

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0005531, Madison County **OFFICE** Preconstruction  
BR-0005-00(531)  
SR 191 over Skull Shoal Creek Bridge Replacement **DATE** February 13, 2007

**FROM** *Cynthia Venable*  
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  
Russell McMurry  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P. I. No. 0005531, Madison County  
BR-0005-00(531)  
SR 191 over Skull Shoal Creek  
Bridge Replacement

**OFFICE:** Preconstruction

**DATE:** January 25, 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 191 over Skull Shoal Creek, 4.0 miles northeast of Danielsville, Georgia. The existing bridge, constructed in 1947, is load limited with a sufficiency rating of 31. State Route 191 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 191 is functionally classified as a rural major collector. Traffic is projected to be 900 VPD and 1,300 VPD in the years 2009 and 2029 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 250' x 38' concrete bridge over Skull Shoal Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained during construction utilizing an off-site detour.

Environmental concerns include requiring a COE 404 permit; a Categorical Exclusion will be prepared; a public hearing open house is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C and inflation)	\$1,726,000	\$2,002,000	LICO	2010
Right-of-Way	\$ 39,000	\$ 39,000	LICO	2007
Utilities*	\$ 60,000	-----		

\*Requested Madison County do utilities 12-6-02; rescission letter sent to Madison County 4-7-05.

David Studstill  
Page 2

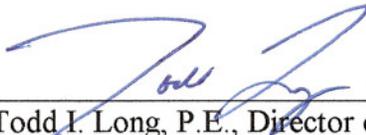
P. I. No. 0005531, Madison  
January 25, 2007

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**

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**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** BR-0005-00(531) Madison  
P.I. No. 0005531  
S.R. 191 over Shoal Creek

**OFFICE:** Engineering Services

**DATE:** January 30, 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 December 13, 2006 and have no comments.

The costs for this project are:

Construction	\$1,643,648
E & C	\$164,365
Reimbursable Utilities	\$60,000
Right of Way	\$39,170

REW

c: Babs Abubakari, Attn.: Yun Tang

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BR-0005-00(531)		<b>County:</b> Madison		<b>PI No.:</b> 0005531	
<b>Report Date:</b> January 4, 2007		<b>Concept By:</b> DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Street Smarts			
<b>Project Type:</b> 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	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
Presentation	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Program Delivery and Consultant Design**

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER: BR-0005-00(531)**

County: Madison

Project P.I. Number: 0005531

Federal Route Number: N/A

State Route Number: 191

**S.R. 191 Over Skull Shoal Creek Bridge Replacement**

*[see page 3 for location sketch]*

Recommendation for Approval:

Date: January 4, 2007

Yun Tang  
Project Manager

Date: January 4, 2007

M. Babs Abubakari  
Office Head

This 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 Program (STIP).

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
District Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Project Review Engineer

Date: 1/4/07

Paul V. Tule Jr  
Bridge Design

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Program Delivery and Consultant Design**

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER: BR-0005-00(531)**

County: Madison

Project P.I. Number: 0005531

Federal Route Number: N/A

State Route Number: 191

**S.R. 191 Over Skull Shoal Creek Bridge Replacement**

*[see page 3 for location sketch]*

Recommendation for Approval:

Date: January 4, 2007

Yun Tang  
Project Manager

Date: January 4, 2007

M. Babs Abubakari  
Office Head

This 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 Program (STIP).

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

Date: 1-11-07

James T. Simpson  
State Transportation Financial Management Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
District Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Project Review Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
Bridge Design

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Program Delivery and Consultant Design**

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER: BR-0005-00(531)**

County: Madison

Project P.I. Number: 0005531

Federal Route Number: N/A

State Route Number: 191

**S.R. 191 Over Skull Shoal Creek Bridge Replacement**

***[see page 3 for location sketch]***

Recommendation for Approval:

Date: January 4, 2007

Yun Tang  
Project Manager

Date: January 4, 2007

M. Babs Abubakari  
Office Head

This 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 Program (STIP).

