

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0006468, Brantley County **OFFICE** Preconstruction  
CSBRG-0006-00(468)  
CR 50/Caney Bay Road at Buffalo Creek-  
Bridge Replacement **DATE** March 11, 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  
Angela Alexander  
Paul Liles  
Glenn Durrence  
Dennis Odom  
BOARD MEMBER

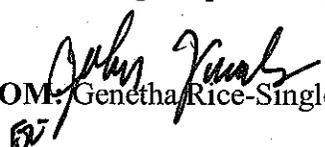
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** P.I. No. 0006468, Brantley County  
CSBRG-0006-00(468)  
CR 50/Caney Bay Road at Buffalo Creek-  
Bridge Replacement

**OFFICE:** Preconstruction

**DATE:** February 27, 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 CR 50/Caney Bay Road at Buffalo Creek, 3 miles southwest of Hickox, Georgia. The existing bridge, constructed in 1950, is a 112' x 21.4' concrete structure with a sufficiency rating of 13. County Road 50 at this location is a rural two lane roadway with 10' lanes, variable width grass shoulders and a posted speed of 35 MPH. County Road 50 is classified as a rural minor collector. The projected AADT is less than 400 for the year 2008 and the design year 2028. The proposed speed design is 45 MPH.

The project proposes to relocate CR 50/Caney Bay Road south of its existing location, extending for a total of 0.30 miles. The proposed new structure will consist of a 400' x 28' concrete bridge and will be located just south of the existing bridge structure. The relocated CR 50/Caney Bay Road will consist of two 10' lanes with 5' rural shoulders. Traffic will be maintained on the existing 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.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 1,633,000	\$1,593,000	L110	LR
Right-of-way & Utilities	Local	Local	Local	

P.I. No. 0006468, Brantley County

Page 2

February 27, 2008

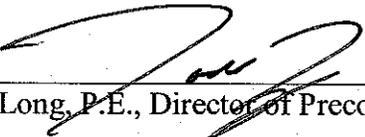
\* Brantley County signed PFA for right-of-way and utilities 10-24-06

I recommend this project concept be approved.

GRS: JDQ

Attachment

CONCUR

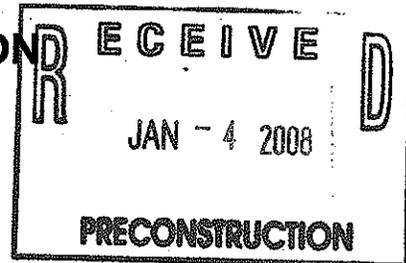
  
\_\_\_\_\_  
Todd I. Long, P.E., Director of Preconstruction

APPROVED

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



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



-----  
INTERDEPARTMENTAL CORRESPONDENCE

**FILE:** CSBRG-0006-00(468) Brantley **OFFICE:** Engineering Services  
P.I. No. 0006468  
CR 50/Caney Bay Road over Buffalo Creek **DATE:** January 3,2008

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

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

**SUBJECT:** Concept Report

We have reviewed the Concept Report received December 18, 2007 from Keith Stewart, and have the following comments. The cost estimate does not include any E&C.

The costs for this project are:

Construction	\$1,448,020
E & C	<i>144802</i>
Reimbursable Utilities	0
Right of Way	0
	<hr/>
BKS	<i>1,632,822</i>

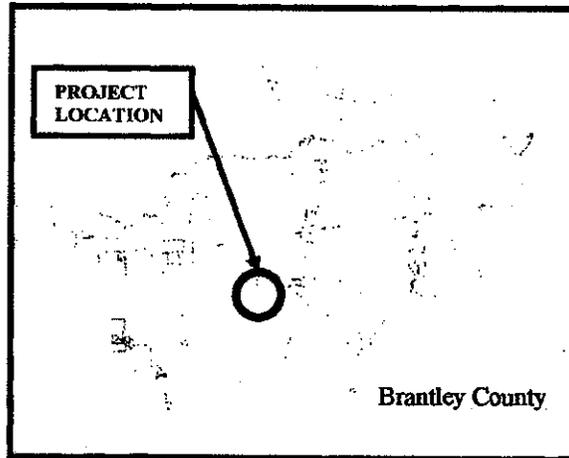
cc: Glenn Durrence, Attn: Keith Stewart

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

Project Number: CSBRG-0006-00(468)  
County: Brantley  
P. I. Number: 0006468  
County Route Number: 50

CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement

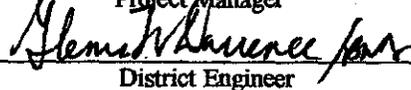


Recommendation for approval:

DATE 11-19-07

DATE 11-20-07

  
Project Manager

  
District Engineer

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

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 11/3/08

DATE \_\_\_\_\_

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

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

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

\_\_\_\_\_  
State Traffic Safety and Design Engineer

  
Project Review Engineer

\_\_\_\_\_  
State Bridge and Structural Design Engineer

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> CSBRG-0006-00(468)		<b>County:</b> Brantley		<b>PI No.:</b> 0006468	
<b>Report Date:</b> 12/18/07		<b>Concept By:</b> DOT Office: District 5			
<input checked="" type="checkbox"/> Concept Stage		<b>Consultant:</b>			
<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	90				
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. 0006468 **OFFICE:** Environment/Location  
**DATE:** January 10, 2008

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

**TO:** Genetha-Rice Singleton, *Assist. Director of Preconstruction*  
~~State Transportation Planning Administrator~~

**SUBJECT:** **PROJECT CONCEPT REPORT**  
**CSBRG-0006-00(468) / Brantley County**  
**CR 50 / Caney Bay Rd. over Buffalo Creek Bridge Replacement**

The above subject Concept Report has been reviewed and appears satisfactory subject to the following comment:

1. This bridge is listed as Not Eligible in the GHBS.

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

GB/lc

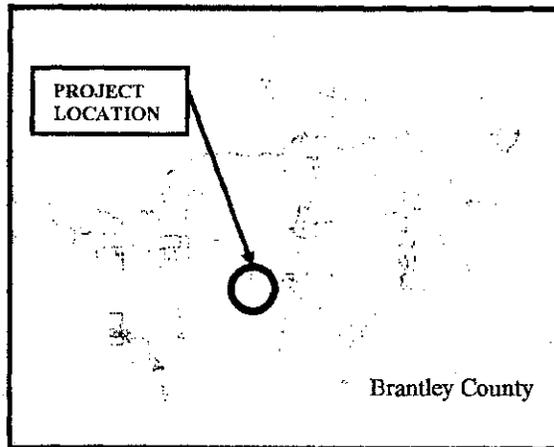
cc: Brian Summers  
Jamie Simpson  
Angela Alexander  
Keith Golden  
Paul Liles  
Glenn Durrence

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

Project Number: CSBRG-0006-00(468)  
County: Brantley  
P. I. Number: 0006468  
County Route Number: 50

CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement



Recommendation for approval:

DATE 11-19-07

DATE 11-20-07

*Dennis [Signature]*  
Project Manager  
*Glenn Lawrence [Signature]*  
District Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE 1/9/08

*[Signature]*  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

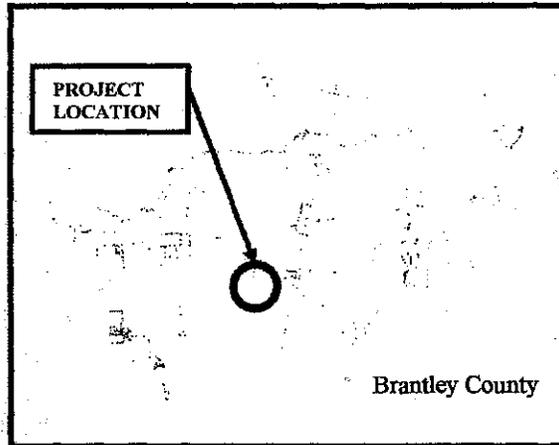
\_\_\_\_\_  
State Bridge and Structural Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

Project Number: CSBRG-0006-00(468)  
County: Brantley  
P. I. Number: 0006468  
County Route Number: 50

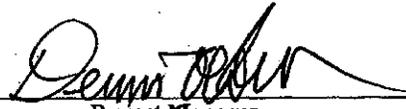
CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement

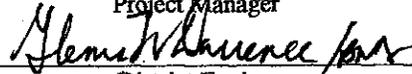


Recommendation for approval:

DATE 11-19-07

DATE 11-20-07

  
Project Manager

  
District Engineer

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

DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE 12-19-07

  
State Traffic Safety and Design Engineer

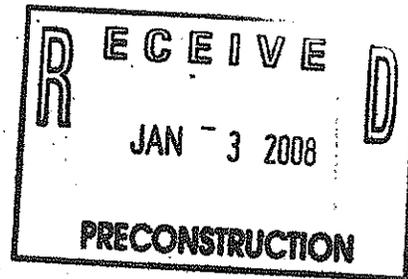
DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Bridge and Structural Design Engineer

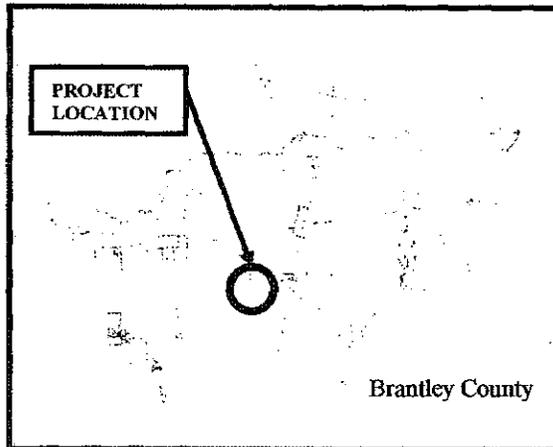
DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



PROJECT CONCEPT REPORT

Project Number: CSBRG-0006-00(468)  
County: Brantley  
P. I. Number: 0006468  
County Route Number: 50

CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement



Recommendation for approval:

DATE 11-19-07

Project Manager

DATE 11-20-07

District Engineer

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

DATE 1-3-08

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Financial Management Administrator

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

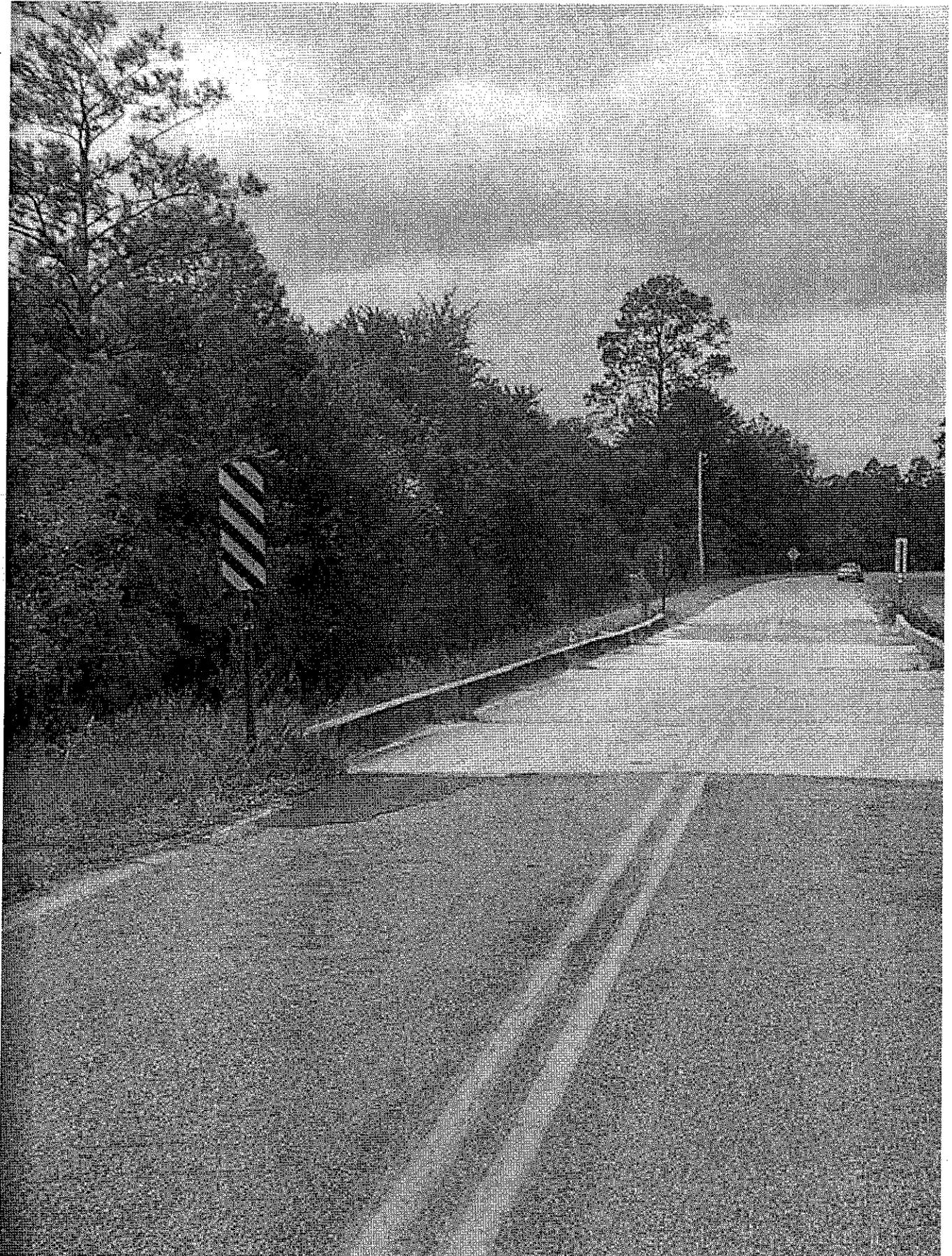
DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Bridge and Structural Design Engineer

