

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-7532-00(950) Douglas County **OFFICE** Preconstruction
P. I. No. 753295
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
Steve Henry
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-7532-00(950) Douglas County **OFFICE** Preconstruction
P.I. No. 753295 **DATE** August 13, 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 widening and rehabilitation of a narrow and functionally deficient bridge on CR 815/Anneewakee Road over Anneewakee Creek, 4.8 miles southeast of Douglasville. The existing bridge (132' x 24') has a sufficiency rating of 59 and a design load of HS-20. The bridge is in good condition structurally, needing only minor repairs to the caps at bents 2 and 3, deck joint seals, and paint on the superstructure. County Road 815 at this location consists of a rural two lane roadway with 12' travel lanes and rural shoulders. County Road 815/Anneewakee Road is included in the Atlanta Regional Commissions (ARC) bicycle and pedestrian for future bike lanes. Traffic is projected to be 5,500 VPD and 10,000 VPD in the years 2003 and 2023 respectively. The posted speed and the design speed is 45 MPH.

The construction proposes to widen the existing bridge over Anneewakee Creek to 40' to provide a 24' roadway with 8' shoulders. There will be 4' bike lanes and rumble strips within the 8' shoulders. Repairs to the caps at Bents 2 and 3, deck joint seals, and paint on the superstructure will be done as part of this project. Traffic will be maintained during construction.

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)	\$612,000	\$1,000,000	2002	02-03
Right-of-Way & Utilities*	Local	Local		

*LGPA sent 12-12-00 requesting Douglas County do right-of-way, utilities, detours, and 20% of construction costs.

Frank L. Danchetz

Page 2

STP-7532-00(950) Douglas

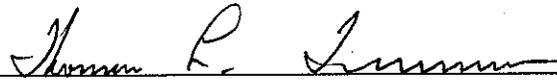
August 13, 2001

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

CWH:JDQ/cj

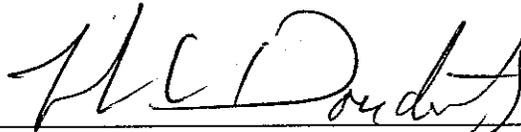
Attachment

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: STP-7532-00(950) Douglas
P.I. Number 753295-

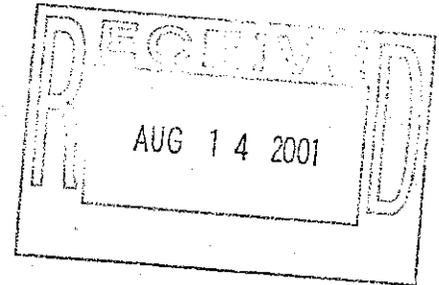
OFFICE: Engineering Services

DATE: August 13, 2001

FROM:  David Mulling, Project Review Engineer

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted August 7, 2001 by the letter from Stephen T. Henry dated July 24, 2001, and have the following comment:

1. The estimated costs for reimbursable utilities and right of way were not provided.

The costs for the project are:

Construction	\$532,000
Inflation	\$ 27,000
E&C	\$ 56,000
Reimbursable Utilities	\$?
Right of Way	\$?

DTM

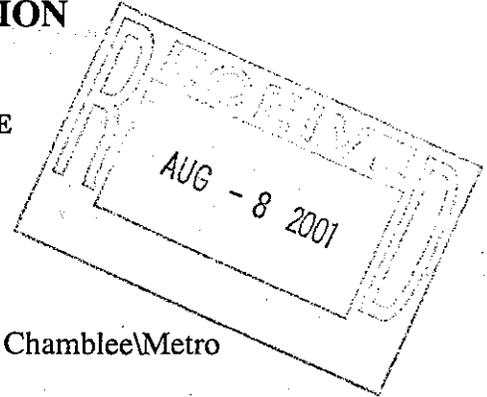
c: Steve Henry – Attention: Gerald Ford

SCORING RESULTS AS PER MOG 2440-2

Project Number: STP-7532-00(950)		County: DOUGLAS		PI No.: 753295-	
Report Date: 7/24/01		Concept By: DOT Office: DISTRICT 7			
<input checked="" type="checkbox"/> CONCEPT		Consultant: N/A			
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	90%	Estimated costs for reimbursable utilities & r/w not provided.			
Judgement	100%				
Environmental	100%				
Right of Way	100%				
Utility	100%				
Constructability	100%				
Schedule	100%				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE



FILE: STP-7532-00(950), Douglas
C.R. 815/Anneewakee Rd. @ Anneewakee Creek
P.I. # 753295

OFFICE: Chamblee\Metro

DATE: July 24, 2001

FROM: *JHP* Stephen T. Henry, District 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 for approval in accordance with the PDP.

If you have any questions in regards to this concept, please contact Gerald Ford at (770) 986-1050.

MWFJKP\jlw

cc: Marta Rosen
David Mulling
Harvey Keeper
Paul Liles
Marion Waters
Herman Griffin

~~File~~

LA

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District Seven

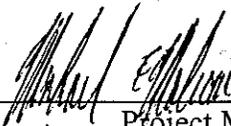
Project Number: STP-7532-00(950)
County: Douglas
P. I. Number: 753295

Federal Route Number: None
State Route Number: None
County Route Number: 815

*CR 815/Anneewakee Rd. @ Anneewakee Creek
Location Map: See page 2*

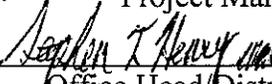
Recommendation for approval:

DATE 08-03-01



Project Manager

DATE 08-03-01



Office Head/District Engineer

The 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 Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Design Engineer

PROJECT LOCATION MAP

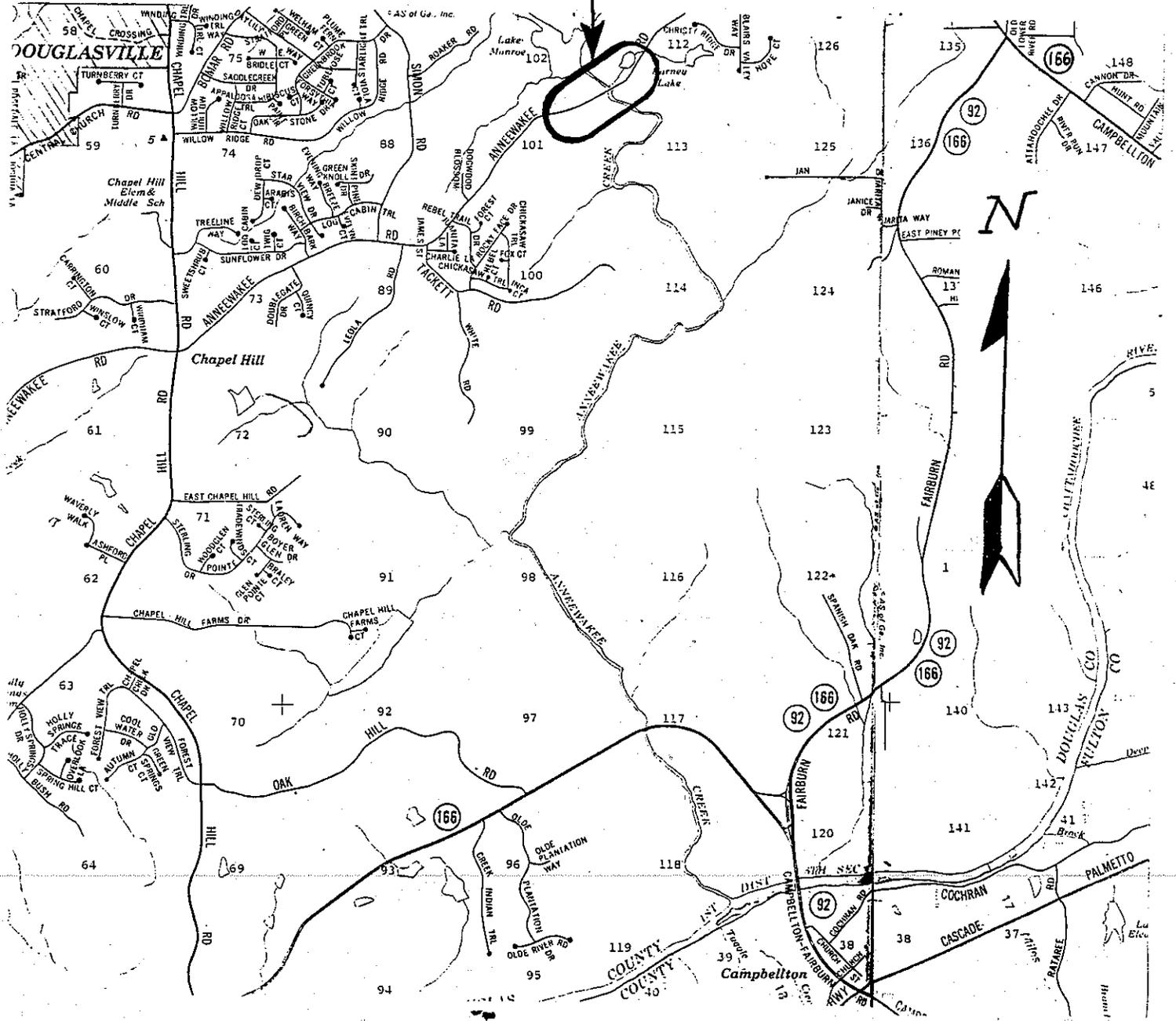
Project Concept Report
Project: STP-7523-00 (950)

P.I. Number: 753295

County: Douglas

Description: C.R. 815/ Annewakee Rd. @ Annewakee Creek
Bridge Replacement

PROJECT LOCATION



PROJECT CONCEPT REPORT
STP-7532-00 (950)
P.I. NO: 753295

PROJECT NEED AND PURPOSE

C.R. 815/ Anneewakee Road in Douglas County is classified as an urban collector street, it runs northeasterly between Chapel Hill Road south of Douglasville to S.R. 92/ Fairburn Road and crosses Anneewakee Creek approximately 2.1 miles from Chapel Hill. Anneewakee Road is included in the ARC (Atlanta Regional Commissions) Bicycle and Pedestrian Plan for future bike lanes. The existing bridge is a 24-ft wide X 132-ft long concrete/steel structure and carries two lanes of traffic. The existing roadway approaches are 24 ft. wide with 5-ft to 8-ft. grassed and partially paved shoulders. The posted speed limit is 45 mph and traffic volumes are 2003 ADT = 5,500 and 2023 ADT = 10,000. Anneewakee Road is on a County school bus route.