Date: 1-12-2007

Angela J. Alexander  
State Transportation Planning Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
District Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Project Review Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
Bridge Design

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Program Delivery and Consultant Design**

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER: BR-0005-00(531)**

County: Madison

Project P.I. Number: 0005531

Federal Route Number: N/A

State Route Number: 191

**S.R. 191 Over Skull Shoal Creek Bridge Replacement**

*[see page 3 for location sketch]*

Recommendation for Approval:

Date: January 4, 2007

Yun Tang  
Project Manager

Date: January 4, 2007

M. Babs Abubakari  
Office Head

This 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 Program (STIP).

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
District Engineer

Date: 1/30/07

Brian K. Sumner *REW*  
State Project Review Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
Bridge Design

## NOTICE OF LOCATION AND DESIGN APPROVAL

Project Name	Project Number	P.I. Number	County
SR191 Over Scull Shoal Creek Bridge Replacement	BR-0005-00(531)	0005531	Madison

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 Madison County in the 1<sup>st</sup> U.S. Congressional District, in Land Lots 341 and 342 of the 4<sup>th</sup> Land District of Madison County.

### Descriptions of the Proposed Construction:

The proposed bridge replacement on SR 191 over Scull Shoal Creek will have a total length of approximately 2400 linear feet with the existing bridge located near the center of the project. SR191 is currently signed at 55 mph and will be designed at that speed. The existing bridge has a length of 100'. The replacement bridge will have an approximate length of 250'. The horizontal alignment will be skewed slightly in order to avoid the historic property to the north of the bridge and to the west of the road. An off-site detour is proposed for this project.

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:

Todd Wood, Area Engineer  
Todd.wood@dot.state.ga.us  
301 Conger Road  
PO Box 330  
Carnesville, GA 30521  
Telephone: (706) 384-7269

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:

Russel McMurry, District Engineer  
Russel.mcmurry@dot.state.ga.us  
2505 Athens Highway, SE  
PO Box 1057  
Gainesville, GA 30503  
Telephone (770) 532-5526

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**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE**      **PROJECT NUMBER: BR-0005-00(531) PI No. 0005531**  
**Madison County**  
S.R. 191 Over Skull Shoal Creek Bridge Replacement

**OFFICE**      Consultant Design

*M. Babs Abubakari*

**FROM**      Babs Abubakari, P.E., State Consultant Design Engineer

**DATE**      January 4, 2007

**TO**      Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT**    **PROJECT CONCEPT REPORT**

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

MBA: MAH: YT

Distribution:

*Brian Summers -- State Project Review Engineer*  
*Harvey Keeper -- State Environment/ Location Engineer*  
*Carla Holmes -- State Traffic Operations Engineer*  
*Angela Alexander -- State Transportation Planning Administrator*  
*Jamie Simpson -- State Transportation Financial Management Administrator*  
*Russell McMurry -- District 1 Engineer*  
*Paul Liles, Jr. -- State Bridge Design Engineer*

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
Office of Program Delivery and Consultant Design**

**PROJECT CONCEPT REPORT**

**PROJECT NUMBER: BR-0005-00(531)**

County: Madison

Project P.I. Number: 0005531

Federal Route Number: N/A

State Route Number: 191

**S.R. 191 Over Skull Shoal Creek Bridge Replacement**

*[see page 3 for location sketch]*

Recommendation for Approval:

Date: January 4, 2007

Yun Tang  
Project Manager

Date: January 4, 2007

M. Babs Abubakari  
Office Head

This 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 Program (STIP).

