ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1692(8) Echols County
P.I. No. 442985

OFFICE Preconstruction

DATE August 23, 2001

CWHutto

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:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers
David Crim
BOARD MEMBER

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1692(8) Echols County
P.I. No. 442985

OFFICE Preconstruction

DATE August 13, 2001

FROM for 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 135 over Little River, 6.0 miles south of Statenville, Georgia. The existing bridge, constructed in 1957, is load limited with a sufficiency rating of 45. State Route 135 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 350 VPD and 500 VPD in the years 2005 and 2025 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 390' x 38' concrete bridge over Little River 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:

	PROPOSED	APPROVED	PROG DATE	LET DATE
Construction (includes E&C and inflation)	$2,842,000	$1,197,000	2004	FY-04
Right-of-Way	$ 23,000	$ 10,000		
Utilities*	-----	----		

*LGPA sent 7-12-99 requesting Echols County do utilities.

BRST-1692(8) Echols
August 13, 2001

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

CWH: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-1692(8) Echols
P.I. Number 442985-

OFFICE: Engineering Services

DATE: August 10, 2001

RECEIVED
AUG 10 2001

FROM: David Mulling, DTM Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: **CONCEPT REPORT**

We have reviewed the concept report submitted August 3, 2001 by the letter from James R. Chambers dated August 2, 2001, and have the following comment:

1. Detour costs do not appear to include detour removal.

The costs for the project are:

Construction	$2,349,000
Inflation	$ 235,000
E&C	$ 258,000
Reimbursable Utilities	$ 0
Right of Way	$ 23,000

DTM

c: Jim Chambers – Office of Consultant Design

SCORING RESULTS AS PER MOG 2440-2

Project Number:	County:	PI No.:
BRST-1692(8)	ECHOLS	442985

Report Date: 8/2/01	Concept By:
	DOT Office: CONSULTANT DESIGN
☒ CONCEPT	
	Consultant: HNTB

Project Type: Choose One From Each Column			
	☐ Major	☐ Urban	☐ ATMS
	☒ Minor	☒ Rural	☒ Bridge
			☐ Building
			☐ Interchange
			☐ Intersection
			☐ Interstate
			☐ New Location
			☐ Widening & Reconstruction
			☐ Miscellaneous

FOCUS AREAS	SCORE	RESULTS
Presentation	100%	Detour costs do not appear to include removal of detour embankment & pavement.
Judgement	100%	
Environmental	100%	
Right of Way	100%	
Utility	100%	
Constructability	100%	
Schedule	100%	

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE **BRST-1692(8) Echols County**
S.R. 135 over Little River
P.I. No. 442985

OFFICE Atlanta

FROM James R. Chambers, State Consultant Design Engineer

James R. Chambers

DATE August 2, 2001

RECEIVED
AUG - 2 2001

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **PROJECT CONCEPT REPORT**

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

People 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.

JRC:llb

Distribution:

David Mulling, Project Review Engineer
Harvey Keepler, State Environmental/Location Engineer
Marion Waters, State Traffic Operations Engineer
Marta Rosen, State Transportation Planning Administrator
Herman Griffin, State Transportation Programming Engineer
David Crim, District 4 Engineer
Paul Liles, State Bridge Design Engineer

BRL-5763

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE 8-2-01 _____ Project Manager

