

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-2418(8) Clinch-Echols Counties **OFFICE** Preconstruction
P.I. No. 442987
DATE August 23, 2001
FROM *CW Hutto*
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

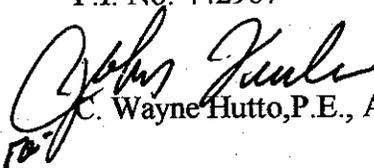
DISTRIBUTION:

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-2418(8) Clinch-Echols Counties **OFFICE** Preconstruction
P.I. No. 442987 **DATE** August 14, 2001

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 94 over Suwanoochee Creek, at the Clinch-Echols county line. The existing bridge, constructed in 1950, is load limited with a sufficiency rating of 41. State Route 94 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 550 VPD and 900 VPD in the years 2005 and 2025 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 94 south of its present location, extending a total of 0.57 mile. The proposed new bridge will be 530' x 38' and will be located just south of the existing bridge structure. The relocated SR 94 will consist of two, 12' lanes with 8' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

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

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$2,572,000	\$1,864,000	2005	02-07
Right-of-Way	\$ 16,000	\$ 10,000		
Utilities*	\$ 50,000	----		

*Echols County refused LGPA for utilities 7-29-99.

Frank L. Danchetz
Page 2

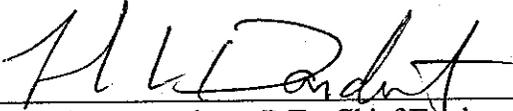
BRST-2418(8) Clinch-Echols
August 14, 2001

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-2418(8) Clinch-Echols
P.I. Number 442987-

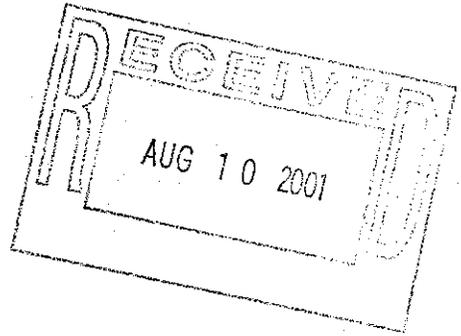
OFFICE: Engineering Services

DATE: August 9, 2001

FROM: David Mulling, ^{DM} 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 comments:

1. The traffic control note on Page 6 states that traffic will be detoured on adjacent roadways in the area. This conflicts with the proposed realignment.
2. A straight bridge with constant cross slope is preferred for ease of construction, and should be considered as an alternate with estimated costs.

The costs for the project are:

Construction	\$2,125,000
Inflation	\$ 213,000
E&C	\$ 234,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 16,000

DTM

c: Jim Chambers – Office of Consultant Design

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRST-2418(8)		County: CLINCH-ECHOLS		PI No.: 442987	
Report Date: 8/2/01		Concept By: DOT Office: CONSULTANT DESIGN			
<input checked="" type="checkbox"/> CONCEPT		Consultant: HNTB			
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 <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	100%	Traffic control note conflicts with realignment.			
Judgement	90%	Tangent bridge as alternate to curved bridge.			
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-2418(8)

County: Clinch/Echols

P. I. Number: 442987

Federal Route Number: N/A

State Route Number: 94

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

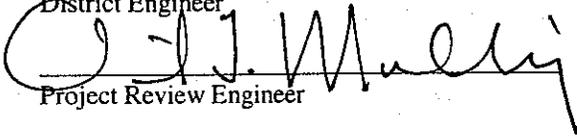
DATE _____

State Traffic Operations Engineer

DATE _____

District Engineer

DATE 8/9/01



Project Review Engineer

DATE _____

State Bridge Design Engineer

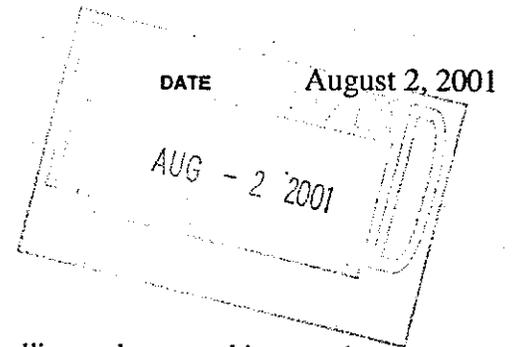
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE **BRST-2418(8) Clinch/Echols Counties**
S.R. 94 over Suwanoochee Creek
P.I. No. 442987

