDOT (Perry) (478) 988-7151
Scott Parker – D-3 Traffic Ops (706) 646-6554
Michael Presley – D-3 Traffic Ops (706) 646-6554
Claudia Busato – Lowe Engineers (404) 242-4220
Richard Meehan – Lowe Engineers (770) 857-8434

- I. WELCOME – Yun Tang
- II. INTRODUCTION OF EACH ATTENDEE
- III. PROJECT IDENTIFICATION – Richard Meehan
 - a. BR-0005-00(548) Pulaski County
 - b. Bridge Replacement, SR 11 over Big Tucsawatchee Creek
- IV. FUNCTIONAL CLASSIFICATION
 - a. Rural Minor Arterial
- V. NEED AND PURPOSE STATEMENT
 - a. Structurally deficient bridge (46.22 rating – needs updated bridge report)
- VI. TRAFFIC PROJECTIONS
 - a. 2003 ADT = 2600
 - b. 2016 ADT (base yr) = 3400
 - c. 2036 ADT (design yr) = 4800
 - d. 24 HR TRUCKS – 11%
- VII. EXISTING TYPICAL SECTION
 - a. 2 – 12' lanes w/ variable width grassed rural shoulders
 - b. 100' r/w
 - c. 55 mph posted speed
- VIII. DESIGN CRITERIA
 - a. 55 mph rural design
- IX. PROPOSED PROJECT DESCRIPTION
 - a. Build bridge on existing alignment by building a temporary on-site detour
 - b. 2- 12' lanes, 10' rural shoulders
 - c. 100' r/w
 - d. Easement for construction, maintenance & removal of detour bridge
- X. MAJOR STRUCTURES
 - a. 14 spans of variable length (max 50') with a total length of 482', continuous concrete on H-pile bents. The bridge roadway gutter to gutter clear width is 28ft with a 2ft sidewalk

and sufficiency rating of 60.23.

- b. Proposed bridge will be 44ft wide clear width (47'-3" out to out), consisting of two 12' travel lanes and 10' shoulders. Bridge is expected to have 12 - 40'-0" T-Beam spans on steel H-pile bents for a total length of approximately 480ft.

XI. DESIGN VARIANCES/EXCEPTIONS

- a. None expected

XII. RIGHT OF WAY DISPLACEMENTS/RELOCATIONS

- a. 1 Parcel (Richard Meehan - Depending on the cut and fill, we could affect 3 parcels.)
- b. 0 Displacements

XIII. UTILITIES

Utility involvements: Communications, Gas, Sanitary and Water.
There is overhead power on South approach on East side crossing South of bridge, no underground and no utilities on the bridge.

XIV. ALTERNATES CONSIDERED AND REASONS FOR REJECTION

- a. Build proposed bridge on the existing alignment by closing the road and detouring traffic off-site - No Adequate off-site detour.
- b. Build proposed bridges parallel and offset to the North from the existing alignment - bad geometry
- c. Build proposed bridges parallel and offset to the South from the existing alignment - bad geometry
- d. No build Alternative - structurally deficient
(Putting the detour bridge on the other side would cause more impacts.)

XV. LEVEL OF ENVIRONMENTAL ANALYSIS AND CONCERNS

- a. URS
- b. Categorical exclusion is anticipated.
- c. Nationwide 404 with PCN They identified the wetlands but have not identified archeology. We have to check underground storage tank screening to verify and confirm that there is none there. If there were, that would be an issue.

XVI. PROJECT DEVELOPMENT SCHEDULE

- a. Environmental Document - May 2008
- b. PFPR - July 2008
- c. R/W Plans - October 2008
- d. Construction - December 2009

XVII. PUBLIC HEARING

- a. Not held and not required for the project.

