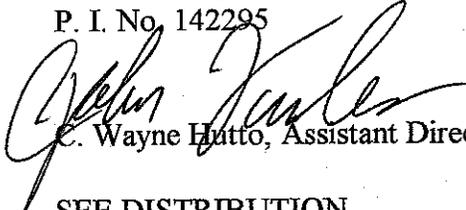


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1308(11) Walton County **OFFICE** Preconstruction
P. I. No. 142295
DATE July 15, 2002
FROM  C. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

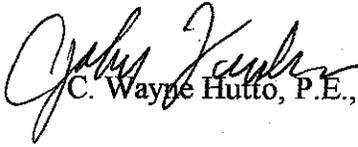
David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Larry Dent
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1308(11) Walton County **OFFICE** Preconstruction
P.I. No. 142295

DATE July 2, 2002

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

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

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 81 over Alcovy River, 1.0 miles southwest of Bold Springs, Georgia. The existing bridge, constructed in 1955, is load limited with a sufficiency rating of 48. State Route 81 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 81 is functionally classified as a rural major arterial and is a designated bike route. Traffic is projected to be 8,600 VPD and 15,500 VPD in the years 2007 and 2027 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 81 south of its present location, extending a total of 0.68 mile. The proposed new bridge will be 180' x 44' and will be located just south of the existing bridge structure. The relocated SR 81 will consist of two, 12' lanes with 10' rural shoulders. The 10' shoulder consists of a 6.5' paved bike lane and rumble strip and a 3.5' grassed shoulder. 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; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,524,000	\$1,100,000	2006	FY-06
Right-of-Way	\$ 300,000	\$ 10,000		
Utilities*	LGPA	LGPA		

*Walton County signed LGPA for utilities 8-17-99.

Frank L. Danchetz

Page 2

BRST-1308(11) Walton

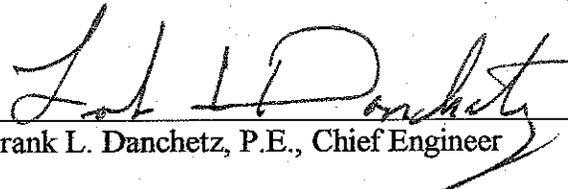
July 2, 2002

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

CWH:JDQ/cj

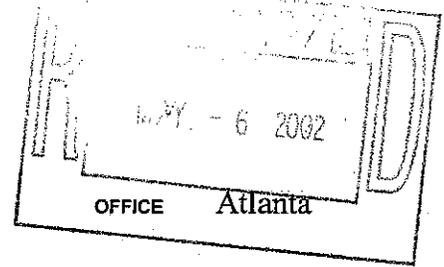
Attachment

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

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE **BRST-1308(11) Walton County**
SR 81 over Alcovy River 2 mi SW of Bold Springs
P.I. No. 142295-

FROM *James B. Buchan, M.E.A.*
James B. Buchan, State Consultant Design Engineer

DATE May 2, 2002

TO Wayne Hutto, Assistant Director of Preconstruction



SUBJECT **PROJECT CONCEPT REPORT**

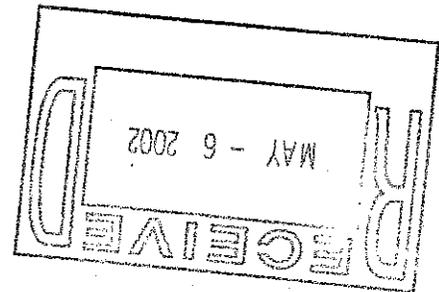
Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

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

If you have any questions or require further information please call Ted Cashin at (404)463-6135 or Carol Bowler of Wilbur Smith Associates at (770) 936-8650.

Distribution:

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



JBB
JBB:MBA:EJC

cc: Wilbur Smith Associates

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

State Route Number: 81

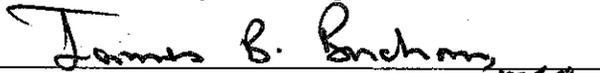
Recommendation for approval:

DATE 5-2-02

DATE 5-2-02



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 Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

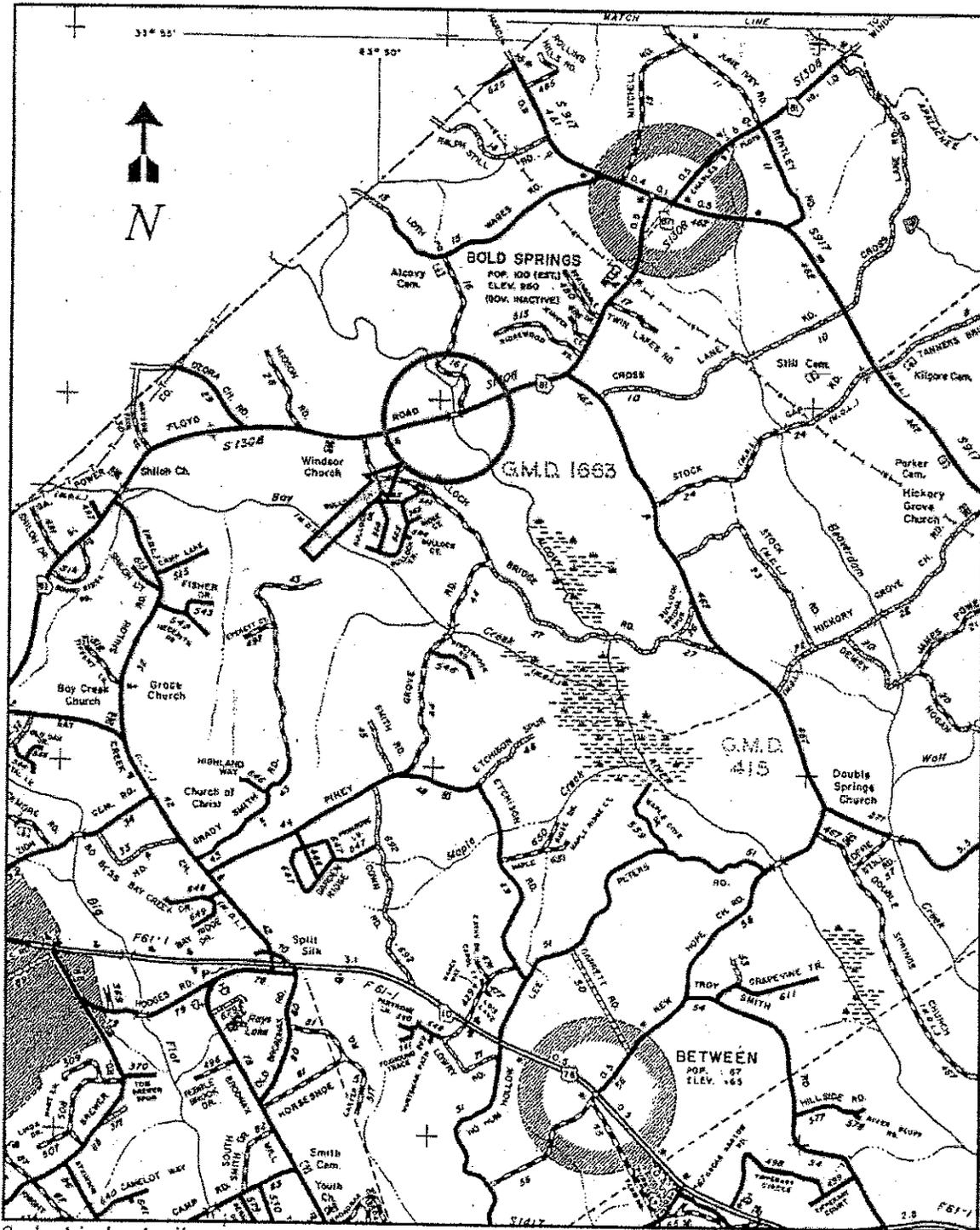
DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