DATE 8-2-01 _____ State Consultant Design Engineer

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

DATE_____ _____ State Transportation Planning Administrator

DATE_____ _____ State Transportation Programming Engineer

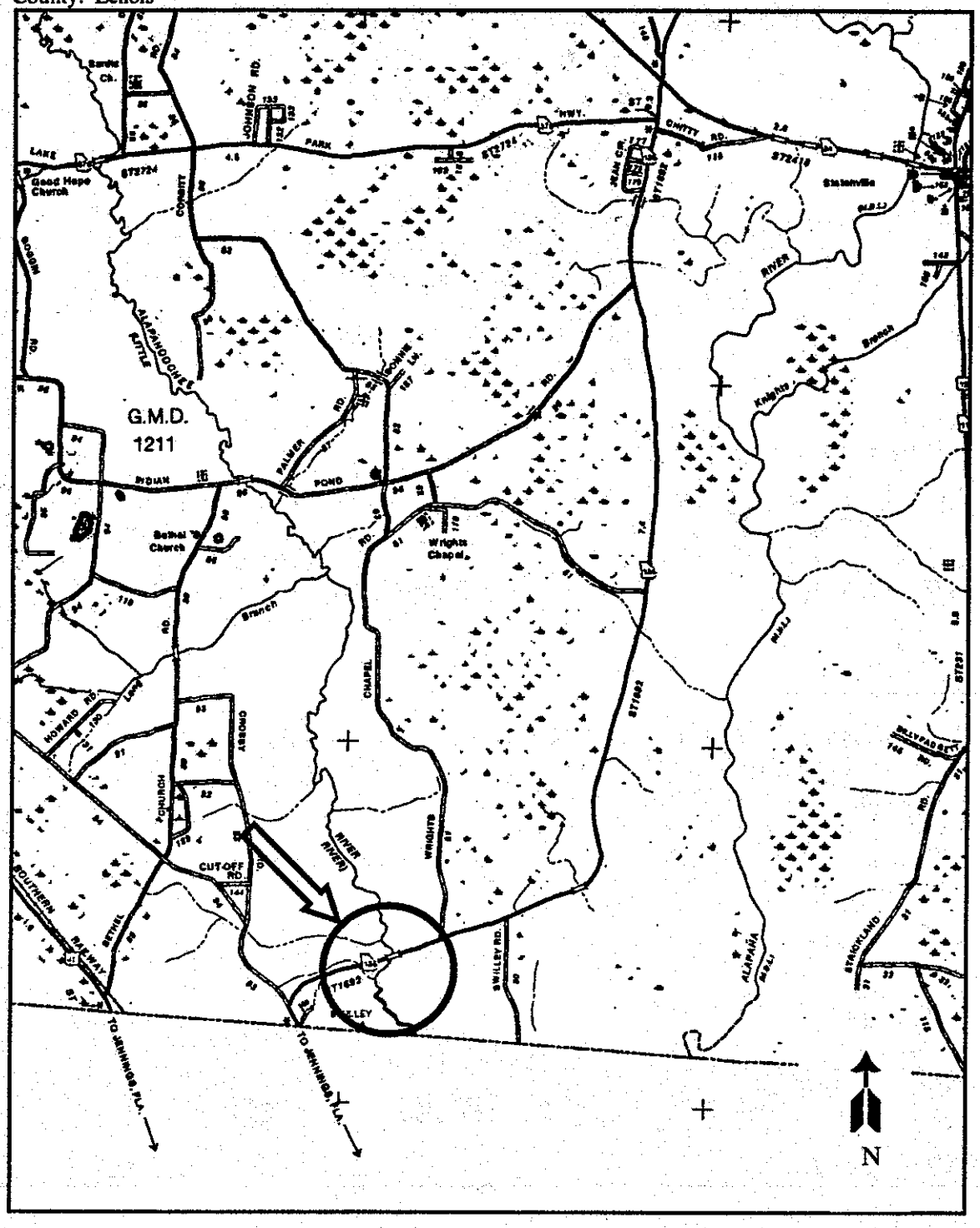
DATE_____ _____ State Environmental/Location Engineer

DATE_____ _____ State Traffic Operations Engineer

DATE_____ _____ District Engineer

DATE_____ _____ Project Review Engineer

DATE_____ _____ State Bridge Design Engineer



Scale: 1 inch = 1 mile

LOCATION MAP

Project: BRST-1692(8) Echols County **PI No.:** 442985-
Description: S.R. 135 Over Little River

Need and Purpose: This project will replace the structurally deficient bridge located along S.R. 135 over Little River (Alapahoochee Creek) in Echols County, Georgia. The bridge was constructed in 1957 and has a sufficiency rating of 45.1. The bridge will replace the existing bridge with a structurally adequate bridge to improve the safety and operation of the roadway in this area.

The existing roadway is a two-lane rural section with 12-foot travel lanes. S.R. 135 is functionally classified as a rural minor arterial and is a designated bus route. The speed limit along S.R. 135 is 55 mph. The Average Daily Traffic (ADT) was 350 in 2000 and is projected to be 500 in 2025 with 5 percent trucks.

Description of the proposed project: The proposed project would consist of replacing the existing bridge on S.R. 135 over Little River. The existing 2-lane bridge 339 feet long, 30.3 feet wide and has 10 spans. The replacement bridge would be 390 feet long, 38 feet wide, with 4 spans at 40 feet each, 3 spans at 50 feet, then 2 more spans at 40 feet for a total length of 390 feet. The newly constructed bridge will have two 12-foot travel lanes with 7-foot shoulders. The existing approach roadway has two 11-foot lanes with 10-foot rural shoulders and an existing right-of-way of 100 feet. Traffic will be maintained on an on-site detour as the new bridge is being constructed. The total length of the project will be 2705.12 feet (0.51 miles).

Is the project located in a Non-attainment area? ( ) Yes (X) No.

PDP Classification: MINOR

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

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): N/A **State Route Number(s):** 135

Traffic:

- ADT:
  - Current Year (2000): 350
  - Design Year (2025): 500
- K: 9%
- D: 55%
- T: 5%
- 24 HR T: 7%
- SU: 3.5%
- COMB: 3.5%

Existing design features:

- Typical Section: The existing roadway is a two-lane rural section with 11-foot lanes, shoulders, and ditches.
- Posted speed: 55 mph
- Maximum degree of curvature: N/A
- Maximum grade:
  Mainline: 3.2%
  Driveways: N/A
- Width of right of way: 50 ft.
- Major structures: Existing Bridge Over Little River
  Length: 339'
  Width: 30.3'
  Sufficiency Rating: 45.1
- Major interchanges or intersections along the project: N/A
- Existing length of roadway segment and the beginning mile logs for each county segment: Existing length of roadway is 2698.02 feet.