XVIII. COMMENTS FROM ATTENDEES

- Mr. Meehan - There is a driveway within the working area. We will provide a temporary access. We anticipate keeping the same grade.
- Mr. Poole - Are you breaking the guardrail on driveways?
- Mr. Meehan - We will use the slopes before the bridge to avoid the need of guardrail along driveways.
- Mr. Presley - Look at relocating the driveway and keep them away from the mainline.
- Mr. Poole - Do we need an easement?
- Mr. Meehan - I don't anticipate the earthwork to go outside the R/W, but we may need easement for construction, we would call it permanent easement.
- Mr. Presley - The driveway is wide. We can negotiate to provide a simple width driveway, but not that wide. What is present at the driveway?
- Mr. Meehan - We are designing it as a normal 14 ft wide driveway.
- Mr. Presley - It might be a farm that needs a wide entrance for equipment and tractors.
- Mr. Poole - If there is contaminated soil, do we have to deal with it if we are not disturbing it?
- Mr. Meehan - We have to make sure we don't dig the material and use it for fill. If we touch it and it is in R/W, we have to remove it.

- Mr. Tang – We'll ask for an UST screening to verify.
- Mr. Meehan – The UST screen is in our contract, but if there is something there, it would be a supplemental.
- Mr. Tang – Get the agreement first before doing anything. DNR requested specs.

Estimate Report for 0005548

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	137000.00	TRAFFIC CONTROL -	137000.0
210-0100	1.00	LS	479000.00	GRADING COMPLETE -	479000.0
310-1101	3560.00	TN	21.67	GR AGGR BASE CRS, INCL MATL	77145.20
318-3000	100.00	TN	23.24	AGGR SURF CRS	2324.0
402-1812	130.00	TN	68.58	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	8915.4
402-3121	510.00	TN	63.14	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	32201.4
402-3131	860.00	TN	66.58	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	57258.79
402-3190	520.00	TN	62.66	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	32583.19
413-1000	740.00	GL	1.87	BITUM TACK COAT	1383.80
432-5010	3460.00	SY	1.68	MILL ASPH CONC PVMT, VARIABLE DEPTH	5812.8
433-1000	300.00	SY	148.65	REINF CONC APPROACH SLAB	44595.0
436-1000	370.00	LF	8.35	ASPHALTIC CONCRETE CURB	3089.5
446-2118	120.00	LF	4.56	HIGH STRENGTH PVMT REINF FABRIC, 18 IN WIDTH	547.19
603-2012	1000.00	SY	39.93	STN DUMPED RIP RAP, TP 1, 12 IN	39930.0
603-7000	1000.00	SY	5.22	PLASTIC FILTER FABRIC	5220.0
634-1200	8.00	EA	102.91	RIGHT OF WAY MARKERS	823.28
635-1000	1300.00	LF	100.24	BARRICADES	130312.0
641-1100	83.00	LF	43.12	GUARDRAIL, TP T	3578.95
641-1200	150.00	LF	15.31	GUARDRAIL, TP W	2296.5
641-5006	4.00	EA	353.74	GUARDRAIL ANCHORAGE, TP 6	1414.96
641-5012	4.00	EA	1821.59	GUARDRAIL ANCHORAGE, TP 12	7286.36
643-8200	250.00	LF	2.87	BARRIER FENCE (ORANGE), 4 FT	717.5
650-1100	2.00	EA	13344.55	IMPACT ATTENUATOR UNIT (CRASH COMPRESSION CUSHION) TYPE P-	26689.1
Section Sub Total					\$1,100,124.96

Section DRAINAGE ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0301	2.00	EA	2237.24	CONC SPILLWAY, TP 1	4474.48
550-2180	150.00	LF	28.20	SIDE DRAIN PIPE, 18 IN, H 1- 10	4230.0
550-4118	8.00	EA	417.93	FLARED END SECTION 18 IN, SIDE DRAIN	3343.44
Section Sub Total					\$12,047.92