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

Date: \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
District Engineer

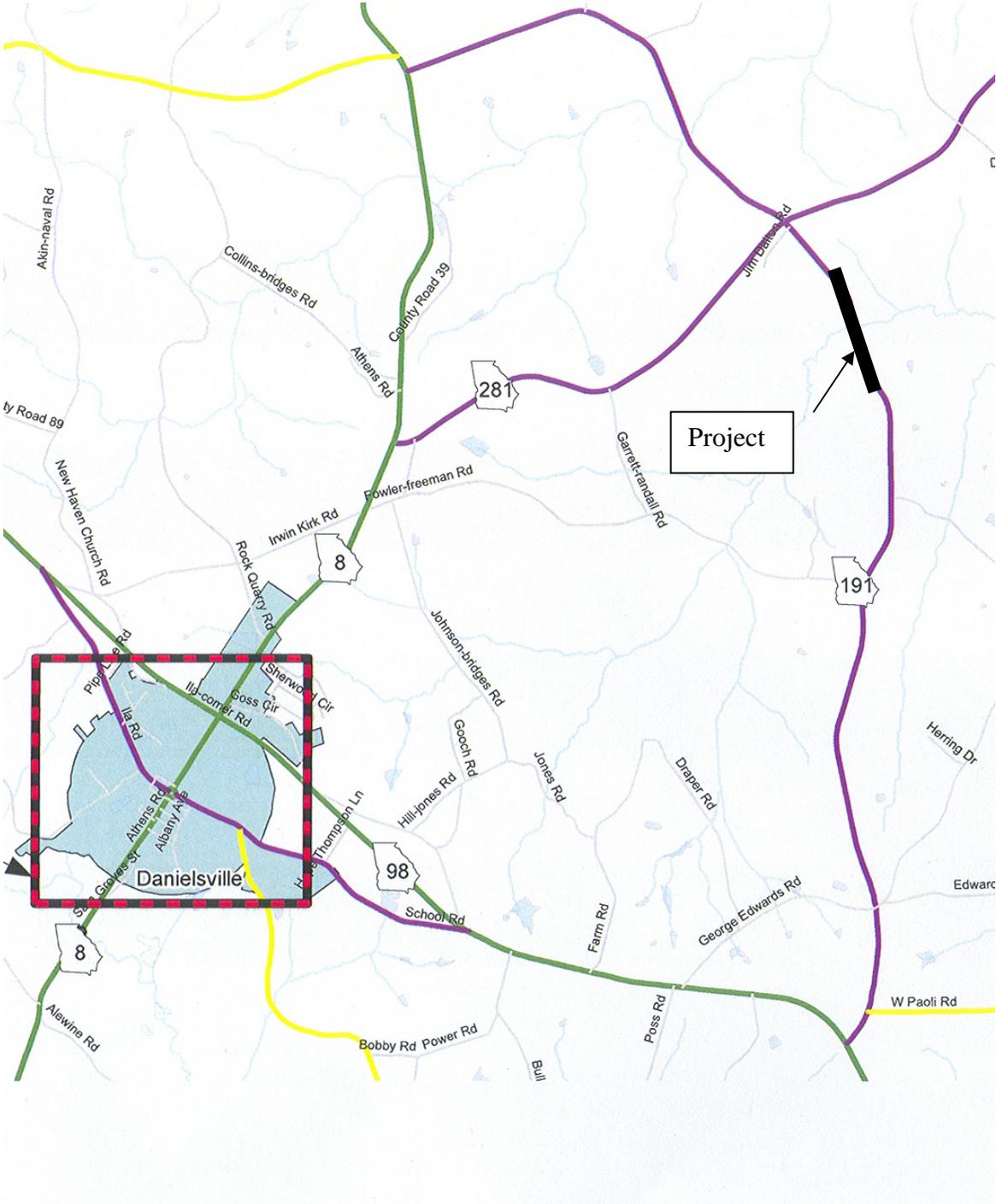
Date: \_\_\_\_\_

\_\_\_\_\_  
State Project Review Engineer

Date: \_\_\_\_\_

\_\_\_\_\_  
Bridge Design

# SITE LOCATION MAP



**Need and Purpose:** Bridge project BR-0005-(00(531) will replace the existing bridge at SR 191 over Scull Shoal Creek, located 4.0 miles northeast of the City of Danielsville, in Madison County, with a 40 foot-10 inch bridge. Title 23 CFR Section 650 and the current Federal Aid Policy Guide allows a bridge to be replaced provided that its sufficiency rating is below 50. In addition to the Federal Guide, the Department’s directive 2405-1 provides further criteria for bridge replacement. The bridge has a sufficiency rating of 31.15 and meets the additional requirement for replacement because the superstructure rating is 4. The superstructure condition describes the physical condition of all structural members that may include cracking, deterioration, section loss and malfunction and misalignment of bearings. This bridge replacement would allow the bridge on SR 191 over Scull Shoal Creek to meet the requirements set forth by the current GDOT design policies.

