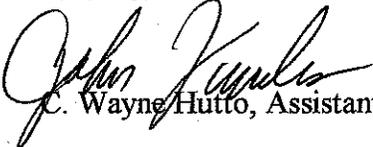


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1220(8) Berrien County **OFFICE** Preconstruction
P. I. No. 442925
DATE July 15, 2002

FROM  C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

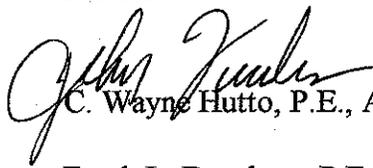
- David Mulling
- Harvey Keeper
- Jerry Hobbs
- Herman Griffin
- Michael Henry
- Phillip Allen
- Marta Rosen
- Paul Liles
- Ben Buchan
- David Crim
- BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1220(8) Berrien County **OFFICE** Preconstruction
P.I. No. 442925

DATE July 1, 2002

FROM  C. Wayne Hutto, P.E., Assistant Director of Preconstruction

TO Frank L. Danchetz, P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 168 over Ten Mile Creek, 4.0 miles southeast of Nashville, Georgia. The existing bridge, constructed in 1955, is load limited with a sufficiency rating of 14. State Route 168 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 168 is functionally classified as a rural major collector. Traffic is projected to be 1,800 VPD and 2,650 VPD in the years 2006 and 2026 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 200' x 40' concrete bridge over Ten Mile 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 on-site detour.

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

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,145,000	\$1,100,000	2004	03-07
Right-of-Way	\$ 20,000	\$ 10,000		
Utilities*	LGPA	LGPA		

*Berrien County signed LGPA for utilities on 4-12-99.

Frank L. Danchetz

Page 2

BRST-1220(8) Berrien

July 1, 2002

This project is in the STIP. I recommend this project concept be approved.

CWE:JDQ/cj

Attachment

CONCUR



Thomas L. Turner, P.E., Director of Preconstruction

APPROVE



Frank L. Danchetz, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-1220(8) Berrien
P.I. Number 442925

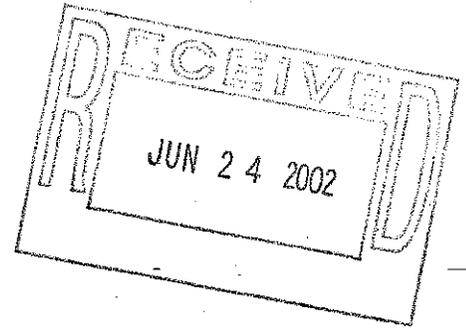
OFFICE: Engineering Services

DATE: June 21, 2002

FROM: David Mulling, Project Review Engineer *REW*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted June 12, 2002 by the letter from Ben Buchan dated June 11, 2002, and have no additional comments.

The costs for the project are:

Construction	\$944,200
Inflation	\$96,800
E&C	\$104,100
Reimbursable Utilities	\$10,000
Right of Way	\$20,000

DTM/REW

c: Ben Buchan, Attn: Ted Cashin

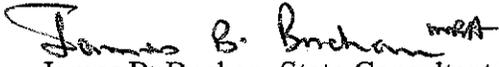
SCORING RESULTS AS PER MOG 2440-2

Project Number: BRST-1220(8)		County: Berrien		PI No.: 442925	
Report Date: June 11, 2002		Concept By: DOT Office: Office of Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: PBS&J			
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**

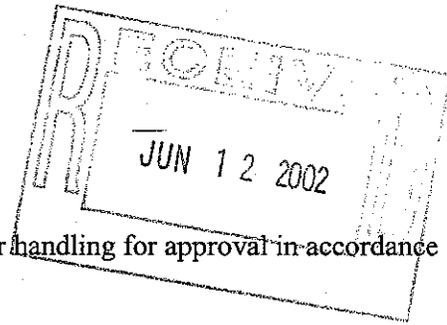
INTERDEPARTMENT CORRESPONDENCE

FILE **BRST-1220(8) Berrien County** **OFFICE** Atlanta
SR 168 over Ten Mile Creek 4.2 mi W of Jct SR 11
P.I. No. 442925-

FROM 
James B. Buchan, State Consultant Design Engineer **DATE** June 11, 2002

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **PROJECT CONCEPT REPORT**



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

Those on the distribution list below should review the Concept Report and send comments and/or the signature page to the Preconstruction Office within 10 days as per the PDP.

If you have any questions or require further information please call Ted Cashin at (404)463-6135 or Dan McDuff of PBS&J, Inc. at (770) 933-0280.

Distribution:

- David Mulling, Project Review Engineer
- Harvey Keepler, State Environmental/Location Engineer
- Phillip Allen, State Traffic Safety and Design Engineer
- Marta Rosen, State Transportation Planning Administrator
- Herman Griffin, Office of Financial Management Administrator
- David Crim, District Engineer -- Tifton
- Paul Liles, State Bridge & Structural Engineer


JBB:MBA:EJC

cc: PBS&J, Inc.