OFFICE Atlanta

FROM *James R. Chambers*
James R. Chambers, State Consultant Design Engineer



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

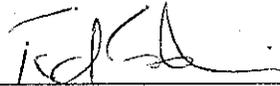
Project Number: BRST-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

Recommendation for approval:

DATE 8-2-01

DATE 8-2-01



Project Manager



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 _____

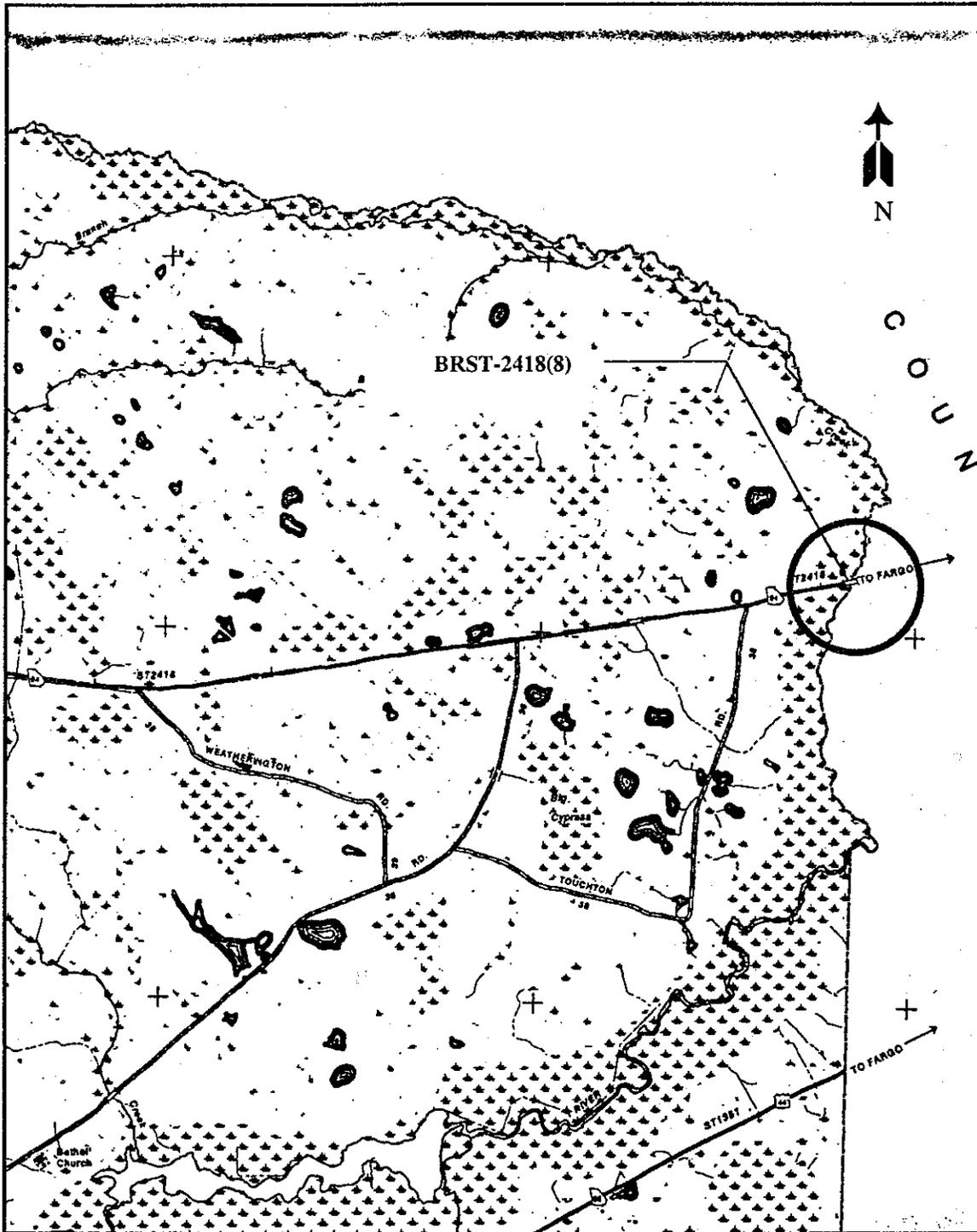
District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Design Engineer



Scale: 1 inch = 1 mile

LOCATION MAP

Project: BRST-2418(8) Echols County PI No.: 442987-
Description: SR 94 over Suwanoochee Creek at Clinch County Line

Need and Purpose: This project will replace the structurally deficient bridge located along SR 94 over Suwanoochee Creek at the Clinch/Echols County line. The project is located 1.25 miles west of the center of Fargo. The bridge was constructed in 1950 and has a sufficiency rating of 41. According to Georgia Department of Transportation standards, any structure with a rating less than 50 should be replaced rather than improved.

The existing roadway is a two-lane rural roadway section with 12-foot travel lanes and 8-foot shoulders (2-foot paved). SR 94 is functionally classified as a rural minor arterial and is not a designated bus route. The posted speed along SR 94 is 55 mph. The Average Daily Traffic (ADT) along this section of roadway was 550 in 2000 and is projected to be 900 in 2025 with 5 percent trucks.

Description of the proposed project: The proposed project would consist of replacing the existing bridge on SR 94 over Suwanoochee Creek at the Clinch/Echols County line. The existing 2-lane bridge is 528 feet long, 32 feet wide and has 16 spans. The replacement bridge would be 530 feet long and 38 feet wide, with 5 spans at 40 feet, 2 spans at 65 feet, and then 5 more spans at 40 feet for a total length of 530 feet. The replacement bridge will have two 12-foot lanes with 7-foot shoulders. A right-of-way acquisition of 0.51 acres would be required for the construction and realignment of S.R. 94. The total length of the project is approximately 3014 feet (0.57 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): 94

Traffic:

- ADT:
Current Year (2000): 550
Design Year (2025): 900
- 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 12-foot lanes, 8-foot shoulders, and ditches.
- Posted speed: 55 mph
- Maximum degree of curvature: N/A
- Maximum grade:
 - Mainline: 0.40%
 - Driveways: N/A
- Width of right of way: 200 ft.
- Major structures: Existing Bridge Over Suwanoochee Creek
 - Length: 528.00'
 - Width: 32.00'
 - Sufficiency Rating: 41.0
- 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 3010.67 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: 1% 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, 0.72 acres
- Easements: Temporary (X), Permanent (), Utility (), Other ().
- Type of access control: Full (), Partial (), By Permit (X), Other ().
- Number of parcels impacted: 2
- Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges: The proposed bridge will have an approximate length of 530 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 ~~detoured on adjacent roadways in the area.~~ ^{MAINTAINED ON THE EXISTING BRIDGE}
- Design Exceptions to controlling criteria anticipated:

Del
 15/AUG/2001

	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
- Letting to 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
Off-site Detour
On-site Detour

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

- 1) No Build: The sufficiency rating is 41. Since the sufficiency rating is below 50, Department guidelines require that the bridge be replaced. The no build scenario, therefore, is not a viable option
- 2) Off-site Detour: This alternative was not used because there are no existing roadways in the area that could provide a reasonable detour through the area, without causing long delays in travel times.
- 3) On-site Detour: A cost analysis was performed using an on-site detour to maintain traffic during construction. The cost for an on-site detour was \$700,000.00, which was very expensive for a detour. Therefore, this alternative was not chosen.

Project Concept Report part 3
Project Number: BRST-24-008
P. I. Number 442987
County: Clinch/Echols County



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 21 - SR 94 over Suwanoochee Creek

PROJECT NUMBER: BRST-2418(8) **COUNTY:** Clinch/Echols County
DATE: 37102 **ESTIMATED LETTING DATE:** -
PREPARED BY: HNTB **PROJECT LENGTH (MILES):** 0.57
 () PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEV

PROJECT COST				
ITEM	UNIT	UNIT COST	QUANTITY	COST
A. RIGHT-OF-WAY:				
1. PROPERTY (LAND & EASEMENT):	AC	\$5,000.00	0.72	\$ 3,600
2. DISPLACEMENTS: RES 0; BUS 0; MH 0	EA	\$125,000.00	0.00	\$ 0
3. OTHER COST (ADM/ COST, INFLATION)	EA	\$6,000.00	2.00	\$ 12,000
SUBTOTAL: A				\$ 15,600
B. REIMBURSABLE UTILITIES: (LGPA)				
1. RAILROAD	EA	\$20,000.00	0.00	\$ 0
2. TRANSMISSION LINES	EA	\$20,000.00	0.00	\$ 0
3. SERVICES	EA	\$10,000.00	0.00	\$ 0
SUBTOTAL: B				\$ 0
CONSTRUCTION				
C. MAJOR STRUCTURES:				
1. RETAINING WALLS	SF	\$62.00	0.00	\$ 0
2. BRIDGES	SF	\$55.00	20140.00	\$ 1,107,700
3. DETOUR BRIDGES	SF	\$40.00	0.00	\$ 0
4. REMOVAL OF EXISTING BRIDGE	SF	\$10.00	16896.00	\$ 168,960
5. BOX CULVERTS	LS	LUMP SUM	LUMP SUM	\$ 0
SUBTOTAL: C				\$ 1,276,660

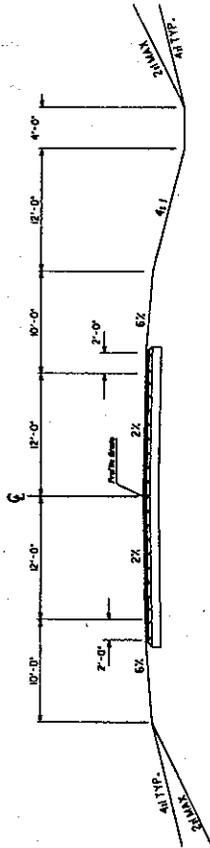
D. GRADING, DRAINAGE AND EROSION CONTROL:				
1. EARTHWORK				
a. Permanent Borrow:	CY	\$4.00	10699.03	\$ 42,796
b. Permanent Excavation:	CY	\$6.00	0.00	\$ 0
c. Detour Borrow:	CY	\$4.00	0.00	\$ 0
d. Detour Excavation:	CY	\$6.00	0.00	\$ 0
			SUBTOTAL: D-1	\$ 42,796
2. DRAINAGE:				
a. Cross Drain Pipe	LS	LUMP SUM	LUMP SUM	\$ 0
b. Curb and Gutter	FT	\$12.00	0.00	\$ 0
c. Longitudinal System	FT	\$0.00	0.00	\$ 0
			SUBTOTAL D-2	\$ 0
3. TEMPORARY EROSION CONTROL:				
a. Silt Fence - Type A	FT	\$2.50	1,964.89	\$ 4,912
b. Straw Bales or Silt Fence - Type B	FT	\$2.25	3955.63	\$ 8,900
c. Silt Fence - Type C	FT	\$4.75	504.92	\$ 2,398
d. Temporary Grass	LB	\$37.00	59.20	\$ 2,191
e. Temporary Mulch	TN	\$500.00	5.92	\$ 2,960
f. Silt Control Gates	EA	\$650.00	4.00	\$ 2,600
g. Check Dams/ Ditch Checks	EA	\$300.00	0.00	\$ 0
h. Sediment Basins	EA	\$6,000.00	0.00	\$ 0
			SUBTOTAL: D-3	23,961
4. PERMANENT EROSION CONTROL:				
a. Concrete Ditch Paving	SY	\$30.00	0.00	\$ 0
b. Permanent Soil Reinforcing Mat	SY	\$6.75	2423.79	\$ 16,361
c. Bituminous Treated Roving	SY	\$2.75	4847.58	\$ 13,331
d. Rip Rap for Bridge End Rolls	SY	\$38.00	512.49	\$ 19,474
e. Erosion Blankets or Mats	SY	\$2.50	768.73	\$ 1,922
f. Permanent Grassing	AC	\$1,595.00	7.89	\$ 12,591
			SUBTOTAL: D-4	\$ 63,678
			SUBTOTAL: D	\$ 130,436

