

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0005568, Fayette-Spalding Counties **OFFICE** Preconstruction
BR-0005-00(568)
SR 92 over Flint River Bridge Replacement **DATE** February 13, 2007

FROM *Genetha Rice-Singleton*
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.

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keeper
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Angela Alexander (file copy)
Paul Liles
Babs Abubakari
Thomas Howell
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. No. 0005568, Fayette-Spalding Counties **OFFICE:** Preconstruction
BR-0005-00(568)
SR 92 over Flint River Bridge Replacement **DATE:** January 23, 2007

FROM: *Genetha Rice-Singleton*
Genetha Rice-Singleton, Assistant Director of Preconstruction

TO: David E. Studstill, Jr., P.E., Chief Engineer

SUBJECT: PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 92 over Flint River, 6.6 miles west of Griffin, Georgia. The existing bridge, constructed in 1955, is load limited with a sufficiency rating of 39. State Route 92 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 9,000 VPD and 13,400 VPD in the years 2012 and 2032 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 92 south of its present location, extending a total of 0.70 mile. The proposed new bridge will be 480' x 44' and will be located just south of the existing bridge structure. The relocated SR 92 will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

Environmental concerns include requiring a COE 404 permit; a Categorical Exclusion will be prepared; time saving procedures are appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	\$2,900,000	\$2,900,000	LICO	LR
Right-of-Way	\$ 450,000	\$ 450,00	LICO	2008
Utilities*	\$ 50,000	-----		

*Requested Spalding County do utilities 12--16-02; Fayette County refused utilities; rescission letter sent to Fayette and Spalding Counties 2-21-05.

David Studstill
Page 2

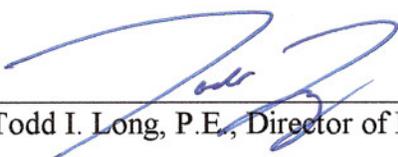
P. I. No. 0005568, Fayette-Spalding
January 23, 2007

I recommend this project concept be approved.

GRS:JDQ/cj

Attachment

CONCUR



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

APPROVE



David E. Studstill, Jr., P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0005-00(568) Fayette/Spalding **OFFICE:** Engineering Services
P.I. No. 0005568
S.R. 92 over Flint River

DATE: January 31, 2007

FROM: Brian K. Summers, P.E., Project Review Engineer *REW*

TO: Genetha Rice Singleton, Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report submitted January 4, 2007 and have no comments.

The costs for this project are:

Construction	\$2,636,414
E & C	\$263,641
Reimbursable Utilities	\$50,000
Right of Way	\$450,000

REW

c: Babs Abubakari, Attn.: Yun Tang

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang
Project Manager

DATE Jan 4, 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 1/8/07

Angela S. Alexander
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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang

Project Manager

DATE Jan 4, 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 1/4/07

Caul V. Tills Jr.

Project Review Engineer

State Bridge Engineer



Department of Transportation

HAROLD E. LINNENKOHL
COMMISSIONER
(404) 656-5206

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

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

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

EARL L. MAHFUZ
TREASURER
(404) 656-5224

FILE BR-0005-00(568) Fayette-Spalding
P.I. No. 0005568
SR 92 over Flint River Bridge
Replacement
OFFICE Thomaston

FROM David Millen
DATE January 17, 2007

TO Johnny Quarles
W/Attachments

SUBJECT **Signed Concept Cover Sheet
W/Comments**

We have reviewed the concept report on the above project and concur with the recommendation for approval.

DBM: cg
Attachment 1
cc: Thomas Howell
David Millen
Tom Queen
Mike England
Kerry Gore

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang

Project Manager

DATE Jan 4, 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 1-9-07

[Signature]
District Engineer

DATE _____

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang

Project Manager

DATE Jan 4, 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 1/31/07

Bruce K. Sumner RTO
Project Review Engineer

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0005-00(568)		County: Fayette/Spalding		PI No.: 0005568	
Report Date: January 4, 2007		Concept By: DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Lowe Engineers			
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				

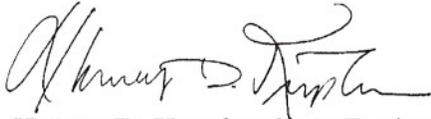
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0005568

OFFICE: Environment/Location

DATE: January 30, 2007



FROM: Harvey D. Kepler, State Environmental/Location Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT
BR-0005-00-(568) / Fayette & Spalding Counties**

The above subject concept report has been reviewed. An aquatic survey for listed species will be required. An additional \$15,000 needs to be added to the ROW estimate for the cost of stream and wetland mitigation.

If you have any questions, please contact me at (404) 699-4401.

HDK/lc

Attachment

cc: Brian Summers
Keith Golden
Babs Abubakari
Angela Alexander
Jamie Simpson
Paul Liles
Thomas Howell

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang
Project Manager

DATE Jan 4, 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 1.24.07

Shirley S. Taylor
State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Name	Project Number	P.I. Number	County
SR 92 Bridge over Flint River – Bridge Replacement	BR- 0005-00(568)	0005568	Fayette/Spalding

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 February 13, 2007

Descriptions of the Proposed Project:

This project is located in Fayette & Spalding Counties in the 8th & 13th U.S. Congressional District, in Land Lot 108 & 109 of the 4th Land District of Fayette & Spalding Counties.

Descriptions of the Proposed Construction:

This project is located on State Route 92 over Flint River in Fayette & Spalding Counties, 6.6 miles west of Griffin. The sufficiency rating of the existing bridge is 39.66 out of 100. The total length of the project is approximately 3700 feet (0.70 miles). The proposed alignment will be shifted approximately 68 feet to the south of the existing alignment and remain a two-lane rural section with 12-foot travel lanes.

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:

David Coleman, Area Engineer
David.Coleman@dot.state.ga.us
1001 Highway 19 South
Griffin, GA 30223
Telephone: (770) 228-7205/7337

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:

Thomas Howell, P.E., District 3
Thomas.Howell@dot.state.ga.us
715 Andrews Drive
Thomaston, GA 30286
Telephone (706) 646-6500

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.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design and Program Delivery

PROJECT CONCEPT REPORT

Project Number: BR-0005-00-(568)

Counties: Fayette & Spalding

P. I. Number: 0005568

Federal Route Number: N/A

State Route Number: SR92

Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Recommendation for approval:

DATE Jan 4, 2007

Yun Tang

Project Manager

DATE Jan 4, 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 _____

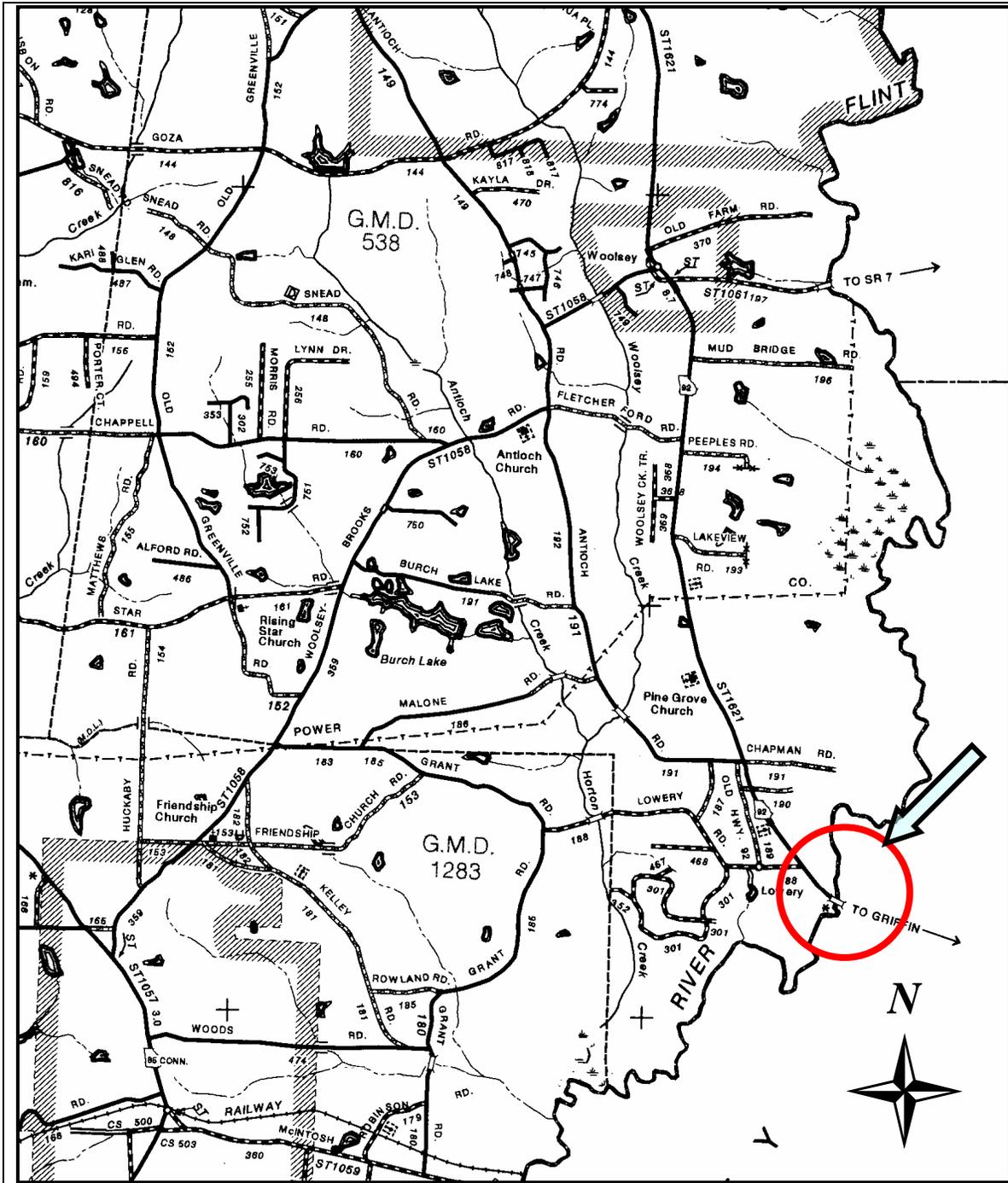
State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer



Location Map

Project: BR-0005-00-(568) Fayette & Spalding Counties PI No.: 0005568
Description: Replacement of SR 92 Bridge at Flint River 6.6 miles west of Griffin

Need and Purpose

Background

In August 2002, the State Maintenance Engineer requested that this project be added to the Construction Work Program (CWP) based on a routine analysis of bridges on the State Highway System. Based on the analysis performed by the Maintenance Office this bridge was found to be structurally deficient. As a result, the Office of Financial Management programmed this project in the CWP in October 2002.

The Atlanta Regional Commission (ARC) is currently updating the Transportation Plan for the 18-county Atlanta Metropolitan area. The Plan addresses travel needs through the year 2030. The Regional Transportation Plan (RTP) is the direct result of a comprehensive, cooperative, and continuous planning process conducted by ARC, local governments, the Georgia Regional Transportation Authority, and the Georgia Department of Transportation in cooperation with the Federal Highway and Federal Transit Administrations. The proposed project is recommended in the TIP/RTP (SP-009).

Existing Conditions

State Route 92 at Flint River in Fayette and Spalding Counties is functionally classified as a rural minor arterial. The existing facility is a two lane road with a posted speed limit of 55 MPH. The project is located in a non-attainment area; however, the proposed facility will also be a two lane road and therefore is exempt from any air quality analysis requirements by the Atlanta Regional Commission.

According to DOT policy 2405-1, a bridge should be replaced if its sufficiency rating is less than 50, structural evaluation rating is 2 or less, or its design live load is less than HS-20. The sufficiency rating on the structure is 39.66, the structural evaluation rating is 4, and HS load is 25.

Projects in the Area in the 6 years Construction Work Program

There are no projects in the area.

Travel Demand and Operational Characteristics

The 2004 traffic (ADT) data for State Route 92 at this location is 7,100 vehicles. It is anticipated that traffic will increase to 9,000 ADT in 2012 and 13,400 ADT in 2032. This is an increase in the existing traffic of approximately 27% by 2012 and 89% in 2032 for this section of roadway. This route has an estimated 15% trucks. This section of roadway is not on a school bus route.

Jan 4, 2007

Project Concept Report page 4

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation

State of Georgia

Safety

The following table shows the trend for accidents in the corridor at the project location.

Accidents on SR 92 at Flint River: Years 2000-2002

Year	Number of Accidents	Statewide Average Rates per 100 MVMT	Accident Rates per 100 MVMT
2000	0	208	0
2001	0	208	0
2002	0	208	0

The above table illustrates the number of accidents between 2000 and 2002, and the accidents per 100 MVMT. The statewide average rate for accidents on this type facility is 208. There were no accidents recorded for this section of roadway for this time period.

Need and Purpose

Based on the sufficiency rating, this bridge does not meet the minimum requirements set forth by the current GDOT design policy 2405-1. Therefore it is recommended that the bridge be improved to meet these requirements.

Description of the proposed project

The main purpose of the project is to provide a new bridge that meets safety requirements at SR 92 over the Flint River. The project will adequately handle future traffic needs within the existing typical section of two lanes. This project is programmed in the 2006-11 Transportation Improvement Program (TIP) as a Bridge Upgrade Project (SP-009), with a Right-of-Way Acquisition date of 2008, a Construction date of 2010, and a completion date of 2011. SR 92 is programmed as a two-lane roadway in the 2006-11 Transportation Improvement Program (TIP) and as a four-lane roadway in the Mobility 2030 Regional Transportation Plan (RTP)

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

Yes, but no lanes are being added under the current project. The project is modeled in the 2005-10 TIP as a bridge upgrade project with 2 lanes and a 2011 completion date. Since the proposed facility will also be a two lane road, it is therefore exempt from any air quality analysis requirements by the Atlanta Regional Commission. There is a long range project in the Mobility 2030 Regional Transportation Plan (RTP), Project FA-248, to widen SR 92 to four-lanes with a completion date of 2030.

Jan 4, 2007

Project Concept Report page 5

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation

State of Georgia

PDP Classification: Major_ Minor X

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

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): N/A

State Route Number(s): SR92

Traffic (AADT) for SR92

2004 ADT = 7100

2012 ADT (Base Year) = 9000

2032 ADT (Design Year) = 13400

Existing design features:

- Typical Section: Two 12' lanes with variable width grassed rural shoulders
- Posted speed: 55 mph Maximum degree of curvature: 5° 00'
- Maximum grade: 2.7 % Mainline
- Width of right-of-way: Varies from 80 ft to 100 ft.
- Major structures:
 - Flint River Bridge- 17 spans @ 27'-0" each with a total length of 459', continuous steel with Concrete in place deck. The bridge roadway curb to curb clear width is 27.80ft with a 2ft sidewalk and the sufficiency rating is 38.42 as of Jan 4, 2007.
- Major interchanges or intersections along the project: none
- Existing length of roadway segment: 0.70 miles

Proposed Design Features:

- Proposed typical section(s): two 12' Lanes, 10' rural shoulders
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 2.7% 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 5° 00' Maximum degree allowable 6° 00'
- Right-of-Way
 - Additional Width: Varies from 10' - 75'
 - Easements: Temporary (X), Permanent (X), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 17 Number of displacements: 2
 - Business: 0
 - Residences: 2
 - Mobile homes: 0

Jan 4, 2007

Project Concept Report page 6

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation

State of Georgia

- Other: 0
- Structures:
 - Bridge over Flint River- 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.
- Major intersections and interchanges: none
- Traffic control during construction: The traffic will be maintained on-site during construction. The bridge will be constructed at a permanent offset.
- 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; Comprehensive Monitoring Plan; Archeological sites located to the south of the existing bridge
- 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 Materials Office
- Providing detours: N/A

Jan 4, 2007

Project Concept Report page 7

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation
State of Georgia

Coordination

- Initial Concept Meeting and brief Summary – See attachments
- Concept meeting date: November 8, 2006
- FEMA, USCG, GA Power. The Flint River is a FEMA studied river.
- Public involvement. None required
- Local government comments.
- Other projects in the area: None

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: 12 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 3 is selected for this concept

Alternative 1 was eliminated due to the excessive length of a suitable offsite detour. Alternative 2 was eliminated due to geometry, future widening considerations and environmental impacts. Alternative 4 was eliminated due to the cost of building a temporary detour bridge. Alternative 5 was eliminated due low sufficiency rating, which is 38.42 out of 100, as of Jan 4, 2007.

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 (for earthwork calculations)
7. Location and Design Notice (on minor projects)

SR92 Bridge over Flint River
BR-0005-00(568)
Fayette/Spalding Co. PI # 0005568

Meeting Minutes – Concept Team Meeting
November 8, 2006

ATTENDIES:

Yun Tang – GDOT (office of consultant design) (404) 463-0290
David Coleman – GDOT (706) 228-7333
Michael Presley – GDOT (706) 741-3420
Christa Wilkinson – GDOT (404) 699-4437
Kerry Gore – GDOT (706) 646-6532
Patrick Smith – URS (678) 808-8876
George Manning – URS (678) 808-8882
Steve Manley – MAS (706) 646-6100
Brett Davis – BELL SOUTH (770) 227-6892
Richard Meehan – Lowe Engineers (770) 857-8434
Tony Edwards – Lowe Engineers (770) 857-8447
Jenny Lee – Lowe Engineers (770) 857-8409

- I. WELCOME
- II. INTRODUCTION OF EACH ATTENDEE
- III. PROJECT IDENTIFICATION
 - i. BR-0005-00(568) Fayette/Spalding County
 - ii. Bridge Replacement, SR 92 over Flint River
- IV. FUNCTIONAL CLASSIFICATION
 - a. Rural Minor Arterial
- V. NEED AND PURPOSE STATEMENT
 - a. Structurally deficient bridge (39.66 rating)
- VI. TRAFFIC PROJECTIONS
 - a. 2004 – 7100 VPD
 - b. 2012 – 9000 VPD
 - c. 2032 – 13400 VPD
 - d. 24 HR TRUCKS – 7%
- VII. EXISTING TYPICAL SECTION
 - a. 2 – 12' lanes w/ variable width grassed shoulders
 - b. 100' r/w
 - c. 55 mph posted speed
- VIII. DESIGN CRITERIA

August 29, 2006

Project Concept Report page 9

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation

State of Georgia

- a. 55 mph rural design
- IX. PROPOSED PROJECT DESCRIPTION
 - a. Build new parallel bridge to the south of existing bridge
 - b. 2- 12' lanes, 10' rural shoulders (6.5' paved)
 - c. R/W 100'
 - d. Easement for Construction, Maintenance, & Removal of Detour
- X. MAJOR STRUCTURES
 - a. 17 spans @ 27'-0" each with a total length of 459', continuous steel with Concrete in place deck. The bridge roadway curb to curb clear width is 27.80ft with a 2ft sidewalk and the sufficiency rating is 39.66
 - 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. 9 Parcels
 - b. 2 Displacements
- XIII. UTILITIES
 - a. Fiber optic Telephone on South Side. Hang on bridge inside of the 1st beam.
 - b. Well in front yard of houses on the south side
- 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 would also result in displacements, additional wetlands impacts
 - c. Build proposed bridge on the existing alignment by closing the road and detouring traffic to on-site detour bridge either North or South – would still result in displacements and in wetlands impacts, additional cost of building detour bridge
 - d. No build Alternative – structurally deficient
- XV. LEVEL OF ENVIRONMENTAL ANALYSIS AND CONCERNS
 - a. URS
 - b. In Non-attainment area. Modeled as 2-lane roadway in TIP. Long Range modeled 4 lanes in 2030 RTP.
- XVI. PROJECT DEVELOPMENT SCHEDULE
 - a. Environmental Document – June 2007?
 - b. PFPR – July 2007
 - c. R/W Plans - November 2007
 - d. Construction – December 2008
- XVII. PUBLIC HEARING

August 29, 2006

Project Concept Report page 10

Project Number: BR-0005-00(568)

P.I. Number: 0005568

County: Fayette & Spalding Counties

Department Of Transportation

State of Georgia

a. Not Held

XVIII. COMMENTS FROM ATTENDEEES

- a. One PIH/PIOH may be held/scheduled to discuss two potential residential displacements.
- b. There will be no staging issues concerning traffic flow due to the minimal vertical elevation difference from the old alignment to the new, traffic will continue on existing road until bridge is completed.
- c. New roadway will be built to the south within close proximity of existing alignment. Once roadway is completed the existing roadway will be graded to the north to accommodate drainage.
- d. Two Fiber optics telephone lines on the north side will have to be relocated.
- e. No historical tree data found for this project.
- f. Schedules on Right of Way plan will be pushed to 12 months instead of 9 months.
- g. The concept alignment will be pushed back further to the south, approximately 6', to accommodate future expansion from 2 lanes to 4 lanes on SR92.
- h. Engineering Services had no comments.

Estimate Report for file "005568"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	134646.83	TRAFFIC CONTROL -	134646.83
201-1500	3	LS	5000.00	CLEARING & GRUBBING -	15000.00
206-0002	2800	CY	9.00	BORROW EXCAV, INCL MATL	25200.00
433-1000	200	SY	151.20	REINF CONC APPROACH SLAB	30240.00
441-0014	800	SY	31.80	DRIVEWAY CONCRETE, 4 IN TK	25440.00
550-2180	500	LF	26.32	SIDE DRAIN PIPE, 18 IN, H 1-10	13160.00
550-3618	32	EA	571.87	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	18299.84
634-1200	9	EA	93.25	RIGHT OF WAY MARKERS	839.25
641-1100	100	LF	35.89	GUARDRAIL, TP T	3589.00
641-1200	900	LF	15.23	GUARDRAIL, TP W	13707.00
641-5012	4	EA	1674.76	GUARDRAIL ANCHORAGE, TP 12	6699.04
Section Sub Total:					\$286,820.96

Section REQUIRED PAVEMENT

Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-1101	4400	TN	20.00	GR AGGR BASE CRS, INCL MATL	88000.00
402-1812	500	TN	100.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	50000.00
402-3110	650	TN	100.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	65000.00
402-3112	700	TN	100.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	70000.00
402-3121	1700	TN	100.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	170000.00
413-1000	800	GL	1.23	BITUM TACK COAT	984.00
Section Sub Total:					\$443,984.00

Section EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	1600.00	TEMPORARY GRASSING	1600.00
163-0240	20	TN	203.42	MULCH	4068.40
163-0300	2	EA	1810.13	CONSTRUCTION EXIT	3620.26
163-0503	3	EA	516.75	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	1550.25
163-0520	200	LF	13.92	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	2784.00
163-0521	17	EA	160.13	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	2722.21
165-0010	9000	LF	1.08	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	9720.00
165-0030	2600	LF	1.31	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	3406.00
165-0040	17	EA	71.07	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	1208.19
165-0087	3	EA	169.96	MAINTENANCE OF SILT CONTROL GATE, TP 3	509.88
165-0101	2	EA	470.73	MAINTENANCE OF CONSTRUCTION EXIT	941.46
167-1000	1	EA	1688.38	WATER QUALITY MONITORING AND SAMPLING	1688.38
167-1500	18	MO	911.79	WATER QUALITY INSPECTIONS	16412.22

August 29, 2006
 Project Concept Report page 12
 Project Number: BR-0005-00(568)
 P.I. Number: 0005568
 County: Fayette & Spalding Counties

Department Of Transportation
 State of Georgia

171-0010	9000	LF	1.99	TEMPORARY SILT FENCE, TYPE A	17910.00
171-0030	2600	LF	3.36	TEMPORARY SILT FENCE, TYPE C	8736.00
603-2024	300	SY	46.03	STN DUMPED RIP RAP, TP 1, 24 IN	13809.00
603-7000	300	SY	4.26	PLASTIC FILTER FABRIC	1278.00
700-6910	1	AC	1600.00	PERMANENT GRASSING	1600.00
700-7000	12	TN	58.63	AGRICULTURAL LIME	703.56
700-7010	15	GL	18.78	LIQUID LIME	281.70
700-8000	2	TN	283.70	FERTILIZER MIXED GRADE	567.40
700-8100	300	LB	1.65	FERTILIZER NITROGEN CONTENT	495.00
715-2200	1800	SY	2.00	BITUMINOUS TREATED ROVING, WATERWAYS	3600.00
716-2000	2000	SY	1.12	EROSION CONTROL MATS, SLOPES	2240.00
Section Sub Total:					\$101,451.91

Section TRAFFIC SIGNS & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1029	50	SF	17.89	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	894.50
636-2070	80	LF	7.32	GALV STEEL POSTS, TP 7	585.60
653-1501	9500	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	2755.00
653-1502	19000	LF	0.29	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	5510.00
654-1001	115	EA	3.58	RAISED PVMT MARKERS TP 1	411.70
Section Sub Total:					\$10,156.80

Section BRIDGE SR92 OVER FLINT RIVER					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
000-000	20240	SF	75.00	460 x 44 BRIDGE	1518000.00
000-000	13800	SF	20.00	EXISTING BRIDGE REMOVAL	276000.00
Section Sub Total:					\$1,794,000.00

Total Estimated Cost: \$2,636,413.67

Subtotal Construction Cost	\$2,636,413.67
E&C Rate 10 %	\$263,641.37
Inflation Rate 0 % @ 0 Years	\$0.00
<hr/>	
Total Construction Cost	\$2,900,055.04
Right Of Way	\$450,000.00
ReImb. Utilities	\$50,000.00
<hr/>	
Grand Total Project Cost	\$3,400,055.04

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0005-00(568), **OFFICE** Environment/Location
Fayette, Spalding Counties
P.I. # 0005568 **DATES** November 8, 2004

FROM Harvey Keeper, State Environment/Location Engineer

TO Brent Story, P.E., State Consultant Design Engineer
Attn. Ted Cashin

SUBJECT Traffic Volume for S.R. 92 @ Flint River 6.6 miles west of Griffin

Traffic Volume for the above project is attached below:

2004 ADT = 7100
2012 ADT = 9000
2032 ADT = 13400
D = 67%
K = 11%
T = 5%
24 HR. T. = 7%
S.U. = 3%
COMB. = 4%

If you have any questions concerning this information please contact
Soli Shakshuki at (404) 699-4458

HDK/SMS

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 255-0021-0 Spalding SUFF. RATING 39.66

Location & Geography

* Structure I.D.No:	255-0021-0	* 104 Highway System:	0	Signs & Attachments	
* 200 Bridge Information	07	* 26 Functional Classification:	06	225 Expansion Joint Type:	02
* 6A Feature Int:	FLINT RIVER	* 204 Federal Route Type:	F	242 Deck Drains:	1
* 6B Critical Bridge:	0		No.: 01621	243 Parapet Location:	0
* 7A Route Number Carried:	SR00092	* 105 Federal Lands Highway:	0	Height:	0.00
* 7B Facility Carried:	SR 92	* 110 Truck Route:	0	Width:	0.00
* 9 Location:	6.6 MI W OF GRIFFIN	* 206 School Bus Route:	1	238 Curb:	1.20 1
2 DOT District:	3	* 217 Benchmark Elevation:	0611.00	239 Handrail:	1 1
207 Year Photo:	1998	* 218 Datum:	2	* 240 Median Barrier Rail:	0
* 91 Inspection Frequency:	24 Date: 10/18/2002	* 19 Bypass Length:	10	241 Bridge Median Height:	0.00
92A Fract Crit Insp Freq:	00 Date: 02/01/1901	* 20 Toll:	3	Width:	0.00
92B Underwater Insp Freq:	60 Date: 11/20/2001	* 21 Maintenance:	01	* 230 Guardrail Loc Dir Rear:	3
92C Other Spc. Insp Freq:	00 Date: 02/01/1901	* 22 Owner:	01	Fwrd:	3
* 4 Place Code:	00000	* 31 Design Load:	4	Oppo Dir Rear:	0
* 5 Inventory Route (O/U):	1	* 37 Historical Significance:	5	Fwrd:	0
Type:	3	* 205 Congressional District:	03	244 Approach Slab:	3
Designation:	1	27 Year Constructed:	1955	224 Retaining Wall:	0
Number:	00092	* 106 Year Reconstructed:	0000	233 Posted Speed Limit:	55
Direction:	0	33 Bridge Median:	0	236 Warning Sign:	0
* 16 Latitude:	33-18.5	* 34 Skew:	00	234 Delineator:	1
* 17 Longitude:	84-23.6	35 Structure Flared:	0	235 Hazard Boards:	0
98 Border Bridge:	000	* 38 Navigation Control:	0	237 Utilities Gas:	00
99 ID Number:	0000000000000000	213 Special Steel Design:	0	W	00
* 100 STRAHNET:	0	267 Type of Paint:	5	Ele-	00
12 Base Highway Network:	1	* 42 Type of Service on:	1	Telephone:	22
13A LRS Inventory Route:	2551009200	214 Movable Bridge:	0	St	00
13B Sub Inventory Route:	0	203 Type Bridge:	E-N-M-O	Lighting Street:	0
* 101 Parallel Structure:	N	259 Pile Encasement:	2	Navigation:	0
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	4 02	Aerial:	0
* 264 Road Inventory Mile Post:	008.52	45 No. Spans Main:	017	* 248 County Continuity No.:	00
* 208 Inspection Area:	03	44 Structure Type Appr:	0 00		
Engineer's Initial:	sgm	46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	0		
* Location I.D. No.:	255-00092D-008.52N	111 Pier Protection:	0		
		107 Deck Structure Type:	1		
		108 Wearing Surface Type:	1		
			8		
			F		
			8		

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 255-0021-0

Spalding

SUFF. RATING

39.66

Programming Data

201 Project No.: BA (3) 1028 (4)
 202 Plans Available: 4
 249 Prop. Proj. No. BR-0005-00 (568)
 250 Approval Status: 0000
 251 P.I. No.: 0005568
 252 Contract Date: 02/01/2010
 260 Seismic No.: 00000
 75 Type Work: 34 1
 94 Bridge Imp. Cost: \$ 393
 95 Roadway Imp. Cost: \$ 258
 96 Total Imp Cost: \$ 868
 76 Imp. Length: 001779
 97 Imp. Year: 1990
 114 Future ADT: 008400 Year: 2021

Measurements

* 29 ADT: 005600 Year: 2001
 109 % Trucks: 15
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 459
 51 Br. Rwdy. Width: 27.80
 52 Deck Width: 34.30
 * 47 Tot. Horiz. Cl: 27.80
 50 Curb/Sdewlk Width: 2.00/2.00
 32 Approach Rdwy Width: 024
 * 229 Shoulder Width:
 Rear Lt: 6.00 Type: 8 Rt: 6.00
 Fwd Lt: 6.00 Type: 8 Rt: 6.00
 Pavement Width:
 Rear: 24.00 Type: 2
 Fwd: 24.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail:
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over:
 Under: N
 * 228 Min. Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horiz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 1999 Sub: 1999

Ratings

65 Inventory Rating Method: 2
 63 Inventory Rating Method: 2
 66 Inventory Type: 2 Rating: 31
 64 Operating Type: 2 Rating: 49
 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: 30
 67 Structural Evaluation: 4
 58 Deck Condition: 5
 59 Superstructure Condition: 8
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 5
 60C Underwater Condition: 5
 71 Waterway Adequacy: 6
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

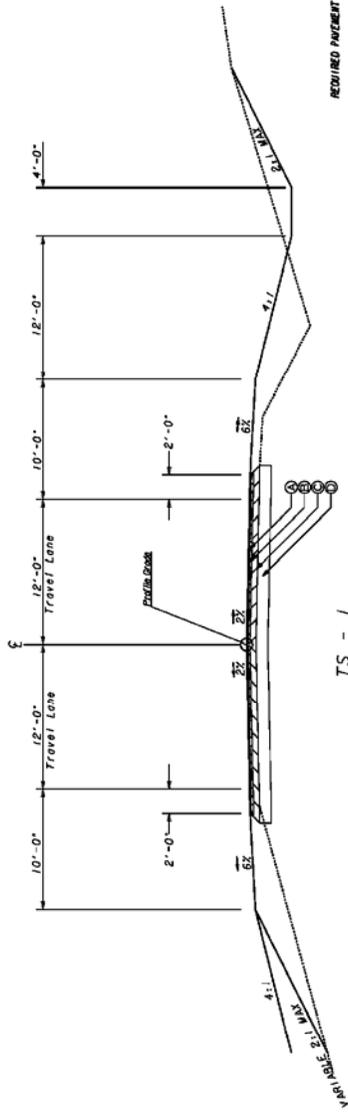
Posting Data

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

Hydraulic Data

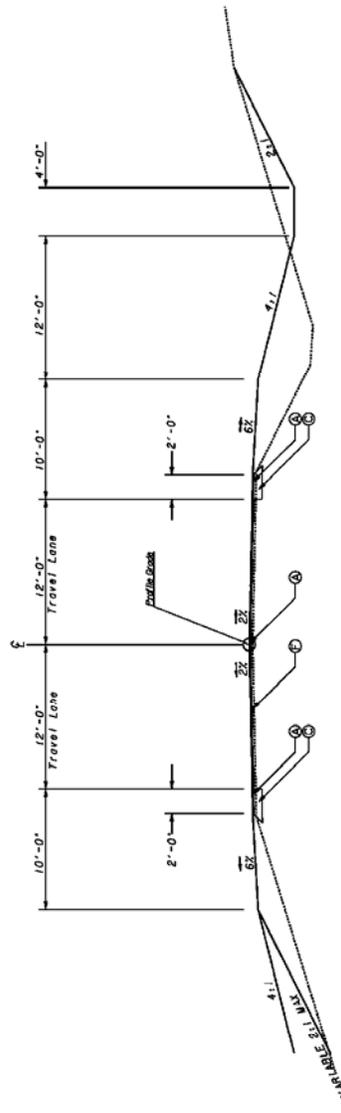
215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 11.5 Br. Height: 13.0
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0
 * 265 U/W Insp. Area: 1 Diver: RM

* Location I.D. No.: 255-00092D-008.52N



TS - 1
TANGENT SECTION : MAINLINE
APPLIES STA. 26+20.42 TO STA. 44+00

- REQUIRED PAVEMENT**
- ① RECYCLED ASPH CONC 9.5 MM SUPERPAVE B
 - ② 110 LB/ST SUPERPAVE MIX DESIGN LEVEL 1S 1A
 - ③ RECYCLED ASPH CONC 19 MM SUPERPAVE B
 - ④ 110 LB/ST SUPERPAVE MIX DESIGN LEVEL 1S 1A
 - ⑤ RECYCLED ASPH CONC 25 MM SUPERPAVE B
 - ⑥ 110 LB/ST BITUM MTL R. 174E
 - ⑦ GRADED AND AGGREGATED DUNE. 12" TH
 - ⑧ RECYCLED ASPH CONC LEVELING. AS REQUIRED.
 - ⑨ RECYCLED ASPH CONC 19 MM SUPERPAVE B
 - ⑩ 110 LB/ST



TS - 2
TANGENT SECTION : MAINLINE OVERLAY
APPLIES STA. 13+92 TO STA. 26+20.42 &
STA. 44+00 TO STA. 57+26.32

<p>STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE : CONSULTANT DESIGN</p>	<p>REVISION DATES</p>	<p>TYPICAL SECTIONS</p>
<p>SR 92 BRIDGE OVER FLINT RIVER</p>		
		<p>DESIGN NO. 5-1</p>

LOWE ENGINEERS

2000 INVERDINE PARKWAY, SUITE 400, ATLANTA, GA 30338
PHONE 770.857.9400 FAX 770.857.2403



LOWE ENGINEERS
 2000 BIRNDSIDE PARKWAY, SUITE 400, ATLANTA, GA 30328
 PHONE 770.857.8400 FAX 770.857.8403

STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
 OFFICE: CONSULTANT DESIGN
MAINLINE PLAN

SR 92 BRIDGE OVER
 FLINT RIVER

REVISION DATES

NO.	DATE	DESCRIPTION

SCALE IN FEET

— REQUIRED R/W LINE
— EXIST. PROPERTY LINE
— PROPOSED BRIDGE
— PROPOSED CUT/FILL
— EXISTING TOPOGRAPHY



<p>STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE: MAINLINE PLAN</p>																					
<p>REVISION DATES</p> <table border="1"> <tr><td> </td><td> </td></tr> </table>																					<p>SCALE IN FEET</p>
<p>LOWE ENGINEERS 2000 BIRCHWOOD PARKWAY, SUITE 400, ATLANTA, GA 30328 PHONE 770.851.8400 FAX 770.851.8403</p>																					
<p>DRAWING NO. 13-4</p>																					

- REQUIRED R/W LINE
- EXIST. PROPERTY LINE
- PROPOSED BRIDGE
- PROPOSED CUT/FILL
- PROPOSED PAVEMENT
- EXISTING TOPOGRAPHY