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 4 – Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

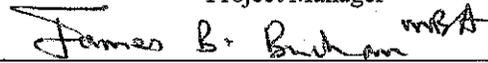
Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02



Project Manager



State Consultant Design Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Planning Administrator

DATE: _____

State Traffic Safety & Design Engineer

DATE: _____

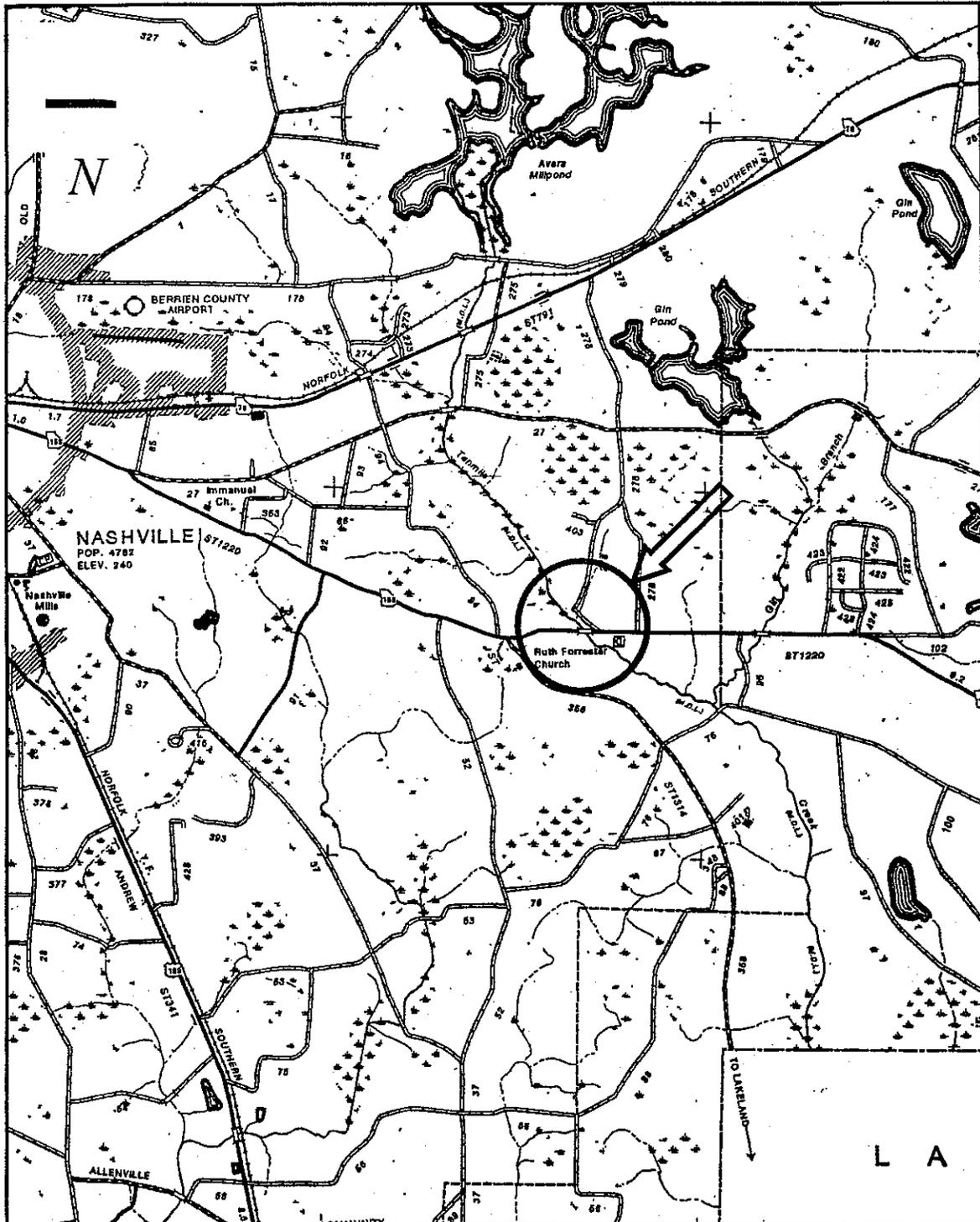
District Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge & Structural Design Engineer



Scale: 1 inch = 1 mile

Location Map

Project: BRST-1220(8) Berrien County PI No.: 442925-
Description: SR 168 over Ten Mile Creek 4.2 mi E of Jct SR 11

23 May, 2002

Project Concept Report Page: 3
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

Need and Purpose:

This project will replace the bridge on SR 168 over Ten Mile Creek built in 1955. The bridge has a structural condition appraisal of 2 and a sufficiency rating of 14.3. Section 2405-1 of the Manual of Guidance requires that any structure with a sufficiency rating less than 50 and a structural condition code 2 or less should be replaced rather than improved.