025-5005-0



LOOKING NORTH



LOOKING SOUTH AT RIGHT SIDE

025-5005-0



REPAIR OF BENTS 4, 6, 7  
AFTER HELPERS WERE INSTALLED.  
NO LEVELING WAS DONE ONLY  
STABILIZATION ON THESE BENTS

**PRECONSTRUCTION STATUS REPORT**

PROJ ID	COUNTY	DESCRIPTION	MGMT. ROW DATE	SCHED DATE	MGMT. LET DATE
0006468	Brantley	CR 50/CANEY BAY ROAD @ BUFFALO CREEK	Oct-09	Feb-11	Oct-10

CSBRG-0006-00(468)	FIELD DIST: 5	Phase	Approved	Proposed	Cost	Fund	Status
TIP #:	TWIN:	PE	2007	2007	609,362.61	Q11	AUTHORIZED
MPO: Not Urban	US:	ROW	LOCL	LOCL	3,000.00	LOC	PRECST
MODEL YR:	EST DATE: 12/18/07	CST	LR	LR	1,593,000.00	L110	PRECST
PROJ MGR: Odom, Dennis	PROJ LENGTH: 0.30	Congressional Districts: 1					
PROG Replacement	TYPE WORK: Bridges	LET RESP: DOT					
TYPE:							
CONCEPT:							

SCHED START	SCHED FINISH	ACTIVITY	ACTUAL START	ACT/EST FINISH	PCT	DISTRICT COMMENTS
		Define Project Concept	8/31/07	9/13/07	82	TAS/1-23-06/turnkey ad #3/D5 to manage Turnkey Cnsltnt PE activities (CAH) 021306/8-2-06/waiting for contract to be executed with Qk4/8-31-06/waiting on funding authorization to issue NTP/1-24-07/Notice to Proceed issued 1-23-07/8-1-07/Initial Concept mtg 8-30-07. ADO/12-18-07Concept submitted for approval.
		Concept Meeting	8/30/07	8/30/07	100	
		Concept Submittal and Review	12/14/07	1/17/08	100	
2/1/08	2/14/08	Receive Preconstruction Concept Approval			0	
2/14/08	2/14/08	Management Concept Approval Complete			0	
2/15/08	10/17/08	Environmental Approval			0	
2/18/08	3/21/08	Field Surveys/SDE			0	
3/25/08	5/22/09	Preliminary Plans			0	
7/29/08	9/30/08	Preliminary Bridge Design			0	
2/15/08	3/21/08	Underground Storage Tanks			0	
6/23/08	9/5/08	404 Permit Obtainment			0	
6/15/09	6/16/09	FFPR Inspection			0	
6/17/09	9/8/09	R/W Plans Preparation			0	
11/4/09	11/9/09	R/W Plans Final Approval			0	
7/22/09	7/24/09	L & D Report Development and Approval			0	
11/10/09	12/30/10	R/W Acquisition			0	
3/30/10	4/12/10	Stake R/W			0	
7/22/09	8/3/09	Soil Survey			0	
7/22/09	8/27/09	Bridge Foundation Investigation			0	
7/27/09	5/31/10	Final Design			0	
8/28/09	12/17/09	Final Bridge Plans Preparation			0	
6/22/10	6/23/10	FFPR Inspection			0	
7/8/10	7/21/10	FFPR Response			0	

BIKE PROVISIONS INCLUDED?: N      MEASUREMENT      CONSULTANT: T      UT EST:

Bridge: BRIDGE REQUIRED  
 Design: Concept sent for approval.  
 EIS: SMART  
 LGPA: LGPA AGREEMENT SGN BRANTLEY DO ROW & UTILITIES 10-24-06.  
 Programming: #1 12-06  
 EMG: BRIDGE REPLACEMENT