E. BASE AND PAVING:				
1. PERMANENT ROADWAY				
a. Aggregate Base	TN	\$16.00	4886.36	\$ 78,182
b. Surface	TN	\$38.50	622.11	\$ 23,951
c. Binder	TN	\$36.50	829.47	\$ 30,276
d. Base	TN	\$38.00	2488.42	\$ 94,560
e. Leveling	TN	\$39.25	272.00	\$ 10,676
f. Tack Coat	GAL	\$1.10	904.88	\$ 995
g. Approach Slabs	SY	\$105.50	253.33	\$ 26,727
			SUBTOTAL: E-1	\$ 265,367
2. DETOUR ROADWAY				
a. Aggregate Base	TN	\$16.00	0.00	\$ 0
b. Surface	TN	\$38.50	0.00	\$ 0
c. Binder	TN	\$36.50	0.00	\$ 0
d. Leveling	TN	\$39.25	0.00	\$ 0
e. Tack Coat	GAL	\$1.10	0.00	\$ 0
f. Approach Slabs	SY	\$105.50	0.00	\$ 0
			SUBTOTAL: E-2	\$ 0
			SUBTOTAL: E	\$ 265,367
F. LUMP ITEMS:				
1. TRAFFIC CONTROL				
	LS	LUMP SUM	LUMP SUM	\$ 90,414
2. CLEARING AND GRUBBING				
	AC	\$10,150.00	9.69	\$ 98,315
			SUBTOTAL: F	\$ 188,729
G. MISCELLANEOUS:				
1. FENCING AND SIGNING				
a. Fencing	LF	\$12.50	0.00	\$ 0
b. Signs & Posts	EA	\$215.34	31.00	\$ 6,676
c. Signals	EA	\$37,000.00	0.00	\$ 0
			SUBTOTAL: G-1	\$ 6,676
2. STRIPING				
a. 5 In White Solid	LF	\$260.00	1.14	\$ 297
b. 5 In Yellow Solid	LF	\$262.00	1.14	\$ 299
			SUBTOTAL: G-2	\$ 596

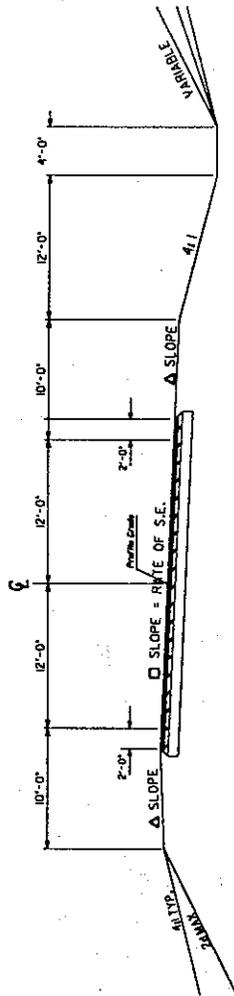
3. GUARDRAIL				
a. Type W	LF	\$12.25	4172.42	\$ 51,112
b. Type T	LF	\$50.00	82.58	\$ 4,129
c. Type 12 Anchors	EA	\$1,500.00	2.00	\$ 3,000
d. Type 1 Anchors	EA	\$435.00	2.00	\$ 870
e. Removal	LF	\$7.52	593.27	\$ 4,463
		SUBTOTAL: G-3		\$ 63,574
		SUBTOTAL: G		\$ 70,846

ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	\$ 15,600
B. REIMBURSABLE UTILITIES	\$ 0
CONSTRUCTION	
C. MAJOR STRUCTURES	\$ 1,276,660
D. GRADING, DRAINAGE AND EROSION CONTROL	\$ 130,436
E. BASE AND PAVING	\$ 265,367
F. LUMP ITEMS	\$ 188,729
G. MISCELLANEOUS	\$ 70,846
CONTINGENCIES (10%)	\$ 193,204
SUBTOTAL CONSTRUCTION COST	\$ 2,125,241
E. & C. (10%)	\$ 212,524
INFLATION (5% PER YEAR)	\$ 645,881
NUMBER OF YEARS	5
TOTAL CONSTRUCTION COST	\$ 2,983,646
GRAND TOTAL PROJECT COST	\$ 2,999,246

STATE	PROJECT NUMBER	DRAWING
GA.	BRST-2418(6)	



TYPICAL ROADWAY SECTION



SUPERELEVATED SECTION

- SLOPE 1/2"/1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
 - △ SLOPE 1/4"/1'-0" OR RATE OF S.E. WHICHEVER IS GREATER
- ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.08'/FT



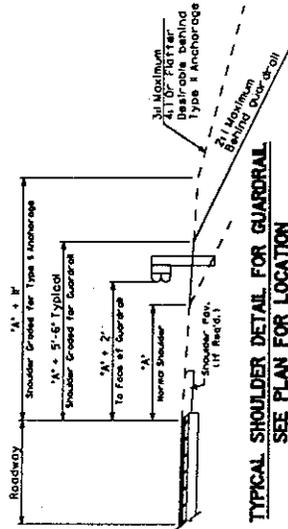
HNTB
 BIG BRIDGE WORK ORDER SERVICES
 WORK ORDER #21
 S. R. 94 OVER SUMMICOKE CREEK

HNTB
 900 CHOLEY DRIVE
 ATLANTA, GEORGIA 30338

DATE	REVISED	DATE	REVISED

GEORGIA
 DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 PROJECT: 442987
 COUNTY: CLINGHOLES

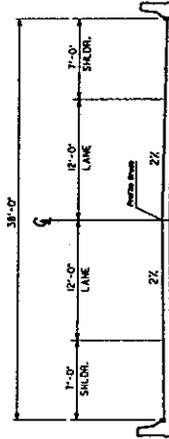
DRAWING No.



TYPICAL SHOULDER DETAIL FOR GUARDRAIL
 SEE PLAN FOR LOCATION

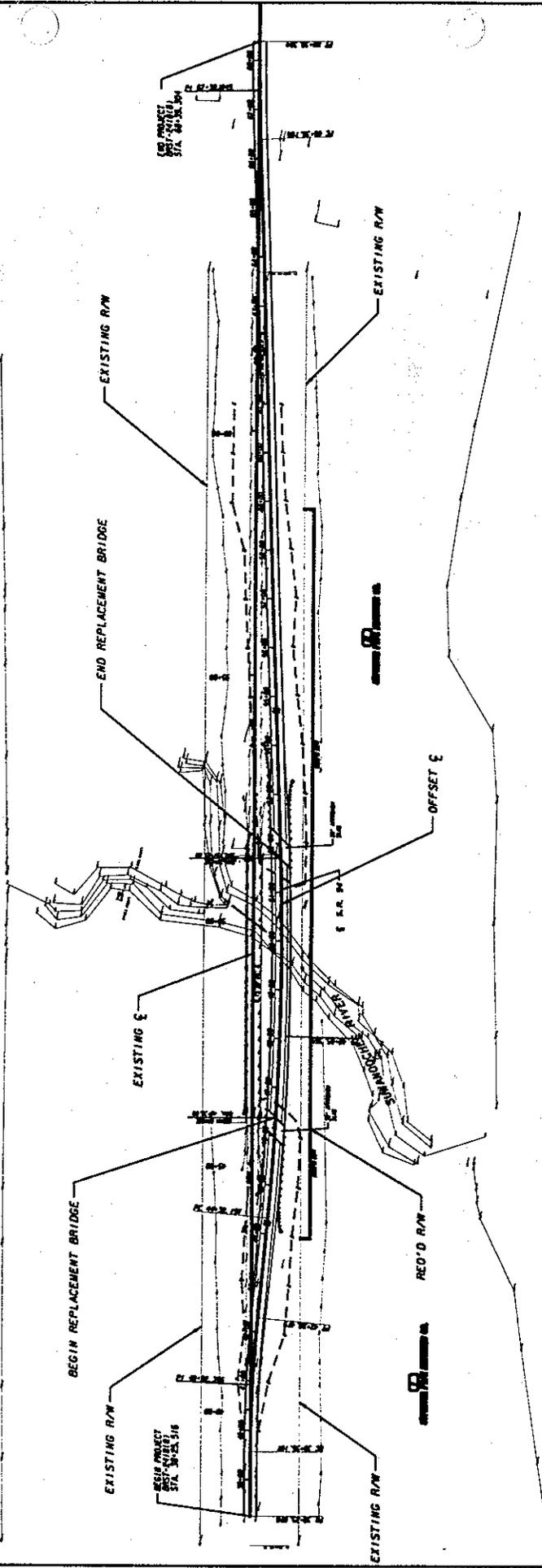
SLOPE	CONTROLS
CUT	1:1
FILL	2:1
OVER 10 FEET HIGH	2:1