Proposed Design Features:

- Proposed typical section: The proposed roadway will consist of two 12-foot travel lanes, 10-foot shoulders (2' paved, 8' unpaved) and normal roadway ditches.
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 2.5% Maximum grade allowable: 6%
- Proposed Maximum grade Side Street: N/A Maximum grade allowable: N/A
- Proposed Maximum grade driveway: N/A
- Proposed Maximum degree of curve: 2° Maximum degree allowable: 6°
- Right of way
- Width: Varies from 20' to 85'
- Easements: Temporary (X), Permanent ( ), Utility ( ), Other ( ).
- Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
- Number of parcels impacted: 3
- Number of displacements:
  - Business: 0
  - Residences: 0
  - Mobile homes: 0
  - Other: 0

- Structures:
- Bridges: The proposed bridge will have an approximate length of 390 feet and a width of 38 feet, which includes two 12-foot travel lanes and 7-foot shoulders, based on MOG 4265-10.
- Retaining walls: 0
- Major intersections and interchanges: N/A
- Traffic control during construction: Traffic will be on the existing roadway in the area.
- Design Exceptions to controlling criteria anticipated:

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

- Design Variances: None
- Environmental concerns: Environmental study in process
- Level of environmental analysis:
- Are Time Savings Procedures appropriate? Yes (X), No ( ),
- Categorical Exclusion (Anticipated) (X),
- Utility involvements:
  Telephone

Project responsibilities:

- Design, HNTB Corporation
- Right of Way Acquisition, GDOT
- Relocation of Utilities, GDOT or Owner
- Letting of contract, GDOT
- Supervision of construction, GDOT
- Providing material pits, GDOT
- Providing detours, GDOT

Coordination

- Concept meeting date: July 26, 2001
- P. A. R. meetings: None
- FEMA, USCG, and/or TVA
- Public involvement: No public involvement anticipated
- Local government comments: LGPA Agreement
- Other projects in the area: N/A
- Other coordination to date: None

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 5 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: 1-4 Months.
- Time to complete final construction plans: 4 Months.
- Time to complete to purchase right of way: 6 Months.
- List other major items that will affect the project schedule: N/A

Other alternates considered:

No Build
Improve Existing Bridge
Off-site Detour

Comments: It was determined that the other alternates were not feasible. A brief explanation as follows:

1) No Build: Department guidelines require that any structure with a sufficiency rating of less than 50 be replaced rather than improved. This bridge has a sufficiency rating of 45.1, and under Department guidelines any structure with a rating of less than 50 should be replaced. Therefore, the no-build alternative is not a viable option.

2) Improve Existing Bridge: The improve existing bridge alternative was not considered since the bridge has a sufficiency rating of 45.1, guidelines require that the entire structure be replaced rather than improved, therefore eliminating this alternative.

3) Off-site Detour: This alternative was rejected because there were no feasible alternative routes in the area.

Attachments:

1. Cost Estimates:
   a. Construction including E&C,
   b. Right of Way, and
   c. Utilities.
2. Typical sections
3. Concept Layout
4. Bridge inventory
5. Minutes from Concept Meeting
6. LGPA's or PMA's,
7. Location and Design Notice

PRELIMINARY COST ESTIMATE

BIG BRIDGE WORK ORDER NUMBER 19 - SR 135 Over Little River

PROJECT NUMBER:	**BRST-1692(8)**	**COUNTY:**	**Echols**
DATE:	**June 19,2001**	**ESTIMATED LETTING DATE:**	**-**
PREPARED BY:	**HNTB**	**PROJECT LENGTH (MILES):**	**0.51**

( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

PROJECT COST

ITEM	UNIT	UNIT PRICE	QUANTITY	COST
A. RIGHT-OF-WAY:				
1. PROPERTY (LAND & EASEMENT):	AC	$2,500.00	2.00	$ 5,000
2. DISPLACEMENTS: RES 0; BUS 0; MH 0	EA	$125,000.00	0	$ 0
3. OTHER COST (ADM./ COST, INFLATION)	EA	$6,000.00	3	$ 18,000
	SUBTOTAL: A			$ 23,000
B. REIMBURSABLE UTILITIES: (LGPA)				
1. RAILROAD	EA	$20,000.00	0	$ 0
2. TRANSMISSION LINES	EA	$20,000.00	0	$ 0
3. SERVICES	EA	$10,000.00	0	$ 0
	SUBTOTAL: B			$ 0
CONSTRUCTION				
C. MAJOR STRUCTURES:				
1. RETAINING WALLS	SF	$62.00	0.00	$ 0
2. BRIDGES	SF	$55.00	14820.00	$ 815,100
3. DETOUR BRIDGES	SF	$40.00	9360.00	$ 365,040
4. REMOVAL OF EXISTING BRIDGE	SF	$8.00	10271.70	$ 82,174
5. BOX CULVERTS	LS	LUMP SUM	LUMP SUM	$ 0
	SUBTOTAL: C			$ 1,262,314

Project Concept Report page
Project Number: BRST-169(6)
P. I. Number: 442985
County: Echols