The bridge is located in Census Tract 202, Block Group 3. According to the 2000 Census, the block group population consisted of 2% minority with 19% of the block group residents living below the poverty level, whereas, the population in Madison County consisted of 11% minority with 12.6% of the residents living below the poverty level. Statewide, 34.9% of the population consisted of minorities and 12.6% lived below the poverty level.

This section of SR 191 is functionally classified as a rural major collector with a posted speed limit of 55. SR 191 is identified as a school bus route but is not a part of the Statewide Bicycle and Pedestrian Plan. Traffic along this facility carries an AADT of 750 with a Level of Service “A”. By the year 2030, traffic volumes along this section of SR 191 are projected to increase to 1,300 AADT and will continue to operate at an acceptable Level of Service.

Currently, there are no other projects in the Department’s Construction Work Program that will directly impact this bridge project. This project is not associated with any other projects and has independent utility.

**Description of the proposed project:** The proposed bridge replacement on SR 191 over Scull Shoal Creek will have a total length of approximately 2400 linear feet with the existing bridge located near the center of the project. SR191 is currently signed at 55 mph and will be designed at that speed. The existing bridge has a length of 100’. The replacement bridge will have an approximate length of 250’. The horizontal alignment will be skewed slightly in order to avoid the historic property to the north of the bridge and to the west of the road. An off-site detour is proposed for this project.

**Is the project located in a Non-Attainment area?** No.

**PDP Classification:** Major Project ( ) Minor Project (X)

**Project Designation:** Full Oversight ( ) Exempt (X) State Funded ( ) Other ( )

**Functional Classification:** Rural Major Collector

**U.S. Route Number:** N/A

**State Route Number:** 191

**Traffic (AADT – 2004 counts) – 750 v.p.d.**

**Traffic Projections (AADT) – Base Year 2009 – 900 v.p.d.**

**Traffic Projections (AADT) – Design Year 2029 – 1300 v.p.d.**

**Existing Design Features:**

- SR 191 is a two-lane rural roadway with a 55 mph speed limit. The adjacent land use is mainly forested with scattered residential structures.
- Typical Section: Two 12-foot travel lanes with 2-foot unpaved shoulders. Slopes vary from 2:1 to 4:1.
- Posted Speed: 55 mph
- Maximum Radius: 10,000 feet
- Maximum Grade (mainline): 8%
- Maximum Grade (driveway): 20%
- Width of Right-Of-Way: 80-200 feet
- Major Structures: Bridge, Structure ID 195-0019-0, 100' long, 26.50' deck width, 31.15 Suff. rating
- Major interchanges or intersections along the project: none
- Existing length of roadway segment: 0.27 miles

**Proposed Design Features:**

- Proposed Typical Sections: One 12-foot through lane in each direction with a 10-foot shoulder, 2-foot paved and 8-foot grassed. Slopes will vary from 2:1 in areas with guardrail to 4:1 in areas without guardrail.
- Proposed Design Speed: 55 mph
- Proposed Maximum Grade: 8.5%
- Maximum Grade Allowable: 9%
- Proposed Maximum Grade (Driveway): 25%
- Proposed Minimum Radius: 960'
- Minimum Radius Allowable: 960'
- Right of Way
  - Width: Varies 130-216 feet
  - Easements: Temporary (  ) Permanent (  ) Utility (  ) Other (  )
  - Type of access Control: Full (  ) Partial (  ) By Permit (  ) Other (  )
  - Number of Parcels: 8
  - Number of Displacements:
    - Business: 0
    - Residences: 0
    - Mobile Homes: 0
    - Other: 0
- Structures: Bridge approximately 250 feet long and 40 feet-10 inches wide
- Major intersections and interchanges: N/A
- Traffic control during construction: An off-site detour is proposed for this project. All driveway access will be maintained during construction.