This state route is classified as a rural major collector and is a designated school bus route. SR 168 is not part of the Statewide Bicycle and Pedestrian Plan or any locally adopted plan. The Average Daily Traffic (ADT) along this two-lane road was 1550 in 1999, which represents a Level of Service "A". The ADT is expected to reach 1800 by 2006 and 2650 by 2026, which also represents a Level of Service "A". Current truck traffic accounts for 10% of the ADT.

Land use along this road is mainly agricultural, with some dispersed residences. According to 1990 Census data, 19.5% of the population of Berrien County live below the poverty level. The county also has a 14.5% minority population. This project will replace the existing bridge with a new bridge conforming to present design standards. GDOT has no other projects programmed in the area that directly impact this project.

Description of the project:

This project will replace the structurally deficient bridge on SR 168 over Ten Mile Creek with a new reinforced concrete bridge. This project is located in Berrien County, 4.2 miles east of junction SR 11 in the 10th Land District, Land Lot Nos. 221, 222, 239 and 240, and Ga. Militia Districts 1148 and 1157. The proposed project will be approximately 0.32 miles in length.

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

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Major Collector

U. S. Route Number(s): S-01220

State Route Number(s): 168

Traffic (AADT):

Current Year: (2006) 1800

Design Year: (2026) 2650

Project Concept Report Page: 4
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

Existing Design Features:

- Typical Section: Two lane rural section with 12-foot travel lanes, shoulders and side ditches.
- Posted Speed 55 mph Maximum degree curvature 2°
- Maximum Grade: 0.8 %
- Width of right of way: 100 ft.
- Major structures: 150' x 26' Bridge at Ten Mile Creek
- Major interchanges or intersections along the project: None
- Existing length of roadway segment and the beginning mile logs for each county segment. Project begins at ML 4.32 and extends east approximatly 0.32 miles to ML 4.64.

Proposed Design Features:

- Proposed typical section(s): Two 12-foot travel lanes with 10-foot shoulders (2 feet paved) and rural side ditch sections.
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 0.8 % Maximum grade allowable 3.5 %
- Proposed Maximum grade Side Street 2 % Maximum grade allowable 6 %
- Proposed Maximum grade driveway 10 %
- Proposed Maximum degree of curve 2°00' Maximum degree allowable 6°00'
- Right off way
 - ⇒ Width 100-200 ft.
 - ⇒ Easements: Temporary , Permanent , Utility , Others
 - ⇒ Type of access control: Full , Partial , By Permit , Others
 - ⇒ Number of parcels 6 Number of displacements:
 - ⇒ Business: 0
 - ⇒ Residents: 0
 - ⇒ Mobile homes: 0
 - ⇒ Others: 0
- Structures:
 - ⇒ Bridges: 200' x 40' Concrete Bridge
 - ⇒ Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: Temporary detour bridge and runaround parallel to existing alignment. Detour to be 35 mph design with 12-foot travel lanes and 6-foot graded shoulders.

Project Concept Report Page: 5
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

• Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SITE DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: None
- Environmental concerns: None
- Level of environmental analysis:
 - ⇒ Are Time Saving Procedures appropriate? Yes , No
 - ⇒ Categorical Exclusion:
 - ⇒ Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - ⇒ Environmental Impact Statement (EIS) .
- Utility involvement:

Project responsibilities:

- ⇒ Design, GDOT
- ⇒ Right of Way Acquisition, Berrien Co.
- ⇒ Relocation of Utilities, Berrien Co.
- ⇒ Letting to contract, GDOT
- ⇒ Supervision of construction, GDOT
- ⇒ Providing material pits, n/a
- ⇒ Providing on-site detour, GDOT

Coordination:

- Concept Meeting Date April 30, 2002
- P. A. R. Meeting Date None
- Public involvement: None
- Local government commitments: LGPA (utilities) signed by Berrien County on April 12, 1999.
- Other projects in area: BRST-1220(7), P.I. No. 442920, SR 64/168 over Alapaha River and Overflow; BRST-1220(8), P.I. No. 442925, SR 168 over Ten Mile Creek; BRST-1220(9), P.I. No. 442930, SR 168 over Five Mile Creek.

23 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 6
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

- Other coordination to date: None
- Railroads: None

Scheduling – Responsible Parties' Estimate

- Time to complete environmental process: 12 Months.
- Time to complete preliminary construction plans: 3 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete to purchase right of way: 9 Months.
- List other major items that will affect the project schedule: None.

Selected Alternate:

Replace the existing bridge over Ten Mile Creek with an approximate 200 ft. long X 40 ft. wide bridge. This bridge will be constructed on the existing bridge alignment, with an on-site detour constructed 60 ft. to the north (upstream) of the existing bridge.

Other alternates considered:

- 1) Replace existing bridge with an approximate 200 ft. X 40 ft. bridge at existing location with on-site detour to the north of existing alignment.
- 2) Replace existing bridge with an approximate 200' X 40' bridge on a parallel alignment to the north of the existing structures – eliminated due to length of realignment required to meet design speed and unfavorable geometry.
- 3) Replace existing bridge on existing alignment with off-site detour - no feasible detour exists.
- 4) Replace existing bridge on existing alignment with stage construction – eliminated due to required grade change.
- 5) No Build.

Comments: None

Attachments:

1. Cost Estimates:
 - a) Construction including E&C,
 - b) Right of Way, and
 - c) Utilities.
2. Sketch location map
3. Typical Sections
4. Bridge inventory
5. Minutes of Concept Team Meeting
6. LGPA
7. Notice of Location and Design Approval
8. Traffic Data

23 May, 2002

State of Georgia
Department of Transportation

Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BRST-1220(8)

COUNTY: Berrien

DATE: March 28, 2002

ESTIMATED LETTING DATE: 2004

PREPARED BY: PBS&J

PROJECT LENGTH: 0.32 miles

PROGRAMMING
PROCESS

CONCEPT
DEVELOPMENT

DURING PROJECT
DEVELOPMENT

PROJECT COST	
A. RIGHT-OF-WAY: (LGPA)	
1. PROPERTY (LAND & EASEMENT)	\$10,000
2. DISPLACEMENTS; RES:0, BUS:0, M.H.:0	\$0
3. OTHER COST (ADM./COST, INFLATION)	\$10,000
SUBTOTAL A:	\$20,000
B. REIMBURSABLE UTILITIES: (LGPA)	
1. RAILROAD	\$0
2. TRANSMISSION LINES	\$0
3. SERVICES	\$10,000
SUBTOTAL B:	\$10,000
CONSTRUCTION	
C. MAJOR STRUCTURES:	
1. RETAINING WALLS	\$0
2. BRIDGES (200' x 40')	\$360,000
3. EXTEND EXISTING CULVERTS	\$0
SUBTOTAL C:	\$360,000

23 May, 2002

State of Georgia
Department of Transportation

Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

D. GRADING AND DRAINAGE		
1. EARTHWORK		
a. BORROW: (9,000 cu.yd. @ \$6.00)		\$54,000
b. EXCAVATION: (2,000 cu.yd. @ \$4.00)		\$8,000
	SUBTOTAL D-1:	\$62,000
2. DRAINAGE		
a. STORM DRAIN PIPE (80 ft of 15 in @ \$20)		\$1,600
b. SPILLWAY TYPE 1: (4 each @ \$1150)		\$4,600
	SUBTOTAL D-2:	\$6,200
	SUBTOTAL D:	\$68,200
E. BASE AND PAVING		
1. AGGREGATE BASE (1675 sq. yd. of 8" @ \$8)		\$13,400
2. SURFACE AGGREGATE (100 tons @ \$15)		\$1,500
3. ASPHALT PAVING		
a. Surface (392 tons @ \$35)		\$13,700
b. Binder (185 tons @ \$40)		\$7,400
c. Base (370 tons @ \$42)		\$15,500
d. Leveling (405 tons @ \$36)		\$14,600
e. Tack Coat (500 gals @ \$1)		\$500
	SUBTOTAL E-3:	\$51,700
4. CONCRETE PAVING - Approach Slabs (290 sq yd @ \$90)		\$26,100
	SUBTOTAL E:	\$92,700
F. LUMP ITEMS		
1. TRAFFIC CONTROL		\$25,000
2. CLEARING AND GRUBBING		\$25,000
3. GRASSING		\$10,000
4. EROSION CONTROL		\$10,000
5. TEMP. EROSION CONTROL		\$25,000
6. REMOVE EXISTING BRIDGE		\$164,000
	SUBTOTAL F:	\$259,000

State of Georgia
Department of Transportation

Project Number: BRST-1220(8)

P. I. Number: 442925

County: Berrien

G. MISCELLANEOUS	
1. SIGNING	
a. SIGNS	\$1,000
b. POSTS	\$500
SUBTOTAL G-1:	\$1,500
2. STRIPING	
a. 5 IN WHITE SOLID (5000 FT @ \$0.10)	\$500
b. 5 IN YELLOW SOLID (2500 FT @ \$0.10)	\$500
SUBTOTAL G-2:	\$1,000
3. GUARDRAIL	
a. TYPE W (1000 FT @ \$12)	\$12,000
b. TYPE T (84 FT @ \$35)	\$3,000
c. TYPE 12 ANCHORS (2 @ \$1600)	\$3,200
d. TYPE 1 ANCHORS (2 @ \$450)	\$900
SUBTOTAL G-3:	\$19,100
SUBTOTAL G:	\$21,600
H. DETOUR	
1. DETOUR BRIDGE (120'X 24')	
	\$43,200
2. EARTHWORK	
a. BORROW (7100 CY @ \$6)	\$42,600
b. EXCAVATION (1000 CY @ \$4)	\$4,000
3. BASE AND PAVING	
a. AGGREGATE BASE (3441 SY of 8" @ \$8)	\$27,500
b. ASPHALT PAVING	
1. SURFACE (285 TONS @ \$35)	\$10,000
2. BINDER (380 TONS @ \$40)	\$15,200
c. TACK COAT (200 GAL @ \$1)	\$200
SUB-TOTAL H:	\$142,700

