

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-STP-2837(3) Washington County **OFFICE** Preconstruction
P. I. No. 245140
CWH **DATE** June 8, 1999

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:

Walker Scott
Bobby Mustin
David Studstill (ATTN: Harvey Keeper)
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Paul Liles
Don Mills
Mike Thomas

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-STP-2837(3) Washington County **OFFICE** Preconstruction
P.I. No. 245140 **DATE** May 4, 1999

FROM *Walker W. Scott Jr.*
Walker W. Scott Jr., P.E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a narrow and structurally deficient bridge on SR 24 over Williamson Swamp Creek, 1.3 miles northwest of Davisboro. The existing structure constructed in 1931 is a 306' x 24' bridge with concrete bents on spread footings, concrete t-beam superstructure, a concrete deck with a sufficiency rating of 60. The latest inspection indicates a history of deterioration and repair work on the substructure and superstructure. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. The existing approaches consist of a two lane roadway with rural shoulders on 100' of existing right-of-way. State Route 24, functionally classified as a rural arterial, is an east-west corridor in the north central portion of Georgia. This bridge is located on SR 24 between Sandersville and Louisville. The base year traffic (2003) along this section of SR 24 is 2,300 VPD. The 20 year (2013) or design year projected volume is 4,200 VPD. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 24 north of its present location extending for a total of 1.0 mile. The proposed new bridge will be 306' x 44' and will be located just north of the existing bridge structure. The relocated SR 24 will consist of two, 12' lanes with 8' rural shoulders (2' paved). Traffic will be maintained along the existing roadway during construction.

Environmental concerns include requiring a COE 404 permit; a Categorical Exclusion will be prepared; existing bridge is historic--possible programmatic 4f; 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)	\$2,901,000	\$1,014,000	2002	01-07
Right-of-Way	\$ 5,000	\$ 2,000		
Utilities*	-----	-----		

Wayne Shackelford
Page 2

BR-STP-2837(3) Washington
May 4, 1999

*Washington County and the City of Davisboro have no utilities involved.

This project is in the STIP. I recommend this project concept be approved, and detour alternative "A" be implemented.

WWS:JDQ/cj

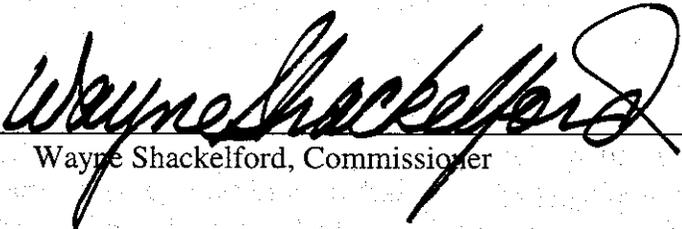
Attachment

CONCUR



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

APPROVE



Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-STP-2837(3) Washington
P.I. Number 245140

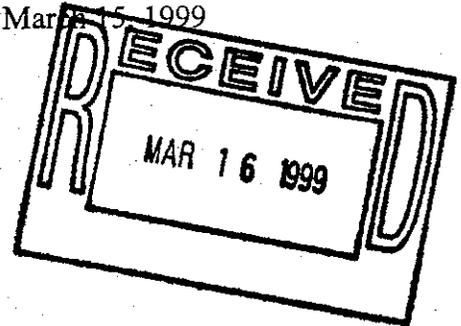
OFFICE: Atlanta, Georgia

DATE: March 15, 1999

FROM: Bob Mustin, Project Review Engineer *DTM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted March 10, 1999 by the letter from David Griffith dated March 8, 1999, and have the following comments:

1. The PDP Classification is shown as Non-CA and Exempt. The PDP Classification should only be shown as Exempt.
2. In order for the proposed replacement to qualify for bridge replacement funds the sufficiency rating of the existing bridge must be less than 50, or the cost to widen must more than the cost to replace. Since the sufficiency rating of the existing bridge is 60.2, and cost to replace is more expensive than widening, the proposed replacement of the existing bridge does not qualify for bridge replacement funds.
3. The concept report needs to state why the bridge needs to be replaced instead of widened.

The costs for the project are:

Construction	\$2,206,000
Inflation	\$ 331,000
E&C	\$ 254,000
Preliminary Engineering	\$ 110,000
Reimbursable Utilities	\$ 0
Right of Way	\$ 5,000

DTM

c: David Griffith

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

BR-STP-2837(3)
P.I. No. 245140
Washington County
Bridge Replacement over Williamson Swamp Creek
1.3 Miles Northwest of Davisboro on S. R. 24

Federal Route No.: 2837

Date of Report: January 25, 1999

State Route No.: 24

RECOMMENDATION FOR APPROVAL

Date _____
State Transportation Planning Administrator
This project concept is contained in the Regional
Transportation Improvement Program (RTIP)
and/or in the State Transportation Improvement
Program (STIP). The concept as presented herein
and submitted for approval is consistent with that
Which is included in the RTIP and/or STIP.

Date _____
State Transportation Programming Engineer

Date _____
State Environmental/Location Engineer

Date _____
State Road Design Engineer

Date 3/15/99
District Engineer/Tennille
Bob Mustie *OTM*
Project Review Engineer

Date _____
State Traffic Operations Engineer

Date _____
State Bridge & Structural Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

BR-STP-2837(3) WASHINGTON P. I. NUMBER 245140

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.

Replacement of the bridge on State Route 24 over Williamson Swamp Creek 1.3 miles northwest of Davisboro.

The date of location approval was _____
Date of Approval

This project proposes to replace the existing 306 ft x 24 ft structurally deficient bridge on State Route 24 at Williamson Swamp Creek with a 306 ft x 44 ft reinforced concrete bridge. Also, the new bridge width will allow for shoulder width across the bridge. Guardrails and slopes will be constructed to meet current guidelines. The construction will be done on new location with traffic being maintained on the existing roadway during construction of the bridge on the new alignment.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation, 801 Fourth Street, Tennille, GA, telephone (912)552-4629.