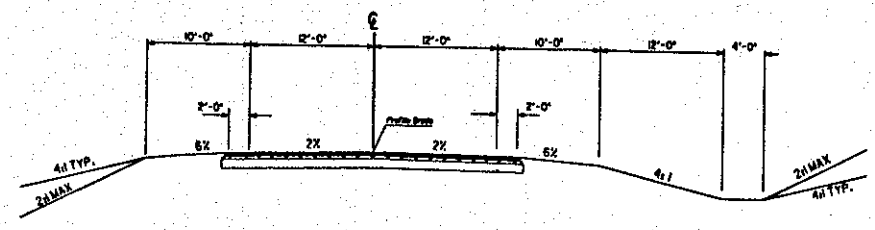
D. GRADING, DRAINAGE AND EROSION CONTROL:				
1. EARTHWORK				
a. Permanent Borrow:	CY	$4.00	0.00	$ 0
b. Permanent Excavation:	CY	$6.00	100.00	$ 600
c. Detour Borrow:	CY	$4.00	13894.94	$ 55,580
d. Detour Excavation:	CY	$6.00	0.00	$ 0
	SUBTOTAL: D-1			$ 56,180
2. DRAINAGE:				
a. Cross Drain Pipe	LS	LUMP SUM	LUMP SUM	$ 0
b. Curb and Gutter	FT	$12.00	0.00	$ 0
c. Longitudinal System	FT		0.00	$ 0
	SUBTOTAL D-2			$ 0
3. TEMPORARY EROSION CONTROL:				
a. Silt Fence - Type A	FT	$2.50	0.00	$ 2,295
b. Straw Bales or Silt Fence - Type B	FT	$2.25	10868.50	$ 24,454
c. Silt Fence - Type C	FT	$4.75	865.97	$ 4,113
d. Temporary Grass	LB	$37.00	125.00	$ 4,625
e. Temporary Mulch	TN	$500.00	12.50	$ 6,250
f. Silt Control Gates	EA	$650.00	0.00	$ 0
g. Check Dams/ Ditch Checks	EA	$300.00	0.00	$ 0
h. Sediment Basins	EA	$6,000.00	0.00	$ 0
	SUBTOTAL: D-3			41,738
4. PERMANENT EROSION CONTROL:				
a. Concrete Ditch Paving	SY	$30.00	0.00	$ 0
b. Permanent Soil Reinforcing Mat	SY	$6.75	7200.00	$ 48,600
c. Bituminous Treated Roving	SY	$2.75	1350.00	$ 3,713
d. Rip Rap for Bridge End Rolls	SY	$38.00	363.35	$ 13,807
e. Erosion Blankets or Mats	SY	$2.50	545.03	$ 1,363
f. Permanent Grassing	AC	$1,595.00	8.33	$ 13,292
	SUBTOTAL: D-4			$ 80,774
	SUBTOTAL: D			$ 178,692

E. BASE AND PAVING:				
1. PERMANENT ROADWAY				
a. Aggregate Base	TN	$16.00	5443.20	$ 87,091
b. Surface	TN	$38.50	693.00	$ 26,681
c. Binder	TN	$36.50	924.00	$ 33,726
d. Base	TN	$38.00	2772.00	$ 105,336
e. Leveling	TN	$39.25	298.00	$ 11,697
f. Tack Coat	GAL	$1.10	1008.00	$ 1,109
g. Approach Slabs	SY	$105.50	253.33	$ 26,727
	SUBTOTAL: E-1			$ 292,366
2. DETOUR ROADWAY				
a. Aggregate Base	TN	$16.00	4225.79	$ 67,613
b. Surface	TN	$38.50	538.01	$ 20,713
c. Binder	TN	$36.50	717.34	$ 26,183
d. Leveling	TN	$39.25	306.62	$ 12,035
e. Tack Coat	GAL	$1.10	456.49	$ 502
f. Approach Slabs	SY	$105.50	0.00	$ 0
	SUBTOTAL: E-2			$ 127,046
	SUBTOTAL: E			$ 419,411
F. LUMP ITEMS:				
1. TRAFFIC CONTROL	LS	LUMP SUM	LUMP SUM	$ 121,623
2. CLEARING AND GRUBBING	AC	$11,500.00	8.68	$ 99,793
	SUBTOTAL: F			$ 221,417
G. MISCELLANEOUS:				
1. FENCING AND SIGNING				
a. Fencing	LF	$12.50	0.00	$ 0
b. Signs & Posts	EA	$221.50	27.00	$ 5,981
c. Signals	EA	$37,000.00	0.00	$ 0
	SUBTOTAL: G-1			$ 5,981
2. STRIPING				
a. 5 In White Solid	LF	$260.00	2.05	$ 532
b. 5 In Yellow Solid	LF	$262.00	2.05	$ 536
	SUBTOTAL: G-2			$ 1,069

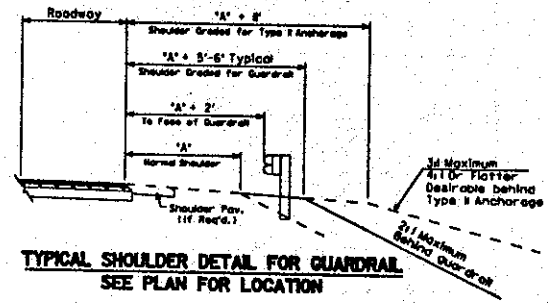
3. GUARDRAIL					
a. Type W	LF	$12.25	2184.83	$	26,764
b. Type T	LF	$50.00	165.17	$	8,258
c. Type 12 Anchors	EA	$1,500.00	2.00	$	3,000
d. Type 1 Anchors	EA	$435.00	2.00	$	870
e. Removal	LF	$13.13	584.54	$	7,677
	SUBTOTAL: G-3			$	46,570
	SUBTOTAL: G			$	53,619