The existing bridge structure was constructed in 1963 and consists of concrete bents, steel beam superstructure, and a concrete deck. The bridge structure has a sufficiency rating of 59.8 and a design load of HS-20, which is equal to or above the legal load limit. The bridge is in good condition structurally, needing only minor repairs to the caps at bents 2 & 3, deck joint seals and paint on the superstructure. The bridge is functionally deficient due to the narrow width and should be widened to 40 ft. to provide a 24 ft. roadway and 8 ft. shoulders. There will be 4-ft. bike lanes and rumble strips within the 8-ft shoulders. Traffic would be maintained by stage construction on the existing bridge.

The purpose of this project is to widen and rehabilitate the existing structure to bring it up to current departmental design standards, thus improving the structural and operational deficiencies as well as increasing the overall safety of this roadway.

Project Concept Report page 4
Project Number: STP-7532-00(950)
P. I. Number: 753295
County: Douglas

Need and Purpose: (see previous sheet)

Description of the proposed project: The project proposes to rehabilitate and widen the current bridge as per recommendations of the bridge survey data sheet and to satisfy current departmental design standards.

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

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

Functional Classification: Minor urban Collector Street

U. S. Route Number(s): None

State Route Number(s): None

Traffic (AADT):

Current Year: (2003) 5500 Design Year: (2023) 10000

Existing design features:

- Typical Section: Two 12 ft. lanes with 5 ft. grassed shoulders.
- Posted speed: 45 mph Maximum degree of curvature: 1°
Maximum grade: 5 % (List mainline, cross roads, and driveways)
- Width of right of way: 80 ft.
- Major structures: Concrete bridge with steel support.
- Major interchanges or intersections along the project: Anneewakee Creek
- At Mile Point Reference: At Bridge 2.09

Proposed Design Features:

- Proposed typical section(s): Two 12 ft. lanes and 8 ft. rural shoulders
- Proposed Design Speed Mainline: 45 mph
- Proposed Maximum grade Mainline: 3.5 % Maximum grade allowable: 9.5 %.
- Proposed Maximum grade Side Street: N/A % Maximum grade allowable: N/A %.
- Proposed Maximum grade driveway: 11 %
- Proposed Maximum degree of curve: 3.3° Maximum degree allowable: 1.5°
- Right of way:
 - Width: 80 ft.
 - Easements: Temporary (), Permanent (X), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (X), Other ().
 - Number of parcels: 5 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges: The bridge will be 132 ft. x 40 ft. with 8 ft. shoulders.
- Major intersections and interchanges: Anneewake Creek
- Traffic control during construction: Stage construction
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()	()	(X)
ROADWAY WIDTH:	()	()	(X)
SHOULDER WIDTH:	()	()	(X)
VERTICAL GRADES:	()	()	(X)
CROSS SLOPES:	()	()	(X)
STOPPING 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: Permits required for section 404. There are no known possible locations of hazardous waste at the time.

- Level of environmental analysis:
 - Are Time Saving Procedures appropriate? Yes (X), No ()
 - Categorical exclusion (X)
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ()
- Utility involvement's: Local Government

Project responsibilities:

- Design, Department of Transportation
- Right of Way Acquisition, Douglas County
- Relocation of Utilities, Douglas County
- Letting to contract, Department of Transportation
- Supervision of construction, Department of Transportation
- Providing material pits, Department of Transportation/ Contractor
- Providing detours. N/A

Coordination

- No Initial Concept Meeting.
- Concept meeting date and brief summary. Attach minutes.
- P. A. R. meetings, dates and results. N/A
- FEMA, USCG, and/or TVA: None
- Public involvement: N/A
- Local government comments. None
- Other projects in the area. None
- Other coordination to date. None

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 6 Months.
- Time to complete preliminary construction plans: 8 Months.
- Time to complete right of way plans: 8 Months.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 8 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: 0 Months.

Other alternates considered: 1) Build as outlined in report; 2) Build New Bridge;
3) No build

Comments: Alternate 2 was not chosen because the existing bridge is in overall good condition and with a sufficiency rating of 59.8, replacement would not qualify for federal funding. However, there is a need to rehabilitate the existing bridge as per Bridge Condition Survey. The No Build was not considered.