- Design Exceptions to controlling criteria anticipated:

	<u>Undetermined</u>	<u>Yes</u>	<u>No</u>
Horizontal Alignment			X
Roadway Width			X
Shoulder Width			X
Vertical Grades			X
Cross Slopes			X
Stopping Site Distance			X
Super Elevation Rates			X
Horizontal Clearance			X
Speed Design			X
Vertical Clearance			X
Bridge Width			X
Bridge Structural Capacity			X

- Design Variances: None
- Environmental Concerns: Stream Crossing, Wetland Area
- Level of Environmental Analysis:
  - Are Time Saving Procedures appropriate? Yes ( ) No (X)
  - Categorical Exclusion? Yes (X) No ( )
  - Environmental Assessment/Finding of No Significant Impact – N/A
  - Environmental Impact Statement – N/A
- Utility Involvements:
  - Windstream Communications
  - Bellsouth
  - Colonial Pipeline
  - Georgia Power
  - Charter Communications
  - Jackson EMC
  - Plantation Pipeline Company
  - Williams Communication Inc.

Project Responsibilities:

- Design – GDOT
- Right-of-Way Acquisition – GDOT
- Relocation of Utilities – GDOT
- Letting to Contract – GDOT
- Supervision of Construction – GDOT
- Providing Material Pits – Contractor
- Providing Detours – GDOT

## Coordination

- Initial Concept Meeting Date:
- Concept meeting date and brief summary: 10/12/06
- P.A.R meetings, dates and results: N/A
- FEMA, USCG and/or TVA: TBD
- Public Involvement: N/A
- Local Government Comments: TBD
- Other Projects in the area: None
- Other Coordination to date: None