Project Concept Report page 2
Project Number: BRST-1308 (11)
P. I. Number: 142295
County: Walton



Scale: 1 inch = 1 mile

Location Map

Project: BRST-1308(11) Walton County PI No.: 142295-
Description: SR 81 over Alcovy River 2 mi SW of Bold Springs

Project Concept Report page 3
Project Number: BRST-1308 (11)
P. I. Number: 142295
County: Walton

Need and Purpose: The proposed project BRST-1308(11), will replace the structurally deficient SR 81 bridge over the Alcovy River with structurally adequate bridges to improve the operation and safety of this section of S.R. 81. See the attached Need and Purpose Statement.

Description of the proposed project: Project BRST-1308(11) is a bridge replacement project proposing the replacement of the existing, substandard bridge where SR81 crosses the Alcovy River in Walton County. The proposed bridge will consist of two 12' travel lanes and two 6.5' bike lanes. The project length is approximately 3200 feet (0.61 miles). The GDOT road inventory mile post nearest the project is 016.39. From this mile post the begin, (016.46) and ending, (017.07) mile point references of the project were calculated. Project BRST-1308(11) is approximately 2 miles southwest of Bold Springs.

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

PDP Classification: Major _____ Minor

PDP Designation: Full Oversight (), Exempt(), State Funded(), or Other ()

Functional Classification: Rural Major Arterial

U. S. Route Number(s): NA State Route Number(s): 81

Traffic (AADT):
Current Year: (2007) 8600 Design Year: (2027) 15500

Existing design features:

- Typical Section: Two lane rural section consisting of two 12' travel lanes and 3.2' shoulders.
- Posted speed: 45/55 mph Maximum degree of curvature: 2° 00'
- Maximum grade: 7.9 %
- Width of right of way: Varies from 40' to 130'.
- Major structures: An existing 29.7' wide bridge. (The existing bridge consists of six spans @ 27'-0" for a total of 162' with a sufficiency rating of 48.6).

Project Concept Report page 4
 Project Number: BRST-1308 (11)
 P. I. Number: 142295
 County: Walton

- Major interchanges or intersections along the project: None.
- Existing length of roadway segment: 3843' (0.73mi) and the beginning mile log is 016.39.

Proposed Design Features:

- Proposed typical section(s): One 12' travel lane with a 12' shoulder in each direction. The 12' shoulder consists of a 6.5' paved bike lane and a 5.5' grassed shoulder.
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 6.0 % Maximum grade allowable 6.0 %.
- Proposed Maximum grade Side Street 10 % Maximum grade allowable 10 %.
- Proposed Maximum grade driveway 14.5 %
- Proposed Maximum degree of curve 2° 00' Maximum degree allowable 6° 00'.
- Right of way
 - Width Varies 140' to 290' total.
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other ().
 - Number of parcels: 13 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges: The proposed bridge will have a 44'-0" gutter to gutter width, consisting of two 12'-0" travel lanes, two 10'-0" outside shoulders. The bridge is expected to be approximately 180' long.
 - Retaining walls: (None)
- Major intersections and interchanges: (None)
- Traffic control during construction: Two-way traffic will be maintained on the existing bridge while the proposed offset bridge is under 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)

Project Concept Report page 5.
Project Number: BRST-1308 (11)
P. I. Number: 142295
County: Walton

- Design Variances: (None anticipated)
- Environmental concerns: (Nationwide 404 with PCN anticipated)
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No ()
 - Categorical exclusion: (CE Anticipated)
 - Environmental Assessment/Finding of No Significant Impact(FONSI) Yes (), No (X)
 - Environmental Impact Statement (EIS) Yes (), No (X)
- Utility Involvements:
 - Telephone:
 - Power:
 - Gas:
 - Cable TV:
 - Water:

Project responsibilities:

- Design, Wilbur Smith Associates
- Right of Way Acquisition, GDOT District 1
- Relocation of Utilities, Walton County is responsible for reimbursable utilities. LGPA signed 8/17/99.
- Letting to contract, GDOT Office of Contract Administration
- Supervision of construction, GDOT District 1
- Providing material pits, Contractor
- Providing detours, N/A

Coordination

- Concept meeting date and brief summary. Attach minutes. (To be attached in future).
- P. A. R. meetings, dates and results: (None anticipated).
- FEMA: (FEMA involvement anticipated).
- Public involvement: (No public involvement).
- 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: 3 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: 2 Months.
- Time to complete final construction plans: 3 Months.