*REQUIRES GUARDRAIL



TYPICAL BRIDGE SECTION

STATE	PROJECT NUMBER
GA.	BSF-2418(2)



DRAWING No.
GEORGIA
DEPARTMENT OF TRANSPORTATION
CONCEPT PLAN
 PROJECT: 442987
 COUNTY: CLINCH/ECHOLS

DATE	REVISED	DATE	REVISED


 400 CIRCLE 75 FIVE
 SUITE 550
 ATLANTA, GEORGIA 30339

HNTB
 BRIDGE WORK ORDER SERVICES
 WORK ORDER # 21
 S.R. 84 OVER SUMMAGEE


 SCALE 1" = 100'

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 101-0016-0

Echols County

SUFF. RATING: 41.0

Programming Data

201 Project No: F-088-1 (2)
 202 Plans Available: 1
 249 Prop. Proj No: BRST-2418 (8)
 250 Approval Status: 0000
 251 P.I. No: 442987
 252 Contract Date: 02/01/2005
 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: 001200 Year: 2019

Measurements

* 29 ADT: 000800 Year: 1999
 109 % Trucks: 13
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0055
 * 49 Structure Length: 528
 51 Br. Rdwy. Width: 26.0
 52 Deck Width: 32.0
 * 47 Tot. Horiz. Cl: 26.0
 50 Curb/Sdewik Width: 2.0/2.0
 32 Approach Rdwy Width: 023
 * 229 Shoulder Width:

Rear Lt: 8.0 Type: 8 Rt: 8.0
 Fwd Lt: 8.0 Type: 8 Rt: 8.0
 Pymnt Width:

Rear: 23.3 Type: 2
 Fwd: 23.3 Type: 2

Intersection Rear: 0 Fwd: 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: 7.0
 Deck Thick Approach: 7.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 115.0
 212 Year Last Painted: Sup: 1990 Sub: 1990

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0111.9 Year: 1972
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0095.0
 Drainage Area: 00000
 Area of Opening: 005010
 113 Scour Critical: 6
 216 Water Depth: 04.0 Br Height: 18.7
 222 Slope Protection: 6
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 2 Diver: WCS

* Location I.D. No: 101-00094D-036.10E
 * XReferen I.D. No: 000-000000-000.000

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: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 6
 60C Underwater Condition: 6
 71 Waterway Adequacy: 6
 61 Channel Protection Cond: 5
 68 Deck Geometry: 5
 69 UnderCl. 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

Report Date: 03/23/2001

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

File: Bridge Replacement: S.R. 94 over Suwanoochee Creek
BRST-2418(8), Echols/Clinch County
P.I. No. 442987