Project Concept Report page 7
Project Number: STP-7532-00(950)
P. I. Number: 753295
County: Douglas

Attachments:

1. Cost Estimates:
2. Typical sections,
3. Bridge inventory Data Sheet
4. Location and Design Notice
5. Bridge Condition Survey Letter
6. Traffic Data Letter
7. Concept Team Meeting Minutes

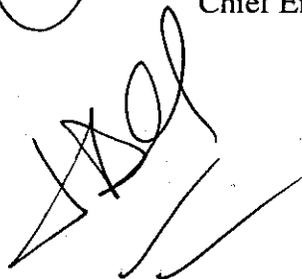
Approvals, Exempt projects:

Concur: _____

Director of Preconstruction

Approve: _____

Chief Engineer

A handwritten signature in black ink, appearing to be 'J. J. ...', is written over the signature line for the Chief Engineer.

PRELIMINARY COST ESTIMATE

**BRIDGE REHABILITATION
C.R. 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

Project Number: STP-7532-00(950)
County: DOUGLAS
P. I. Number: 753295
Project Length: 0.14 miles

A. RIGHT-OF-WAY		
	SUBTOTAL	<u>LGPA</u>
B. REIMBURSABLE UTILITIES		
	SUBTOTAL	<u>LGPA</u>
C. MAJOR STRUCTURES		
1. BRIDGES		\$ 261,400.00
	SUBTOTAL	<u>\$ 261,400.00</u>
D. GRADING AND EARTHWORK		
1. EARTHWORK		
a. GRADING COMPLETE		\$ 100,000.00
		<u>\$ 100,000.00</u>
E. DRAINAGE		
1. DRAINAGE		
a. STORM DRAIN PIPES		
1000 FT of 18 IN dia @ \$27.50/LF		\$ 27,000.00
b. SIDE DRAIN PIPE		
c. MINOR STRUCTURES		
4 Catch Basins @ \$1,800/ea		\$ 7,200.00
	SUBTOTAL	<u>\$ 34,200.00</u>
F. BASE & PAVING		
1. GRADED AGGREGATE BASE		
920 Tons @ \$12.50 / ton		\$ 11,050.00
2. ASPHALT PAVING		
a. 12.5 mm Superpave		
132 Tons @ \$36.00 / ton		\$ 4,752.00
b. 19 mm Superpave		
176 Tons @ \$36.00 / ton		\$ 6,336.00
c. 25 mm Superpave		
264 Tons @ \$37.00 / ton		\$ 9,768.00
3. LEVELING		
0 Tons @ \$38.00 / ton		\$ -
4. TACK		
168 gal @ \$.91 / ton		\$ 153.00
5. AGGREGATE SURFACE COURSE		
17 TONS @ \$18.64		\$ 317.00
	SUBTOTAL	<u>\$ 32,376.00</u>

PRELIMINARY COST ESTIMATE

**BRIDGE REHABILITATION
C.R. 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

G. CONCRETE WORK

1. CURB AND GUTTER	\$0.00
2. APPROACH SLABS	
178.00 SY @ 93.00/sq yd	\$16,554.00
3. SIDEWALKS	\$0.00
4. MISCELLANEOUS	\$0.00
25 SY @ 25.00/sq yd	\$625.00
SUBTOTAL	\$17,179.00

**H. LIGHTING/SIGNING/STRIPING/SIGNAL
PERMANENT SIGNS & STRIPING**

SUBTOTAL	\$5,000.00
	\$5,000.00

I. GUARDRAIL

100 FT TY W-BEAM @ 11.88/FT	\$1,188.00
300 FT TY T-BEAM @ 37.11/FT	\$11,113.00
2 ANCHORS TY 1 @ 453.56	\$908.00
2 ANCHORS TY 12 @ 1645.12	\$3,291.00
SUBTOTAL	\$16,500.00

J. LUMP ITEMS

1. TRAFFIC CONTROL	\$ 5,000.00
2. CLEARING & GRUBBING	
2 ACRES @ \$5,000/ACRE	\$10,000
3. LANDSCAPING AND GRASSING	
1 ACRES @ \$4,000/ACRE	\$4,000
4. EROSION CONTROL	
1 ACRES @ \$4,000/ACRE	\$4,000
SUBTOTAL	\$ 23,000.00

K. MISCELLANEOUS

1. SILT FENCE/BALED STRAW	\$ 3,750.00
2. FIELD OFFICE	\$ 38,453.00
SUBTOTAL	\$ 42,203.00

TOTAL ESTIMATE	\$531,858.00
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PRELIMINARY COST ESTIMATE SUMMARY

**BRIDGE REHABILITATION
CR 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

Project Number: STP-7532-00-(950)

County: DOUGLAS

P. I. Number: 753295

Project Length: 0.14 miles

A. RIGHT-OF-WAY		LGPA
B. REIMBURSABLE UTILITIES		LGPA
C. MAJOR STRUCTURES	\$	261,400.00
D. GRADING AND EARTHWORK	\$	100,000.00
E. DRAINAGE	\$	34,200.00
F. BASE & PAVING	\$	32,376.00
G. CONCRETE WORK	\$	17,179.00
H. LIGHTING/SIGNING/SIGNAL	\$	5,000.00
I. GUARDRAIL	\$	16,500.00
J. LUMP ITEMS	\$	23,000.00
K. MISCELLANEOUS	\$	42,203.00
	SUBTOTAL CONSTRUCTION COST \$	531,858.00
	INFLATION (5% PER YEAR @ 1 YR) \$	26,592.90
	E & C (10%) \$	53,185.80
	TOTAL CONSTRUCTION COST \$	611,636.70