Project Concept Report page 6
Project Number: BRST-1308 (11)
P. I. Number: 142295
County: Walton

- Time to complete to purchase right of way: 6 Months.
- List other major items that will affect the project schedule: None - 0 Months.

Other alternates considered: (1) Build proposed bridge on same location of the existing bridge with temporary off site detour; (2) Build proposed bridge parallel and offset from existing, abandon or demolish existing bridge; (3) No Build; (4) Build temporary detour bridge adjacent to existing bridge. Remove existing bridge and build proposed bridge while traffic is diverted to temporary detour bridge.

Comments: Alternate (1) was eliminated due to the lengthy off site detour routes available, (17 miles to the north and 12 miles to the south). Alternate (3) was eliminated due to long term maintenance cost of structurally deficient bridge. Alternate (4) was eliminated due to additional cost of building 2 bridges as opposed to building one as well as the fact that the close proximity of the existing power poles to the existing roadway would likely constitute a costly utility conflict; Alternate (2) is selected for this concept in an effort to minimize utility and R/W impacts, enhance public safety, and for a more cost effective project.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
 - d. Detour Bridge
2. Need and Purpose Statement
3. Traffic Counts Letter
4. Typical Sections
5. Bridge Inventory
6. Flexible Pavement Design Analysis
7. Notice of Location and Design Approval
8. Concept Team Meeting Minutes and Attendance Sheet (To be provided in future).

PROJECT COSTS FOR ALTERNATE #2 (parallel alignment with no detour)

DATE: June 6, 2002

PREPARED BY: VAJ of Wilbur Smith Associates

PROJECT NO.: BRST-1308 (11)

P.I. NO.: 142295

LENGTH: 3600 feet (0.68 miles)

PROJECT DESCRIPTION: SR 81 over Alcovy River bridge replacement

PROPOSED CONCEPT: Build proposed 180 ft. x 44 ft. bridge offset to the south and parallel to the existing bridge. Roadway approaches will consist of two 12 ft. travel lanes with 10 ft. shoulders. Ten ft. shoulders consist of a 6'-6" paved bike lane shoulder and a 3'-6" grassed shoulder.

EXISTING ROADWAY: State Route 81

TRAFFIC: Existing: 8,600 ADT (2007) Design: 15,500 ADT (2027)

() PROGRAMMING PROCESS (x) CONCEPT DEVEL. () DURING PROJ DEVEL.

PROJECT COSTS

A. Right Of Way	7.8	ACRES	@	\$38,462		\$300,000.00
					Subtotal	\$300,000.00
B. Utilities					Lump Sum By Locals	\$0.00
					Subtotal	\$0.00
C. Clearing and Grubbing	8.9	ACRES	@	\$5,000.00	ACRES	\$44,500.00
					Subtotal	\$44,500.00
D. Earthwork						
Grading Complete					LS	\$217,256.15
Embankment	34,214	CU YD				
Excavation	92,336	CU YD				
					Subtotal	\$217,256.15
E. Base and Paving						
G.A.B. 12"	7,452	TONS	@	\$12.65	TON	\$94,267.80
1 1/2" Superpave	1,526	TONS	@	\$35.42	TON	\$54,059.78
2" Superpave	2,035	TONS	@	\$34.26	TON	\$69,719.10
4" Superpave	4,070	TONS	@	\$34.83	TON	\$141,758.10
Leveling	1017.5	TONS	@	\$35.09	TON	\$35,704.08
Tack Coat	2,590	GAL	@	\$0.84	GAL	\$2,175.60
					Subtotal	\$397,684.45

F. Drainage

Longitudinal System

24" Storm Drain Pipe	200 LF		@	\$30.94 FT		\$6,188.00
<u>Drainage Structures</u>						
Catch Basins GP I	0	EA	@	\$1,762.00	EA	\$0.00
Catch Basins GP II	2	EA	@	\$1,815.31	EA	\$3,630.62
					Subtotal	\$9,818.62

G. Concrete Work

Curb & Gutter TP 2	530	LF	@	\$10.34	LF	\$5,480.20
Valley Gutter, 8 in	0	SQ YD	@	\$40.58	SQ YD	\$0.00
Class B Pvmnt Widen	0	CU YD	@	\$139.61	CU YD	\$0.00
Conc. Sidewalk, 4 in	0	SQ YD	@	\$25.75	SQ YD	\$0.00
					Subtotal	\$5,480.20

H. Traffic Control

	1	LS	@	\$100,000	LS	\$100,000.00
					Subtotal	\$100,000.00

I. Erosion Control

	0.68	MI	@	\$80,000	MI	\$54,400.00
					Subtotal	\$54,400.00

J. Signs, Striping, Signals & Lighting

Signing & Marking	0.68	MI	@	\$32,000	MI	\$21,760.00
	0					
Traffic Signals	0	EA	@	\$50,000	EA	\$0.00
					Subtotal	\$21,760.00

K. Grassing/Landscaping

Grassing	1.6	ACRES	@	\$600	ACRES	\$960.00
					Subtotal	\$960.00

L. Miscellaneous

Field Engineers Office	1	EA	@	\$48,740.68	EA	\$48,740.68
Fencing	0	LF	@	\$17.90	LF	\$0.00
Right of Way Markers	20	EA	@	\$74.54	EA	\$1,490.80
					Subtotal	\$50,231.48

M. Major Structures

Bridge Removal 23.7' x 162'		EA	@			\$37,657.00
Bridge New 44' x 180'		EA	@			\$316,800.00
		EA	@			
					Subtotal	\$354,457.00

ESTIMATE SUMMARY

1. Right of Way	\$300,000.00
2. Reimbursable Utilities	\$0.00

Construction Cost Summary

3. Clearing and Grubbing	44,500.00
4. Earthwork	217,256.15
5. Base & Paving	397,684.45
6. Drainage	9,818.62
7. Concrete Work	5,480.20
8. Traffic Control	100,000.00
9. Erosion Control	54,400.00
10. Sign, Striping, Signals & Lighting	21,760.00
11. Grassing/Landscaping	960.00
12. Miscellaneous	50,231.48
13. Bridges	354,457.00
C. Total Construction Estimate	1,256,547.90
D. 2 year of Inflation @ 5.00%	128,796.16
E. 10% E & C	138,534.41
F. Total Construction Estimate	1,523,878.47
Grand Total Project Cost	1,823,878.47

NEED AND PURPOSE
PROJECT BRST-1308(11), WALTON COUNTY
P.I. NO 142295
Bridge Replacement
SR 81 Bridge over Alcovy River

The proposed project, Bridge project BRST-1308(11), will replace the functionally obsolete SR 81 bridge over Alcovy River. The two-lane bridge is functionally classified as a major arterial, was constructed in 1955 and is a designated bike route. The project would replace the current 29 foot wide bridge with a 44-foot bridge. The desired width is based on Georgia MOG 4265-10. This project is not associated with any other projects and has independent utility. The 1999 AADT is 6,050 vehicles, which includes school bus traffic. Traffic in 2027 is projected at 15,500 AADT.