23 May, 2002

State of Georgia
Department of Transportation

Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	\$20,000
B. REIMBURSABLE UTILITIES	\$10,000
CONSTRUCTION	
C. MAJOR STRUCTURES	\$360,000
D. GRADING AND DRAINAGE	\$68,200
E. BASE AND PAVING	\$92,700
F. LUMP ITEMS	\$259,000
G. MISCELLANEOUS	\$21,600
H. DETOUR	\$142,700
SUBTOTAL CONSTRUCTION COST	\$944,200
INFLATION (5% PER YEAR)	\$96,800
NUMBER OF YEARS	2
E. & C. (10%)	\$104,100
TOTAL CONSTRUCTION COST	\$1,145,100
GRAND TOTAL PROJECT COST	\$1,175,100

23 May, 2002

State of Georgia
Department of Transportation

Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

NOTICE OF LOCATION AND DESIGN APPROVAL

**Project No. BRST-1220(8), Berrien County
P.I. No. 442925**

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 approval is _____.

The project consists of improvements of S.R. 168 over Ten Mile Creek, located in Berrien County, 10th District, Land Lots 221, 222, 239, and 240.

The improvement project includes replacing the existing bridge over Ten Mile Creek.

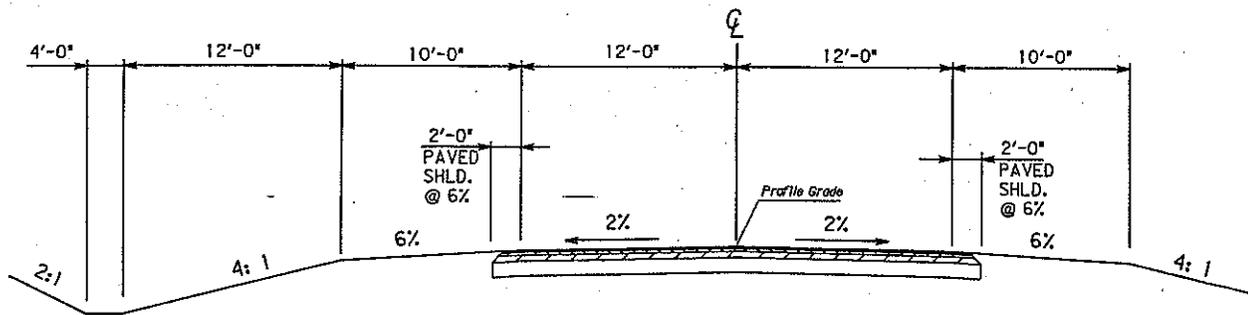
Drawings or maps or plats of the proposed project, as approved, are on file and are available for inspection at the Georgia Department of Transportation.

Keith Carver
keith.carver@dot.state.ga.us
1835 S. Peterson Avenue
Douglas, Georgia 31535
(912) 389-4201

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:

James B. Buchan, P.E.
State Consultant Design Engineer
Ben.buchan@dot.state.ga.us
No. 2 Capitol Square, SW
Atlanta, Georgia 30334
(404) 463-6132

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



TYPICAL SECTION

**SR 168 OVER TEN MILE CREEK
 PROJECT NO. BRST-1220(8)
 P.I. NO. 442925
 BERRIEN CO.**

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

SUFF. RATING: 14.3

Structure ID: 019-0035-0
Location & Geography

Berrien County

Signs & Attachments

<p>* 104 Highway System: 0</p> <p>* 26 Functional Classification: 07</p> <p>* 204 Federal Route Type: S No: 01220</p> <p>* 110 Truck Route: 0</p> <p>206 School Bus Route: 1</p> <p>217 Benchmark Elevation: 189.04</p> <p>218 Datum: 3</p> <p>* 19 Bypass Length: 6</p> <p>* 20 Toll: 3</p> <p>* 21 Maintenance: 01</p> <p>* 22 Owner: 01</p> <p>* 31 Design Load: 2</p> <p>37 Historical Significance: 5</p> <p>205 Congressional District: 08</p> <p>* 27 Year Constructed: 1955</p> <p>106 Year Reconstructed: 0000</p> <p>33 Bridge Median: 0</p> <p>34 Skew: 00</p> <p>35 Structure Flared: 0</p> <p>38 Navigation Control: 0</p> <p>213 Special Steel Design: 0</p> <p>267 Type of Paint: 0</p> <p>* 42 Type Service On: 1 Under: 5</p> <p>214 Movable Bridge: 00</p> <p>203 Type Bridge: C-K-A-O</p> <p>* 43 Structure Type Main: 1 01</p> <p>45 No. Spans Main: 010</p> <p>44 Structure Type Appr: 0 0</p> <p>46 No. Spans Appr: 0000</p> <p>226 Bridge Curve Horz: 0 Vert: 0</p> <p>111 Pier Protection: 0</p> <p>107 Deck Structure Type: 2</p> <p>108 Wearing Surface Type: 6 Membrane: 0 Protection: 0</p>	<p>223 Expansion Joint Type: 02</p> <p>242 Deck Drains: 1</p> <p>243 Parapet Location: 0</p> <p style="padding-left: 20px;">Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>238 Curb: 1.21</p> <p>239 Handrail: 77</p> <p>* 240 Median Barrier Rail: 0</p> <p>241 Bridge Median Height: 0</p> <p style="padding-left: 20px;">Width: 0</p> <p>* 230 Guardrail Loc Dir Rear: 6</p> <p style="padding-left: 20px;">Fwr: 6</p> <p style="padding-left: 20px;">Oppo Dir Rear: 0</p> <p style="padding-left: 20px;">Fwr: 0</p> <p>244 Approach Slab: 3</p> <p>224 Retaining Wall: 0</p> <p>233 Posted Speed Limit: 55</p> <p>236 Warning Sign: 1</p> <p>234 Delineator: 1</p> <p>235 Hazard Boards: 1</p> <p>237 Utilities Gas: 00</p> <p style="padding-left: 20px;">Water: 00</p> <p style="padding-left: 20px;">Electric: 00</p> <p style="padding-left: 20px;">Telephone: 00</p> <p style="padding-left: 20px;">Sewer: 00</p> <p>247 Lighting Street: 0</p> <p style="padding-left: 20px;">Navigation: 0</p> <p style="padding-left: 20px;">Aerial: 0</p> <p>* 248 County Continuity No: 00</p>	<p>Structure I.D. No.: 019-0035-0</p> <p>200 Bridge Information: 07</p> <p>* 6A Feature Int.: TEN MILE CREEK</p> <p>* 6B Critical Bridge: 0</p> <p>* 7A Route Number Carried: SR00168</p> <p>* 7B Facility Carried: SR 168</p> <p>* 9 Location: APP 4 MI SE OF NASHVILLE</p> <p>2 DOT District: 4</p> <p>207 Year Photo: 1998</p> <p>* 91 Inspection Frequency: 24 Date: 06/15/2000</p> <p>92A Fract Crit Insp Freq: 0 00 Date: 0000</p> <p>92B Underwater Insp Freq: 0 00 Date: 0000</p> <p>92C Other Spc. Insp Freq: 0 00 Date: 0000</p> <p>* 4 Place Code: 00000</p> <p>* 5 Inventory Route (O/U): 1 3</p> <p style="padding-left: 20px;">Type: 3</p> <p style="padding-left: 20px;">Designator: 1</p> <p style="padding-left: 20px;">Number: 00168</p> <p style="padding-left: 20px;">Direction: 0</p> <p>* 16 Latitude: 31-12.2</p> <p>* 17 Longitude: 83-10.9</p> <p>98 Border Bridge: 000 %Shared: 00</p> <p>99 ID Number: 0000000000000000</p> <p>* 100 Defense Highway: 0</p> <p>* 101 Parallel Structure: N</p> <p>* 102 Direction of Traffic: 2</p> <p>264 Road Inventory Mile Post: 004.50</p> <p>* 208 Inspection Area: 04 Initials: RAC</p> <p>* Location I.D. No: 019-00168D-004.52E</p> <p>* XReferen I.D. No: 000-000000-000.000</p>
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BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 019-0035-0

Berrien County

SUFF. RATING: 14.3

Programming Data

201 Project No: BA (3) 1136 (8)
 202 Plans Available: 1
 249 Prop. Proj No: BRST-1220 (8)
 250 Approval Status: 6011
 251 P.I. No: 442925
 252 Contract Date: 02/01/2002
 260 Seismic No: 000000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 220
 95 Roadway Imp. Cost: \$ 76
 96 Total Imp. Cost: \$ 351
 76 Imp. Length: 000361
 97 Imp. Year: 1991
 114 Future ADT: 002115 Year: 2019

Measurements

* 29 ADT: 001410 Year: 1999
 109 % Trucks: 11
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0015
 * 49 Structure Length: 150
 51 Br. Rdwy. Width: 23.8
 52 Deck Width: 25.7
 * 47 Tot. Horz. Cl: 23.8
 50 Curb/Sdewlk Width: 0.5/0.5
 32 Approach Rdwy Width: 025
 * 229 Shldr Width:

Rear Lt: 2.0 Type: 2 Rt: 2.0
 Fwd Lt: 2.0 Type: 2 Rt: 2.0
 Pmnt Width:
 Rear: 21.0 Type: 2
 Fwd: 21.0 Type: 2
 Intersection Rear: 1 Fwd: 0

36 Safety Features Br. Rail:
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99'99"
 Under: N 00'00"
 * 228 Min. Vert. Cl

Act. Odm. Dir: 99'99"
 Oppo. Dir: 99'99"
 Posted Odm. Dir: 00'00"
 Oppo. Dir: 00'00"
 55 Lateral Undercl. Rt: N 99.9
 56 Lateral Undercl. Lt: 0.0
 * 10 Max Min Vert Cl: 99'99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 12.0
 Deck Thick Approach: 0.0
 246 Overlay Thickness: 2.0
 211 Tons Structural Steel: 0.0
 212 Year Last Painted: Sup: 0000 Sub: 0000

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0180.9 Year: 1973
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0177.4
 Drainage Area: 00000
 Area of Opening: 001200
 113 Scour Critical: 6
 216 Water Depth: 01.0 Br Height: 07.5
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type:
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ

* Location I.D. No: 019-00168D-004.52E
 * XReferen I.D. No: 000-000000-000.000

Ratings

66 Inventory Type: 2 Rating: 04
 64 Operating Type: 2 Rating: 09
 231 Calculated Loads
 H-Modified: 20 0
 HS-Modified: 25 0
 Type 3: 27 0
 Type 3s2: 40 0
 Timber: 36 0
 Piggyback: 40 0
 261 H Inventory Rating: 15
 262 H Operating Rating: 23
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 7
 60C Underwater Condition: N
 71 Waterway Adequacy: 6
 61 Channel Protection Cond: 7
 68 Deck Geometry: 3
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: D
 * 103 Temporary Structure: T
 232 Posted Loads H-Modified: 00
 HS-Modified: 00
 Type 3: 00
 Type 3S2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 0000
 253 Fed Notify Date: 0000 0

ORIGINAL



RECEIVED

APR 15 1999

Department of Transportation

OFFICE OF PROGRAMMING

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

April 1, 1999

WAYNE SHACKELFORD
COMMISSIONER
(404)656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404)656-5277

STEVEN L. PARKS
DEPUTY COMMISSIONER
(404)656-5212

BILLY F. SHARP
TREASURER
(404)656-5224

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, BERRIEN County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRST-1220(8) BERRIEN CO., PI # 442925:

BRIDGES

SR 168 @ TEN MILE CREEK APP 4.2 MI W OF JCT SR 11

[] Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.

[x] Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.

[x] Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.

[] Furnish detours, local borrow & waste pits as needed.

[] We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This 12 day of April, 19 99

APPROVED _____

City/County Official



Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1220(8) Berrien
P.I. 442925

OFFICE Environment/ Location

DATE August 7, 2001

FROM Harvey D. Keeper, State Environmental/ Location Engineer

TO Jim Chambers, P.E., State Consultant Design Engineer
Attn: Ted Cashin

SUBJECT SR 168 @ Ten Mile Creek

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

Existing 1999 ADT = 1550
2006 ADT = 1800
2026 ADT = 2650
K = 10%
D = 60%
T = 8%
24 HR T = 10%
SU = 5%
COMB = 5%

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

Concept Team Meeting Minutes

Project: BRST-1220(7)
BRST-1220(8)
BRST-1220(9)

Date: May 16, 2002

On April 30, 2002 at 10:00 a.m., a project team concept meeting was held at the GDOT District Office in Tifton, Georgia to review the concept reports for project numbers BRST-1220(7), BRST-1220(8) and BRST-1220(9). The following were in attendance:

<u>GDOT</u>		<u>PBS&J</u>	<u>Berrien County</u>
Jeff Bridges	Pat Gaddy	Steve Lindsey	Dr. Van Whaler
Jerry Bruce	Don Gaskins	Dan McDuff	
Joe Burns	Danny Gay	Mickey Michalski	<u>CEMC</u>
Ted Cashin	Emory Giddens		Dan Taylor
Frankie Cottle	Joe Sheffield		
Brad Dockery			

Dan McDuff presented each project and the following comments were made:

All Projects

- Present Concept Report in format received at Concept Team Meeting.
- Change format of cost estimates to show cost for removal of existing bridge as item number 6 under Lump Items.

Project No. BRST-1220(7), Berrien County, SR 64/SR 168 over Alapaha River and Overflow

Page 2

- Remove SR 84 from Description.

Project Meeting Minutes
BRST-1220(7), BRST-1220(8) and BRST-1220(9)
May 16, 2002
Page 2

Page 3

- Add note in Project Location & Description that states "P.I. Nos. 442920 and 442921 will be combined".
- Remove 84 from all state route descriptions.
- Correct ADT numbers in Project Need and Purpose.
- Last sentence of third paragraph in Project Need and Purpose should read "Current truck traffic...".

Page 6

- Investigate costs of (1) detour bridge and (2) realignment with existing bridge serving as detour for the Alapaha River Overflow.
- Investigate costs and environmental issues for detour bridge and compare with safety and cost of widening existing bridge at Alapaha River.
- Remove Alternate Number 4.
- Examine driveway profiles and boat ramp and determine owner and use of driveways.