Any written request in reference to this Notice should include the Project and PI numbers as noted at the top of this Notice and may be referred to:

David O. Griffith
Preconstruction Engineer
801 Fourth Street
Tennille, GA 31089
(912)552-4629

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

BR-STP-2837(3)
P.I. No. 245140
Washington County
Bridge Replacement over Williamson Swamp Creek
1.3 Miles Northwest of Davisboro on S. R. 24

Federal Route No.: 2837

Date of Report: January 25, 1999

State Route No.: 24

RECOMMENDATION FOR APPROVAL

Date	State Transportation Planning Administrator This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and/or STIP.
Date	State Transportation Programming Engineer
Date	State Environmental/Location Engineer
Date	State Road Design Engineer
4/7/99	<i>Michael L. Thomas</i> District Engineer/Tennille <i>Q56</i>
Date	Project Review Engineer
Date	State Traffic Operations Engineer
Date	State Bridge & Structural Engineer

PROJECT CONCEPT REPORT

Project Number: BR-STP-2837(3) Washington County

PROJECT LOCATION AND DESCRIPTION

This project consists of the replacement of the structurally deficient bridge on State Route 24 between Louisville and Sandersville over Williamson Swamp Creek 1.3 miles northwest of Davisboro.

TRAFFIC

CURRENT

PROJECTED

YEAR
2003

AADT
2300

YEAR
2023

AADT
4200

PDP CLASSIFICATION

FUNCTIONAL CLASSIFICATION

Minor on existing alignment

Rural Major Collector

NON-CA ()

CA ()

EXEMPT (X)

N/A ()

NEED AND PURPOSE

The purpose of this project is to replace the structurally deficient bridge at this location and to provide a safer travel way by constructing full shoulder widths across the bridge. The existing bridge has a current sufficiency rating of 60.2 with inadequate shoulders across the bridge.

EXISTING ROADWAY				
TYPICAL SECTION:	2- 12 ft. asphaltic concrete travel lanes with 6 ft. grassed shoulders.			RIGHT-OF-WAY WIDTH 100 feet
POSTED SPEED	MINIMUM RADIUS OF CURVE		MAX GRADE	
55 M.P.H.			4.9 %	
MAJOR STRUCTURES				
FEATURES INTERSECTED/TYPE	LENGTH	WIDTH	PRIORITY RATING	SUFFICIENCY RATING
Reinf. Concrete Bridge	306 ft.	24 ft.	NA	60.2

PROPOSED ROADWAY

TYPICAL SECTION: 2-12 FT. Asphaltic concrete travel lanes with 8 ft. shoulders of which 2 ft. are paved.				
DESIGN SPEED	MINIMUM RADIUS OF CURVE		MAXIMUM GRADE	
55 MPH	ALLOWABLE	1000 ft.	ALLOWABLE	6.5%
55 MPH	PROPOSED	1000 ft. or greater	PROPOSED	6.5% or less
PROPOSED MAJOR STRUCTURES				
FEATURES INTERSECTED/TYPE		LENGTH	WIDTH	
Reinforced Concrete Bridge		306 ft.	44 ft.	
PROPOSED RIGHT-OF-WAY				
RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS 0		
		RES.: 0	BUS.: 0	M.H.: 0
TYPE OF ACCESS CONTROL: Controlled by D.O.T. permit				

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: February 16, 1999

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? N/A

P.A.R. MEETING: N/A

PERMITS REQUIRED: Nationwide 404 Permit

LEVEL OF PUBLIC INVOLVEMENT: N/A

TIME SAVING PROCEDURES APPROPRIATE: Yes

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 16 Months

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 10 Months

TIME TO COMPLETE 404 PERMIT: 16 Months

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 6 Months

TIME TO BUY RIGHTS-OF-WAY: 1 Year

OTHER PROJECTS IN THE AREA:

STP-2837(2) Washington County

STP-3906(2) Washington County

BRSRB-2189(2) Washington County (Under Construction)

LOCAL GOVERNMENT COMMITMENTS: August 12, 1996 - Locals refused.

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Alternate "A" – New Location
Alternate "B" – Off-Site Detour

LEVEL OF ENVIRONMENTAL ANALYSIS:

CE – Categorical Exclusion
Bridge is Historic - Possible Programmatic

UNDERGROUND STORAGE TANKS:

None

HAZARDOUS WASTE SITES:

None

DESIGN VARIATIONS REQUESTED

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	()	(x)	()
SUBST ROADWAY WIDTH	()	(x)	()
SUBST SHOULDER WIDTH	()	(x)	()
SUBST VERTICAL GRADES	()	(x)	()
SUBST CROSS SLOPES	()	(x)	()
SUBST STOPPING SIGHT DIST	()	(x)	()
SUBST SUPERELEV RATES	()	(x)	()
SUBST HORIZONTAL CLEARANCE	()	(x)	()
SUBST SPEED DESIGN	()	(x)	()
SUBST VERTICAL CLEARANCE	()	(x)	()
SUBST BRIDGE WIDTH	()	(x)	()
SUBST BR STRUCT CAPACITY	()	(x)	()

ALTERNATIVES CONSIDERED

Alternate A: Construct bridge on new location and route traffic on existing bridge while bridge is under construction. Once guardrail is in place, route traffic on the new alignment and remove old bridge.

Alternate B: Close road and detour traffic onto S.R. 231 North in Davisboro to S.R. 88 West and back to S.R. 24. Remove existing bridge and construct new bridge.

Alternate C: No build.

THE DISTRICT RECOMMENDS ALTERNATE "A"

ESTIMATED COST

CONSTRUCTION: ALT "A" \$2,206,062.45	RIGHT-OF-WAY: ALT "A" \$ 5000.00
ALT "B" \$1,446,096.20	ALT "B" None
E & C (10%): ALT "A" \$ 245,349.00	ACQUIRED BY: D.O.T.
ALT "B" \$ 167,404.00	
INFLATION: ALT "A" \$ 346,428.00	UTILITIES: None eligible for reimbursement.
ALT "B" \$ 227,941.00	ADJUSTED BY:
TOTAL CONST COST: ALT "A" \$ 2,802,839.45 (New Location) ←	
ALT "B" \$ 1,841,441.20 (Off-site Detour)	