This project does not disproportionately burden or benefit any particular community. The Census for Walton County shows that 19.1 % of the residents are from a minority group and 13.6% of residents are below the poverty level. The project is considered to be a benefit to all of the communities that use the bridge because of the improved bridge condition.

The Structural Evaluation Rating for the bridge is a 4 and the Sufficiency Rating is a 48.6. Rather than improve a structure with a Sufficiency Rating below 50, the Department currently schedules the bridge for replacement. The Structural Evaluation Rating is on a scale of 0-9 with 2 being the lowest rating for an operable bridge. A zero requires closing the bridge and a 2 requires replacement. In accordance with MOG 2450-1, the Structural Evaluation Rating and the Sufficiency Rating of the bridge requires the bridge be replaced.

RECEIVED

Department of Transportation
State of Georgia

DEC 10 2001

WILBUR SMITH ASSOCIATES
ATLANTA, GA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-1308(11) Walton
P.I. 142295

OFFICE Environment/ Location

DATE August 8, 2001

FROM Harvey D. Keepler, State Environmental/ Location Engineer

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

SUBJECT SR 81 @ Alcovy River

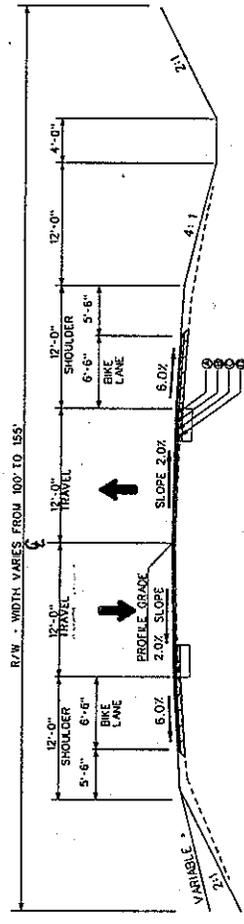
We are furnishing estimated traffic assignments for the above project as follows:

Existing 1999 ADT = 6050
2007 ADT = 8600
2027 ADT = 15500
K = 9%
D = 60%
T = 8%
24 HR T = 10%
SU = 5%
COMB = 5%

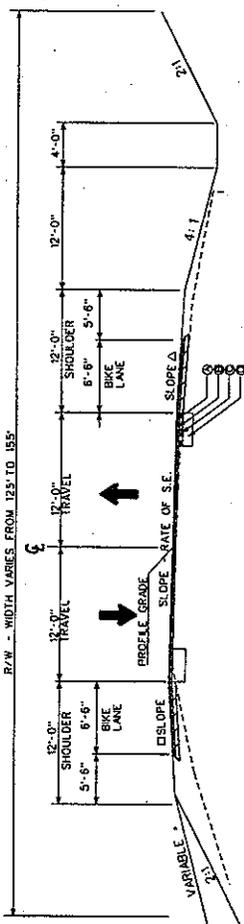
If you have any questions concerning this information please contact
Teresa Williamson at (404)699-4458

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-1308111	7	2

SLOPE CONTROLS	
SLOPE	FILL
4:1	0'-0" OVER 10'
3:1	OVER 10'
	ALL



TYPICAL SECTION #1
 APPLIES TO: STA. 100+00.00 TO STA. 105+04.04
 STA. 137+87.94 TO STA. 138+50.00



TYPICAL SECTION #2
 APPLIES TO: STA. 105+04.04 TO STA. 115+22.02
 STA. 131+25.93 TO STA. 137+87.94

ALLOWABLE RANGES TABLE
 FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:

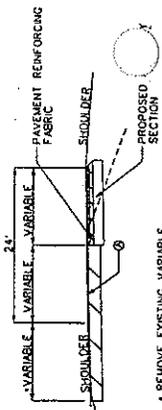
A. NORMAL CORNER	SECTION WITH GRADES LESS THAN 0.5%	0.050 FEET - MINIMUM	0.150 FEET - MAXIMUM
	SECTION WITH GRADES 0.5% OR GREATER	0.050 FEET - MINIMUM	0.050 FEET - MAXIMUM
B. SUPERELEVATION RATE	S.F. RATE SHOWN ON PLANS OR S.E. RATE EXISTING IN FIELD, WHICHEVER IS GREATER.	1:100	1:100
C. SUPERELEVATION TRANSITION LENGTH	LENGTH FROM FLAT POINT TO FULL SET CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT	0.67X	0.50X
	LENGTH SHALL BE SET TO AVOID CREATING A FLAT OUTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.	1:100	1:100
D. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES	50% OF TRANSITION INSIDE CURVE - MAXIMUM	50% OF TRANSITION INSIDE CURVE - MINIMUM	
	NOTE: CROWN W/PE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.		
E. SHOULDERING OF BOOMS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION	SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (11 FEET) EQUAL TO THE SPEED DESIGN (IN MPH).		