PRELIMINARY COST ESTIMATE

**BRIDGE REPLACEMENT (Alternative 2)
C.R. 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

Project Number: STP-7532-00(950)

County: DOUGLAS

P. I. Number: 753295

Project Length: 0.14 miles

A. RIGHT-OF-WAY			
	SUBTOTAL		<u>LGPA</u>
B. REIMBURSABLE UTILITIES			
	SUBTOTAL		<u>LGPA</u>
C. MAJOR STRUCTURES			
1. BRIDGES		\$	343,200.00
2. BRIDGE REMOVAL		\$	105,600.00
	SUBTOTAL	\$	<u>448,800.00</u>
D. GRADING AND EARTHWORK			
1. EARTHWORK			
a. GRADING COMPLETE		\$	<u>100,000.00</u>
		\$	<u>100,000.00</u>
E. DRAINAGE			
1. DRAINAGE			
a. STORM DRAIN PIPES			
1000 FT of 18 IN dia @ \$27.50/LF		\$	27,000.00
b. SIDE DRAIN PIPE			
c. MINOR STRUCTURES			
4 Catch Basins @ \$1,800/ea		\$	<u>7,200.00</u>
	SUBTOTAL	\$	<u>34,200.00</u>
F. BASE & PAVING			
1. GRADED AGGREGATE BASE			
920 Tons @ \$12.50 / ton		\$	11,050.00
2. ASPHALT PAVING			
a. 12.5 mm Superpave			
132 Tons @ \$36.00 / ton		\$	4,752.00
b. 19 mm Superpave			
176 Tons @ \$36.00 / ton		\$	6,336.00
c. 25 mm Superpave			
264 Tons @ \$37.00 / ton		\$	9,768.00
3. LEVELING			
0 Tons @ \$38.00 / ton		\$	-
4. TACK			
168 gal @ \$.91 / ton		\$	153.00
5. AGGREGATE SURFACE COURSE			
17 TONS @ \$18.64		\$	<u>317.00</u>
	SUBTOTAL	\$	<u>32,376.00</u>

PRELIMINARY COST ESTIMATE

**BRIDGE REPLACEMENT (Alternative 2)
C.R. 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

G. CONCRETE WORK		
1. CURB AND GUTTER		\$0.00
2. APPROACH SLABS		
178.00 SY @ 93.00/sq yd		\$16,554.00
3. SIDEWALKS		\$0.00
4. MISCELLANEOUS		\$0.00
25 SY @ 25.00/sq yd		\$625.00
	SUBTOTAL	<u>\$17,179.00</u>
H. LIGHTING/SIGNING/STRIPING/SIGNAL PERMANENT SIGNS & STRIPING		
	SUBTOTAL	<u>\$5,000.00</u> \$5,000.00
I. GUARDRAIL		
100 FT TY W-BEAM @ 11.88/FT		\$1,188.00
300 FT TY T-BEAM @ 37.11/FT		\$11,113.00
2 ANCHORS TY 1 @ 453.56		\$908.00
2 ANCHORS TY 12 @ 1645.12		\$3,291.00
	SUBTOTAL	<u>\$16,500.00</u>
J. LUMP ITEMS		
1. TRAFFIC CONTROL		\$ 5,000.00
2. CLEARING & GRUBBING		
2 ACRES @ \$5,000/ACRE		\$10,000
3. LANDSCAPING AND GRASSING		
1 ACRES @ \$4,000/ACRE		\$4,000
4. EROSION CONTROL		
1 ACRES @ \$4,000/ACRE		\$4,000
	SUBTOTAL	<u>\$ 23,000.00</u>
K. MISCELLANEOUS		
1. SILT FENCE/BALED STRAW		\$ 3,750.00
2. FIELD OFFICE		\$ 38,453.00
	SUBTOTAL	<u>\$ 42,203.00</u>
	TOTAL ESTIMATE	<u>\$719,258.00</u>

PRELIMINARY COST ESTIMATE SUMMARY

**BRIDGE REPLACEMENT (Alternative 2)
CR 815/ANNEEWAKEE ROAD @ ANNEEWAKEE CREEK**

Project Number: STP-7532-00-(950)

County: DOUGLAS

P. I. Number: 753295

Project Length: 0.14 miles

A. RIGHT-OF-WAY		LGPA
B. REIMBURSABLE UTILITIES		LGPA
C. MAJOR STRUCTURES	\$	448,800.00
D. GRADING AND EARTHWORK	\$	100,000.00
E. DRAINAGE	\$	34,200.00
F. BASE & PAVING	\$	32,376.00
G. CONCRETE WORK	\$	17,179.00
H. LIGHTING/SIGNING/SIGNAL	\$	5,000.00
I. GUARDRAIL	\$	16,500.00
J. LUMP ITEMS	\$	23,000.00
K. MISCELLANEOUS	\$	42,203.00
SUBTOTAL CONSTRUCTION COST		\$ 719,258.00
INFLATION (5% PER YEAR @ 1 YR)		\$ 35,962.90
E & C (10%)		\$ 71,925.80
TOTAL CONSTRUCTION COST		\$ 827,146.70

1---- 1: LOCATION AND GEOMETRIC DATA

25-SEP-2000

BRIDGE IN DOUGLAS COUNTY	SERIAL NUMBER	: 5038-0 22550330
----- FACILITY CARRIED -----	YEAR CONSTRUCTED	: 1963
ANNEEWAKEE ROAD	YEAR RECONSTRUCTED:	None
----- LOCATION -----	DATE INSEPECTED	: October 1999
4.8 MI SE OF DOUGLASVILLE	DESIGN LOAD	: H-20
----- FEATURES INTERSECTED -----	NATIONAL TRUCK RTE:	OFF NETWORK
ANNEEWAKEE CREEK	SCHOOL BUS ROUTE	: YES

TYPE SERVICE ON : Highway
 TYPE SERVICE UNDER: Waterway.
 STRUCTURE : Steel Stringer Multi-beam; Girder
 SURFACE : Concrete.
 DECK : Concrete
 MAIN SUPPORT: Steel
 SUBSTRUCTURE: Concrete
 FOUNDATION : Spread footing.

---- 2: SIGNS AND ATTACHMENT DATA

GUARDRAIL REAR : Right side only.
 GUARDRAIL FORWARD : None.
 GUARDRAIL REAR OPP DIR: None.
 GUARDRAIL FOR. OPP DIR: None.

---- 3: PROGRAMMING DATA

CONTRACT DATE : 02/01/01
 RANKING NUMBER : 0 Priority rating
 TOTAL PROJECT COST: \$504,000 (1990 IMPROVEMENT COST ESTIMATE)
 LAST PROJECT # : UNKNOWN
 PROPOSED PROJECT #: STP-7532-00 (950)
 PROPOSED WORK : Widen; deck rehabilitation or replacement.
 RECONSTRUCT. STATUS: Not eligible for Federal Bridge Replacement Funds.

---- 4: HYDRAULIC DATA

SCOUR CRITICAL: Scour calculations not yet made

---- 5: MEASUREMENT DATA

NUMBER OF LANES ON: 2 UNDER: 0
 STRUCTURE LENGTH : 132 FT BRIDGE ROADWAY WIDTH: 24.0 FT
 CLEARANCE (FT-IN) : OVER: 99-99 UNDER: 00-00 HORIZONTAL: 24.0 FT
 SIDEWALK OR CURB : 2.0 FT (LT) 2.0 FT (RT)
 BRIDGE RAILING : Meets acceptable construction date standards.
 APPROACH GUARDRAIL: Safety feature required; none provided.

---- 6: RATING DATA

INVENTORY : Indefinite safe use HS loading of 29 tons.
 OPERATING : Equal to or above legal load limit.
 SUFFICIENCY : 59.8
 STRUCTURE : Better than minimum adequacy to allow being left in place.
 DECK : GOOD, some minor problems.
 MAIN SUPPORT: SATISFACTORY, structural elements show minor deterioration.
 SUBSTRUCTURE: FAIR, sound primary elements, possible minor defects.
 SCOUR : TRIVIAL - small and almost unnoticable scoure.
 CHANNEL PROT: Minor damage and drift, minor repair needed.

---- 7: POSTING DATA

STRUCTURE POSTED : Open; no weight restriction.
 TEMPORARY POSTING: No temporary conditions exist.
 ACTUAL POSTINGS : [H: NP TONS] [TRI: NP TONS] [3S2: NP TONS]

Notice of Location and Design Approval

Project Number STP-7532-00 (950)

Douglas County

P.I. # 753295

Notice is hereby given in compliance with the Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This Project is located in the 1st district 5th section, land lots 101, 112, & 113, in the 783 Georgia Military District approximately 4.8 miles SE of the city of Douglasville.

This project proposes to retain, widen, and rehabilitate the existing 132 ft. long X 24 ft. wide bridge. The existing bridge needs to be widened with 8 ft. rural shoulders on both sides. The existing bridge deck/surface will be rehabilitated, and the completed bridge will carry 2 – 12 ft. lanes with 8 ft. rural shoulders including concrete parapet walls. Guardrail will be added to each end of the bridge to provide for safety. The project is approximately 382 ft long and is included in the Atlanta Regional Commissions (ARC) Bike Lane Program.

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:

Kevin Vinson
Kevin.Vinson@dot.state.ga.us
940 Virginia Ave. Hapeville, Ga. 30354

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:

Stephen T. Henry
Georgia Department of Transportation
District 7
5025 New Peachtree Road
Chamblee, GA 30341
(770) 986-1050

Any written request to this notice SHOULD include the PROJECT AND PI NUMBERS AS NOTED AT THE TOP OF THIS NOTICE AND may be referred to:

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-7532-00(950), Douglas County **OFFICE** Atlanta-Maintenance
 Anneewakee Road @ Anneewakee Creek
DATE April 26, 2001

FROM Brian Summers, P.E., State Bridge Maintenance Engineer

TO Stephen T. Henry, District Engineer
 Attn: James K. Phillips

SUBJECT Bridge Condition Survey
 Structure ID 097-5038-0 / Location ID 097-00815X-002.09E
 CR 815, Anneewakee Road over Anneewakee Creek

This bridge structure was surveyed and found to be in overall good condition and is considered suitable for widening. However, several items were noted during the field survey which require special attention. These items should be considered for inclusion into the widening project of this structure.

Those following items require special consideration:

- **Joint leakage** : The deck joints should be thoroughly cleaned and sealed with Evazote.
- **Utility** : A water line is located on the left side and a sewer and gas line is located on the right side. These utilities will conflict with the widening and will require relocation. The hangers for the water and sewer lines are welded to the exterior beams and will require careful removal not to damage the beams.
- **Paint** : The "Lead Base" paint system on the superstructure has failed. The structural steel throughout the bridge should be thoroughly cleaned and painted with System VII paint system.
- **Cap repair** : The cap at bent #2 rear under beam #3 and at bent #3 rear under beam #3 has spalled. These spalls are approximately 3 square feet at each location and should be repaired.

If any additional information is required, please contact Dale Hogan of this office at (404) 635-8192.

BKS/bdh

cc Jerry Cooper, Area 9 Bridge Inspector

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-7532-00(950), Douglas OFFICE Environment/Location
P.I.# 753295
DATE October 17, 2000

FROM Harvey D. Keeper, State Environmental/Location Engineer

TO Steve Henry, P.E., District Engineer, Chamblee
Attn. Key Phillips

SUBJECT Traffic Data for CR 815/Anneewakee Rd. @ Anneewakee Creek

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

2003 ADT = 5500
2022 ADT = 10000
3 K = 12%
D = 60%
T = 3%
24 Hr. T = 5%
S.U. = 3%
Comb. = 2%

HDK/RGL

CONCEPT TEAM MEETING MINUTES

STP-7532-00(950), Douglas County

C.R. 815/Anneewakee Road Bridge Rehabilitation @ Anneewakee Creek

On June 26, 2001, a Concept Team Meeting for above referenced project was held in the District 7 conference room. The following persons were in attendance:

Key Phillips	Office of Preconstruction
Gerald Ford	Office of Preconstruction
Chris Woods	Office of Preconstruction
Lowell James	Office of Preconstruction
Gail A. D'Avino	Office of Environmental Location
Michelle Brouillitte	Office of Environmental Location
Clyde Cunningham	Office of Utilities
Pam Black	Office of Right of Way
Kevin A. Vinson	GDOT Area 3
Carolyn Westbrook	Douglas County Public Works
Mike McBrier, P.E.	Douglas County Public Works
Jamie Collins	CEI Engineering

The following items were discussed during the meeting:

1. Key Phillips opened the meeting by reading through the concept report. While discussing the bridge survey, Mr. Phillips called attention to the widening of the bridge (24ft.), consisting of two 12ft. lanes, and 8ft. shoulders with bike lanes.
2. Mike McBrier noted that in the Concept Report's Need and Purpose (page 4), it stated that the bridge included 8ft. shoulders and an additional 4ft. for bike lanes. Mr. McBrier believed that the verbiage was unclear. It was verified that the bike lane would be within the 8-ft. shoulder. The fourth sentence in the Need and Purpose will be revised to indicate that the bike lanes are within the shoulders.
3. Through further discussion of the bike lanes and shoulders, it was concluded that the roadway typical section in Concept Report should be revised to show 6.5 ft. paved shoulders with bike lanes & rumble strips.
4. Key Phillips stated that his office was proposing stage construction. Mr. Phillips sited that staging should not be difficult because the proposal is widen only on the south side of the bridge. Mike McBrier concurred.
5. Key Phillips informed the attendees that widening the bridge would shift the centerline 8ft. south of the existing center line across the bridge.
6. Carolyn Westbrook requested that the Key Phillips investigate the curve located east of the bridge in hopes to improve that curve, which she stated had caused numerous problems. Mr. Phillips agreed to explore the idea, but noted that the problem area of the curve appeared to be a considerable distance from the bridge.

7. Key Phillips stated that he anticipated having 5 or 6 R/W parcels and an adequate amount of permanent easement for construction and maintenance of slope.
8. Clyde Cunningham stated that there were no problems or conflicts with any utilities. He then gave the names of the utility companies in the project area.
9. Carolyn Westbrook requested cost estimates for Utilities and Right of Way. Clyde Cunningham and Pam Black stated that the cost estimates for the County would be provided.
10. Michelle Brouillitte noted that in the concept report (page 5) under environmental concerns listed water quality and TVA. She informed the preconstruction office that TVA should not be listed here, as it does not apply to this project (it applies only to projects located within the Tennessee River Valley). Also, Water Quality should not be listed in this section because it is not a permit. Section 404 USACE Nationwide permit is all that should be listed under permits.
11. Michelle Brouillitte informed Douglas County that they would be responsible for acquiring any Right of Way needed for mitigation of stream or wetland impacts, if required.
12. Mike McBrier asked Key Phillips if the preconstruction office would provide Right of Way plats, deeds and erosion control. Both Pam Black and Mr. Phillips assured Mr. Brier that those items would be provided.

These minutes have been prepared based upon the notes and recollections of the author. Any corrections should be brought to his immediate attention.

Notes prepared by: Lowell O. James

Cc: Attendees

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District Seven

Project Number: STP-7532-00(950)

County: Douglas

P. I. Number: 753295

Federal Route Number: None

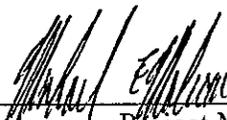
State Route Number: None

County Route Number: 815

*CR 815/Anneewakee Rd. @ Anneewakee Creek
Location Map: See page 2*

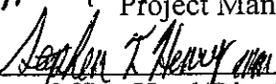
Recommendation for approval:

DATE 08-03-01



Project Manager

DATE 08-03-01



Office Head/District Engineer

The 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 Environmental/Location Engineer

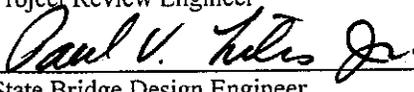
DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE 8/8/01



State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

District Seven

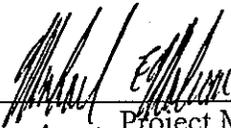
Project Number: STP-7532-00(950)
County: Douglas
P. I. Number: 753295

Federal Route Number: None
State Route Number: None
County Route Number: 815

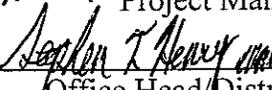
CR 815/Anneewakee Rd. @ Anneewakee Creek
Location Map: See page 2

Recommendation for approval:

DATE 08-03-01

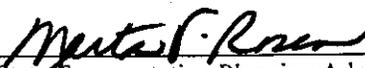

Project Manager

DATE 08-03-01


Office Head/District Engineer

The 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 8-8-01


State Transportation Planning Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE _____

Project Review Engineer

DATE _____

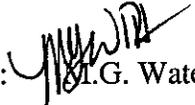
State Bridge Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

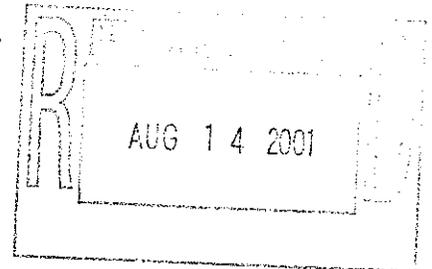
File: STP – 7532-00 (950) / Douglas County
P.I. No. 753295

Office: Traffic Operations
Atlanta, Georgia
Date: August 7, 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 CR 815/Anneewakee Road over Anneewakee Creek. This project is located east of Douglasville.

The existing structure is 24 feet wide with a sufficiency rating of 59.8. The concept proposes to construct a new structure 40 feet wide for the two-lane roadway. The current ADT is 5500 vehicles and the design year ADT is projected to be 10,000 vehicles. The proposed bridge width is in accordance with MOG 4265-09 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
Stephen Henry, District Engineer – Chamblee
Attention: Gerald Ford, District Design
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**

District Seven

Project Number: STP-7532-00(950)
County: Douglas
P. I. Number: 753295

Federal Route Number: None
State Route Number: None
County Route Number: 815

*CR 815/Anneewakee Rd. @ Anneewakee Creek
Location Map: See page 2*

Recommendation for approval:

DATE 08-03-01 _____
DATE 08-03-01 _____
Michael E. Miller
Project Manager
Stephen T. Henry
Office Head/District Engineer

The 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 Environmental/Location Engineer
DATE 8/10/01 _____
Marion S. Slaton
State Traffic Operations Engineer
DATE _____
Project Review Engineer
DATE _____
State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District Seven

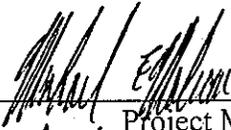
Project Number: STP-7532-00(950)
County: Douglas
P. I. Number: 753295

Federal Route Number: None
State Route Number: None
County Route Number: 815

*CR 815/Anneewakee Rd. @ Anneewakee Creek
Location Map: See page 2*

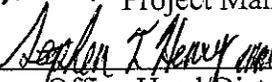
Recommendation for approval:

DATE 08-03-01



Project Manager

DATE 08-03-01



Office Head/District Engineer

The 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

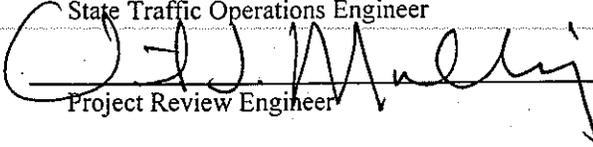
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Operations Engineer

DATE 8/13/01



Project Review Engineer

DATE _____

State Bridge Design Engineer