## Scheduling – Responsible Parties Estimate

Time to complete environmental process: 6 months

Time to complete preliminary construction plans: 2 month

Time to complete right-of-way plans: 1 month

Time to complete the Section 404 permit: 2 months

Time to complete final construction plans: 1 month

Time to complete the purchase of right-of-way: 6 months

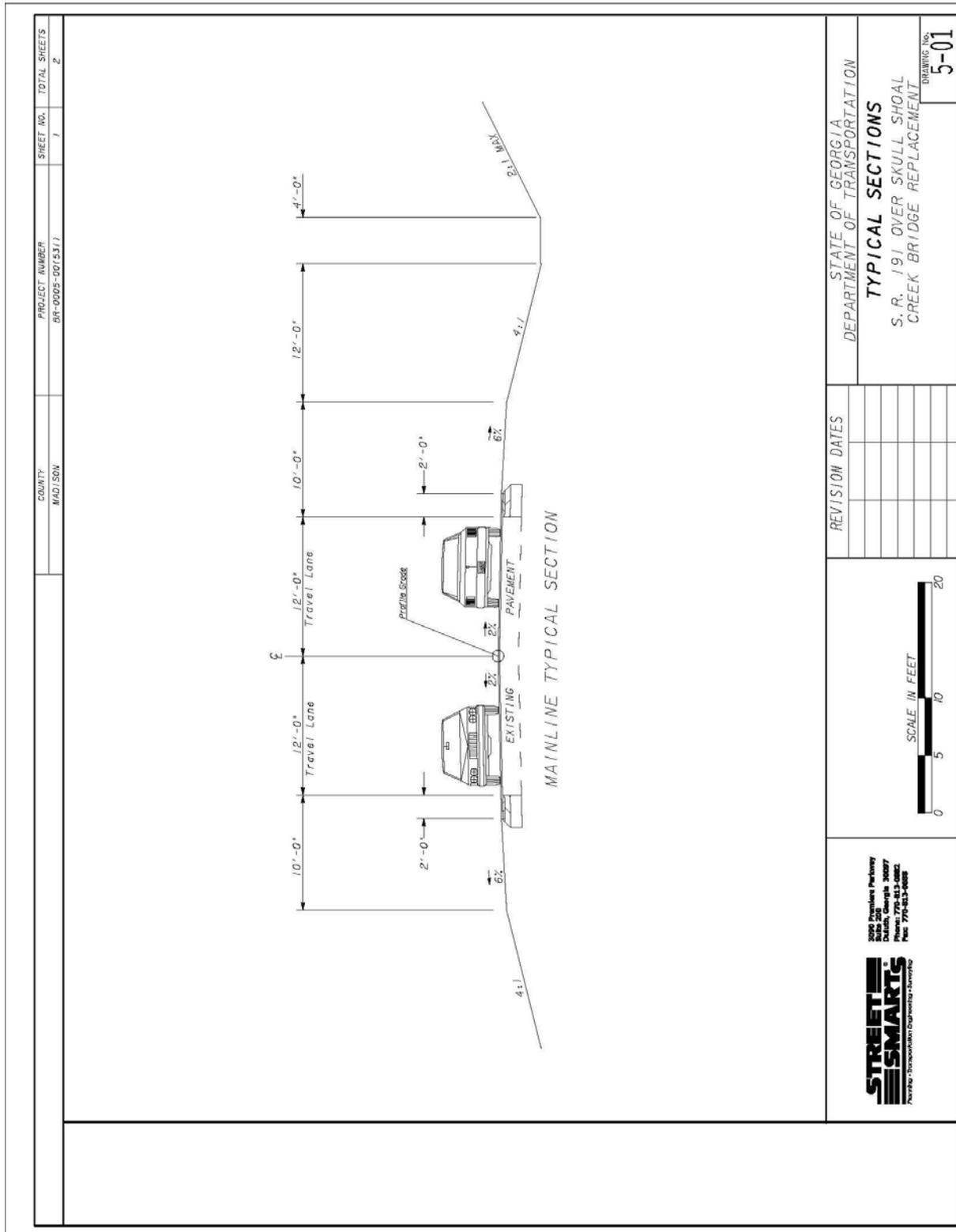
List other major items that will affect the project schedule: None

## Other Alternates Considered:

1. No Build. The No Build option is not a viable one since it does not address the structural deficiencies in the bridge and therefore does not meet the need and purpose of the project
2. Utilize an on-site detour. An on-site detour on this project is prohibitively expensive. The construction of the temporary roadway and temporary bridge would cost as much as the project that is being presented. Utilizing only state routes for the off-site detour a trip from one end of the bridge along the detour to the opposite end of the bridge is less than 12 miles. If county roads are utilized the total length of the detour is less than 5 miles.
3. Construct the new bridge with a 45 mph speed design. The current roadway has a posted speed limit of 55. Designing with this current speed will improve the safety of the road.

## Attachments:

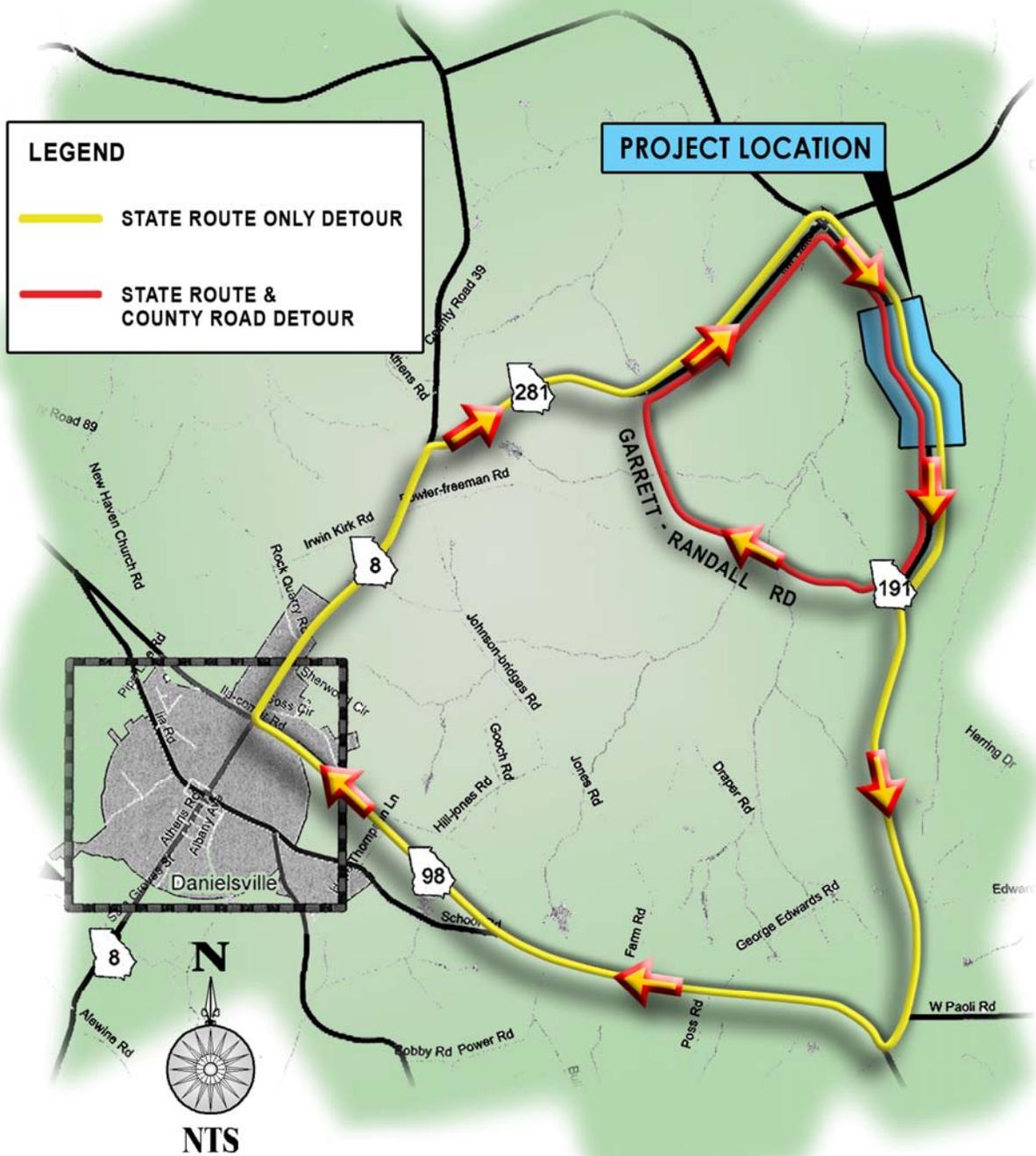
1. Roadway Typical Section
2. Bridge Typical Section
3. Detour Route
4. Concept Plan
5. Traffic Volumes
6. Bridge Inventory Data Listing
7. Cost Estimate
8. Concept Team Meeting Notes
9. Notice of Location and Design



STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION  <b>TYPICAL SECTIONS</b> S. R. 191 OVER SKULL SHOAL CREEK BRIDGE REPLACEMENT	REVISION DATES <table border="1" style="width: 100%; height: 40px;"> <tr><td> </td><td> </td></tr> </table>			SCALE IN FEET 	 3200 Peachtree Parkway Suite 200 Duluth, Georgia 30097 Phone: 770-813-8000 Fax: 770-813-8002



# Detour Route





# Department of Transportation State of Georgia

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## INTERDEPARTMENT CORRESPONDENCE

**FILE** BR-0005-00(531), Madison County      **OFFICE** Environment/Location  
P.I. # 0005531  
**DATE** November 08, 2006

**FROM** Harvey D. Keeper., State Environmental/Location Engineer

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

**SUBJECT** Updated Traffic Assignments for S.R. 191 @ Scull Shoal Creek 4 Miles NE of  
Danielsville

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

TC # = 187

Existing 2004 ADT = 750

2009 ADT = 900

2029 ADT = 1300

D = 60%

K = 12%

T = 6%

24 HR. T. = 8%

S.U. = 5%

COMB. = 3%

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

HDK/AMW

## COST ESTIMATE SUMMARY

A. Right-of-Way	\$39,170.00
B. Reimbursable Utilities	\$60,000.00
C. Construction	
1. Major Structures	\$814,583.33
2. Grading and Drainage	\$226,000.00
3. Base and Paving	\$509,225.00
4. Lump Items	\$79,240.00
5. Miscellaneous	\$14,600.00
Subtotal Construction Cost	\$1,643,648.33
E & C (5%)	\$82,182.42
<b>Total Construction Cost</b>	<b>\$1,725,830.75</b>
<b>Grand Total Project Cost</b>	<b>\$1,825,000.75</b>

## DETAILED CONCEPT COST ESTIMATE

<b>A. Right-of-Way</b>	
1. Property: ROW (3.53 acres @ \$10,000/acre)	\$35,300.00
Easement (0.043 Acres @ \$9,000/acre)	\$3,870.00
2. Displacements: Res: 0, Bus: 0, M.H.: 0	
Subtotal A	\$39,170.00
<b>B. Reimbursable Utilities</b>	
1. Water	\$30,000.00
2. Electric	\$30,000.00
Subtotal B	\$60,000.00
<b>C. Construction</b>	
1. Major Structures: Bridge 250' x 40'-10" @ \$70/sq. ft.	\$714,583.33
Remove Existing Bridge	\$100,000.00
Subtotal C-1	\$814,583.33
2. Grading and Drainage	
a. Earthwork (22,000 cy @ \$8.00/cy)	\$176,000.00
b. Drainage	\$5,000.00
c. Clearing & Grubbing (4.50 acres @ \$10,000/acre)	\$45,000.00
Subtotal C-2	\$226,000.00
3. Base and Paving	
a. Aggregate Base (4681 tons @ \$25.00/ton)	\$117,025.00
b. Asphalt Paving	
1 1/4" 9.5mm Superpave (477 tons @ \$100/ton)	\$47,700.00
2" 19mm Superpave (763 tons @ \$100/ton)	\$76,300.00
7" 25 mm Superpave (2670 tons @ \$100/ton)	\$267,000.00
Milling (600 sq. yds. @ \$2.00/sq. yd.)	\$1,200.00
Subtotal C-3	\$509,225.00
4. Lump Items	
a. Grassing (4.25 ac @ \$1000/acre)	\$4,240.00
c. Erosion Control	\$75,000.00
Subtotal C-4	\$79,240.00
5. Miscellaneous	
a. Signing & Marking	\$13,000.00
b. Guardrail (100 lf @ \$16/lf)	\$1,600.00
Subtotal C-5	\$14,600.00

## Concept Team Meeting Minutes 10/13/06

Name	E-Mail Address	Phone Number	Organization
Yun Tang	<a href="mailto:Yun.tang@dot.state.ga.us">Yun.tang@dot.state.ga.us</a>	404-463-0290	GDOT
Todd Wood	<a href="mailto:Tood.wood@dot.state.ga.us">Tood.wood@dot.state.ga.us</a>	770-531-6049	GDOT
Shane Dover	<a href="mailto:Shane.dover@dot.state.ga.us">Shane.dover@dot.state.ga.us</a>	770-532-5580	GDOT District 1
Bill Cantrell	<a href="mailto:Bill.cantrell@dot.state.ga.us">Bill.cantrell@dot.state.ga.us</a>	770-532-5530	GDOT District 1
James S Moore	<a href="mailto:James.moore@dot.state.ga.us">James.moore@dot.state.ga.us</a>	770-532-5528	GDOT Construction
Amber Perkins	<a href="mailto:Amber.perkins@dot.state.ga.us">Amber.perkins@dot.state.ga.us</a>	404-699-3473	GDOT OEL
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1. Andy Anderson described the project.
2. Changes required:
  - a. Check the bridge widths.
  - b. Check the phone numbers on the Notice of Location and Design.
  - c. Change design speed to 55 mph.
  - d. Parcel 65-95A is potentially historic.