REQUIRED PAVEMENT:

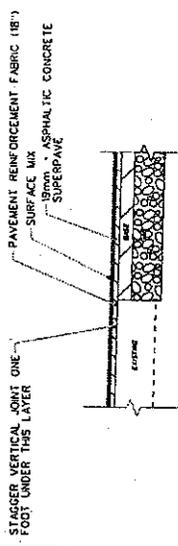
- ⓐ RECYCLED ASPH CONC. (1 1/2") 12.5mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LBS/SY) - SUPERPAVE LEVEL B
- ⓑ RECYCLED ASPH CONC. (2") 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LBS/SY) - SUPERPAVE LEVEL B
- ⓒ RECYCLED ASPH CONC (4") 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LBS/SY) - SUPERPAVE LEVEL B
- ⓓ GR AGGREGATE BASE CRS, 12 INCH, INCL MATL

NOTE: ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E. AS FOR ASPHALT, CONCRETE FOR CONCRETE, AND GR FOR GRANUL OR EARTH, EXCEPT AS NOTED ON PLANS. THE DEPTH OF THE MATERIALS WILL BE AS FOLLOWS:

- RESIDENTIAL: 12" MM SUPERPAVE, 165 LB/1/4" GR AGGREGATE BASE
 - COMMERCIAL: 19" MM SUPERPAVE, 220 LB/1/4" GR AGGREGATE BASE
 - RESIDENTIAL: 6" OF CONCRETE
 - COMMERCIAL: 8" OF CONCRETE
 - ALL TYPES: 4" OF GRADED AGGREGATE BASE
- CONCRETE DRIVEWAYS:
 ALL GRAVEL/DIRT DRIVEWAYS ARE TO BE PAVED TO EITHER THEIR RESPECTIVE T.I.E. POINT OR THE RIGHT OF WAY LINE (WHICHEVER IS LESS) WITH A MINIMUM PAVING DISTANCE OF 5' FROM THE BACK OF CURB.



WIDENING AND OVERLAY DETAIL



PAVEMENT REINFORCEMENT FABRIC DETAIL

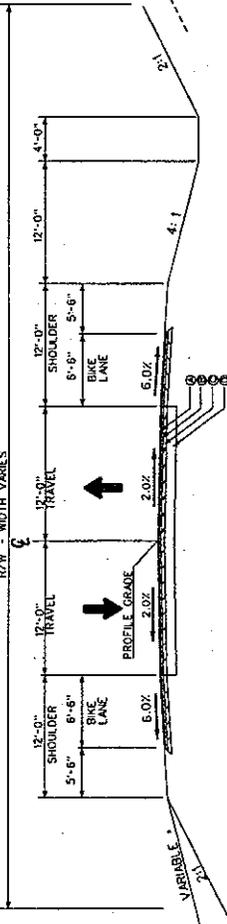
STATE OF GEORGIA
 DEPARTMENT OF TRANSPORTATION
TYPICAL SECTION
 PROJECT - BRST-1308111
 COUNTY - WALTON
 DATE 02/25/02 SH 1 OF 2

WILBUR SMITH ASSOCIATES
 2220 BRADYTRINE ROAD, SUITE 220
 ATLANTA, GEORGIA 30341 (770) 536-8650

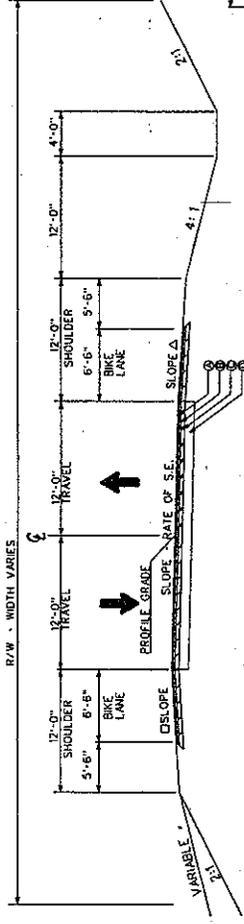
DATE	REVISIONS	DATE	REVISIONS

NOT TO SCALE

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BRST-1308(11)	2	2



TYPICAL SECTION #3
 APPLIES TO: STA. 115+22.02 TO STA. 123+85.99
 STA. 130+57.14 TO STA. 131+25.93



TYPICAL SECTION #4
 APPLIES TO: STA. 123+85.99 TO STA. 130+57.14

ALLOWABLE RANGES TABLE
 FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS.

SECTION WITH GRADUES 0.5% OR GREATER		SECTION WITH GRADUES LESS THAN 0.5%	
MINIMUM	0.0150 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM	0.0156 FT/FT - MINIMUM
DESIRABLE	0.0200 FT/FT - DESIRABLE	0.0200 FT/FT - DESIRABLE	0.0200 FT/FT - DESIRABLE
MAXIMUM	0.0250 FT/FT - MAXIMUM	0.0250 FT/FT - MAXIMUM	0.0250 FT/FT - MAXIMUM

A. SUPERELEVATION RATE

S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.

B. SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)

RATE OF CHANGE	CORRESPONDING DIFFERENCE IN GRADE PERCENT AND EDGE OF PAVEMENT
MINIMUM	0.6%
DESIRABLE	0.5%
MAXIMUM	0.3%

LENGTH SHALL BE SET TO AVOID CREATING A FLAT OUTER GRADE OR LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.

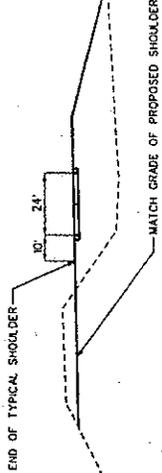
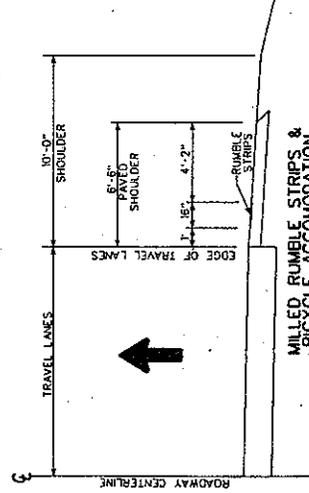
C. POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES

50% OF TRANSITION INSIDE CURVE - MAXIMUM
 33% OF TRANSITION INSIDE CURVE - DESIRABLE
 50% OF TRANSITION INSIDE CURVE - MINIMUM

NOTE: CROWN WIDE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.

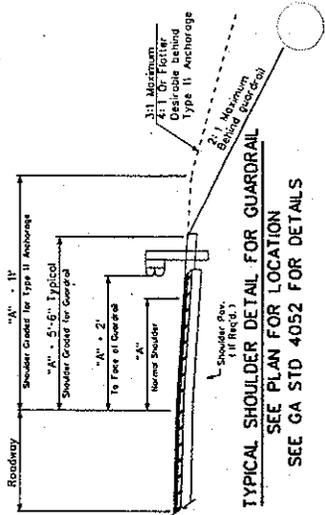
D. SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION

SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).