**R/W INFORMATION:**

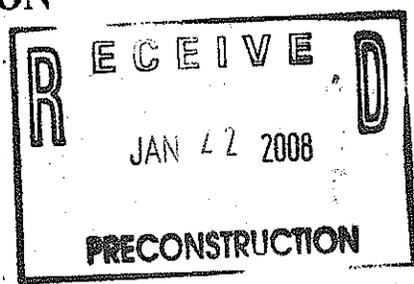
PREL PARCEL CT:      TOTAL PARCEL CT:      ACQUIRED BY: LOC      ACQ MGR: Cravey, Mack (LOC)  
 UNDER-REVIEW CT:      RELEASED      OPT-PEND CT:      DEEDS CT:      COND-PEND CT:      COND-FILED CT:  
 RW CERT DT:      ACQUIRED CT:      RELOCATION CT:

Rec'd  
12/18/07

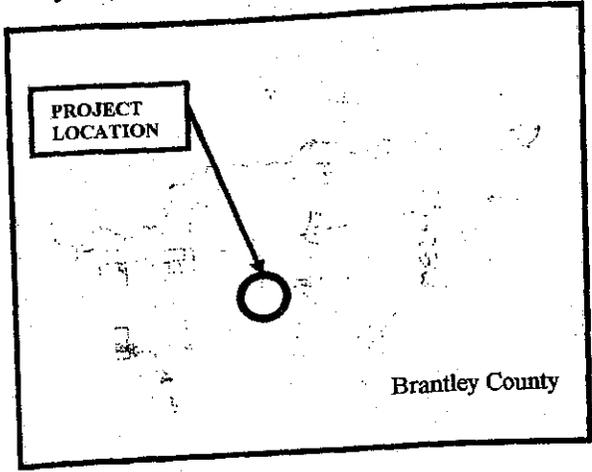
# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PROJECT CONCEPT REPORT

Project Number: CSBRG-0006-00(468)  
County: Brantley  
P. I. Number: 0006468  
County Route Number: 50



CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement



Recommendation for approval:

DATE 11-19-07

DATE 11-20-07

*Dennis [Signature]*  
Project Manager

*Glenn Lawrence [Signature]*  
District Engineer

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

DATE \_\_\_\_\_

DATE 1-11-08

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

State Transportation Planning Administrator  
*James T. Simpson [Signature]*  
Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

Project Review Engineer

State Bridge and Structural Design Engineer

*[Handwritten initials/signatures]*

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Urban Design*

**PROJECT CONCEPT REPORT**

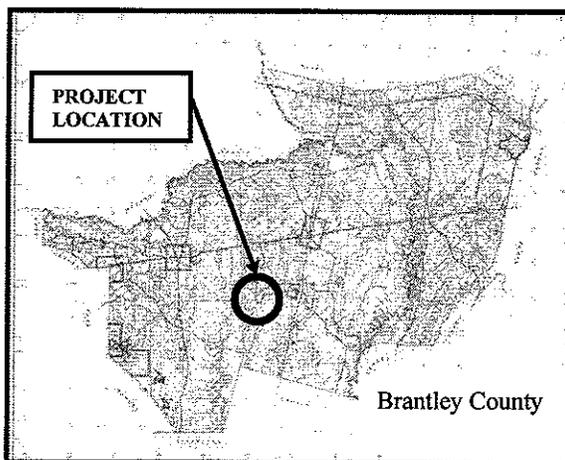
Project Number: CSBRG-0006-00(468)

County: Brantley

P. I. Number: 0006468

County Route Number: 50

CR 50/Caney Bay Rd. over Buffalo Creek Bridge Replacement



Recommendation for approval:

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Manager

DATE \_\_\_\_\_

\_\_\_\_\_  
State Urban Design Engineer

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

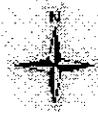
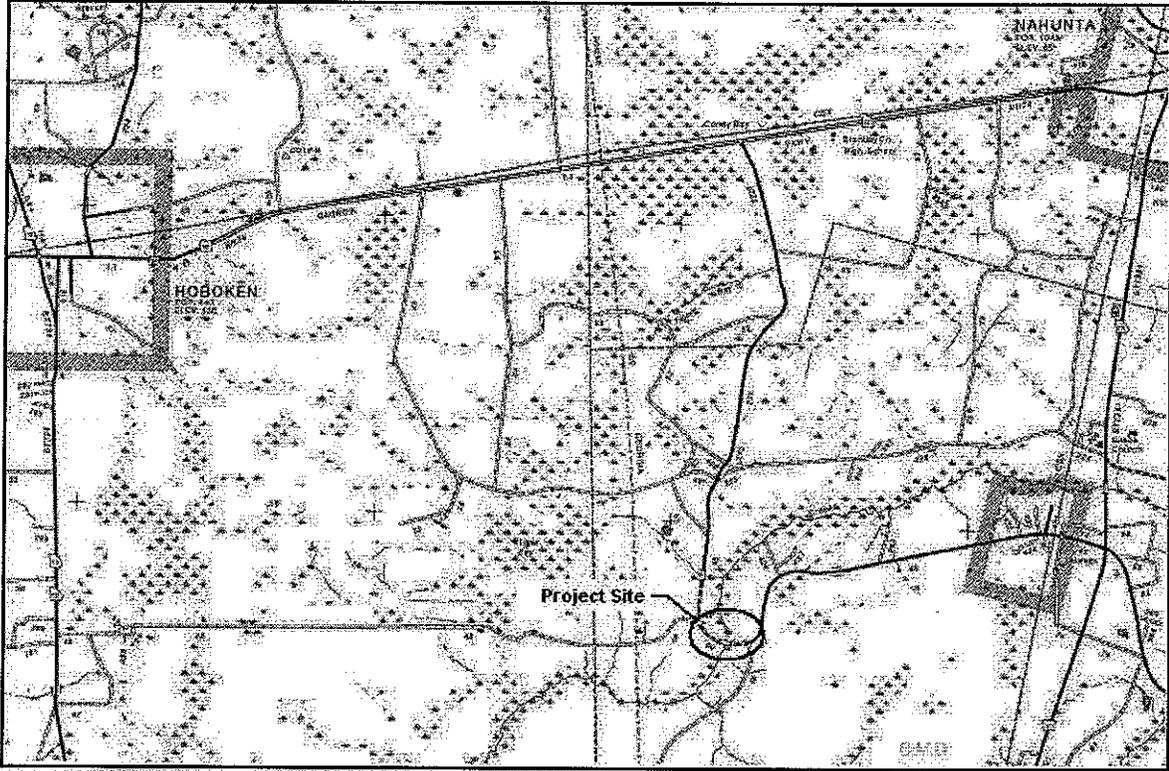
\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Design Engineer

