

ORIGINAL TO GENERAL FILES

D.O.T. 66

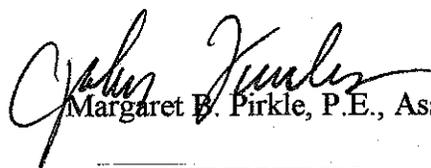
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-2938(4) Morgan County
P. I. No. 245400

OFFICE Preconstruction

DATE March 4, 2003

FROM  Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Marta Rosen
Paul Liles
Ben Buchan
Mike Thomas
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-2938(4) Morgan County **OFFICE** Preconstruction
P.I. No. 245400

DATE February 18, 2003

FROM  Margaret B. Pirkle, 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 83/Bostwick Highway over Little Sandy Creek, 4.6 miles south of Bostwick, Georgia. The existing bridge, constructed in 1949, is load limited with a sufficiency rating of 37. State Route 83 at this location is a rural two lane roadway with 10' travel lanes with rural shoulders. This section of SR 83 is functionally classified as a rural minor collector. Traffic is projected to be 3400 VPD and 5000 VPD in the years 2010 and 2030 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new quadruple 10' x 10' bridge culvert over Little Sandy Creek at the existing bridge site. The travel lanes will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained during construction utilizing an off-site detour.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$990,000	\$1,119,000	2005	FY-05
Right-of-Way	\$ 10,000	\$ 16,300		
Utilities*	\$ 15,000	----		

*LGPA sent 7-23-99 requesting that Morgan County do utilities.

Frank L. Danchetz

Page 2

BRST-2938(4) Morgan

February 18, 2003

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

MBP:JDQ/cj

Attachment

CONCUR


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

APPROVE


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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-2938(4) Morgan
P.I. Number 245400

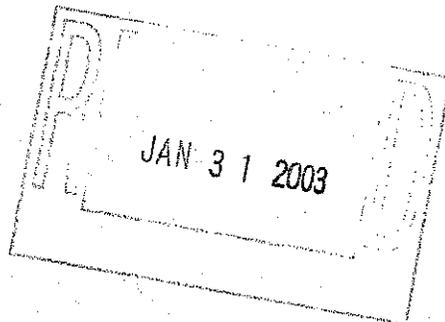
OFFICE: Engineering Services

DATE: January 30, 2003

FROM: David Mulling, Project Review Engineer *REW*

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted January 29, 2003 by the letter from James B. Buchan dated January 27, 2003, and have the following comment.

- Estimated quantity of Earthwork included in Grading Complete should be included for informational purposes.

The costs for this project are:

Construction	\$816,115
Inflation	\$83,652
E&C	\$89,980
Reimbursable Utilities	\$15,000 (LGPA anticipated)
Right of Way	\$10,000

REW

c: Ben Buchan, Attn: Ted Cashin

SCORING RESULTS AS PER MOG 2440-2

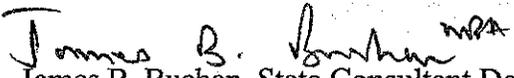
Project Number: BRST-2938(4)		County: Morgan		PI No.: 245400	
Report Date: January 27, 2003		Concept By: DOT Office: Consultant Design			
<input checked="" type="checkbox"/> Concept Stage		Consultant: Heath & Lineback			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge Replacement <input type="checkbox"/> Building <input type="checkbox"/> Interchange Reconstruction <input type="checkbox"/> Intersection Improvement <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
FOCUS AREAS	SCORE	RESULTS			
Presentation	90	Earthwork quantity included in grading Complete should be shown.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

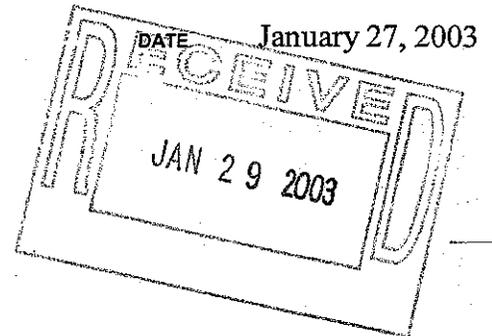
FILE **BRST-2938(4) Morgan County**
SR 83/Bostwick Hwy over Little Sandy Creek S of Bostwick
P.I. No. 245400-

OFFICE Atlanta

FROM 
James B. Buchan, State Consultant Design Engineer

TO Margaret B. Pirkle, 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 Mark Holmberg of Heath & Lineback Engineers, Inc. at (770) 424-1668.

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
Michael Thomas, District Engineer – Tennille
Paul Liles, State Bridge & Structural Engineer

JBB:MBA:EJC

cc: Heath & Lineback Engineers, Inc.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



DATE 1-27-03

Project Manager
James B. Buchanan MSCE
State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

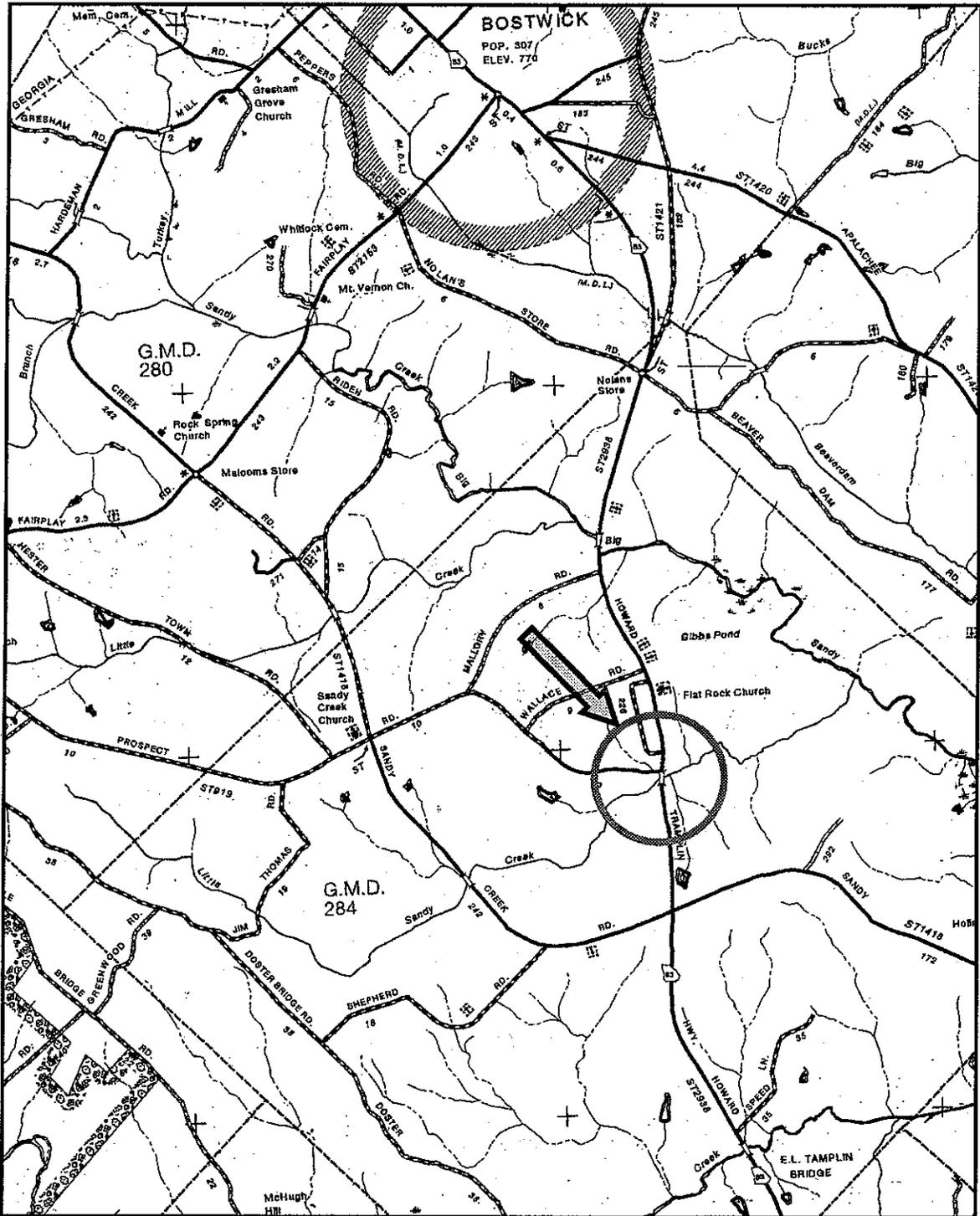
DATE _____

State Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer

Project Concept Report page 2
Project Number: BRST-2938 (4)
P. I. Number: 245400
County: Morgan



Scale: 1 inch = 1 mile

Location Map

Project: BRST-2938(4) Morgan County PI No.: 245400-
Description: SR 83/Bostwick Hwy over Little Sandy Creek S of Bostwick

Project Concept Report page 3
Project Number: BRST-2938 (4)
P. I. Number: 245400
County: Morgan

Need and Purpose: See attached Need & Purpose Statement.

Description of the proposed project: Project BRST-2938 (4) is a bridge replacement project in Morgan County on SR 83/Bostwick Hwy over Little Sandy Creek. The total project length is approximately 3000 feet (0.57 miles), beginning at M.P. 18.28 and extending to M.P. 18.95. The purpose of this project is to replace a structurally deficient and functionally obsolete bridge on SR 83/Bostwick Hwy over Little Sandy Creek. The existing bridge sufficiency rating is currently 45.0. There is a similar proposed bridge replacement project, BRST-2838 (3), SR 83/Bostwick Hwy over Big Sandy Creek, approximately 1.7 miles north of the Little Sandy Creek site.

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

PDP Classification: Minor

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

Functional Classification: Rural Major Collector Road

U. S. Route Number(s): None

State Route Number(s): 83

Traffic (AADT):

Current Year: (2010) 3400

Design Year: (2020) 5000

Existing design features:

- Typical Section: 2-12 ft. travel lanes with variable width grass shoulders.
- Posted speed 55mph Maximum degree of curvature: Tangent
- Maximum grade: 6.1%
- Width of right of way: SR 83(Bostwick Hwy) varies from 100 ft to 130 ft and CR 10(Prospect Rd) is 80 ft typical.

- Major structures: Three Steel I Beam spans at 27'-0" typical for total length of 81 ft. The bridge roadway curb-to-curb clear width is 24 ft. The sufficiency rating is 45.0.
- Major interchanges or intersections along the project: CR 10(Prospect Road)/SR83 intersection at north end of existing bridge.

Proposed Design Features:

Proposed typical section(s): Two 12'-0" travel lanes with 10'-0" shoulders. Typical section attached.

- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 6.2% Maximum grade allowable 7.0%
- Proposed Maximum grade Side Street 9.0% Maximum grade allowable 9.0%.
- Proposed Maximum grade driveway 25%
- Proposed Maximum degree of curve Tangent. Maximum degree allowable 6° 00'.
- Right of way
 - Width: 30 ft of additional R/W on the east and west side of the roadway approaching the bridge and 30 ft of additional width on Prospect Road.
 - Easements: Temporary (), Permanent (**X**), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (**X**), Other ().
 - Number of parcels: 6 Number of displacements: None
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges: The existing bridge will be replaced with a proposed box culvert will be approximately 117 ft long. The roadway above consists of two 12'-0" travel lanes, and 10'-0" shoulders.
 - Retaining walls: To be determined during preliminary design.
- Major intersections and interchanges. CR 10(Prospect Road)/SR83 intersection at north end of existing bridge. Intersection will be realigned vertically. Requires extension or replacement of a culvert under Prospect Road.
- Traffic control during construction: The culvert shall be constructed on the existing alignment. Traffic shall be detoured off-site during 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: Nationwide 404 with PCN; Comprehensive Monitoring Plan

Project Concept Report page 5
Project Number: BRST-2938 (4)
P. I. Number: 245400
County: Morgan

- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (**X**), No (),
 - Categorical exclusion anticipated (**X**),
 - Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
 - Environmental Impact Statement (EIS) ().
- Utility involvement: Overhead power lines on east side of SR 83. Underground telephone on west side of SR 83. Underground water line on east side of SR 83. Telephone conduits hanging on west side of existing bridge.

Project responsibilities:

- Design: Office of Consultant Design
- Right of Way Acquisition: District 2 Preconstruction (Right of Way Office)
- Relocation of Utilities, District Utility Office and Morgan County
- Letting to contract: General Office (Office of Contract Administration)
- Supervision of construction: District 2 Construction Office
- Providing material pits: District 2 Materials Office
- Providing detours: District of 2 Construction Office

Detour Note: The detour route was suggested by Madison Area Traffic Operations Engineer. Heath & Lineback Engineers drove the route and it appeared adequate for a detour. A formal detour route was requested on January 8, 2003.

Coordination

- Initial Concept Meeting summary: N/A
- Concept meeting date: 12/17/02, Meeting Minutes Attached
- P. A. R. meetings, dates and results: None required.
- FEMA, USCG, and/or TVA: N/A
- Public involvement: Public Information Meeting for off-site detour.
- Local government comments: Requested Morgan County to do utilities 7/23/99.
- Other projects in the area: BRST-2938(3) SR 83 over Big Sandy Creek PI No. 245401 – similar bridge replacement approximately 1.7 miles north of the Little Sandy Creek site
- Other coordination to date: None

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 9 Months
- Time to complete preliminary construction plans: 4 Months
- Time to complete right of way plans: 1 Month
- Time to complete the Section 404 Permit: 5 Months
- Time to complete final construction plans: 3 Months
- Time to complete to purchase right of way: 9 Months
- List other major items that will affect the project schedule: N/A Months

Project Concept Report page 6
Project Number: BRST-2938 (4)
P. I. Number: 245400
County: Morgan

Alternates considered: (1) Build proposed bridge on the existing alignment with temporary detour to the east (downstream); (2) Build proposed bridge parallel and offset to the east from existing, abandon or demolish existing bridge; (3) Build proposed bridge on existing alignment by closing road and detouring traffic off-site; (4) Build proposed box culvert on existing alignment by closing road and detouring traffic off-site during construction; (5) No Build.

Comments:

Comparison Summary of Concepts 1 - 5

Alternate (4) is selected for this concept.

Alternate (1) was eliminated due to cost of the temporary detour and the need to acquire temporary easement and houses northeast of bridge in path of temporary detour. Alternate (2) was eliminated due to additional required right of way, an undesirable horizontal alignment shift complicated by the CR 10 (Prospect Road) intersection and houses noted in Alternate (1) above. Alternate (3) was eliminated due to additional cost of a bridge compared to a box culvert. Alternate (5) was eliminated due to deficient design live load (H 15) and long term maintenance cost.

Attachments:

1. Meeting Minutes,
2. Cost Estimates:
 - a. Alternate 1 - Construction including E&C
 - b. Alternate 4 - Construction including E&C
3. Typical Sections,
4. Need and Purpose Statement,
5. Traffic Assignments,
6. Flexible Pavement Design,
7. Bridge Inventory Data Listing,
8. Location and Design Notice (On Minor Projects),
9. Off-Site Detour Approval Request
10. Off-Site Detour Map
11. Plan & Profile of SR 83(Bostwick Hwy)
12. Plan & Profile of CR 10(Prospect Rd)

**CONCEPT MEETING MINUTES
DECEMBER 17, 2002**

CONCEPT MEETING FOR BRIDGE REPLACEMENT WORK ORDERS

W.O. #60 – SR 83/Bostwick Hwy over Little Sandy Creek

Project No.: BRST-2938(4), Morgan County

PI No.: 245400

LOCATION: GADOT District 2, Area 5 Office
Madison, GA

Attendees: Mark Holmberg – Heath & Lineback Engineers
Randy Boykin – Heath & Lineback Engineers
Scott Jordan – Heath & Lineback Engineers
Phillip Scarborough – GADOT District 2 Environmental
John McCarty – GDOT District 2 Right of Way
Todd Price – GDOT District 2 Traffic Operations
Alan Smith – GDOT District 2 Assistant Utility Engineer
Bryan K. Gibbs – GDOT District 2, Area 5 Engineer – Madison
Dan Langston – Mortgage Appraisal Service
Wayne Hardy – Walton EMC
Kenny Watkins – Bellsouth
Mark Craig – Morgan County

Mark Holmberg described the project and a brief overview of the concept report.

Utilities recommended off-site detour due to the large amounts of shoring and contractibility issues surrounding culvert stage construction.

County noted a new waterline to the east of the existing bridge and a reoccurring erosion problem associated with the cross-pipe under Prospect Rd.

Utilities noted EMC aerial facilities to the east of the existing bridge.

Bellsouth noted conduit and cable on existing bridge.

Right of Way asked about maximum driveway grades near the bridge due to how much the proposed grade is going to raise the existing roadway.

Environmental had no comments.

Area Engineer suggested doing both Big & Little Sandy Creek, bridge replacement projects at the same time utilizing Sandy Creek Rd. and Fairplay Rd. for off-site detours for both bridges.

County noted that Sandy Creek Rd. was repaved approximately 4 years ago and Fairplay Rd. is scheduled to be repaved in approximately 4 years.

Also it was discussed to shorten the contract time for this project to a year or less.

A PIM was also discussed to inform the public of the possible off-site detour.

PRELIMINARY COST ESTIMATE

DATE: January 14, 2003

PREPARED BY: Heath & Lineback Engineers, Inc.

PROJECT NO.: BRST-2938 (4)

P.I. NO.: 245400

LENGTH: 3000 ft. (0.57 mi.)

PROJECT DESCRIPTION: Bridge replacement of the SR 83/Bostwick Hwy over Little Sandy Creek.

PROPOSED CONCEPT: The proposed typical section consist of two 12'-0" travel lanes and 10'-0" rural shoulders. The proposed box culvert will be constructed on existing alignment with traffic detoured off-site during construction.

EXISTING ROADWAY: State Route 83

TRAFFIC: Existing: 3400 ADT (2010) Design: 5000 ADT (2020)

PROGRAMMING PROCESS CONCEPT DEVEL. DURING PROJ DEVEL.

PROJECT COSTS

20-Nov-02 ALTERNATE 1 - TEMPORARY BRIDGE ON-SITE DETOUR ALTERNATE
 DETAILED COST ESTIMATE FOR SR 83 OVER LITTLE SANDY CREEK
 PROJECT NO.: BRST-2938(4)
 P.I. NO.: 245400

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$43,674.07	1	\$43,674.07
310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL	SY	\$8.47	6876	\$58,235.96
318-3000	AGGR SURF CRS	TN	\$19.18	10	\$191.80
402-3142	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$53.63	789	\$42,312.46
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$34.80	1183	\$41,184.23
402-3140	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$35.66	538	\$19,188.87
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$25.92	50	\$1,781.00
413-1000	BITUM TACK COAT	GL	\$8.75	722	\$642.52
433-1000	REINF CONC APPROACH SLAB	SY	\$117.11	310	\$35,687.20
441-0301	CONC SPILLWAY, TP 1	EA	\$5,380.96	4	\$5,380.96
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$31.58	50	\$1,579.00
576-1015	SLOPE DRAIN PIPE, 15 IN	LF	\$23.33	80	\$1,866.40
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$956.06	4	\$3,824.24
641-1100	GUARDRAIL, TP T	EA	\$61.68	83	\$5,093.53
641-1200	GUARDRAIL, TP W	EA	\$9.87	388	\$3,824.63
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$483.87	2	\$967.74
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,331.30	2	\$2,662.60
				SUBTOTAL	\$268,097.21
EROSION CONTROL					
000-0000	EROSION CONTROL	LS	\$85,000.00	1	\$85,000.00
				SUBTOTAL	\$85,000.00
BRIDGE					
540-1102	REMOVAL OF EXISTING BR, BR NO.	LS	\$30,000.00	1	\$30,000.00
543-1001	CONSTRUCTION OF BRIDGE NO. 647/SF X 4253 SF)	LS	\$199,867.50	1	\$199,867.50
603-2024	STN DUMPED RIP RAP, TP 1, 18 IN	SY	\$45.29	200	\$9,058.00
				SUBTOTAL	\$238,925.50
TRAFFIC CONTROL - ON SITE DETOUR					
150-1000	TRAFFIC CONTROL	LS	\$75,000.00	1	\$75,000.00
150-5000	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	EA	\$471.31	20	\$9,426.20
622-1033	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	LF	\$35.42	750	\$26,565.00
				SUBTOTAL	\$110,991.20
TEMPORARY DETOUR ROAD & STRUCTURE					
210-0100	GRADING COMPLETE -	LS	\$97,777.78	1	\$97,777.78
402-3140	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$35.66	491	\$17,504.60
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$34.80	1964	\$68,329.80
402-3142	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$53.63	785	\$42,121.00
570-1000	CONSTR, MAINT & REMOVE DETOUR DRAINAGE STR, NO -		\$2,192.39	1	\$2,192.39
				SUBTOTAL	\$227,925.57
				CONSTRUCTION COST	\$930,939.49
CONSTRUCTION:	\$930,939.49	RIGHT OF WAY:	\$10,000.00		
E & C (10%):	\$93,093.95	ACQUIRED BY:	DOT		
INFLATION:	\$95,421.30	UTILITIES:	\$15,000.00		
(2 yrs. @ 5% per yr)					
TOTAL CONS'T COSTS	\$1,119,454.73				

ALTERNATE 1
NOT RECOMMENDED

PROJECT COSTS

20-Nov-02 ALTERNATE 4 - STAGED BRIDGE CULVERT CONSTRUCTION (ON-SITE DETOUR)

DETAILED COST ESTIMATE FOR SR 83 OVER LITTLE SANDY CREEK

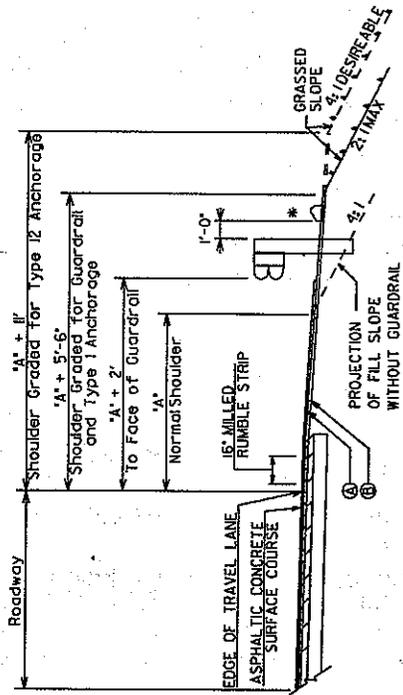
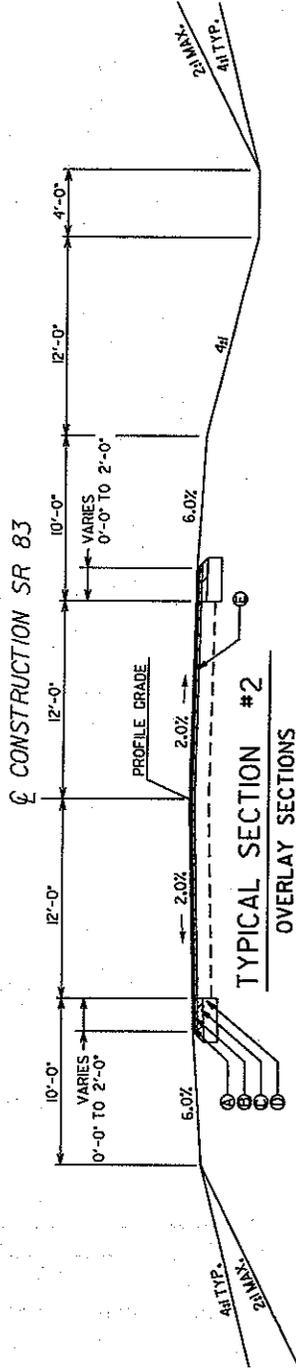
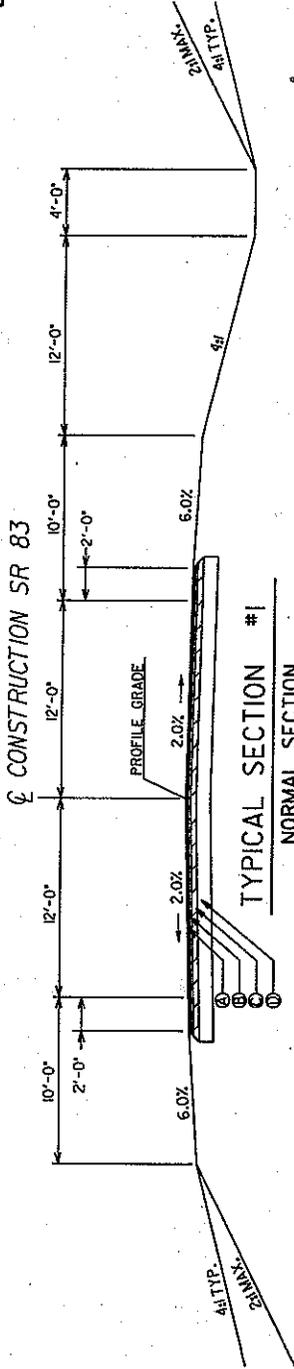
PROJECT NO.: BRST-2938(4)

P.I. NO.: 245400

ITEM NO.	ITEM	UNIT	UNIT COST	QUANT	TOTAL
ROADWAY					
210-0100	GRADING COMPLETE -	LS	\$43,674.07	1	\$43,674.07
310-5080	GR AGGR BASE CRS, 8 INCH, INCL MATL	SY	\$8.47	8089	\$68,512.89
318-3000	AGGR SURF CRS	TN	\$19.18	10	\$191.80
402-3142	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$53.63	928	\$49,779.37
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$34.80	1392	\$48,452.04
402-3140	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$35.66	670	\$23,896.66
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	\$35.62	50	\$1,781.00
413-1000	BITUM TACK COAT	GL	\$0.89	849	\$755.91
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	\$31.58	50	\$1,579.00
577-1100	METAL DRAIN INLET - COMPLETE ASSEMBLY	EA	\$956.06	4	\$3,824.24
641-1100	GUARDRAIL, TP T	LF	\$61.68	83	\$5,093.53
641-1200	GUARDRAIL, TP W	LF	\$9.87	388	\$3,824.63
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	\$483.87	2	\$967.74
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	\$1,331.30	2	\$2,662.60
				SUBTOTAL	\$254,995.47
EROSION CONTROL					
000-0000	EROSION CONTROL	LS	\$65,000.00	1	\$65,000.00
				SUBTOTAL	\$65,000.00
QUAD 10' X 10' BRIDGE CULVERT 120 FT LONG					
207-0203	FOUND BK FILL MATL, TP II	CY	\$34.94	800	\$27,952.00
500-3101	CLASS A CONCRETE	CY	\$359.76	673	\$242,118.48
511-1000	BAR REINF STEEL	LB	\$0.51	68889	\$35,133.39
540-1102	REMOVAL OF EXISTING BR, BR NO -	LS	\$30,000.00	1	\$30,000.00
603-2024	STN DUMPED RIP RAP, TP 1, 24 IN	SY	\$45.29	100	\$4,529.00
				SUBTOTAL	\$311,780.87
TRAFFIC CONTROL - ON SITE DETOUR					
150-1000	TRAFFIC CONTROL -	LS	\$75,000.00	1	\$75,000.00
150-5000	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	EA	\$471.31	20	\$9,426.20
622-1033	PRECAST CONCRETE MEDIAN BARRIER, METHOD 3	LF	\$35.42	500	\$17,710.00
				SUBTOTAL	\$102,136.20
TEMPORARY DETOUR ROAD					
210-0100	GRADING COMPLETE -	LS	\$37,333.33	1	\$37,333.33
402-3140	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$35.66	172	\$6,137.98
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	TN	\$34.80	689	\$23,959.80
402-3142	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL	TN	\$53.63	275	\$14,769.70
				SUBTOTAL	\$82,200.81
				CONSTRUCTION COST	\$816,113.36
CONSTRUCTION:	\$816,113.36	RIGHT OF WAY:	\$10,000.00		
E & C (10%):	\$81,611.34	ACQUIRED BY:	DOT		
INFLATION:	\$83,651.62	UTILITIES:	\$15,000.00		
(2 yrs. @ 5% per yr)					
TOTAL CONST COSTS	\$981,376.31				

NOTE: CONSTRUCTION COST DO NOT INCLUDED POSSIBLE ROAD IMPROVEMENT TO COUNTY ROADS

STATE	PROJECT NUMBER	SHEET TOTAL
GA	BRST-2938(14)	20



REQUIRED PAVEMENT

- (A) RECYCLED ASPH CONC 9.5 mm SUPERPAVE, GP 2 ONLY, INCL BITUM & H LIME (165 LBS/SY)
- (B) RECYCLED ASPH CONC 19 mm SUPERPAVE, GP 1OR 2, INCL BITUM MATL & H LIME (220 LBS/SY)
- (C) RECYCLED ASPH CONC 25 mm SUPERPAVE, GP 1OR 2, INCL BITUM MATL & H LIME (330 LBS/SY)
- (D) GR AGGR BASE CRS, 8 INCH, INCL MATL
- (E) RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME, AS REQD

* ASPHALTIC CONCRETE CURB PER SECTION 436 SHALL BE REQUIRED WHERE SPECIFIED. TYPICAL USE IS FOR EROSION PREVENTION OF HIGH FILL SLOPES, WHERE SPILLWAYS ARE REQUIRED.

TYPICAL SHOULDER DETAIL FOR GUARDRAIL AND ASPHALT SHOULDER
SEE PLAN FOR LOCATION

DATE	REVISIONS	DATE	REVISIONS

Need and Purpose Statement
Project BRST-2938(4) Morgan County
PI No. 245400
Bridge Replacement on SR 83 (Bostwick Highway)
Over Little Sandy Creek

Bridge project BRST-2938(4) will replace the structurally deficient bridge located on State Route 83 over Little Sandy Creek, approximately 4 miles south of Bostwick, Georgia. The bridge's sufficiency rating is 45.00. The Office of Bridge Maintenance has determined that any structure with a sufficiency rating less than 50 should be replaced rather than improved. This project will replace the existing bridge with a structurally adequate bridge.

State Route 83 is functionally classified as a rural major collector. The posted speed limit along SR 83 is 55 mph. The section where the proposed bridge project improvement would take place is a school bus route. SR 83 is not part of the Statewide Bicycle Plan. The bridge is located approximately 4 miles south of Bostwick, Georgia and was constructed in 1949. Trucks represent 8% of the traffic of SR 83. The Average Daily Traffic (ADT) along this section of highway for 2002 is 2,900. The projected ADT for the year 2010 is 3,400 and the projected (2020) ADT for this section of highway is 5,000. Currently no roadway improvements are in the Construction Work Program for SR 83 in this vicinity.

Replacing this bridge will bring it up to current design standards and in doing so will improve the operation and safety of this roadway.

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-2938(3)(4) Morgan
P.I. No. 245401 & 245400

OFFICE Environment/ Location

DATE May 23, 2002

FROM Harvey D. Keepler, State Environmental/ Location Engineer

TO James B. Buchan, P.E., State Consultant Design Engineer
Attn: Ted Cashin

SUBJECT P.I. 245401 – SR 83 @ Big Sandy Creek
P.I. 245400 – SR 83 @ Little Sandy Creek

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

Existing 2002 ADT = 2900
2010 ADT = 3400
2020 ADT = 5000
K = 9%
D = 60%
T = 8%
24 HR T = 10%
S.U. = 5%
COMB. = 5%

(These volumes apply to both projects.)

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

HDK:TJW

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: BRST-2938(4)

County: Morgan

P.I. no.: 245400

Description: Bridge Replacement on SR 83 over Little Sandy Creek

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 10.00%

AADT initial year of design period: 2,040 vpd (2010)

AADT final year of design period: 3,000 vpd (2020)

Mean AADT (one-way): 2,520 vpd

Design Loading

Mean AADT	LDL	Trucks	18-K ESAL	Total Daily Loads
2,520 *	1.00 *	0.100 *	1.06 =	268

Total predicted design period loading = 268 * 10 * 365 = 978,200

Design Data

Terminal Serviceability Index: 2.50

Soil Support: 2.50

Regional Factor: 1.60

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness mm	Thickness (in.)	Structural Coefficient	Structural Value
9.5 mm Superpave	38	(1.50)	0.0173	0.66
19 mm Superpave	51	(2.00)	0.0173	0.88
25 mm Superpave	25	(0.99)	0.0173	0.43
	51	(2.01)	0.0118	0.60
Graded Aggregate Base	203	(8.00)	0.0063	1.28

Required SN = 4.52

Proposed SN = 3.85

>>> Proposed pavement is 14.9% Underdesign <<<

Remarks: Work Order No. 60

Prepared by F. Randy Boykin November 19, 2002
Date

Recommended State Materials & Research Engineer Date

Approved State Consultant Design Engineer Date

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0016-0

Morgan

SUFF. RATING

45.00

Location & Geography

* Structure I.D.No: 211-0016-0

* 200 Bridge Information

* 6A Feature Int: LITTLE SANDY CREEK

* 6B Critical Bridge: 0

* 7A Route Number Carried: SR00083

* 7B Facility Carried: BOSTWICK HIGHWAY

* 9 Location: 4.6 MI SOUTH OF BOSTWICK

2 DOT District: 2

207 Year Photo: 1998

* 91 Inspection Frequency: 24 Date: 07/25/2000

92A Fract Crit Insp Freq: 00 Date: 02/01/1901

92B Underwater Insp Freq: 00 Date: 02/01/1901

92C Other Spc. Insp Freq: 00 Date: 02/01/1901

* 4 Place Code: 000000

* 5 Inventory Route (O/U): 1

Type: 3

Designation: 1

Number: 00083

Direction: 0

* 16 Latitude: 33-40.3 MMS Prefix: SR

* 17 Longitude: 83-29.8 MMS Suffix: 00 MP: 18.93

98 Border Bridge: 000 %Shared: 00

99 ID Number: 0000000000000000

* 100 STRAHNET: 0

12 Base Highway Network: 0

13A LRS Inventory Route:

13B Sub Inventory Route:

* 101 Parallel Structure: N

* 102 Direction of Traffic: 2

* 264 Road Inventory Mile Post: 018.56

* 208 Inspection Area: 02 Initials: JTB

Engineer's Initial:

* Location I.D. No.: 211-00083D-018.93N

Signs & Attachments

* 104 Highway System: 0

* 26 Functional Classification: 07

* 204 Federal Route Type: S No.: 02938

* 105 Federal Lands Highway: 0

* 110 Truck Route: 1

206 School Bus Route: 0561.20

217 Benchmark Elevation: 2

218 Datum: 03

* 19 Bypass Length: 3

* 20 Toll: 01

* 21 Maintenance: 01

* 22 Owner: 2

* 31 Design Load: 5

37 Historical Significance: 11

205 Congressional District: 1949

27 Year Constructed: 0000

106 Year Reconstructed: 0

33 Bridge Median: 00

34 Skew: 0

35 Structred Flared: 0

38 Navigation Control: 0

213 Special Steel Design: 5

267 Type of Paint: 1

* 42 Type of Service on: 5

214 Movable Bridge: 0

203 Type Bridge: E-N-M-O

259 Pile Encasement: 2

* 43 Structure Type Main: 4 02

45 No. Spans Main: 002

44 Structure Type Appr: 3 02

46 No. Spans Appr: 0001

226 Bridge Curve Horz: 0 Vert: 1

111 Pier Protection: 0

107 Deck Structure Type: 1

108 Wearing Surface Type: 1

M: 0

F: 0

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0016-0

Morgan

SUFF. RATING

45.00

Programming Data

201 Project No.: S-281 (2)
 202 Plans Available: 2
 249 Prop. Proj. No. BRST-2938 (4)
 250 Approval Status: 0000
 251 P.I. No.: 245400-
 252 Contract Date: 02/01/2008
 260 Seismic No.: 00000
 75 Type Work: 34 1
 94 Bridge Imp. Cost \$ 71
 95 Roadway Imp. Cos \$ 222
 96 Total Imp Cost: \$ 349
 76 Imp. Length: 001401
 97 Imp. Year: 1990
 114 Future ADT: 003300 Year: 2019

Measurements

* 29 ADT: 002200 Year: 1999
 109 % Trucks: 9
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0027
 * 49 Structure Length: 81
 51 Br. Rwdy. Width: 23.80
 52 Deck Width: 29.80
 * 47 Tot. Horz. Cl: 23.80
 50 Curb/Sdewik Width: 2.10/2.10
 32 Approach Rdwy Width: 024
 * 229 Shoulder Width:
 Rear Lt: 5.00 Type: 8 Rt: 5.00
 Fwrd Lt: 5.00 Type: 8 Rt: 5.00
 Pavement Width:
 Rear: 24.00 Type: 2
 Fwrd: 24.00 Type: 2
 Intersection Rear: 0 Fwrd: 1
 36 Safety Features Br. Rail:
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over:
 Under: N
 * 228 Min. Vertical Cl
 Act. Odm Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Underol. Rt: N 99.90
 56 Lateral Underol. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.50
 Deck Thick Approach: 7.50
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 1999 Sub: 1999

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0554.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00006
 Area Of Opening: 000310
 * 113 Scour Critical: 6
 216 Water Depth: 00.8 Br. Height: 15.4
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwrd: 0
 219 Fender System: 0
 220 Dolphin: 0
 223 Culvert Cover: 000
 Type: 0
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length: 0 Apron: 0 Diver: ZZZ
 * 265 U/W Insp. Area: 0

* Location I.D. No.: 211-00083D-018.93N

Ratings

65 Inventory Rating Method: 1
 63 Inventory Rating Method: 1
 66 Inventory Type: 2 Rating: 13
 64 Operating Type: 2 Rating: 29
 231 Calculated Loads
 H-Modified: 15 1
 HS-Modified: 25 0
 Type 3: 27 1
 Type 3s2: 40 0
 Timber: 32 1
 Piggyback: 40 0

261 H Inventory Rating: 10
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 7
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 6
 60B Scour Condition: 8
 60C Underwater Condition: N
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 6
 68 Deck Geometry: 2
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 3
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T
 232 Posted Loads H-Modified: 15
 HS-Modified: 00
 Type 3: 27
 Type3s2: 00
 Timber: 32
 Piggyback: 00
 253 Notification Date 02/01/1901
 253 Fed Notify Date: 02/01/1901

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. BRST-2938 (4)

P.I. No. 245400

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.

This project consists of improvements of SR 83/ Bostwick Hwy over Little Sandy Creek, located in Morgan County, G.M.D. 284.

Date of Location Approval: MARCH 4, 2003

Drawings and/or maps, and/or plats of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation.

Bryan Gibbs
District 2 – Area 5 Engineer
Email: bryan.gibbs@dot.state.ga.us
1570 Bethany Road
Madison, Georgia 30650
706-343-5836

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
Email: ted.cashin@dot.state.ga.us
Georgia Department of Transportation
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.

January 8, 2003

Mr. James B. Buchan, P.E.
Office of Consultant Design
Georgia Department of Transportation
State of Georgia
No. 2 Capitol Square, SW
Atlanta, Georgia 30334-1002
ATTN: Mr. Ted Cashin, P.E.

— RE: Off-Site Detours for:
Work Order No. 60 - SR 83 over Little Sandy Creek
Project No.: BRST-2938(4), Morgan County
P.I. No.: 245400
Work Order No. 65 - SR 83 over Big Sandy Creek
Project No.: BRST-2938(3), Morgan County
P.I. No.: 245401

Dear Ted:

Please find enclosed off-site detour routes for the referenced projects. The preferred conceptual traffic control alternates for these projects are off-site detours. During the Design Concept Team meeting on December 17, 2002, District 2 recommended that the same detour route be used for both projects. Since the detour route is located on county roads, we ask that a formal request from your office be sent to the District for Traffic Operations to investigate the feasibility of these detour routes.

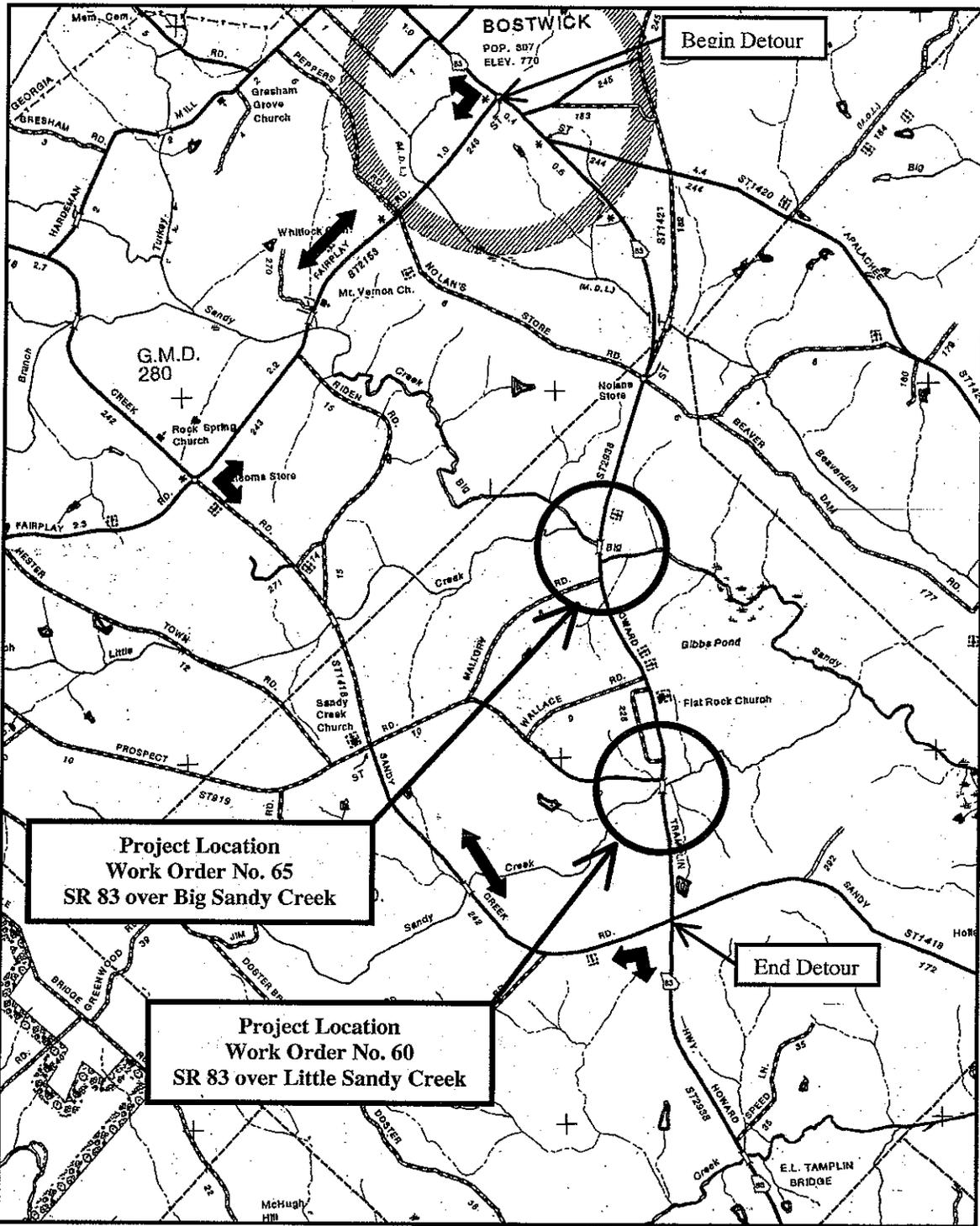
It is our understanding that District 2 Traffic Operations will coordinate with the local governments effected by the detour routes. Once a determination has been reached, please forward it to our office.

Sincerely yours,
Heath & Lineback Engineers, Inc.

Mark W. Holmberg, PE

Enclosure(s)

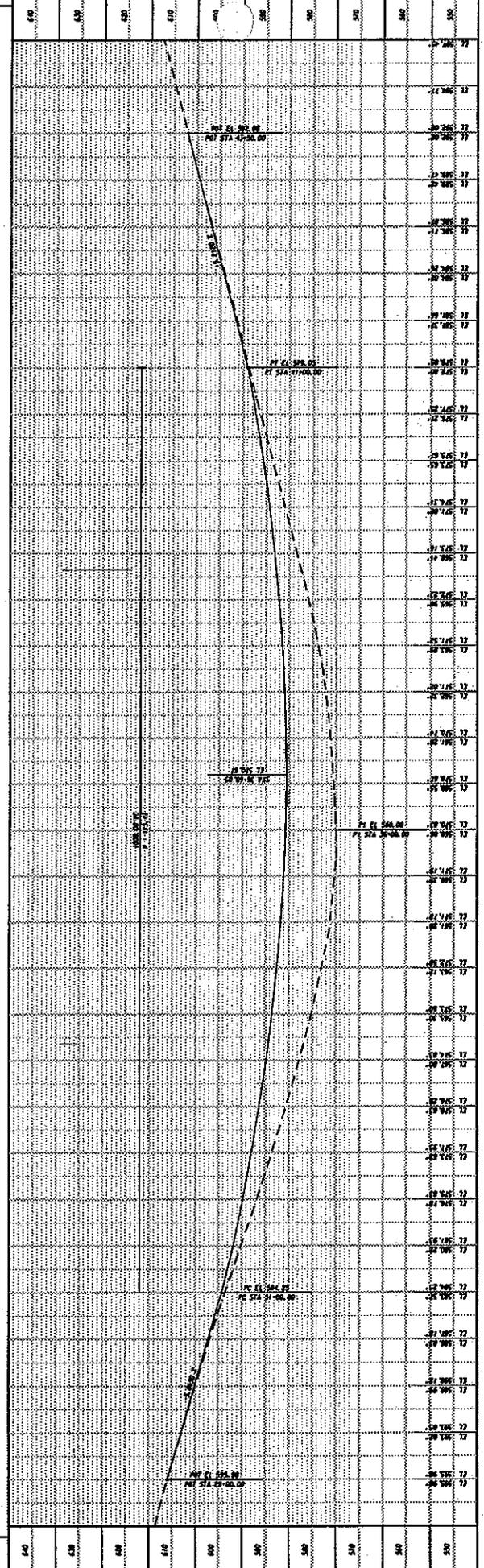
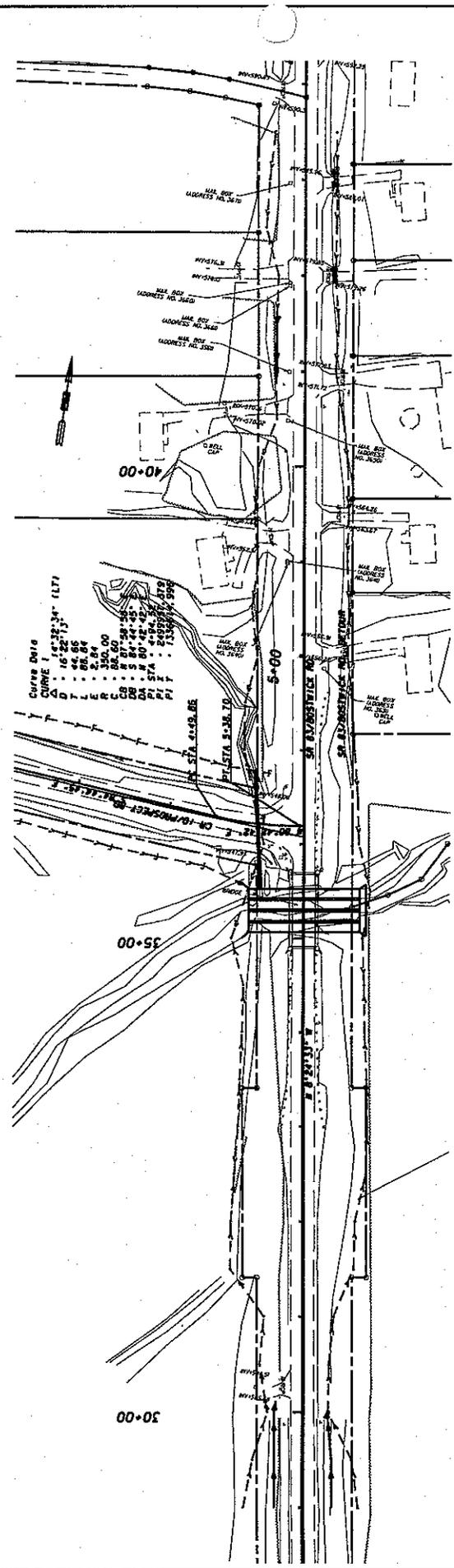
1031.060.009
1031.065.009



Scale: 1 inch = 1 mile

Work Order No. 60 & 65
 Proposed Detour Route – 7.8 miles
 Net Length – 6.0 miles

STATE PROJECT NUMBER
 GA. BRST-2938(4)



Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

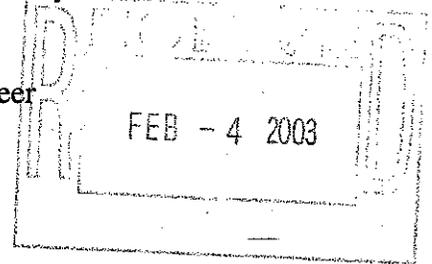
File: BRST-2938 (4), Morgan County
P.I. No. 245400

Office: Traffic Safety & Design
Atlanta, Georgia
Date: January 30, 2003

From: *PMA/sz* Phillip M. Allen, State Traffic Safety and Design Engineer

To: Meg Pirkle, 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 83 over Little Sandy Creek in Morgan 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
Ben Buchan, State Consultant Design Engineer
— Attention: Ted Cashin
Mike Thomas, District Engineer
Attention: George Brewer, District Design Engineer
David Mulling, State Review Engineer, w/ attachment
Marta Rosen, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Engineer
Chuck Hasty, TMC
General Files
Office Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



Project Manager

DATE 1-27-03



State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

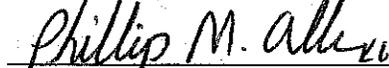
DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE 1/30/03



State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE _____

State 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-2938 (4)

County: Morgan

P. I. Number: 245400

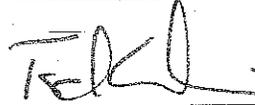
Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



Project Manager
James B. Buchanan MSCE

State Consultant Design Engineer

DATE 1-27-03

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

DATE 2/5/03


State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE _____

State 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-2938 (4)

County: Morgan

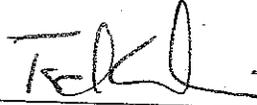
P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek
Recommendation for approval:

DATE 1-27-03



DATE 1-27-03

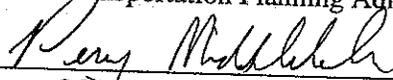
Project Manager
James B. Buchan *MSD*
State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE 1/31/03



State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE _____

State 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-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



DATE 1-27-03

Project Manager
James B. Buchanan
State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE 1/30/03

David J. Mullins
State 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-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



DATE 1-27-03

Project Manager
James B. Bucher *MSD*
State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 2/19/03

Michael L. Thomas
District 2 Engineer *DOB*

DATE _____

State 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-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE 1-27-03



DATE 1-27-03

Project Manager
James B. Buckner
State Consultant Design Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE _____

State Project Review Engineer

DATE 2/20/03

Paul V. Tuleja Jr.
State Bridge and Structural Design Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Office of Consultant Design

PROJECT CONCEPT REPORT

Project Number: BRST-2938 (4)

County: Morgan

P. I. Number: 245400

Federal Route Number: N/A

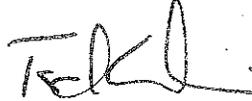
State Route Number: 83

DESCRIPTION: SR 83/ Bostwick Hwy over Little Sandy Creek

Recommendation for approval:

DATE

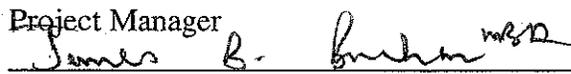
1-27-03



Project Manager

DATE

1-27-03



State Consultant Design Engineer

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

DATE _____

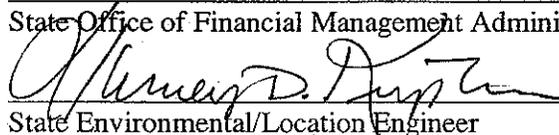
State Transportation Planning Administrator

DATE _____

State Office of Financial Management Administrator

DATE

2/7/03



State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

District 2 Engineer

DATE _____

State Project Review Engineer

DATE _____

State Bridge and Structural Design Engineer