From: James R. Chambers, State Consultant Design Engineer

To: Distribution

Subject: Minutes of Concept Meeting
Big Bridge W.O. #21

The Concept Meeting for the S.R. 94 over Suwanoochee 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 the project.
- Mr. Sheffield suggested that the first proposed curve be flattened to two degrees.
- Mr. Gay noted an error in the Needs and Purpose statement regarding the distance from Fargo.
- Mr. Giddens noted utilities on the project: Alltel and Georgia Power.
- Mr. Burns noted a stream in the southwest quadrant about 90 feet from the existing roadway.

- Mr. Gay proposed an alternate that would extend the project to an existing curve within the Fargo city limits.
- Mr. Gay noted that there were no reported accidents from 1995 to 1998.
- Mr. Gaskins provided LGPA's from Echols County and Clinch County.
- Mr. Gaskins noted that this project is programmed for '02 R/W and '03 for construction.
- Mr. Sheffield approved the alignment as shown, but asked that HNTB investigate Mr. Gay's alternate and provide a cost.



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, CLINCH County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRST-2418(8) ECHOLS CO., PI # 442987-:

BRIDGES

SR 94 @ SUWANNOOCHEE CREEK APP 3.5 MI E OF JCT SR 89

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.

Just No 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.

Just No 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.

NOTE: A similar agreement has been sent to ECHOLS County.

This 29 day of July, 19 99

APPROVED

John W. Strickland Chairman

City/County Official





Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

July 12, 1999

WAYNE SHACKELFORD
COMMISSIONER
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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-2418(8) ECHOLS CO., PI # 442987-:

BRIDGES

SR 94 @ SUWANNOOCHEE CREEK APP 3.5 MI E OF JCT SR 89

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.

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.

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.

NOTE: A similar agreement has been sent to CLINCH County.

This 22 day of December, ~~19~~ 2000

APPROVED Walter Rumsos

City/County Official



NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: BRST-2418(8) CLINCH/ECHOLS COUNTIES
P. I. NO. 442987

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-2418(8) Clinch/Echols Counties proposes the replacement of the structurally deficient bridge at State Route 94 over Suwanoochee Creek. The bridge is located at the Clinch/Echols County Line.

State Route 94 is a rural minor arterial in the southern part of the state. The current bridge on S.R. 94 over Suwanoochee Creek has a structural evaluation rating of 2 and a sufficiency rating of 41.0 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-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

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-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

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-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

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. Keller Jr.

State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

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

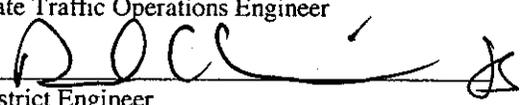
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 8-07-01


District Engineer

DATE _____

Project Review Engineer

DATE _____

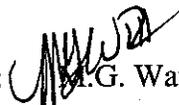
State Bridge Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

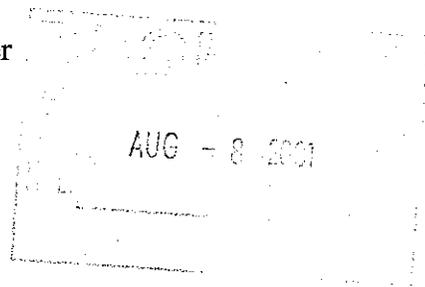
File: BRST-2418 (8) / Clinch/Echols County
P.I. No. 442987

Office: Traffic Operations
Atlanta, Georgia
Date: August 3, 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 94 over Suwanoochee Creek. This project is located 1.25 miles west of Fargo.

The existing structure is 32 feet wide with a sufficiency rating of 41.0. The concept proposes to construct a new structure 38 feet wide for the two-lane roadway. The current ADT is 550 vehicles and the design year ADT is projected to be 900 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-2418(8)
County: Clinch/Echols
P. I. Number: 442987

Federal Route Number: N/A
State Route Number: 94

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 Helton

State Traffic Operations Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Design Engineer