Section TRAFFIC SIGNS & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	13.00	SF	14.96	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	194.48
636-2070	60.00	LF	8.38	GALV STEEL POSTS, TP 7	502.80
636-5020	12.00	EA	65.00	DELINEATOR, TP 2	780.0
652-5451	1200.00	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, WHITE	216.0
652-5452	1200.00	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	216.0
653-1501	4150.00	LF	0.51	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	2116.5
653-1502	4150.00	LF	0.52	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	2158.0
654-1001	232.00	EA	3.09	RAISED PVMT MARKERS TP 1	716.88
657-1085	1000.00	LF	5.78	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN. CONTRAST	5780.0

657-6085	1000.00	LF	6.02	(BLACK-WHITE), TP PB PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	6020.0
Section Sub Total					\$18,700.66

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3.00	AC	778.51	TEMPORARY GRASSING	2335.52
163-0240	23.00	TN	181.67	MULCH	4178.41
163-0300	2.00	EA	1773.05	CONSTRUCTION EXIT	3546.1
163-0520	400.00	LF	17.01	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	6804.00
165-0030	700.00	LF	1.50	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1050.0
165-0101	2.00	EA	528.06	MAINTENANCE OF CONSTRUCTION EXIT	1056.12
167-1000	2.00	EA	1081.77	WATER QUALITY MONITORING AND SAMPLING	2163.54
167-1500	18.00	MO	991.11	WATER QUALITY INSPECTIONS	17839.98
171-0030	1400.00	LF	3.91	TEMPORARY SILT FENCE, TYPE C	5474.0
700-6910	5.00	AC	1054.05	PERMANENT GRASSING	5270.25
700-7000	10.00	TN	60.44	AGRICULTURAL LIME	604.4
700-7010	13.00	GL	21.65	LIQUID LIME	281.45
700-8000	5.00	TN	289.61	FERTILIZER MIXED GRADE	1448.05
700-8100	250.00	LB	2.55	FERTILIZER NITROGEN CONTENT	637.5
716-2000	2200.00	SY	1.14	EROSION CONTROL MATS, SLOPES	2508.0
Section Sub Total					\$55,197.33

Section BRIDGES

Item Number	Quantity	Units	Unit Price	Item Description	Cost
541-0001	1.00	LS	1286400.00	CONSTR. NEW BRIDGE	1286400.0
541-5428	1.00	LS	320000.00	DETOUR BRIDGE, 24 FT X 380 FT, STA -	320000.0
Section Sub Total					\$1,606,400.00

Total Estimated Cost \$2,792,470.87

Subtotal Construction Cost				\$2,792,470
<i>ENGINEERING</i> E&C Rate (in %)	5%		=	139,623
<i>CONTINGENCY</i> Inflation Rate (in %)	12%	Years	2.0	351,851
Total Construction Cost				\$3,283,944
Right Of Way \$	212700.0			212,700
ReImb. Utilities \$	50000.0			50,000
Grand Total Project Cost				\$3,546,644

BR000-0005-00(548) Pulaski County
 SR 11 over Big Tuscaawatchee Creek
 PI No 0005548

November 14, 2007

Split Funding Calculation

Total Estimated Cost \$ 2,792,470.87
 Bridge Cost \$ 1,286,400.00
 Roadway Cost \$ 1,506,070.87
 Right of Way Cost \$ 212,700.00

E Rate 12% ^{5%} 12% ^{5%} Contribution 2.0% ^{12%}			
Total Construction Cost	\$ 1,286,400.00	Br Replacement Cost	\$ 1,506,070.87
Right of Way	128,640.00 64,320		\$ 150,607.00 75,303
Reimbursible Utilities	1,415,040.00 1,572,806		\$ 189,764
Grand Total Project Cost	\$ 1,512,806		\$ 1,656,677.06 1,771,138
	1,445,040.00		\$ 212,700.00
			\$ 50,000.00
			\$ 2,033,838
			\$ 1,919,377.98

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR000-0005-00(548), OFFICE Environment/Location
Pulaski County
P.I. # 0005548 DATE September 19, 2007

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

TO Babs Abubakari, P.E., State Consultant Design & Program Delivery Engineer
Attn. Yun Tang

SUBJECT Updated Traffic Volume for S.R. 11 @ Big Tucasawatchee Creek 3.7 Miles
South of Hawkinsville

Updated Traffic Volume for the above project is attached below:

TC # 109

2006 ADT = 2500
2009 ADT = 2700
2029 ADT = 3800
D = 65%
K = 8.0%
T = 5.0%
24 HR. T. = 7.5%
S.U. = 4.0%
COMB. = 3.5%

If you have any questions concerning this information please contact
Andre Washington at (404) 699-4460

GSB/AMW

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 235-0003-0

Location & Geography

Pulaski

SUFF. RATING

60.23

<ul style="list-style-type: none"> * Structure ID No: 235-0003-0 * 200 Bridge Information: 06 * 6A Feature Int: BIG TUCSA WATCHEE CREEK * 6B Critical Bridge: 0 * 7A Route Number Carried: SR00011 * 7B Facility Carried: US 129 * 9 Location: 3.7 M I S OF HAWKINSVILLE <li style="padding-left: 20px;">2 DOT District: 3 <li style="padding-left: 20px;">207 Year Photo: 2007 * 91 Inspection Frequency: 24 Date: 04/03/2007 * 92A Fract Crit Insp Freq: 00 Date: 02/01/1901 * 92B Underwater Insp Freq: 00 Date: 02/01/1901 * 92C Other Spc. Insp Freq: 00 Date: 02/01/1901 * 4 Place Code: 00000 * 5 Inventory Route (O/U): 1 <li style="padding-left: 20px;">Type: 2 <li style="padding-left: 20px;">Designation: 1 <li style="padding-left: 20px;">Number: 00011 <li style="padding-left: 20px;">Direction: 0 * 16 Latitude: 32-13.7450 HMMS Prefix: SR * 17 Longitude: 83-28.1670 HMMS Suffix: 00 MP: 7.68 * 98 Border Bridge: 000 %Shared: 00 * 99 ID Number: 0000000000000000 * 100 STRAHNET: 2 <li style="padding-left: 20px;">12 Base Highway Network: 1 <li style="padding-left: 20px;">13A LRS Inventory Route: 2351001100 <li style="padding-left: 20px;">13B Sub Inventory Route: 0 * 101 Parallel Structure: N * 102 Direction of Traffic: 2 * 264 Road Inventory Mile Post: 007.39 * 208 Inspection Area: 08 Initials: JLA <li style="padding-left: 20px;">Engineer's Initial: sgm * Location ID. No.: 235-00011D-007.39N 	<ul style="list-style-type: none"> * 104 Highway System: 0 * 26 Functional Classification: 06 * 204 Federal Route Type: S No.: 00342 * 105 Federal Lands Highway: 0 * 110 Truck Route: 0 * 206 School Bus Route: 1 * 217 Benchmark Elevation: 0000.00 * 218 Datum: 0 * 19 Bypass Length: 07 * 20 Toll: 3 * 21 Maintenance: 01 * 22 Owner: 01 * 31 Design Load: 4 * 37 Historical Significance: 5 * 205 Congressional District: 08 * 27 Year Constructed: 1958 * 106 Year Reconstructed: 0000 * 33 Bridge Median: 0 * 34 Skew: 00 * 35 Structure Flared: 0 * 38 Navigation Control: 0 * 213 Special Steel Design: 0 * 267 Type of Paint: 4 * 42 Type of Service on: 1 <li style="padding-left: 20px;">Under: 5 * 214 Movable Bridge: 0 * 203 Type Bridge: O-N-M-O * 259 Pile Encasement: 1 * 43 Structure Type Main: 3 02 * 45 No. Spans Main: 017 * 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 Surface Type: 1 <li style="padding-left: 20px;">Membrane: 0 <li style="padding-left: 20px;">Protection: 8 	<ul style="list-style-type: none"> * 238 Curb: 1.20 1 * 239 Handrail: 1 1 * 240 Median Barrier Rail: 0 * 241 Bridge Median Height: 0.00 <li style="padding-left: 20px;">Width: 0.00 * 230 Guardrail Loc Dir Rear: 3 <li style="padding-left: 20px;">Fwrdd: 3 <li style="padding-left: 20px;">Oppo Dir Rear: 0 <li style="padding-left: 20px;">Fwrdd: 0 * 244 Approach Slab: 3 * 224 Retaining Wall: 0 * 233 Posted Speed Limit: 55 * 236 Warning Sign: 0 * 234 Delineator: 1 * 235 Hazard Boards: 0 * 237 Utilities Gas: 00 <li style="padding-left: 20px;">Water: 00 <li style="padding-left: 20px;">Electric: 00 <li style="padding-left: 20px;">Telephone: 00 <li style="padding-left: 20px;">Sewer: 00 * 247 Lighting Street: 0 <li style="padding-left: 20px;">Navigation: 0 <li style="padding-left: 20px;">Aerial: 0 * 248 County Continuity No.: 07 	<h3 style="text-align: center;">Signs & Attachments</h3> <ul style="list-style-type: none"> 225 Expansion Joint Type: 02 242 Deck Drains: 1 243 Parapet Location: 0 <li style="padding-left: 20px;">Height: 0.00 <li style="padding-left: 20px;">Width: 0.00
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BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 235-0003-0

Pulaski

SUFF. RATING

60.23

Programming Data

201 Project No.: F-034-2 (1)
 202 Plans Available: 4
 249 Prop. Proj. No.: BR-0005-00 (548)
 250 Approval Status: 0000
 251 P.J. No.: 0005548
 252 Contract Date: 02/01/1901
 260 Seismic No.: 000000
 75 Type Work: 34 1
 94 Bridge Imp. Cost: \$ 336
 95 Roadway Imp. Cost: \$ 72
 96 Total Imp Cost: \$ 608
 97 Imp. Length: 000693
 1990
 114 Future ADT: 003705 Year: 2026

Measurements

* 29 ADT: 002470 Year: 2006
 109 % Trucks: 0
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0050
 * 49 Structure Length: 482
 51 Br. Rwdy. Width: 27.80
 52 Deck Width: 34.00
 * 47 Tot. Horz. Cl: 27.80
 50 Curb/Stewlk Width: 2.00/2.00
 32 Approach Rdwy Width: 029
 * 229 Shoulder Width:
 Rear Lt: 3.00 Type: 2 Rt: 3.00
 Fwd Lt: 3.00 Type: 2 Rt: 3.00
 Pavement Width:
 Rear: 23.00 Type: 2
 Fwd: 23.00 Type: 2
 Intersection Rear: 1 Fwd: 0
 36 Safety Features Br. Rail:
 Transition:
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over:
 Under: N
 * 228 Min. Vertical Cl
 Act. Odm Dir:
 Oppo. Dir:
 Posted Odm. Dir:
 Oppo. Dir:
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 2003 Sub: 2003

Ratings

65 Inventory Rating Method: 1
 63 Inventory Rating Method: 1
 66 Inventory Type: 2 Rating: 26
 64 Operating Type: 2 Rating: 41
 231 Calculated Loads
 H-Modified: 20 0
 HS-Modified: 25 0
 Type 3: 28 0
 Type 3s2: 40 0
 Timber: 36 0
 Piggyback: 40 0
 261 H Inventory Rating: 20
 262 H Operating Rating: 32
 67 Structural Evaluation: 5
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 6
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

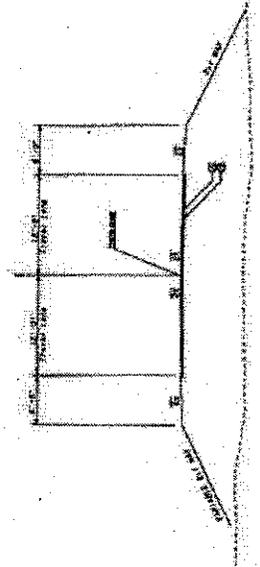
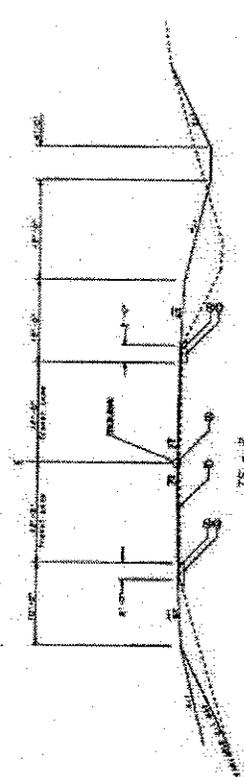
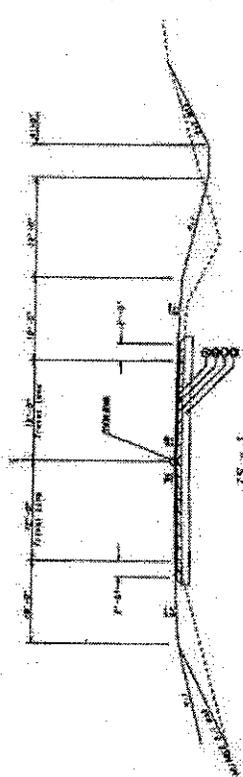
Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 000
 Drainage Area: 00000
 Area Of Opening: 000000
 U
 113 Scour Critical: 04.3 Br. Height: 21.7
 216 Water Depth: 1
 222 Slope Protection: 0 Fwd: 0
 221 Spur Dikes Rear: 0
 219 Fender System: 0
 220 Dolphain: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: A
 * 103 Temporary Structure: 0
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 02/01/1901
 253 Fed Notify Date: 02/01/1901 0

* Location I.D. No.: 235-00011D-007.39N



- REVISIONS:
- 1. REVISED FROM 1965 TO 1966 SPECIFICATIONS AND A
 - 2. REVISED FROM 1966 TO 1967 SPECIFICATIONS AND A
 - 3. REVISED FROM 1967 TO 1968 SPECIFICATIONS AND A
 - 4. REVISED FROM 1968 TO 1969 SPECIFICATIONS AND A
 - 5. REVISED FROM 1969 TO 1970 SPECIFICATIONS AND A
 - 6. REVISED FROM 1970 TO 1971 SPECIFICATIONS AND A
 - 7. REVISED FROM 1971 TO 1972 SPECIFICATIONS AND A
 - 8. REVISED FROM 1972 TO 1973 SPECIFICATIONS AND A
 - 9. REVISED FROM 1973 TO 1974 SPECIFICATIONS AND A
 - 10. REVISED FROM 1974 TO 1975 SPECIFICATIONS AND A

	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE	TYPICAL SECTIONS	SR. 11 BRIDGE OVER TUSCAMATCHEE CREEK
 600 PINEAPPLE CIRCLE, SUITE 400, ATLANTA, GA 30308 PHONE (404) 525-1111 FAX (404) 525-1112			
REVISION DATES			
3-1			

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Name	Project Number	P.I. Number	County
Replacement of SR11 / US 129 Bridge over Tuscaawatchee Creek 3.7 miles South of Hawkinsville	BR000-0005-00(548)	0005548	Pulaski

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location and design approval is JUNE 2, 2008

Descriptions of the Proposed Project:

This project is located in Pulaski County in the 8th U.S. Congressional District, in Land Lot 233 of the 4th Land District of Pulaski County.