Page 9

- Under Reimbursable Utilities, Services and Subtotal B should be \$0.
- Under Major Structures, the bridge over Alapaha River should be 560' X 38'.

Page 11

- Detour bridge over Alapaha River should be 200' X 24'. Cost should be adjusted for this.

Project Meeting Minutes
BRST-1220(7), BRST-1220(8) and BRST-1220(9)
May 16, 2002
Page 3

Project No. BRST-1220(8), Berrien County, SR 168 over Ten Mile Creek

Page 3

- At top, project should be BRST-1220(8)
- Project is 4.2 miles east of Junction S.R. 11

Page 6

- Remove alternate number 5.

General

- Show R/W on county road and tie into in within GDOT R/W.
- Insert correct Traffic Data.
- Check to make sure detour tangent is long enough to allow all guardrail to be constructed at one time.

Project No. BRST-1220(9), Berrien County, SR 168 over Five Mile Creek

Page 4

- Change length of bridge from 120 ft. to 220 ft. under Typical Section for Proposed Roadway.

General

- Check utilities to determine which side to put detour bridge.
- Check to make sure detour tangent is long enough to allow all guardrail to be constructed at one time.

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

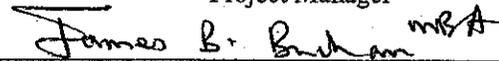
Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02



Project Manager



State Consultant Design Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Planning Administrator

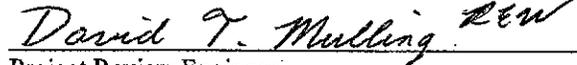
DATE: _____

State Traffic Safety & Design Engineer

DATE: _____

District Engineer

DATE: 6-21-02



Project Review Engineer

DATE: _____

State Bridge & Structural Design Engineer

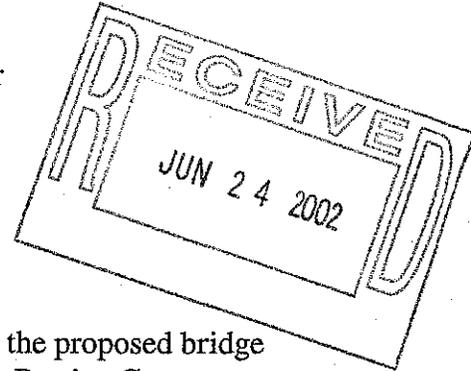
Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST - 1220 (8) / Berrien County
P.I. No. 442925

Office: Traffic Safety & Design
Atlanta, Georgia
Date: June 20, 2002

From: *PMA/ll* Phillip M. Allen, State Traffic Safety and Design Engineer
To: Wayne Hutto, Assistant Director of Preconstruction
Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the proposed bridge replacement along State Route 168 over Ten Mile Creek in Berrien County.

The Office of Traffic Safety & Design finds this report satisfactory for approval because it will improve safety and traffic operations within this area.

PMA/bm

Attachment (signature page)

Cc: Harvey Keepler, State Environment/Location Engineer
James B. Buchan, State Consultant Design Engineer
Attention: Ted Cashin
David Crim, District Engineer
David Mulling, State Review Engineer, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
Chuck Hasty, TMC
General Files
Office Files

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**
District 4 - Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02

Project Manager

State Consultant Design Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Planning Administrator

DATE: 6-20-02

State Traffic Safety & Design Engineer

DATE: _____

District Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge & Structural Design Engineer

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

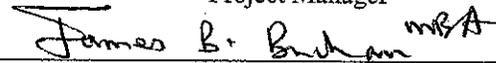
Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02



Project Manager



State Consultant Design Engineer

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

DATE: 6-21-02



State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Planning Administrator

DATE: _____

State Traffic Safety & Design Engineer

DATE: _____

District Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge & Structural Design Engineer

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02

Project Manager

State Consultant Design Engineer

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

DATE: _____

DATE: 6/21/02

DATE: _____

DATE: _____

DATE: _____

DATE: _____

DATE: _____

State Transportation Planning Administrator

State Environment/Location Engineer

Office of Financial Planning Administrator

State Traffic Safety & Design Engineer

District Engineer

Project Review Engineer

State Bridge & Structural Design Engineer

28 May, 2002

State of Georgia
Department of Transportation

Project Concept Report Page: 1
Project Number: BRST-1220(8)
P. I. Number: 442925
County: Berrien

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BRST-1220(8)
County: Berrien
P. I. Number: 442925

Project Concept Report

Federal Route Number: S-01220
State Route Number: 168

Bridge Replacement: SR 168 over Ten Mile Creek

Recommended for approval:

DATE: 6-11-02

DATE: 6-12-02

Project Manager

State Consultant Design Engineer

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

DATE: _____

State Transportation Planning Administrator

DATE: _____

State Environment/Location Engineer

DATE: _____

Office of Financial Planning Administrator

DATE: _____

State Traffic Safety & Design Engineer

DATE: _____

District Engineer

DATE: _____

Project Review Engineer

DATE: 7/7/02

State Bridge & Structural Design Engineer