WIDE SHOULDER DETAIL

SLOPE CONTROLS		
SLOPE	FILL	CUT
4:1	0:10'	0:10'
OVER 10'		ALL



TYPICAL SHOULDER DETAIL FOR GUARDRAIL
 SEE PLAN FOR LOCATION
 SEE GA STD 4052 FOR DETAILS

△ RATE OF SE OR NORMAL SHOULDER SLOPE WHICH IS GREATER BUT NOT LESS THAN 6% FOR UNPAVED SHOULDERS
 □ ALGEBRAIC DIFFERENCE IN PAVING SLOPE AND SHOULDER SLOPE NOT TO EXCEED 6%.

REQUIRED PAVEMENT:

- ① RECYCLED ASPH CONC. (1 1/2") 12.5mm SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME (165 LBS/SY) - SUPERPAVE LEVEL B
- ② RECYCLED ASPH CONC. (2") 19 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LBS/SY) - SUPERPAVE LEVEL B
- ③ RECYCLED ASPH CONC (4") 25 mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (440 LBS/SY) - SUPERPAVE LEVEL B
- ④ GR AGGREGATE BASE CRS, 12 INCH., INCL MATL

USE SUPERPAVE MIX DESIGN LEVEL B

<p>WILBUR SMITH ASSOCIATES 2520 BRADYHINE ROAD, SUITE 250 ATLANTA, GEORGIA 30341 (770) 936-6650</p>	STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION TYPICAL SECTION
	PROJECT - BRST-1308(111) COUNTY - WALTON DATE 02/25/02 SH 2 OF 2
DATE REVISIONS DATE REVISIONS	DATE REVISIONS
NOT TO SCALE	

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 297-0022-0

Walton County

SUFF. RATING: 48.6

Location & Geography

* Structure I.D. No.: 297-0022-0
 * 200 Bridge Information: 06
 * 6A Feature Int.: ALCOVY RIVER
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: SR00081
 * 7B Facility Carried: SR 81
 * 9 Location: 2 M I SW OF BOLD SPRINGS
 * 2 DOT District: 1
 * 207 Year Photo: 1997
 * 91 Inspection Frequency: 24 Date: 09/14/1999
 * 92A Fract Crit Insp Freq: 0 00 Date: 0000
 * 92B Underwater Insp Freq: 0 00 Date: 0000
 * 92C Other Spec. Insp Freq: 0 00 Date: 0000
 * 4 Place Code: 00000
 * 5 Inventory Route (O/U): 1
 * Type: 3
 * Designator: 1
 * Number: 00081
 * Direction: 0
 * 16 Latitude: 33-52.9
 * 17 Longitude: 83 -49.4
 * 98 Border Bridge: 000 %Shared: 00
 * 99 ID Number: 0000000000000000
 * 100 Defense Highway: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 016.39
 * 208- Inspection Area: 02 Initials: JTB
 * Location I.D. No.: 297-00081D-017.30N
 * XReferen I.D. No: 000-000000-000.000

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No: 01308
 * 110 Truck Route: 0
 * 206 School Bus Route: 1
 * 217 Benchmark Elevation: 774.70
 * 218 Datum: 2
 * 19 Bypass Length: 5
 * 20 Toll: 3
 * 21 Maintenance: 01
 * 22 Owner: 01
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 11
 * 27 Year Constructed: 1955
 * 106 Year Reconstructed: 0000
 * 33 Bridge Median: 0
 * 34 Skew: 00
 * 35 Structure Flared: 0
 * 38 Navigation Control: 0
 * 213 Special Steel Design: 0
 * 267 Type of Paint: 2
 * 42 Type Service On: 1 Under: 5
 * 214 Movable Bridge: 00
 * 203 Type Bridge: E-N-M-O
 * 259 Pile Encasement: 1
 * 43 Structure Type Main: 4 02
 * 45 No. Spans Main: 006
 * 44 Structure Type Appr: 0 0
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horiz: 0 Vert: 1
 * 111 Pier Protection: 0
 * 107 Deck Structure Type: 1
 * 108 Wearing Surface Type: 1 Membrane: 0 Protection: 8
 * 223 Expansion Joint Type: 02
 * 242 Deck Drains: 1
 * 243 Parapet Location: 0 Height: 0 Width: 0
 * 238 Curb: 1.21
 * 239 Handrail: 11
 * 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 Delinicator: 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

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

SUFF. RATING: 48.6

Structure ID: 297-0022-0

Walton County

Programming Data

201 Project No: BA (2) 1150 (2)
 202 Plans Available: 2
 249 Prop. Proj No: BRST-1308 (11)
 250 Approval Status: 0000
 251 P.I. No: 142295
 252 Contract Date: 02/01/2005
 260 Seismic No: 00000
 75 Type Work: 34 1
 94 Bridge Imp. Cost: \$ 141
 95 Roadway Imp. Cost: \$ 46
 96 Total Imp. Cost: \$ 260
 76 Imp. Length: 000373
 97 Imp. Year: 1990
 114 Future ADT: 007650 Year: 2018

Measurements

* 29 ADT: 005100 Year: 1998
 109 % Trucks: 16
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 162
 51 Br. Rdwy. Width: 23.7
 52 Deck Width: 29.7
 * 47 Tot. Horz. Cl: 23.7
 50 Curb/Sdewlk Width: 2.0/2.0
 32 Approach Rdwy Width: 27
 * 229 Shlder Width:
 Rear Lt: 3.2 Type: 2 Rt: 3.2
 Fwd Lt: 3.2 Type: 2 Rt: 3.2
 Pwment Width:
 Rear: 21.0 Type: 2
 Fwd: 21.0 Type: 2
 Intersection Rear: 0 Fwd: 1.1
 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: 0.0
 246 Overlay Thickness: 0.0
 211 Tons Structural Steel: 21.0
 212 Year Last Painted: Sup: 1989 Sub: 1989