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY	$	23,000
B. REIMBURSABLE UTILITIES	$	0
CONSTRUCTION		
C. MAJOR STRUCTURES	$	1,262,314
D. GRADING, DRAINAGE AND EROSION CONTROL	$	178,692
E. BASE AND PAVING	$	419,411
F. LUMP ITEMS	$	221,417
G. MISCELLANEOUS	$	53,619
CONTINGENCIES (10%)	$	213,545
SUBTOTAL CONSTRUCTION COST	$	2,348,998
E. & C. (10%)	$	234,900
INFLATION (5% PER YEAR)	$	713,883
NUMBER OF YEARS 5		
TOTAL CONSTRUCTION COST	$	3,297,781
GRAND TOTAL PROJECT COST	$	3,320,781
GRAND TOTAL PROJECT COST (DETOUR)	$	587,981
GRAND TOTAL PROJECT COST (PERMANENT)	$	2,732,800

STATE	PROJECT NUMBER	SHT. NO.	TOTAL SHTS.
GA.	BRST-1692(8)		



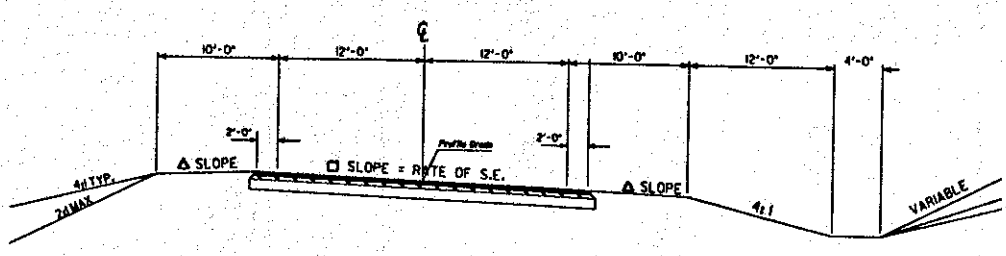
TYPICAL ROADWAY SECTION



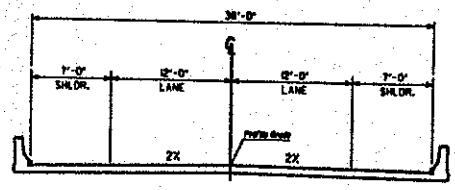
TYPICAL SHOULDER DETAIL FOR GUARDRAIL
SEE PLAN FOR LOCATION

SLOPE CONTROLS		
SLOPE	CUT	FILL
4:1	0-10'	0-10'
2:1*	OVER 10'	OVER 10'

*REQUIRES GUARDRAIL



SUPERELEVATED SECTION



TYPICAL BRIDGE SECTION

□ SLOPE ¾"/1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
Δ SLOPE ¼"/1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.08'/FT

SCALE 1"=

HNTB
BIGBRIDGE WORK ORDER SERVICES
WORK ORDER #19
S.R. 135 OVER Little River

HNTB 1000 CIRCLE 75 PKWY SUITE 600 ATLANTA, GEORGIA 30339

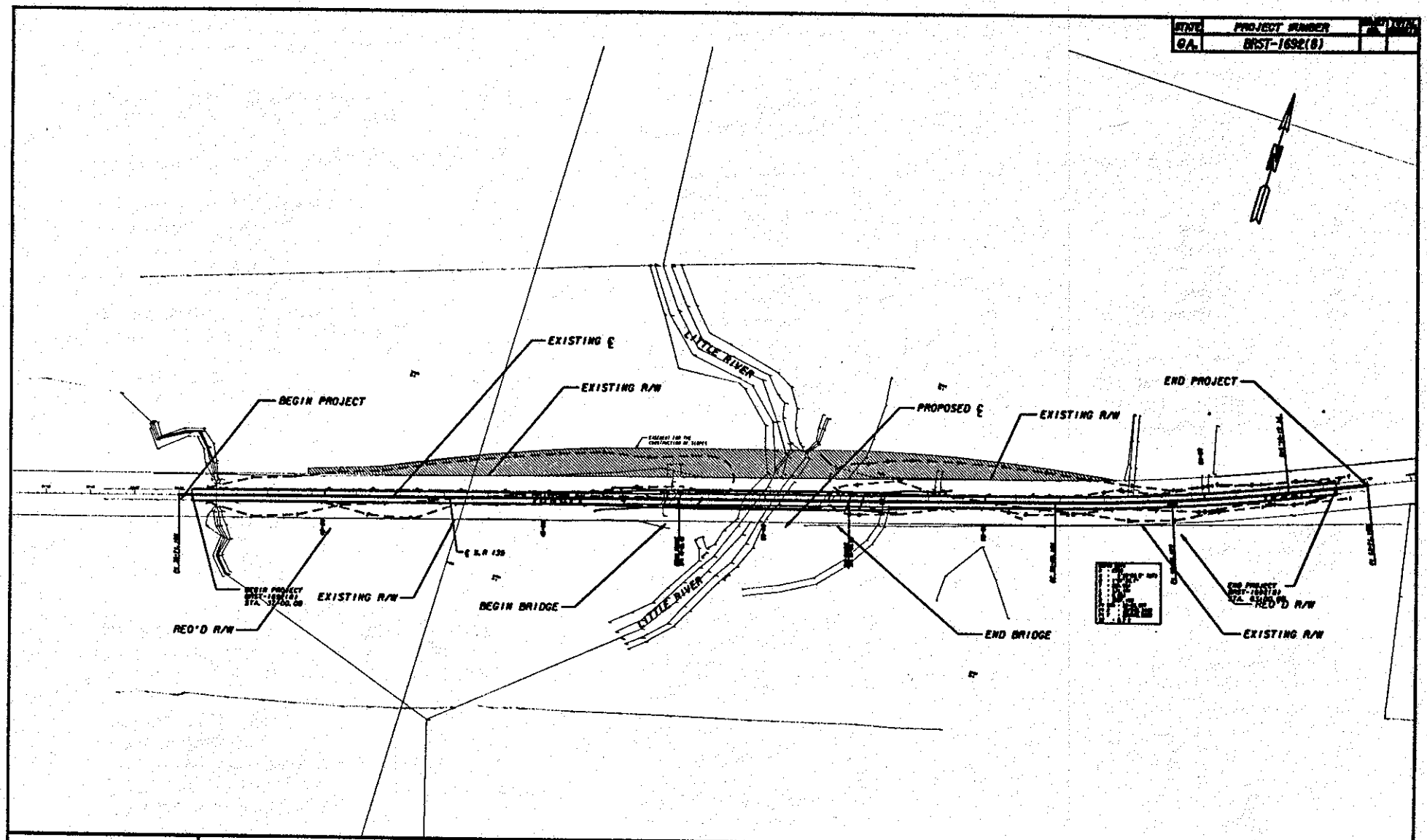
DATE	REVISIONS	DATE	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
PROJECT: 442985
COUNTY: Echols