Descriptions of the Proposed Construction:

The purpose of the project is to provide a new bridge that meets safety requirements at US 129 / SR 11 over the Tuscaawatchee Creek. The project will adequately handle future traffic needs within the existing typical section of two lanes. SR 11 is programmed as a two-lane roadway in the 2006-11 State Transportation Improvement Program (STIP) with a Right-of-Way Acquisition date of 2009, a Construction date of 2010, and a completion date of 2011.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Brink Stokes, Area Three Engineer
brink.stokes@dot.state.ga.us
200 Julianne Street
Perry, GA 31069
Telephone: (478) 988-7151

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

Lewis Walker, District 3
lewis.walker@dot.state.ga.us
115 Transportation Blvd.
Thomaston, GA 30286
Telephone (706) 646-6900

Any written request or communication in reference to this project or notice should include the Project and P.I. Numbers as noted at the top of this notice.

Bridge Inventory Data Listing
Georgia Department of Transportation.

Structure ID: 235-0003-0

Pulaski

SUFF. RATING: 60.23

Location & Geography		Signs & Attachments	
* Structure ID:	235-0003-0	* 104 Highway System:	0
200 Bridge Information:	06	* 26 Functional Classification:	06
* 6A Feature Int:	BIG TUCSAWATCHEE CREEK	* 204 Federal Route Type:	S No. 00342
* 6B Critical Bridge:	0	105 Federal Lands Highway:	0
* 7A Route Number Carried:	SR00011	* 110 Truck Route:	0
* 7B Facility Carried:	US 129	206 School Bus Route:	1
* 9 Location:	3.7 MI S OF HAWKINSVILLE	217 Benchmark Elevation:	0000.00
2 DOT District:	3	218 Datum:	0
207 Year Photo:	2007	* 19 Bypass Length:	07
* 91 Inspection Frequency:	24 Date: 4/3/2007	* 20 Toll:	3
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	* 21 Maintenance:	01
92B Underwater Insp Freq:	00 Date: 2/1/1901	* 22 Owner:	01
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	* 31 Design Load:	4
* 4 Place Code:	00000	37 Historical Significance:	5
* 5 Inventory Route (O/U):	1	205 Congressional District:	08
Type:	2	27 Year Constructed:	1958
Designation:	1	106 Year Reconstructed:	0000
Number:	00011	33 Bridge Median:	0
Direction:	0	34 Skew:	00
* 16 Latitude:	32 - 13.7450 HMMS Prefix: SR	35 Structure Flared:	0
* 17 Longitude:	83 - 28.1670 HMMS Suffix: 00 MP:7.68	38 Navigation Control:	0
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0
99 ID Number:	0000000000000000	267 Type of Paint:	4
* 100 STRAHNET:	2	* 42 Type of Service on:	1
12 Base Highway Network:	1	Type of Service under:	5
13A LRS Inventory Route:	2351001100	214 Movable Bridge:	0
13B Sub Inventory Route:	0	203 Type Bridge:	O N M O
101 Parallel Structure:	N	259 Pile Encasement:	1
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	3 02
* 264 Road Inventory Mile Post:	007.39	45 No. Spans Main:	017
* 208 Inspection Area:	08 Initials: JLA	44 Structure Type Appr:	0 00
Engineer's Initial:	sgm	46 No. Spans Appr:	0000
		226 Bridge Curve Horz:	0 Vert: 0
		111 Pier Protection:	0
		107 Deck Structure Type:	1
* Location I.D. No.:	235-00011D-007.39N	108 Wearing Surface Type:	1
		Membrane Type:	0
		Deck Protection:	8
		225 Expansion Joint Type:	02
		242 Deck Drains:	1
		243 Parapet Location:	0.00
		Height:	0.00
		Width:	0.00
		238 Curb Height:	1.2
		Curb Material:	1
		239 Handrail:	1 1
		* 240 Median Barrier Rail:	0
		241 Bridge Median Height:	0.0
		* Bridge Median Width:	0.0
		230 Guardrail Loc. Dir. Rear:	3
		Fwr:	3
		Oppo. Dir. Rear:	0
		Oppo. Fwr:	0
		244 Approach Slab:	3
		224 Retaining Wall:	0
		233 Posted Speed Limit:	55
		236 Warning Sign:	0
		234 Delineator:	1
		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.:	07