COMMENTS

1. Construction recommended that the paved shoulders have 1/4" per foot of slope rather than the 3/4" per foot normally shown. They were also concerned with who and how the rumble strips would be removed. It was recommended that the rumble strips be included in the Bid Item No. 150-1000 Traffic Control.
2. Utilities noted that the Pineland Telephone utilities are located on the right-of-way and no additional cost would need to be added for the telephone company's utilities.
3. Conducted studies for stage construction. But upon inspection of the bridge, found that it would be an impractical alternative for replacement of bridge.
4. An on-site detour was considered. Due to the additional drainage structure that the on-site detour would require, the construction on new location would be more economically advantageous.
5. The offsite detour was not recommended due to the location of the state prison just north of Davisboro on State Route 24 and the additional time it would require emergency vehicles to reach the prison in case of a crisis. The detour is approximately 3 miles longer than the original route.
6. There are no shoulders provided on the existing bridge. It is desirable that there be uniform clearance between traffic and roadside features such as bridge abutments and railing. Uniform alignment enhances highway safety by reducing driver reaction and concerns for those objects. The suggested shy line offset of around 6-foot should be available for the driver's comfort. The bridge's abutments provide no lateral offset that produces a potential hazard. The addition of shoulders on the bridge would reduce the potential hazard at the bridge ends resulting from the driver's reactions of reducing speed or veering towards the centerline.

ATTACHMENTS:

- Typical Section
- Traffic Data
- Pavement Design
- Construction Cost Estimate
- Project Location Sketch
- Proposed Detour Route
- LGPA – Refused August 12, 1996

PREPARED BY: Renee' Decker – District Design Squad Leader, Tennille Design

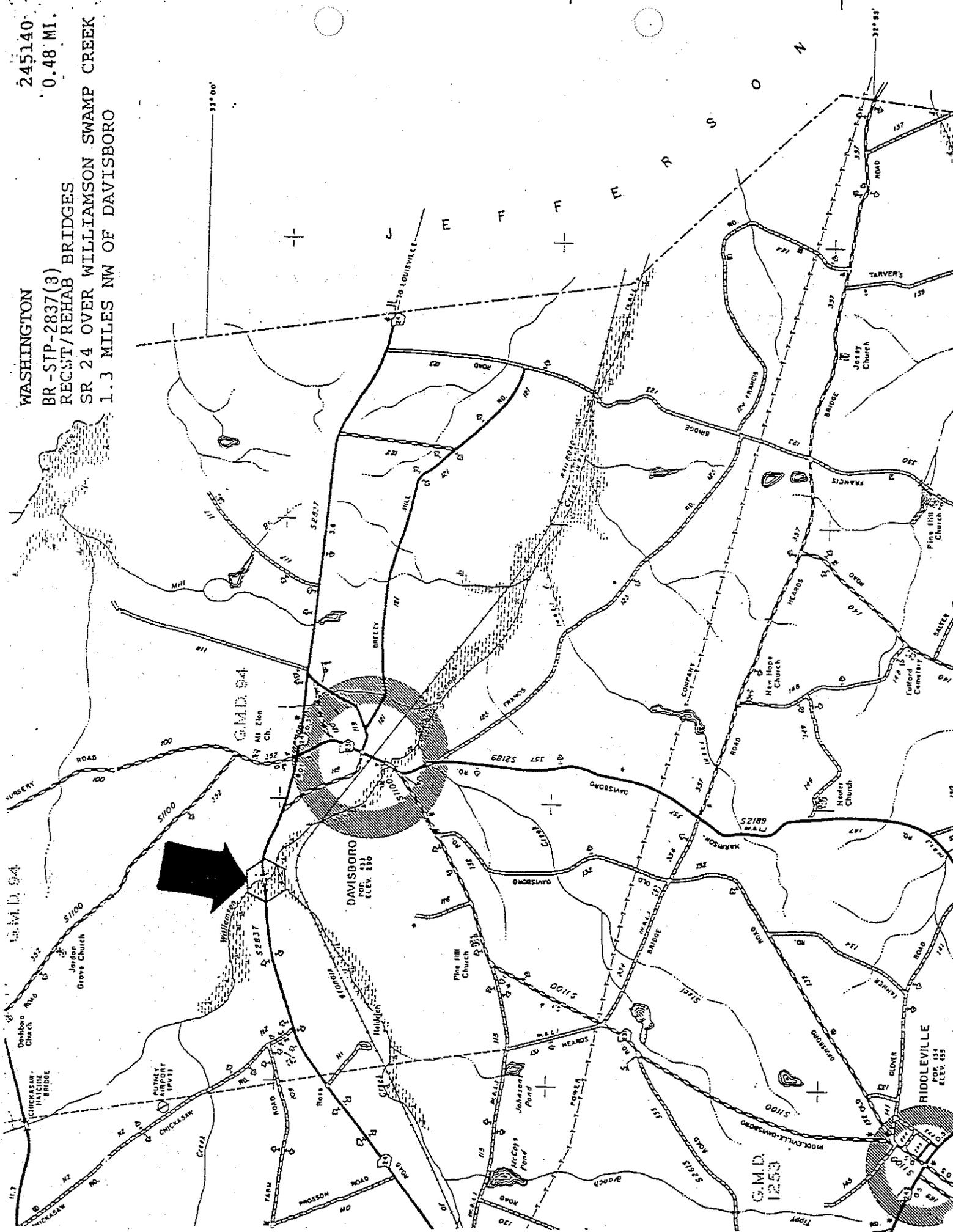
245140

0.48 MI.

WASHINGTON

BR-STP-2837(3)
RECST/REHAB BRIDGES

SR 24 OVER WILLIAMSON SWAMP CREEK
1.3 MILES NW OF DAVISBORO



BHS-2837(3), Washington
P.I.# 245140

Environment/Location

July 9, 1998

David E. Studstill, P.E., State Environmental/location Engineer

Thomas L. Clark, District Design Engineer, Tennille
Attn.: D. Griffith

Traffic Data for SR 24 @ Williamson Swamp Creek

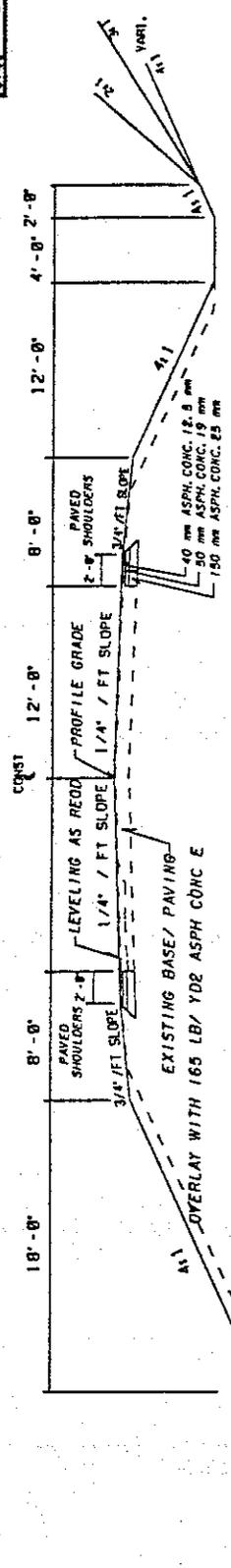
We are furnishing traffic data for the above project
as follows:

2003 ADT	2300
2023 ADT	4200
K	10%
D	60%
T	5%
24 Hr. T	7%
S.U.	4%
Comb.	3%

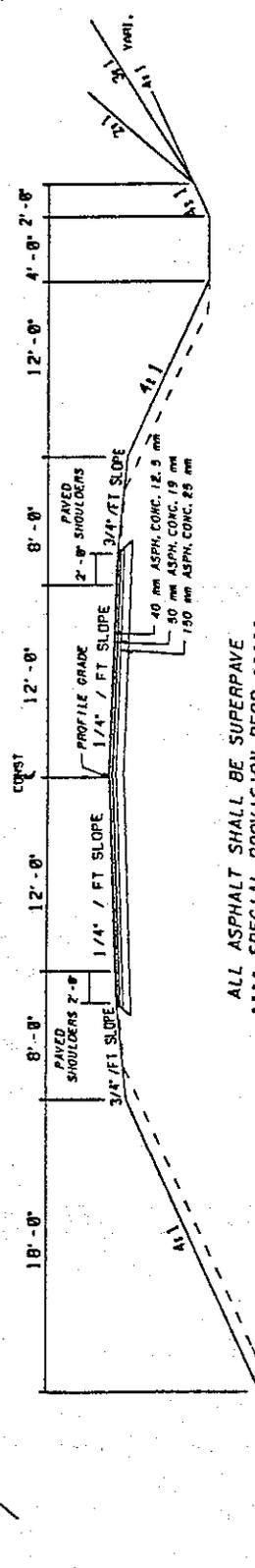
If you have any questions, please call Gary Langford @
404-699-4404.

DES/AFE

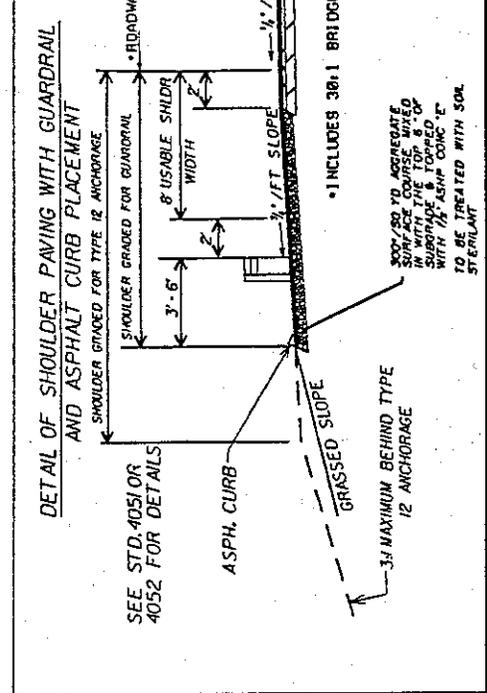
STATE	PROJECT NUMBER
GA	HW-51P-2837-3
1	1
1	1
1	1



ALL ASPHALT SHALL BE SUPERPAVE
 ***** SPECIAL PROVISION RECD *****
 TYPICAL SECTION NO. 1
 NOT TO SCALE



ALL ASPHALT SHALL BE SUPERPAVE
 ***** SPECIAL PROVISION RECD *****
 TYPICAL SECTION NO. 2
 NOT TO SCALE



ALTERNATE "A"
 (NEW LOCATION)

SHOW DATE THE DRAWING
 COMPLETE (IF APPLICABLE) TO BE REVISIONS

ITEM NO.	ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	ITEM COST
BRIDGE REPLACEMENT AT WILLIAMSON SWAMP CREEK					
PROJECT LENGTH= 0.48 MILES					
ALTERNATE "A" (NEW LOCATION)					
***** ROADWAY *****					
150-1000	TRAFFIC CONTROL - BR-SIP-2837(3)	LS	25000.000	1	25000.00
210-0100	GRADING COMPLETE - BR-SIP-2837(3)	LS	550000.000	1	550000.00
310-1201	GR AGGR SUBBASE CRS, INCL MAIL	TN	16.000	3092	49472.00
318-3000	AGGR SURF CRS	TN	17.000	94	1598.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MAIL & H LIME	TN	47.000	790	37130.00
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MAIL & H LIME	TN	45.000	1580	71100.00
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MAIL & H LIME	TN	41.000	644	26404.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MAIL & H LIME	TN	43.000	300	12900.00
413-1000	BITUM TACK COAT	GL	1.500	625	937.50
433-1000	REINF CONC APPROACH SLAB	SY	85.000	310	26350.00
436-1000	ASPHALTIC CONCRETE CURB	LF	6.500	570	3705.00
441-0301	CONC SPILLWAY, TP 1	EA	1100.000	4	4400.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	25.000	60	1500.00
550-3618	SAFETY END SECTION 18 IN, 6:1 SLOPE	EA	534.000	2	1068.00
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	21.500	1000	21500.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	864.000	4	3456.00
610-1055	REM GUARDRAIL	LF	2.360	400	944.00
610-1075	REM GUARDRAIL ANCH, ALL TYPES	EA	122.000	4	488.00
641-1100	GUARDRAIL, TP T	LF	38.150	84	3204.60
641-1200	GUARDRAIL, TP W	LF	12.000	475	5700.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	500.000	2	1000.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	1700.000	2	3400.00

PARTIAL PROJECT COST = 851257.10

ITEM NO.	DESCRIPTION	UNITS	UNIT COST	QUANTITY	ITEM COST
***** EROSION CONTROL *****					
603-2024	SIN LUMPED RIP RAP, TP 1, 24 IN	SY	32.000	2405	76960.00
603-2180	SIN LUMPED RIP RAP, TP 3, 12 IN	SY	32.000	8	256.00
700-0200	GRASSING	LS	29000.000	1	29000.00
715-2100	BITUMINOUS TREATED ROVING, SLOPES	SY	3.150	22000	69300.00
					PARTIAL PROJECT COST = 175516.00
***** TEMPORARY EROSION CONTROL *****					
161-1000	EROSION CONTROL - BR-STP-2837(3)	LS	20000.000	1	20000.00
163-1022	CONSTR, MAINT & REM TEMP PIPE SLOPE DRAIN	LF	10.500	680	7140.00
163-2051	CONSTR & MAINT BALED STRAW EROSION CHECK	LF	3.000	1000	3000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3.000	1000	3000.00
171-0020	TEMPORARY SILT FENCE, TYPE B	LF	3.000	1000	3000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	5.000	4800	24000.00
					PARTIAL PROJECT COST = 60140.00
***** BRIDGE NO. 1 (NEW LOCATION) *****					
540-1101	REMOVAL OF EXISTING BR, STA NO - (306FT X 29FT X \$15)	LS	134000.000	1	134000.00
543-9000	CONSTRUCTION OF BRIDGE NO. 1 - COMPLETE (306FT X 49FT X \$65)	LS	975000.000	1	975000.00
					PARTIAL PROJECT COST = 1109000.00
***** TRAFFIC SIGNS *****					
610-9001	REM SIGN	EA	60.000	4	240.00
611-5551	RESET SIGN	EA	80.000	4	320.00
636-0500	WOOD SIGN POSIS	LF	8.000	30	240.00
636-1014	HIGHWAY SIGNS, TP 1 MAIL - REFL SHEETING, TP 1	SF	16.000	18	288.00
654-1001	RAISED PAVT MARKERS TP 1	EA	4.610	35	161.35
					PARTIAL PROJECT COST = 1249.35

ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
***** INFLATION & E&C *****					
100-0001	INFLATION (5% X 3 YRS)	DOLLARS	346328.000	1	346328.00
100-0002	E & C (10%)	DOLLARS	254349.000	1	254349.00
PARTIAL PROJECT COST =					600677.00
TOTAL PROJECT COST =					2797839.45

ALTERNATE "B"

NOT TO SCALE



CURVE 100	
A	04°17'20"
D	01°00'00"
R	5729.58
T	214.55
L	428.90
E	4.02

620+00

625+00

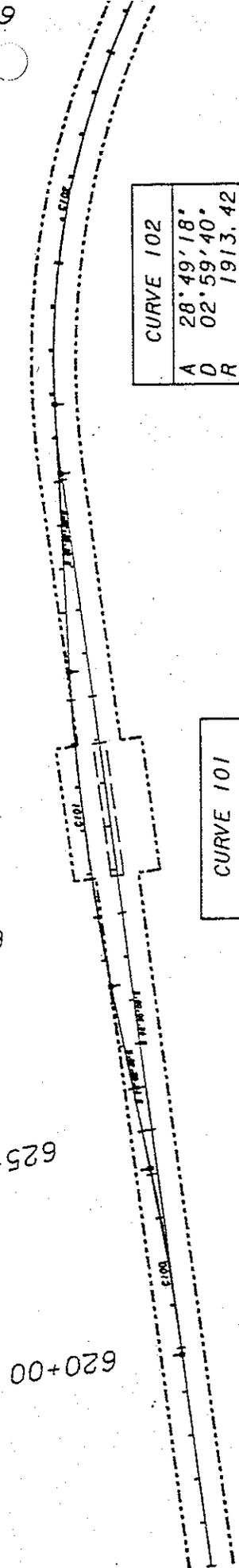
630+00

640+00

645+00

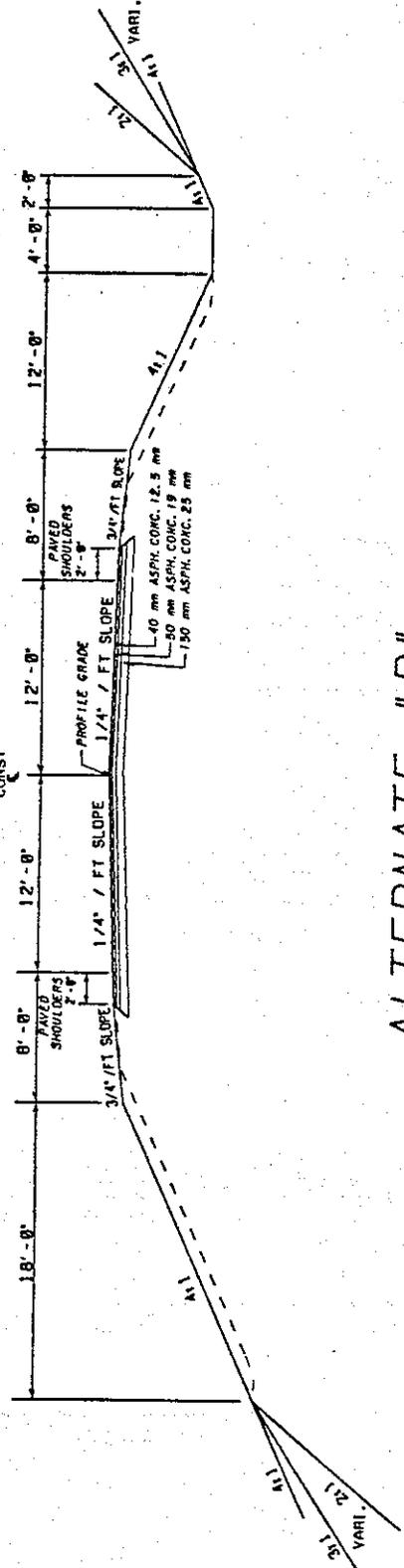
CURVE 101	
A	09°05'03"
D	01°15'00"
R	4583.66
T	364.13
L	726.73
E	14.44

CURVE 102	
A	28°49'18"
D	02°59'40"
R	1913.42
T	491.67
L	962.51
E	62.16

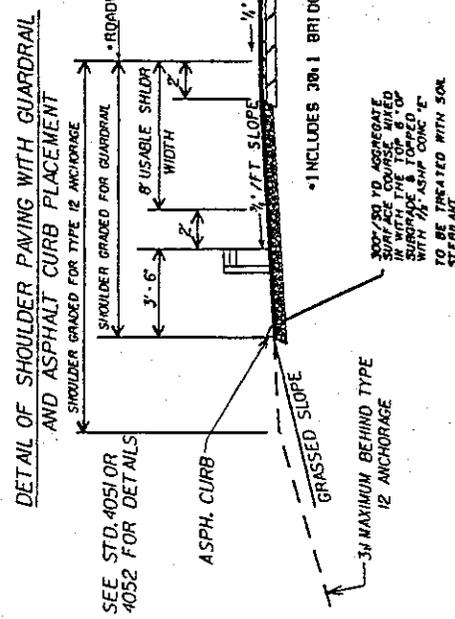


650

TYPICAL SECTION NO. 1
NOT TO SCALE



ALTERNATE "B"
(OFF-SITE DETOUR)

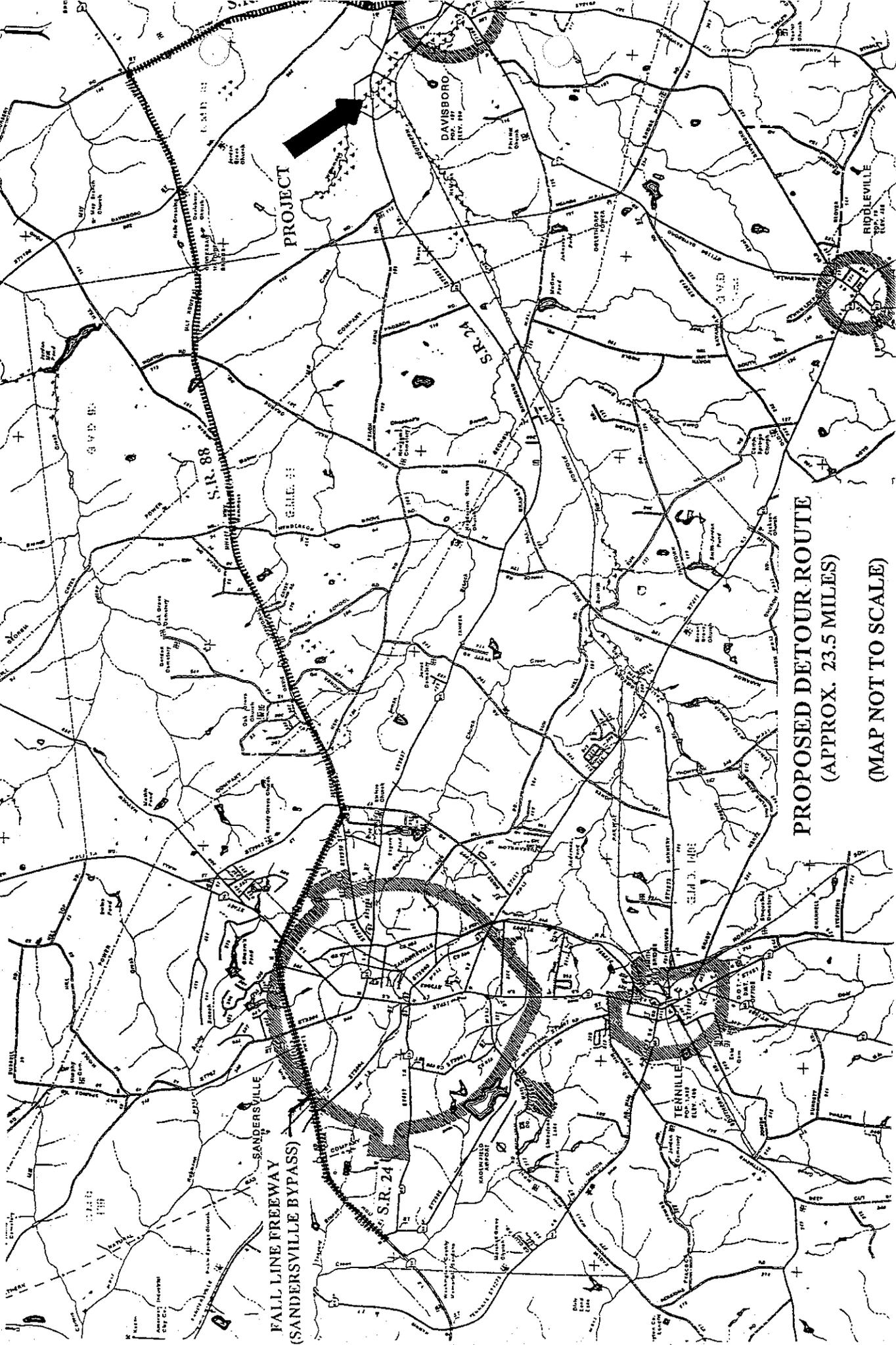


SHOULDER GRADED FOR TYPE 12 ANCHORAGE
SHOULDER GRADED FOR GUARDRAIL
8' USABLE SHOULDER WIDTH
3'-6" ROADWAY
3'-7 1/2" SLOPE
1/2" SLOPE
INCLUDES 30# I BRIDGE FLARE
300# AS YD ASPHALT SURFACE TO BE UNLINED IN WITH THE TOP 6" OF SUBGRADE & TOPPED WITH 1/2" ASPH CONC TO BE TREATED WITH SOL STERILANT

SEE STD. 4051 OR 4052 FOR DETAILS
ASPH. CURB
GRASSED SLOPE
3/4" MAXIMUM BEHIND TYPE 12 ANCHORAGE

STATE PROJECT NUMBER
EM-31P-28371-D

BRF-STP-2837 (3) WASHINGTON CO.
P. I. No. 245140
BRIDGE REPLACEMENT ON S. R. 24
OVER WILLIAMSON SWAMP CREEK
1.3 MILES NW OF DAVISBORO



FALL LINE FREEWAY
(SANDERSVILLE BYPASS)

PROPOSED DETOUR ROUTE
(APPROX. 23.5 MILES)
(MAP NOT TO SCALE)

ITEM NO.	DESCRIPTION	UNIT	UNIT COST	QUANTITY	ITEM COST
	BRIDGE REPLACEMENT AT WILLIAMSON SWAMP CREEK				
	PROJECT LENGTH= 0.48 MILES				
	ALTERNATE "B" (OFFSITE DETOUR)				
	***** ROADWAY *****				
150-1000	TRAFFIC CONTROL - BR-STP-2837(3)	LS	20000.000	1	20000.00
150-1000	TRAFFIC CONTROL (OFF-SITE DETOUR)	LS	30000.000	1	30000.00
210-0100	GRADING COMPLETE - BR-STP-2837(3)	LS	50000.000	1	50000.00
318-3000	AGGR SURF CRS	TN	17.000	68	1156.00
402-0111	RECYCLED ASPH CONC B, GP 1 OR 2, INCL BITUM MAIL & H LIME	TN	47.000	139	6533.00
402-0120	RECYCLED ASPH CONC BASE, GP 1 OR 2, INCL BITUM MAIL & H LIME	TN	45.000	415	18675.00
402-0130	RECYCLED ASPH CONC E, GP 2 ONLY, INCL BITUM MAIL & H LIME	TN	41.000	104	4264.00
413-1000	BITUM TACK COAT	GL	1.500	101	151.50
429-1000	RUMBLE STRIPS	EA	593.000	12	7116.00
433-1000	REINF CONC APPROACH SLAB	SY	85.000	310	26350.00
436-1000	ASPHALTIC CONCRETE CURB	LF	6.500	570	3705.00
441-0301	CONC SPILLWAY, TP 1	EA	1100.000	4	4400.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	25.000	60	1500.00
550-3618	SAFETY END SECTION 18 IN, 6:1 SLOPE	EA	534.000	2	1068.00
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	21.500	1000	21500.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	864.000	4	3456.00
610-1055	REM GUARDRAIL	LF	2.360	400	944.00
610-1075	REM GUARDRAIL ANCH, ALL TYPES	EA	122.000	4	488.00
641-1100	GUARDRAIL, TP T	LF	38.150	84	3204.60
641-1200	GUARDRAIL, TP W	LF	12.000	475	5700.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	500.000	2	1000.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	1700.000	2	3400.00

PARTIAL PROJECT COST = 214611.10

ITEM NO.	DESCRIPTION	UNITS	UNIT COST	QUANTITY	ITEM COST
***** EROSION CONTROL *****					
603-2024	SIN DUMPED RIP RAP, TP 1, 24 IN	SY	32.000	2405	76960.00
603-2180	SIN DUMPED RIP RAP, TP 3, 12 IN	SY	32.000	8	256.00
700-0200	GRASSING	LS	5000.000	1	5000.00
715-2100	BETUMINOUS TREATED ROVING, SLOPES	SY	3.150	5500	17325.00
PARTIAL PROJECT COST =					99541.00
***** TEMPORARY EROSION CONTROL *****					
161-1000	EROSION CONTROL - TEMPORARY	LS	5000.000	1	5000.00
163-1022	CONSR, MAINT & REM TEMP PIPE SLOPE DRAIN	LF	10.500	220	2310.00
163-2051	CONSR & MAINT BALED STRAW EROSION CHECK	LF	3.000	500	1500.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3.000	1000	3000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	5.000	2000	10000.00
PARTIAL PROJECT COST =					21810.00
***** BRIDGE NO. 1 (STAGE CONSTRUCTION) *****					
540-1101	REMOVAL OF EXISTING BR, STA NO - (306FT X 29FT X \$15)	LS	134000.000	1	134000.00
543-9000	CONSTRUCTION OF BRIDGE NO. 1 - COMPLETE (306FT X 49FT X \$65)	LS	975000.000	1	975000.00
PARTIAL PROJECT COST =					1109000.00
***** TRAFFIC SIGNS *****					
610-9001	REM SIGN	EA	60.000	4	240.00
611-5551	RESET SIGN	EA	80.000	4	320.00
636-0500	WOOD SIGN POSTS	LF	8.000	30	240.00
636-1014	HIGHWAY SIGNS, TP 1 MAIL - REFL SHEETING, TP 1	SF	16.000	18	288.00
654-1001	RAISED PVT MARKERS TP 1	EA	4.610	10	46.10
PARTIAL PROJECT COST =					1134.10

ITEM NO.	ITEM DESCRIPTION	UNITS	UNIT COST	QUANTITY	ITEM COST
***** INFLATION & E&C *****					
100-0001	INFLATION (5% X 3 YRS)	DOLLARS	227941.000	1	227941.00
100-0002	E & C (10%)	DOLLARS	167404.000	1	167404.00
PARTIAL PROJECT COST =					395345.00
TOTAL PROJECT COST =					1841441.20



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

July 2, 1996

WAYNE SHACKELFORD
COMMISSIONER

FRANK DANCHETZ
CHIEF ENGINEER

G. CHARLES LEWIS
DEPUTY COMMISSIONER

JAMES R. MARTIN
TREASURER

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, the County of WASHINGTON agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BHS-2837(3), PI # 245140, WASHINGTON County:

RECST/REHAB / BRIDGES

SR 24 OVER WILLIAMSON SWAMP CREEK 1.3 MILES NW OF DAVISBORO

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.

THIS PROJECT IS WITHIN D.O.T. RIGHT OF WAY

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 City of Davisboro:

This 12th day of August, 19 96

APPROVED

City/County Official



NOTICE OF LOCATION AND DESIGN APPROVAL

BR-STP-2837(3) WASHINGTON P. I. NUMBER 245140

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.

Replacement of the bridge on State Route 24 over Williamson Swamp Creek 1.3 miles northwest of Davisboro.

The date of location approval was _____
Date of Approval

This project proposes to replace the existing 306 ft x 24 ft structurally deficient bridge on State Route 24 at Williamson Swamp Creek with a 306 ft x 44 ft reinforced concrete bridge. Also, the new bridge width will allow for shoulder width across the bridge. Guardrails and slopes will be constructed to meet current guidelines. The construction will be done on new location with traffic being maintained on the existing roadway during construction of the bridge on the new alignment.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation, 801 Fourth Street, Tennille, GA, telephone (912)552-4629.

Any written request in reference to this Notice should include the Project and PI numbers as noted at the top of this Notice and may be referred to:

David O. Griffith
Preconstruction Engineer
801 Fourth Street
Tennille, GA 31089
(912)552-4629

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

BR-STP-2837(3)
P.I. No. 245140
Washington County
Bridge Replacement over Williamson Swamp Creek
1.3 Miles Northwest of Davisboro on S. R. 24

Federal Route No.: 2837

Date of Report: January 25, 1999

State Route No.: 24

RECOMMENDATION FOR APPROVAL

Date _____
State Transportation Planning Administrator
This project concept is contained in the Regional
Transportation Improvement Program (RTIP)
and/or in the State Transportation Improvement
Program (STIP). The concept as presented herein
and submitted for approval is consistent with that
Which is included in the RTIP and/or STIP.

Date _____
State Transportation Programming Engineer

Date _____
State Environmental/Location Engineer

Date _____
State Road Design Engineer

Date _____
District Engineer/Tennille

Date _____
Project Review Engineer

Date _____
State Traffic Operations Engineer

3/21/99
Date _____
State Bridge & Structural Engineer
Paul V. Tellez Jr.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
INTERDEPARTMENT CORRESPONDENCE**

FILE BHS-2837(3)/Washington
P.I. No. 245140

OFFICE Maintenance

DATE August 5, 1998

FROM  Stephen T. Henry, State Maintenance Engineer

TO Mike Thomas, District Engineer, Tennille
Attn: Thomas L. Clark, District Design Engineer

SUBJECT Bridge Replacement/Rehabilitation

The above project involves:

Structure ID 303-0003-0
Location ID 303-00024D-005.17N
SR 24 over Williamson Swamp Creek

This bridge was built in 1931 and consists of concrete bents on spread footings, concrete T-beam superstructure, and a concrete deck. The original design load capacity is H-15. The sufficiency rating on the structure is 60.2. The latest inspection indicates a history of deterioration and repair work on the substructure and superstructure. In accordance with DOT policy 2405-1, we recommend that this bridge be replaced due to inadequate design load capacity. Due to this criteria no additional cost analysis or coring by the lab will be required. This bridge does not currently qualify for federal replacement BR funding. Therefore this project will have to be funded with STP funds or a combination of BH and STP funds.

If you have any questions, please contact Brian Summers at 651-8522.

STH/BKS

cc Percy Middlebrooks

DISTRICT TWO
AUG 17 1998

(5) 9-498

- () Const
- () Off Admin
- () State Aid
- () Estimator
- () Auditor
- () Maint
- () Adm Off
- () ISO/Train
- () Safety
- () EEP Tech Sppt
- () Legal
- (1) Preconst *DL*
- (2) P & Perm *DL*
- () Environ
- (3) *DL*
- () Loc
- () R/W 1
- () R/W 2
- () Loc Gvt R/W
- () Intermodal
- () Outdoor Adv
- () Traf Ops
- (4) Maint *DL*
- () Utilities

COPY:

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

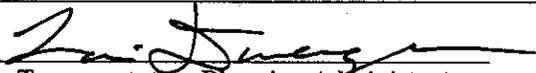
**BR-STP-2837(3)
P.I. No. 245140
Washington County
Bridge Replacement over Williamson Swamp Creek
1.3 Miles Northwest of Davisboro on S. R. 24**

Federal Route No.: 2837

Date of Report: January 25, 1999

State Route No.: 24

RECOMMENDATION FOR APPROVAL

<u>3/29/99</u> Date	 State Transportation Planning Administrator This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement Program (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and/or STIP.
_____ Date	_____ State Transportation Programming Engineer
_____ Date	_____ State Environmental/Location Engineer
_____ Date	_____ State Road Design Engineer
_____ Date	_____ District Engineer/Tennille
_____ Date	_____ Project Review Engineer
_____ Date	_____ State Traffic Operations Engineer
_____ Date	_____ State Bridge & Structural Engineer

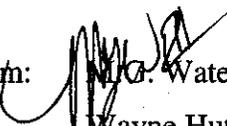
Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE



File: BR-STP-2837(3)/Washington County
P.I. No. 245140

Office: Traffic Operations
Atlanta, Georgia
Date: March 11, 1999

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 concept report on the above project for the replacement of a structurally deficient bridge on SR 24 over Williamson Swamp Creek, located 1.3 miles northwest of the city of Davisboro.

The existing roadway consists of two 12 foot lanes with 6 foot grassed shoulders on each side and has a posted speed limit of 55mph. The bridge is a 24 foot wide structure with two 12 foot lanes and no shoulders. It has a sufficiency rating of 60.2.

The new structure will be built adjacent to the existing bridge, thereby alleviating the need for a 23.5 mile detour which would have impacted the state prisons, located north of Davisboro, ability to provide emergency services in case of a crisis. The new roadway will have two 12 foot lanes with 8 foot shoulders, in which 2 feet will be paved. The bridge will be 44 feet wide with two 12 foot lanes, which is in agreement with MOG 4265-10.

We believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
Michael Thomas, District Engineer, Tennille
Attention: David Griffith
Bob Mustin, w/ attachment
Toni Dunagan
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

**BR-STP-2837(3)
P.I. No. 245140
Washington County
Bridge Replacement over Williamson Swamp Creek
1.3 Miles Northwest of Davisboro on S. R. 24**

Federal Route No.: 2837

Date of Report: January 25, 1999

State Route No.: 24

RECOMMENDATION FOR APPROVAL

Date _____
State Transportation Planning Administrator
This project concept is contained in the Regional
Transportation Improvement Program (RTIP)
and/or in the State Transportation Improvement
Program (STIP). The concept as presented herein
and submitted for approval is consistent with that
Which is included in the RTIP and/or STIP.

Date _____
State Transportation Programming Engineer

Date _____
State Environmental/Location Engineer

Date _____
State Road Design Engineer

Date _____
District Engineer/Tennille

Date _____
Project Review Engineer

3-12-98 *Maria Helton*
Date _____
State Traffic Operations Engineer

Date _____
State Bridge & Structural Engineer