DRAWING No.

...\cad\typicals\typsections.dgn Aug. 01, 2001 08:50:08

STATE	PROJECT NUMBER
GA.	BRST-1692(8)



SCALE 1"=100

HNTB

BIGBRIDGE WORK ORDER SERVICES
WORK ORDER #19
S.R. 135 OVER LITTLE RIVER

HNTB 100 CIRCLE 75 PKWY
SUITE 650
ATLANTA, GEORGIA 30339

DATE	REVISIONS	DATE	REVISIONS

GEORGIA
DEPARTMENT OF TRANSPORTATION
CONCEPT PLAN

PROJECT: 442985
COUNTY: ECHOLS

DRAWING No.

...\cad\concept\concept.dgn Aug. 01, 2001 08:50:38

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 101-0017-0 **Echols County** **SUFF. RATING: 55.1**

Location & Geography

* Structure I.D. No.: 101-0017-0
200 Bridge Information: 06

* 6A Feature Int.: LITTLE RIVER
* 6B Critical Bridge: 0
* 7A Route Number Carried: SR00135
* 7B Facility Carried: SR 135
* 9 Location: APP 6 MI S OF STATENVILLE
2 DOT District: 4
207 Year Photo: 1999

* 91 Inspection Frequency: 24 Date: 08/24/1999
92A Fract Crit Insp Freq: 0 00 Date: 0000
92B Underwater Insp Freq: 1 60 Date: 01/31/2001
92C Other Spc. Insp Freq: 0 00 Date: 0000

* 4 Place Code: 00000

* 5 Inventory Route (O/U): 1
Type: 3
Designator: 1
Number: 00135
Direction: 0

* 16 Latitude: 30-37.8
* 17 Longitude: 83 -05.3

98 Border Bridge: 000 %Shared: 00
99 ID Number: 000000000000000

* 100 Defense Highway: 0
* 101 Parallel Structure: N
* 102 Direction of Traffic: 2
264 Road Inventory Mile Post: 000.89

* 208 Inspection Area: 04 Initials: RAC

* Location I.D. No: 101-00135D-000.87N
* XReferen I.D. No: 000-000000-000.000

* 104 Highway System: 0
* 26 Functional Classification: 07
* 204 Federal Route Type: S No: 01692
* 110 Truck Route: 0
206 School Bus Route: 1
217 Benchmark Elevation: 107.32
218 Datum: 3
* 19 Bypass Length: 4
* 20 Toll: 3
* 21 Maintenance: 01
* 22 Owner: 01
* 31 Design Load: 2
37 Historical Significance: 5
205 Congressional District: 08
* 27 Year Constructed: 1957
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 37
35 Structure Flared: 0
38 Navigation Control: 0
213 Special Steel Design: 0
267 Type of Paint: 1

* 42 Type Service On: 1
Under: 5
214 Movable Bridge: 00
203 Type Bridge: O-N-M-O
259 Pile Encasement: 2
* 43 Structure Type Main: 3 02
45 No. Spans Main: 003
44 Structure Type Appr: 4 4
46 No. Spans Appr: 0007
226 Bridge Curve Horz: 0 Vert: 0
111 Pier Protection: 0
107 Deck Structure Type: 1