Project Concept Report - Page 2  
Project Number: CSBRG-0006-00(468)  
P. I. Number: 0006468  
County: Brantley

### LOCATION MAP



**Need and purpose:**

This proposed project would replace the bridge on County Route (CR) 50/Caney Bay Rd. over Buffalo Creek in Brantley County approximately four miles southeast of the city limits of Hoboken. The existing bridge, built in 1950, has load restrictions for trucks, does not meet current design standards and can no longer be repaired cost-effectively. The existing bridge has a sufficiency rating of 13.10. Bridges with a rating under 50 do not meet current standards under TOPPS directive 2405-1.

Project Description

The approximate length of the project is 0.30 miles, it is located four miles southeast of the city limits of Hoboken at Buffalo Creek. The logic for establishing termini is due to replacing the bridge, and reworking the shoulders and slopes. The concept proposes to satisfy the Need and Purpose by replacing a substandard load capacity and deck geometry bridge, while at the same time placing guardrail, and upgrading shoulders.

Bridge Characteristics

The bridge sufficiency rating is currently 13.10. The Office of Bridge Maintenance has determined that any bridge with a bridge sufficiency rating below 50 should be replaced. This project will replace the existing two-lane bridge with a structurally adequate two-lane bridge.

Route Characteristics

County Route (CR) 50/Caney Bay Rd. is functionally classified as a minor rural collector. CR 50/Caney Bay Rd. has two-way traffic and is a two-lane facility. Sidewalks are not planned for the route. The posted speed limit is 35 mph.

Traffic Counts

The projected AADT is less than 400 for the year 2008 and for the design year 2028.

Conclusion

Replacing this bridge will bring it up to load standards and in doing so will improve it's safety. In addition, per DOT policy, the bridge will be replaced due to a sufficiency rating below 50. The current sufficiency rating is 13.10. Current plans for CR 50/Caney Bay Rd. include constructing a new two-lane bridge. The new bridge will replace the existing two-lane bridge, which will be torn down. This ultimate design will improve the operation and safety of the facility.

**Description of the proposed project:** This project consists of the replacement of the bridge along CR 50/Caney Bay Rd. over Buffalo Creek and roadway construction on each approach in order to tie the new bridge into the existing roadway. The proposed bridge would be two lanes wide, and, in order to meet current design standards, the proposed bridge may be realigned, raised, and lengthened compared to the existing bridge. The road on either side of the new bridge will also be adjusted as necessary to properly align with the new bridge. The proposed right-of-way varies from approximately 75 to 100 feet.

This project would construct a new structure to replace the existing bridge. This bridge will be a minimum of 28' wide to include two 12-foot through lanes with 2-foot outside shoulders along with the appropriate barriers.

Project Concept Report - Page 4  
Project Number: CSBRG-0006-00(468)  
P. I. Number: 0006468  
County: Brantley

Is this project located in a Non-attainment area? Yes \_\_\_\_\_ No X

PDP Classification: Major \_\_\_\_\_ Minor X

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

Functional Classification: Rural Minor Collector

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

**Traffic (AADT):**

Base Year: (2002) <400 Design Year: (2028) <400

**Existing Design Features:**

- Typical Section: Two-lane roadway with 10' lanes. Existing bridge has a total deck width of approximately 21.40'.
- Posted speed: 35 mph
- Maximum degree of curvature: 5°30'
- Maximum grade: 3.6% Mainline 7.1% Driveways
- Width of right of way: Varies from 80 ft
- Major structures: 112' x 21.40' bridge with a sufficiency rating of 13.10.
- Major interchanges or intersections along the project: N/A
- Existing length of roadway segment: This project is a bridge replacement, the bridge length is 112 feet.

**Proposed Design Features:**

- Proposed typical section(s): Two 10' lanes, 5' shoulders (2' paved), with 2' ditch
- Proposed Design Speed Mainline: 45 mph
- Proposed Maximum Grade Mainline: 2.0% Maximum grade allowable: 6.0 %
- Proposed Maximum grade Side Street: N/A Maximum grade allowable: N/A
- Proposed Minimum radius for curve: 2080 ft
- Proposed Maximum super-elevation rate for curve: 4.2 %

Project Concept Report - Page 5  
 Project Number: CSBRG-0006-00(468)  
 P. I. Number: 0006468  
 County: Brantley

- Right of way:
  - Width: 80 ft
  - Easements: Temporary ( X ), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( X ), Other ( ).
  - Number of parcels 4 estimated Number of displacements:
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0

- Structures:
  - Bridge: The proposed bridge will be 400' x <sup>28'</sup>31.25' *Handwritten: 28' 31.25' 2/14/08*
  - Retaining walls: None anticipated at this time

- Major intersections and interchanges: None
- Traffic control during construction: Traffic will be maintained during construction.

Design exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT	( )	( )	( X )
ROADWAY LENGTH	( )	( )	( 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: not expected
- Environmental concerns: Possible Section 404 permit. No hazardous waste sites, history, or archaeological sites were noted at the project site.
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ( X ), No ( ),
  - Categorical exclusion ( X )
  - Environmental Assessment/Finding of No Significant Impact ( FONSI ) ( )
  - Environmental Impact Statement ( EIS ) ( )
- Utility Improvements: none expected

Project Concept Report - Page 6  
Project Number: CSBRG-0006-00(468)  
P. I. Number: 0006468  
County: Brantley

**Project Responsibilities**

- Design – GDOT/Qk4
- Right of Way Acquisition – Brantley County
- Relocation of Utilities - Brantley County
- Letting of Contract - GDOT
- Supervision of construction - GDOT
- Providing material pits - Contractor
- Providing detours (as necessary) – Brantley County

**Coordination**

- A concept meeting was held on August 30, 2007. Minutes are attached
- No P. A. R. meetings were held
- No public involvement
- Other projects in the area: N/A
- No other coordination to date.