Ratings

66 Inventory Type: 2 Rating: 21
 64 Operating Type: 2 Rating: 33
 231 Calculated Loads
 H-Modified: 20 0
 HS-Modified: 25 0
 Type 3: 24 0
 Type 3s2: 38 0
 Timber: 35 0
 Piggyback: 40 0
 261 H Inventory Rating: 15
 262 H Operating Rating: 23
 67 Structural Evaluation: 4
 58 Deck Condition: 7
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 5
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 8
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Hydraulic Data

215 Waterway Data
 Highwater Elev: 0761.0 Year: 0000
 Flood Elev: 0000.0 Freq: 00
 Avg. Streambed Elev: 0751.8
 Drainage Area: 00058
 Area of Opening: 001030
 113 Scour Critical: 6
 216 Water Depth: 1 Br Height: 22
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover:
 Type: 0
 No Barrels: 0
 Width: 0.0
 Height: 0.0
 Length: 0
 Apron: 0
 * 265 U/W Insp. Area: 0 Diver: ZZZ

Posting Data

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

* Location I.D. No: 297-00081D-017.30N
 * XReferen I.D. No: 000-000000-000.000

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BRST-1308(11)

County: Walton

P.I. no.: 142295

Description: Bridge replacement where SR81 crosses the Alcovy River.

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 10.00%

AADT initial year of design period: 4,300 vpd (2007)

AADT final year of design period: 7,750 vpd (2027)

Mean AADT (one-way): 6,025 vpd

Design Loading

Mean AADT		LDF		Trucks		18-K ESAL		Total Daily Loads
6,025	*	1.00	*	0.100	*	1.06	=	640

Total predicted design period loading = 640 * 20 * 365 = 4,672,000

Design Data

Terminal Serviceability Index: 2.50

Soil Support: 3.00

Regional Factor: 1.80

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness mm	(in.)	Structural Coefficient	Structural Value
12.5 mm Superpave	38	(1.50)	0.0173	0.66
19 mm Superpave	54	(2.13)	0.0173	0.93
25 mm Superpave	22	(0.87)	0.0173	0.38
	83	(3.27)	0.0118	0.98
Graded Aggregate Base	305	(12.01)	0.0063	1.92
Required SN = 5.40			Proposed SN = 4.87	

>>> Proposed pavement is 9.8% Underdesign <<<

Remarks:

Prepared by Vance Jones, Design Engineer March 18, 2002
Date

Recommended State Road Design Engineer
Date

Approved Chief Engineer
Date

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-1308 (11)

P.I. No. 142295

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.

The date of location approval is **JULY 15, 2002**

This project consists of improvements to S.R. 81 over the Alcovy River in Land District number 1663, Land Lots 1, 34, 288 and 289 of Walton County, Georgia.

This project consists of the replacement of the structurally deficient bridge on S.R. 81 over the Alcovy River. The proposed bridge will be constructed parallel to the existing bridge.

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:

Mr. Tim Knight – Athens Area Engineer

Tim.Knight@dot.state.ga.us

450 Old Hull Road

Athens, Georgia 30601

706-369-5627

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

No. 2 Capitol Square

Atlanta, Georgia 30334

404-463-6135

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.

Concept Team Meeting Minutes
Project No. BRST-1308(11)
SR 81 Bridge over Alcovy River 2 miles SW of Bold Springs
P.I. No. 142295

Meeting Date: 18 April 2002
Meeting Time: 1 p.m.
Meeting Place: Gainesville District 1 Office

Persons in Attendance:

Todd Long	GDOT – District 1 Preconstruction Eng. (770) 532-5520
Ken Reed	GDOT – District 1 (770) 718-5020
Kim Coley	GDOT – District 1 (770) 532-5564
Julie Wilson	GDOT – District 1 Environ. (770) 532-5582
Kelvin Mullins	GDOT – District 1 (706) 369-5627
Neil Kantner	GDOT – District 1 Location (770) 532-5580
Henry N. O’Kelley	GDOT – District 1 Utilities (770) 532-5510
Robby Oliver	GDOT – District 1 Utilities (770) 532-5582
Ted Cashin	GDOT - OCD (404) 463-6135
Tom Phillips	City of Lawrenceville Gas (770) 963-3332
Carol Bowler	Wilbur Smith Associates (770) 936-8650
Vance Jones	Wilbur Smith Associates (770) 936-8650

Purpose:

The purpose of BRST-1308(11) is to replace the structurally deficient bridges over the Alcovy River with structurally adequate bridges to improve the operation and safety of this section of SR 81.

Vance J. opened the meeting and everyone in attendance introduced themselves. Vance J. then described the project and the reason for the selected alternate. Carol B. then went through the concept report in detail and fielded questions and comments.

The following comments were made:

Maintenance of Traffic:

Ken R. questioned how the stage construction would be done. Carol B. stated that traffic would be maintained on the existing road while the proposed bridge is built parallel, approximately 40 ft. south of the existing bridge. Todd L. asked about offsite detours, and Vance J. indicated that the closest detour is 12 miles. Todd L. and Ted C. indicated this is too long. Carol B. stated that WSA met with District personnel to discuss preferred alternates and the parallel bridge was preferred due to cost, geometry, avoidance of power poles, and 2 sideroad tie-ins. A temporary detour bridge would be too costly. Ted C. stated that a cost should be included for a temporary detour bridge.

Design: Todd L. asked about speed design. Carol B. indicated that proposed 55 mph speed design would be met with 6 per cent maximum grades and 2 degree maximum degree of horizontal curvature. Ted C. questioned the requirement for bike lanes because the need and purpose statement indicated this was not a bike lane route. Todd L. checked the latest records and found this route is currently a designated bike lane route. There was general discussion on the use of rumble strips on the shoulder and on the bridge. Carol B. stated she would research the latest requirements and update the concept report. Neil K. stated that clear zone should be checked. Ted C. stated that the proposed full depth paving should extend to the face of the guardrail, then a thin layer of surface course to the shoulder break point for maintenance reasons. All agreed with the proposed dimensions and slope controls of the typical sections.

Environmental: Ted C. asked about possible historical properties and Carol B. indicated that our environmental subcontractor Edwards-Pitman identified none based on a visual determination. Carol B. also indicated that a site visit revealed the presence of no cemeteries or wetlands.