108 Wearing Surface Type: 1
Membrane: 0
Protection: 0

Signs & Attachments

223 Expansion Joint Type: 02
242 Deck Drains: 1

243 Parapet Location: 0
Height: 0
Width: 0

238 Curb: 1.2 1
239 Handrail: 1 1
* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0
Width: 0

* 230 Guardrail Loc Dir Rear: 3
Fwrd: 3
Oppo Dir Rear: 0
Fwrd: 0

244 Approach Slab: 3
224 Retaining Wall: 0

233 Posted Speed Limit: 55
236 Warning Sign: 1
234 Delineator: 1
235 Hazard Boards: 1

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

Report Date: 03/23/2001

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 101-0017-0 **Echols County** **SUFF. RATING:** 55.1

Programming Data

201 Project No: S-1692
202 Plans Available: 1
249 Prop. Proj No: BRST-1692 (8)
250 Approval Status: 0000
251 P.I. No: 442985
252 Contract Date: 02/01/2004
260 Seismic No: 00000
75 Type Work: 00 0
94 Bridge Imp. Cost: $ 0
95 Roadway Imp. Cost: $ 0
96 Total Imp. Cost: $ 0
76 Imp. Length: 000000
97 Imp. Year: 0000
114 Future ADT: 000600 Year: 2019

Hydraulic Data

215 Waterway Data
Highwater Elev: 0095.8 Year: 1972
Flood Elev: 0000.0 Freq: 00
Avg. Streambed Elev: 0077.3
Drainage Area: 00000
Area of Opening: 006340
113 Scour Critical: 6
216 Water Depth: 4 Br Height: 27.3
222 Slope Protection: 1
221 Spur Dikes Rear: 0 Fwrd: 0
219 Fender System: 0
220 Dolphin: 0
223 Culvert Cover: 000
Type: 0
No Barrels: 0
Width: 0.0
Height: 0.0
Length: 0
Apron: 0
* 265 U/W Insp. Area: 2 Diver: WCS

* Location I.D. No: 101-00135D-000.87N
* XReferen I.D. No: 000-000000-000.000

Measurements

* 29 ADT: 000400 Year: 1999
109 % Trucks: 10
* 28 Lanes On: 02 Under: 00
210 No. Tracks On: 00 Under: 00
* 48 Max. Span Length: 0050
* 49 Structure Length: 339
51 Br. Rdwy. Width: 24.0
52 Deck Width: 30.3
* 47 Tot. Horz. Cl: 24.0
50 Curb/Sdewlk Width: 2.0/2.0
32 Approach Rdwy Width: 020
* 229 Shlder Width:
Rear Lt: 3.0 Type: 2 Rt: 3.0
Fwrd Lt: 3.0 Type: 2 Rt: 3.0
Pvment Width:
Rear: 20.0 Type: 2
Fwrd: 20.0 Type: 2
Intersection Rear: 0 Fwrd: 0
36 Safety Features Br. Rail: 2
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: 6.0
Deck Thick Approach: 6.0
246 Overlay Thickness: 0.0
211 Tons Structural Steel: 66.0
212 Year Last Painted: Sup: 1984 Sub: 1984

Ratings

66 Inventory Type: 2 Rating: 13
64 Operating Type: 2 Rating: 29
231 Calculated Loads
H-Modified: 15 1
HS-Modified: 00 0
Type 3: 27 1
Type 3s2: 00 0
Timber: 32 1
Piggyback: 00 0
261 H Inventory Rating: 10
262 H Operating Rating: 15
67 Structural Evaluation: 4
58 Deck Condition: 5
59 Superstructure Condition: 7
* 227 Collision Damage: 0
60A Substructure Condition: 7
60B Scour Condition: 7
60C Underwater Condition: 6
71 Waterway Adequacy: 6
61 Channel Protection Cond: 6
68 Deck Geometry: 5
69 UnderClr. Horz/Vert: N
72 Appr. Alignment: 7
62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
41 Struct Open, Posted, Cl: P
* 103 Temporary Structure: T

232 Posted Loads H-Modified: 15
HS-Modified: 00
Type 3: 27
Type 3S2: 00
Timber: 32
Piggyback: 00
253 Notification Date: 0000
253 Fed Notify Date: 0000

2

Report Date: 03/23/2001

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

File: Bridge Replacement: S.R. 135 over Little River
BRST-1692(8), Echols County
P.I. No. 442985

From: James R. Chambers, State Consultant Design Engineer

To: Distribution

Subject: Minutes of Concept Meeting
Big Bridge W.O. #19

The Concept Meeting for the S.R. 135 over Little River Bridge replacement was held on July 26, 2001 at the Georgia Department of Transportation District 4 Conference Room. The attendees are listed below.

Attendees:	Larry Cook	HNTB	(770) 956-5770
	Ashley Chan	HNTB	(770) 956-5770
	Tim Heilmeier	HNTB	(770) 956-5770
	Kerry Williams	HNTB	(770) 956-5770
	Emory Giddens	GDOT Dist. 4 Utilities	(229) 386-3288
	Danny Gay	GDOT Dist. 4 Traffic	(229) 386-3435
	Zane Hutchinson	GDOT Dist. 4 Design	(229) 386-3300
	Joe Sheffield	GDOT Dist. 4 Pre-construction	(229) 386-3300
	Joe Burns	GDOT Dist. 4 Environmental	(229) 386-3046
	Don Gaskins	GDOT Dist. 4 Plan. & Prog.	(229) 386-3045
	Tim Warren	GDOT Dist. 4 Area One	(229) 333-5287

- Mr. Williams described project, noted that concept changed recently due to discovery of Indian artifacts in southeast quadrant. This precluded the previously proposed offset alignment to the south side.

- Mr. Sheffield noted that District 4 would prefer enough offset to the detour to construct the entire proposed guardrail under Stage 2

- Mr. Sheffield noted that the first preference is an improved alignment and they do not like to realign concentric tangents.

- Mr. Giddens noted that the utilities on the project: Slash Pine EMC and BellSouth.

- Mr. Burns noted no wetlands, no historical sites, and places to dispose of the old bridge.
- Mr. Gaskins provided the LGPA from Echols County.
- Mr. Gay noted that rumble strips will be needed prior to the detour.

Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002
July 12, 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, ECHOLS County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRST-1692(8) ECHOLS CO., PI # 442985-:

BRIDGES

SR 135 @ LITTLE RIVER APP 5 MI S OF JCT SR 376

[ ] 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 12-27 00 *day of* _____, *19* _____

APPROVED Walter Parmenter

City/County Official

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: BRST-1692(8) ECHOLS COUNTY
P. I. NO. 442985

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 the above project.

Date of Location and Design Approval: _____

Project BRST-1692(8) Echols County proposes the replacement of the structurally deficient bridge at State Route 135 over Little River. The bridge is located approximately 9 miles from the Georgia/Florida State Line.

State Route 135 is a rural minor arterial in the southern part of the state. The current bridge on S.R. 135 over Little River has a structural evaluation rating of 2 and a sufficiency rating of 45.1 which requires the bridge be replaced .

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:

Tim Warren
Tim.warren@dot.state.ga.us
1409 Madison Highway
Valdosta, Georgia 31601-6585
Telephone (229) 333-5287

Sonja Thompson
Sonja.thompson@dot.state.ga.us
120 East By-Pass NE
Moultrie, Georgia 31768
Telephone (229) 891-7130

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:

Ted Cashin
Office of Consultant Design
Ted.cashin@dot.state.ga.us
Georgia Department of Transportation
No. 2 Capitol Square, Room 433
Atlanta, Georgia 30334
Telephone (404) 463-6133

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE 8-3-01 _____
State Transportation Planning Administrator

DATE_____ _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE_____ _____
State Traffic Operations Engineer

DATE_____ _____
District Engineer

DATE_____ _____
Project Review Engineer

DATE_____ _____
State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE_____ _____
State Transportation Planning Administrator

DATE 8/2/01 _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE_____ _____
State Traffic Operations Engineer

DATE_____ _____
District Engineer

DATE_____ _____
Project Review Engineer

DATE_____ _____
State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE_____ _____
State Transportation Planning Administrator

DATE_____ _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE_____ _____
State Traffic Operations Engineer

DATE_____ _____
District Engineer

DATE_____ _____
Project Review Engineer

DATE 8/8/01 Paul V. Liles Jr.
State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE_____ _____
State Transportation Planning Administrator

DATE_____ _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE_____ _____
State Traffic Operations Engineer

DATE 8-07-01 _____
District Engineer

DATE_____ _____
Project Review Engineer

DATE_____ _____
State Bridge Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-1692 (8) / Echols County
P.I. No. 442985

Office: Traffic Operations
Atlanta, Georgia
Date: August 3, 2001

RECEIVED
AUG - 8 2001

From: M.G. Waters, III, P.E., State Traffic Operations Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the above referenced concept report for the replacement of the structurally deficient bridge on SR 135 over the Little River. This project is located in Echols County.

The existing structure is 30 feet wide with a sufficiency rating of 45.1. The concept proposes to construct a new structure 38 feet wide for the two-lane roadway. The current ADT is 350 vehicles and the design year ADT is projected to be 500 vehicles. The proposed bridge width is in accordance with MOG 4265-10 for this type of roadway.

We believe this concept will improve safety and traffic operations within this area, therefore find this report satisfactory for approval.

MGW/BM

Attachment (signature page)

Cc: Harvey Keepler, State Environment/Location Engineer
James Chambers, State Consultant Design 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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE_____ _____
State Transportation Planning Administrator

DATE_____ _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE 08/06/01 Marion G Waters III
State Traffic Operations Engineer

DATE_____ _____
District Engineer

DATE_____ _____
Project Review Engineer

DATE_____ _____
State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-1692(8)
County: Echols
P. I. Number: 442985

Federal Route Number: N/A
State Route Number: 135

Recommendation for approval:

DATE_____ _____
Project Manager

DATE_____ _____
State Consultant Design Engineer

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

DATE_____ _____
State Transportation Planning Administrator

DATE_____ _____
State Transportation Programming Engineer

DATE_____ _____
State Environmental/Location Engineer

DATE_____ _____
State Traffic Operations Engineer

DATE_____ _____
District Engineer

DATE 8/10/01 _____
Project Review Engineer

DATE_____ _____
State Bridge Design Engineer