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 6 Months.
- Time to complete the Section 404 Permit: 9 Months
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: None

**Other alternates considered:**

1. No Build Alternate. This option does not improve the current speed design or safety of bridge facility.
2. Offsite Detour with only Bridge Replacement. A detour would be excessively long or require the use of dirt roads.

**Attachments:**

1. Cost Estimates
2. Typical sections
3. Bridge Inventory
4. Minutes of Kick Off meeting
5. Local Government Project Agreement
6. Location and Design Notice
7. Minutes of Concept Team Meeting

### Estimate Report for file "CSBRG-0006-00(468)"

Section Roadway Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	20000.00	TRAFFIC CONTROL -	20000.00
210-0100	1	LS	180000.00	GRADING COMPLETE -	180000.00
310-1101	290	TN	17.46	GR AGGR BASE CRS, INCL MATL	5063.40
402-3110	50	TN	61.39	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	3069.50
402-3112	70	TN	69.50	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	4865.00
402-3121	170	TN	65.32	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	11104.40
413-1000	100	GL	1.98	BITUM TACK COAT	198.00
433-1100	200	SY	165.92	REINF CONC APPROACH SLAB, INCL CURB	33184.00
456-2015	1	GLM	770.26	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	770.26
634-1200	15	EA	108.46	RIGHT OF WAY MARKERS	1626.90
641-1100	400	LF	54.27	GUARDRAIL, TP T	21708.00
641-1200	2400	LF	18.34	GUARDRAIL, TP W	44016.00
641-5001	2	EA	638.12	GUARDRAIL ANCHORAGE, TP 1	1276.24
641-5012	2	EA	1819.11	GUARDRAIL ANCHORAGE, TP 12	3638.22
<b>Section Sub Total:</b>					<b>\$330,519.92</b>

Section Signing & Marking					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	60	SF	14.79	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	887.40
636-2070	200	LF	8.63	GALV STEEL POSTS, TP 7	1726.00
653-1501	3400	LF	0.59	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	2006.00
653-1502	3400	LF	0.59	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	2006.00
654-1001	55	EA	3.63	RAISED PVMT MARKERS TP 1	199.65
<b>Section Sub Total:</b>					<b>\$6,825.05</b>

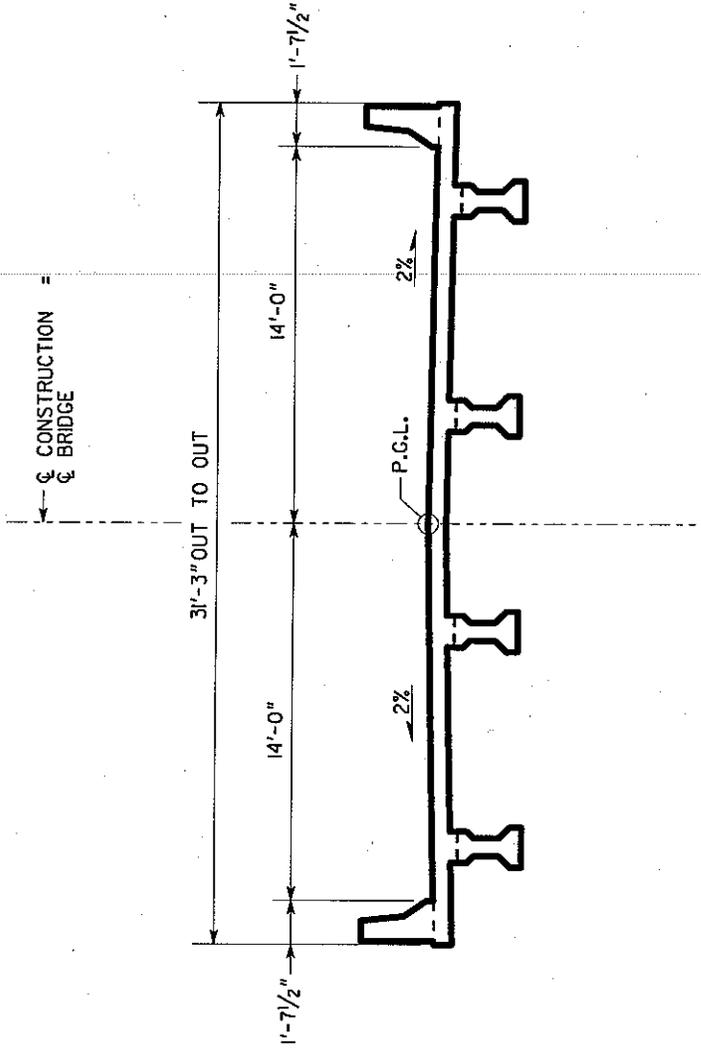
Section Temporary Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	1	AC	574.21	TEMPORARY GRASSING	574.21
165-0030	1500	LF	1.58	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2370.00
167-1000	2	EA	1180.58	WATER QUALITY MONITORING AND SAMPLING	2361.16
167-1500	9	MO	984.20	WATER QUALITY INSPECTIONS	8857.80
171-0030	3000	LF	4.03	TEMPORARY SILT FENCE, TYPE C	12090.00
<b>Section Sub Total:</b>					<b>\$26,253.17</b>

Section Permanent Erosion Control					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0240	25	TN	177.56	MULCH	4439.00
603-2181	200	SY	48.43	STN DUMPED RIP RAP, TP 3, 18 IN	9686.00
603-7000	200	SY	5.04	PLASTIC FILTER FABRIC	1008.00
700-6910	2	AC	917.26	PERMANENT GRASSING	1834.52
700-7000	4	TN	59.55	AGRICULTURAL LIME	238.20
700-7010	6	GL	19.21	LIQUID LIME	115.26
700-8000	2	TN	350.05	FERTILIZER MIXED GRADE	700.10
700-8100	120	LB	2.08	FERTILIZER NITROGEN CONTENT	249.60
<b>Section Sub Total:</b>					<b>\$18,270.68</b>

Section CSBRG-0006-00(468) Buffalo Creek Bridge					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	1	LS	60000.00	REMOVAL OF EXISTING BR, STA NO - 23+60	60000.00
543-1100	1	Lump Sum	1000000.00	CONSTRUCTION OF BRIDGE - COMPLETE - BR #1	1000000.00
<b>Section Sub Total:</b>					<b>\$1,060,000.00</b>

**Total Estimated Cost: \$1,441,868.82**





BRIDGE TYPICAL SECTION

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE OF CONSULTANT DESIGN  
 CR 50 AT BUFFALO CREEK  
 BRIDGE CROSS-SECTION  
 CSBRG-0006-00(468) 06/20/07

NOT TO SCALE

Bridge Inventory Data Listing  
Georgia Department of Transportation.

Structure ID: 025-5005-0

Brantley

SUFF. RATING: 13.10

Location & Geography

\* Structure ID: 025-5005-0  
 \* 200 Bridge Information: 06  
 \* 6A Feature Int: BUFFALO CREEK  
 \* 6B Critical Bridges: 0  
 \* 7A Route Number Carried: CR00050  
 \* 7B Facility Carried: CR 50  
 \* 9 Location: 3 MI SW OF HICKOX  
 \* 2 DOT District: 5  
 \* 207 Year Photo: 2006  
 \* 91 Inspection Frequency: 24 Date: 9/12/2006  
 \* 92A Fract Crnt Insp Freq: 00 Date: 2/1/1901  
 \* 92B Underwater Insp Freq: 00 Date: 2/1/1901  
 \* 92C Other Spc. Insp Freq: 00 Date: 2/1/1901  
 \* 4 Place Code: 00000  
 \* 5 Inventory Route (O/U): 1  
 Type: 4  
 Designation: 1  
 Number: 00050  
 Direction: 0  
 \* 16 Latitude: 31 - 08.2 HMMS Prefix:  
 \* 17 Longitude: 82 - 02.5 HMMS Suffix: MP-0.00  
 \* 98 Border Bridge: 000 % Shared: 00  
 \* 99 ID Number: 0000000000000000  
 \* 100 STRAHNET: 0  
 \* 12 Base Highway Network: 1  
 \* 13A LRS Inventory Route: 252022500  
 \* 13B Sub Inventory Route: 0  
 \* 101 Parallel Structure: N  
 \* 102 Direction of Traffic: 2  
 \* 264 Road Inventory Mile Post: 000.20  
 \* 208 Inspection Area: 05 Initials: EEP  
 Engineer's Initial: sgm

\* 104 Highway System: 0  
 \* 26 Functional Classification: 08  
 \* 204 Federal Route Type: 0 No. 000000  
 \* 105 Federal Lands Highway: 0  
 \* 110 Truck Route: 0  
 \* 206 School Bus Route: 1  
 \* 217 Benchmark Elevation: 00000.00  
 \* 218 Datum: 0  
 \* 19 Bypass Length: 08  
 \* 20 Toll: 3  
 \* 21 Maintenance: 02  
 \* 22 Owner: 02  
 \* 31 Design Load: 1  
 \* 37 Historical Significance: 5  
 \* 205 Congressional District: 01  
 \* 27 Year Constructed: 1950  
 \* 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: 1  
 \* 42 Type of Service on: 1  
 Type of Service under: 5  
 \* 214 Movable Bridge: 0  
 \* 203 Type Bridge: I K M O  
 \* 259 Pile Encasement: 3  
 \* 43 Structure Type Main: 3 02  
 \* 45 No. Spans Main: 007  
 \* 44 Structure Type Appr: 0 00  
 \* 46 No. Spans Appr: 0000  
 \* 226 Bridge Curve Horz: 0 Vert: 0  
 \* 111 Pier Protection: 0  
 \* 107 Deck Structure Type: 2  
 \* 108 Wearing Surface Type: 1  
 Membrane Type: 8  
 Deck Protection: 8

Signs & Attachments  
 \* 225 Expansion Joint Type: 02  
 \* 242 Deck Drains: 1  
 \* 243 Parapet Location: 3.00  
 Height: 1.00  
 Width: 0.50  
 \* 238 Curb Height: 0.0  
 Curb Material: 0  
 \* 239 Handrail: 0 0  
 \* 240 Median Barrier Rail: 0  
 \* 241 Bridge Median Height: 0.0  
 \* Bridge Median Width: 0.0  
 \* 230 Guardrail Loc. Dir. Rear: 0  
 Fwrd: 0  
 Oppo. Dir. Rear: 0  
 Oppo. Fwrd: 0  
 \* 244 Approach Slab: 0  
 \* 224 Retaining Wall: 1  
 \* 233 Posted Speed Limit: 35  
 \* 236 Warning Sign: 0  
 \* 234 Delineator: 1  
 \* 235 Hazard Boards: 0  
 \* 237 Utilities - Gas: 00  
 Water: 00  
 Electric: 00  
 Telephone: 00  
 Sewer: 00  
 \* 247 Lighting - Street: 0  
 Navigation: 0  
 Aerial: 0  
 \* 248 County Continuity No.: 00

\* Location I.D. No.: 025-00050X-000.23N

Structure ID: 025-5005-0

**Programming Data**

201 Project No.: UNKNOWN  
 202 Plans Available: 0  
 249 Prop. Proj. No. BRZLB-025 (3)  
 250 Approval Status: 0 0 0 0  
 251 P.I. No.: 570730-  
 252 Contract Date: 2/1/1901  
 260 Seismic No.: 00000  
 75 Type Work: 31 1  
 94 Bridge Imp. Cost: \$116  
 95 Roadway Imp. Cost: \$47  
 96 Total Imp Cost: \$195  
 76 Imp. Length: 000323  
 97 Imp. Year: 1990  
 114 Future ADT: 001395 Year: 2025

**Hydraulic Data**

215 Waterway Data  
 Highwater Elev.: 0000.0 Year: 1900  
 Flood Elevation: 0000.0 Freq.: 00  
 Avg. Streambed Elev.: 0000.0  
 Drainage Area: 00000  
 Area of Opening: 000000  
 113 Scour Critical: U  
 216 Water Depth: 3.7 Br. Height: 9.6  
 222 Slope Protection: 0  
 221 Spur Dikes Rear: 0 Fwd: 0  
 219 Fender System: 0  
 220 Dolphin: 0  
 223 Culvert Cover: 0  
 Type: 0  
 No. Barrels: 0  
 \* Width: 0.00 Height: 0.00  
 \* Length: 0 Apron: 0  
 265 U/W Insp. Area: 0 Diver: ZZZ

Location I.D. No.: 025-00050X-000.23N

**Measurements**

\* 29 ADT: 000930 Year: 2005  
 109 % Trucks: 0  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0016  
 \* 49 Structure Length: 112  
 51 Br. Rwdy. Width: 20.00  
 52 Deck Width: 21.40  
 \* 47 Tot. Horiz. Cl: 20.00  
 50 Curb / Sidewalk Width: 0.00 / 0.00  
 32 Approach Rdwy. Width: 020  
 \* 229 Shoulder Width:  
 Rear Lt: 1.3 Type: 2 Rt: 1.1  
 Fwd Lt: 1.5 Type: 2 Rt: 1.3  
 Pavement Width:  
 Rear:  
 Intersection Rear:  
 36 Safety Features Br. Rail:  
 Transition:  
 App. G. Rail: 0  
 App. Rail End: 0  
 53 Minimum Cl. Over:  
 Under:  
 \* 228 Minimum Vertical Cl  
 Act. Odsm Dir: 99' 99"  
 Oppo. Dir: 99' 99"  
 Posted Odsm. Dir: 00' 00"  
 Oppo. Dir: 00' 00"  
 55 Lateral Undercl. Rt: N 99.9  
 56 Lateral Undercl. Lt: 0.0  
 \* 10 Max Min Vert Cl: 99' 99" Dir: 0  
 39 Nav Vert Cl: 000 Horiz: 0000  
 116 Nav Vert Cl Closed:  
 245 Deck Thickness Main: 6.00  
 Deck Thick. Approach: 0.00  
 246 Overlay Thickness: 0.00  
 212 Year Last Painted: Sup: 1950 Sub: 0000

**Ratings**

65 Inventory Rating Method: 1  
 63 Operating Rating Method: 1  
 66 Inventory Type: 2 Rating: 04  
 64 Operating Type: 2 Rating: 05  
 231 Calculated Loads  
 H-Modified: 14 1  
 HS-Modified: 20 0  
 Type 3: 14 1  
 Type 3s2: 24 0  
 Timber: 19 1  
 Piggyback: 00 0  
 261 H Inventory Rating: 11  
 262 H Operating Rating: 20  
 67 Structural Evaluation: 2  
 58 Deck Condition: 5  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 3  
 60B Scour Condition: 8  
 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  
**Posting Data**  
 70 Bridge Posting Required: 2  
 41 Struct Open, Posted, CL: P  
 \* 103 Temporary Structure: T  
 232 Posted Loads  
 H-Modified: 14  
 HS-Modified: 00  
 Type 3: 14  
 Type 3s2: 00  
 Timber: 19  
 Piggyback: 00  
 253 Notification Date: 2/1/1901  
 258 Fed Notify Date: 2/1/1901

## MEETING MINUTES

**Project:** CSBRG-0006-00(468) Brantley County  
**Purpose:** Kick-off meeting  
**Place:** District 5 office  
**Meeting Date:** 02/13/07  
**Prepared By:** Jamie Altman  
**In Attendance:** Dennis Odom, GDOT District Design Engineer  
Keith Stewart, GDOT District Design Squad Leader  
Rebecca Thigpen, GDOT Design Engineer II  
Gary Johnson, GDOT CADD III Designer  
Andy Ballerstedt, Qk4 Project Manager  
Jamie Altman, Qk4 Project Engineer

### Brantley County

Jamie and Andy also visited this site that morning to examine alternatives in the field. Rebecca Thigpen, Gary Johnson, and Maggie Yoder from the GDOT district office also visited the site that morning. From field observations, all were in agreement that the bridge should be rebuilt to the south of the existing bridge. The roadway will remain open during construction.

The current sufficiency rating for the bridge is 14.54.

GDOT recommends that the roadway be designed at 55mph if possible. 45mph is the current posted speed.

This project has an October 2007, right-of-way date.

### General notes

GDOT recommends that no superelevation transition occur on the bridge deck itself. Rebecca provided Qk4 with copies of department files on the projects.

Keith



## 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

October 30, 2006

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

EARL L. MAHFUZ  
TREASURER  
(404) 656-5224

The Honorable Terry Thomas, Commission Chairman  
Brantley County  
P.O. Box 398  
Nahunta, Georgia 31553

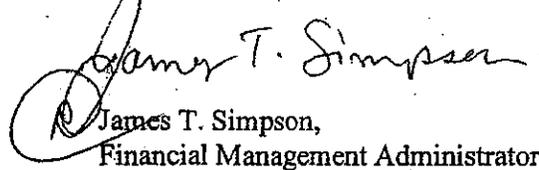
Dear Chairman Thomas:

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

**PROJECT#:CSBRG-0006-00(468) Brantley County, P.I.#0006468**

We look forward to working with you on the successful completion of the joint project.  
Should you have any questions, please contact the Project Manager Dennis Odom at (912)427-5716.

Sincerely,

  
James T. Simpson,  
Financial Management Administrator

JTS:as

Enclosure

c: Bob Rogers  
Glenn Durrence - District 5  
Jeff Baker - Utilities

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

This AGREEMENT is made and entered into this 9<sup>th</sup> day of October, 2006, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and BRANTLEY COUNTY acting by and through it's Mayor/Chairman and Board of Commissioners, hereinafter called the "SPONSOR".

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

WHEREAS, the SPONSOR has represented to the DEPARTMENT a desire to participate in certain activities of the PROJECT as set forth in this AGREEMENT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the department has expressed a willingness to participate in certain activities of the PROJECT as set forth in this AGREEMENT.