Utilities: Robbie O. stated that a project notification letter was sent to all probable Walton County utilities. Tom P. indicated there is an existing 4 inch 490 pound gas line main which goes through the center of the proposed bridge owned by the City of Lawrenceville. The line is about 8 feet below the Alcovy River. He is not in favor of the proposed alignment, and says the gas line cannot be placed on the bridge. Henry O. indicated that the cost of relocating power poles can run from \$ 2,500 to \$ 4,000. It was determined that the cost of relocating the power poles and other utility on the north side is greater than relocating the gas line on the south side.

Right of Way: The current alternate shows that no structures will be taken. Todd L. indicated that Right of Way should be minimized near the Riverglen Drive subdivision entrance.

Cost: The items for right of way, earthwork, G.A.B., traffic control, and erosion control should be recalculated.

The floor was opened to further questions or comments. It was agreed by a majority that the proposed parallel bridge alternate should be selected for preliminary design.

The meeting was adjourned at approximately 2:30 p.m.

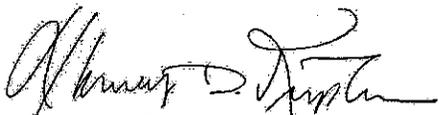
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 142295

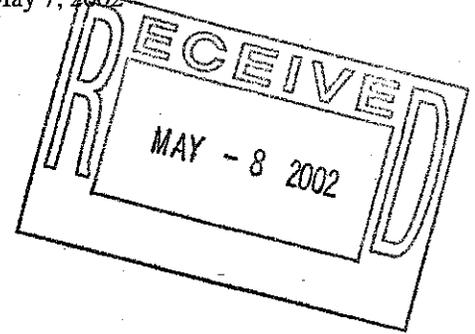
OFFICE: Environment/Location

DATE: May 7, 2002

FROM: 
Harvey D. Keepler, State Environmental/Location Engineer

TO: Wayne Hutto, P.E., Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BRSTP-1308(11), WALTON COUNTY



The above subject concept report has been reviewed. This office has no comments at this time.

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

HDK/rtt

Attachment

cc: David Mulling
James Buchan

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

State Route Number: 81

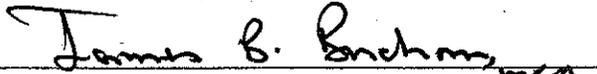
Recommendation for approval:

DATE 5-2-02

DATE 5-2-02



Project Manager



State Consultant Design Engineer *MSA*

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).

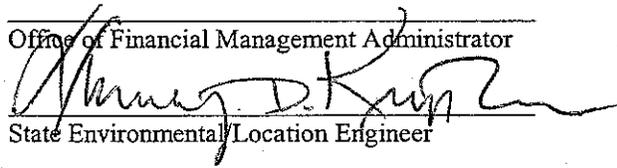
DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE 5/7/02



State Environmental Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

State Route Number: 81

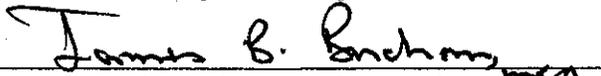
Recommendation for approval:

DATE 5-2-02



Project Manager

DATE 5-2-02



State Consultant Design 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 _____

Office of Financial Management Administrator

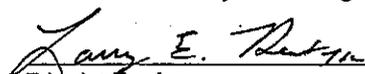
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 5-7-02



District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)
County: Walton
P. I. Number: 142295

Federal Route Number: N/A
State Route Number: 81

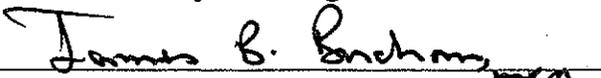
Recommendation for approval:

DATE 5-2-02



Project Manager

DATE 5-2-02



State Consultant Design 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 5/16/02



State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

State Route Number: 81

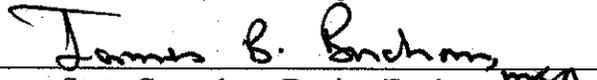
Recommendation for approval:

DATE 5-2-02

DATE 5-2-02



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 Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

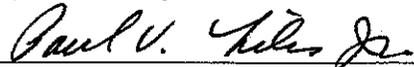
DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE 6/3/02


State Bridge and Structural Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

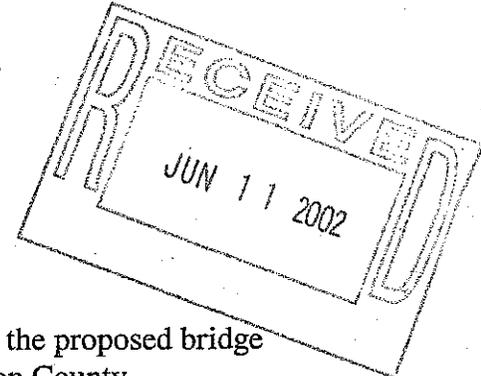
File: BRST-1308(11), Walton County
P.I. No. 132970

Office: Traffic Safety & Design
Atlanta, Georgia
Date: June 7, 2002

From: ^{PMA/sg} Phillip M. Allen, State Traffic Safety and Design Engineer

To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the proposed bridge replacement on State Route 81 over Alcovy River in Walton County.

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

PMA/sz

Attachment (signature page)

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

State Route Number: 81

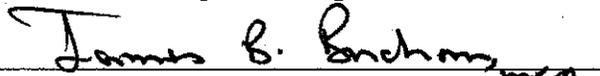
Recommendation for approval:

DATE 5-2-02



Project Manager

DATE 5-2-02



State Consultant Design Engineer *MSA*

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

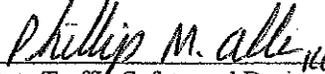
DATE _____

Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 6-10-02



State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

Project Concept Report

Project Number: BRST-1308 (11)

County: Walton

P. I. Number: 142295

Federal Route Number: N/A

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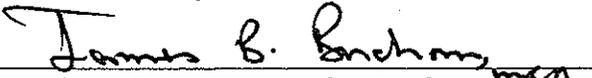
Recommendation for approval:

DATE 5-2-02



Project Manager

DATE 5-2-02



State Consultant Design Engineer *MSA*

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 5-3-02



Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer