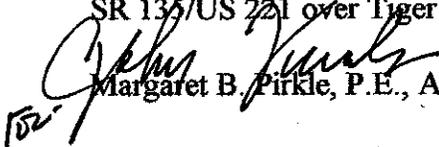


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-090-1(20) Coffee County **OFFICE** Preconstruction
P. I. No. 432117-
SR 135/US 221 over Tiger Creek **DATE** August 2, 2004

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

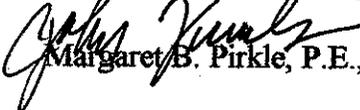
DISTRIBUTION:

- David Mulling
- Harvey Keeper
- Jerry Hobbs
- Jamie Simpson
- Michael Henry
- Phillip Allen
- Joe Palladi (file copy)
- Paul Liles
- Brent Story
- David Crim
- BOARD MEMBER**

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-090-1(20) Coffee County **OFFICE** Preconstruction
 P.I. No. 432117
 SR 135/US 221 over Tiger Creek **DATE** July 20, 2004

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

TO Paul V. Mullins, P.E., Chief Engineer

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a structurally deficient bridge on SR 135/US 221 over Tiger Creek, 6.0 miles northeast of Douglas, Georgia. The existing bridge, constructed in 1947, is load limited with a sufficiency rating of 68. The original design load capacity is H-15. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement. State Route 135 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 135 is functionally classified as a rural minor arterial. Traffic is projected to be 5,800 VPD and 9,000 VPD in the years 2009 and 2029 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a quadruple 10' x 6' reinforced concrete bridge culvert over Tiger 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 on-site detour.

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

This project will not require split funding because a cost analysis indicates widening the existing bridge would be more costly than replacement. Therefore, the existing structure will be replaced using "BR" funding. No additional funding source is required.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C and inflation)	BR \$656,000	\$327,000	Q10	2009
	STP -0-	\$328,000		
Right-of-Way	\$ 12,000	\$ 12,000		
Utilities*	LGPA	LGPA		

Paul V. Mullins

Page 2

BRST-090-1(20) Coffee

July 20, 2004

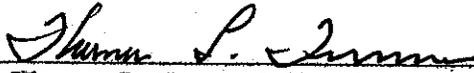
*Coffee County signed LGPA on 8-2-99 for utilities.

I recommend this project concept be approved.

MBP:JDQ/cj

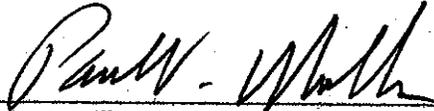
Attachment

CONCUR



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

APPROVE



Paul V. Mullins, P.E., Chief Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BRST-090-1(20) Coffee
P.I. No.: 432117
U.S. 221/S.R. 135 @ Tiger Creek

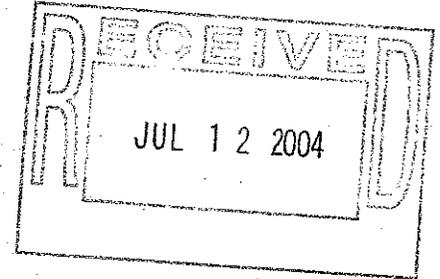
OFFICE: Engineering Services

DATE: July 1, 2004

FROM: David Mulling, Project Review Engineer *REW*

TO: Meg Pirkle, Assistant Director of Preconstruction

SUBJECT: CONCEPT REPORT



We have reviewed the Concept Report submitted July 1, 2004 by the letter from Jeff Bridges, dated June 29, 2004, and have the following comment.

- Indicate that this route is "U.S. 221" in the Heading above the sketch on Page 1 of the Concept Report.

The costs for the project are:

	Bridge Replacement		Bridge Widening
Construction	\$567,101		\$595,308
Inflation	\$28,355		\$29,765
E&C	\$59,546		\$62,507
Reimbursable Utilities	\$0.00	(LGPA)	\$0.00
Right of Way	\$12,000		\$10,000

NOTE: This project will require split funding since the bridge has a sufficiency rating above 50 and is to be replaced. The BR funding is the amount equal to the Bridge Widening costs. Other costs will have to come from other funding sources.

REW

c: David Crim, Attn.: Jeff Bridges

SCORING RESULTS AS PER MOG 2440-2

Project Number: BRST-090-1(20)		County: Coffee		PI No.: 432117	
Report Date: June 29, 2004		Concept By: DOT Office: District 4			
<input checked="" type="checkbox"/> Concept Stage		Consultant: N/A			
Project Type: Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input type="checkbox"/> Urban <input checked="" type="checkbox"/> Rural	<input type="checkbox"/> ATMS <input checked="" type="checkbox"/> Bridge 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	100				
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

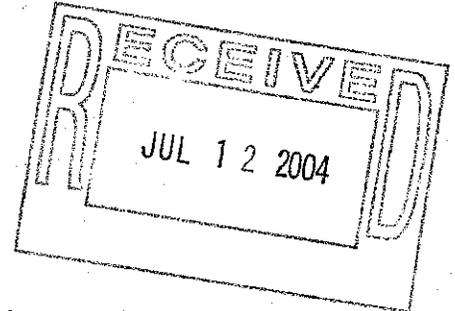
FILE BRST 090-1(20), Coffee County
PI No. 432117

OFFICE Tifton, GA
DATE June 29, 2004

FROM ^{JB} Jeff Bridges, District Design Engineer

TO Meg 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.

HJB;jb

Attachment

CC:

David Mulling, Project Review Engineer – Engineering Services
Harvey Keeper, State Environmental/Location Engineer
Phillip Allen, State Traffic Safety and Design Administrator
Joe Palladi, State Transportation Planning Administrator
Jamie Simpson, Financial Management Administrator
Paul Liles, State Bridge Engineer

28 June, 2004

State of Georgia
Department of Transportation

Project Concept Report Page: 3
Project Number: BRST 090-1(20)
P. I. Number: 432117
County: Coffee

Need and Purpose:

Bridge project BRST 090-1(20) will replace the structurally deficient bridge on SR 135/US 221 over Tiger Creek. This project is not associated with any other projects and has independent utility. The two-lane bridge was constructed in 1947 and is not a designated bike route.

The 2003 ADT is 4,800 vehicles per day which includes school bus traffic. Traffic for the construction year of 2009 has an estimated ADT of 5,800 vehicles per day. The design year (2029) ADT is projected to be 9,000 vehicles per day.

The existing bridge was originally constructed for H-15 live loading. The Structural Evaluation Rating for the bridge is a 6 and the Sufficiency Rating is a 68.33. In accordance with DOT MOG 2405-1, the existing bridge meets the established criteria for replacement.

Description of the project:

This project is located in Coffee County, approximately 6 miles northeast of Douglas, Georgia. The project lies within the 6th Land District, Land Lot No. 320, and Georgia Militia District 437.

This project will replace the narrow and structurally obsolete bridge on SR 135/US 221 at Tiger Creek with a new reinforced concrete bridge culvert. The proposed project will be approximately 0.30 miles in length.

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

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Rural Minor Arterial

U. S. Route Number(s): 221

State Route Number(s): 135

Traffic (AADT):

Current Year: (2009) 5800

Design Year: (2029) 9000

Project Concept Report Page: 4
Project Number: BRST 090-1(20)
P. I. Number: 432117
County: Coffee

Existing Design Features:

- Typical Section: Two lane roadway – 12'-0" travel lanes, grass shoulders, open drainage
- Posted Speed: 55 mph Maximum degree curvature: none
- Maximum Grade: 2.8%
- Width of right of way: 100 ft.
- Major structures: 108' x 24' concrete bridge
- Major interchanges or intersections along the project: none
- Existing length of roadway segment and the beginning mile logs for each county segment:
Existing Length: 0.30 miles; Begins at mile log 16.41

Proposed Design Features:

- Proposed typical section(s): Two lane roadway – 12' travel lanes, grass shoulders (2' paved), open drainage
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 3 % Maximum grade allowable: 5 %
- Proposed Maximum grade Side Street: N/A % Maximum grade allowable: N/A %
- Proposed Maximum grade driveway: 10 %
- Proposed Maximum degree of curve: none Maximum degree allowable: 5°56'
- Right off way
 - ⇒ Width: 120' to 160'
 - ⇒ Easements: Temporary , Permanent , Utility , Others
 - ⇒ Type of access control: Full , Partial , By Permit , Others
 - ⇒ Number of parcels: 4 Number of displacements:
 - ⇒ Business: 0
 - ⇒ Residents: 0
 - ⇒ Mobile homes: 0
 - ⇒ Others: 0
- Structures:
 - ⇒ Bridges: 4-barrel 10' x 6' reinforced concrete bridge culvert
 - ⇒ Retaining walls: none
- Major intersections and interchanges: none
- Traffic control during construction: Temporary On-site Detour

Project Concept Report Page: 5
Project Number: BRST 090-1(20)
P. I. Number: 432117
County: Coffee

• Design Exceptions to controlling criteria anticipated:

	UNDETERMINED	YES	NO
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SITE DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: none
- Environmental concerns: Wetland & Stream Impacts
- Level of environmental analysis:
 - ⇒ Are Time Saving Procedures appropriate? Yes , No
 - ⇒ Categorical Exclusion:
 - ⇒ Environmental Assessment/Finding of No Significant Impact (FONSI) , or
 - ⇒ Environmental Impact Statement (EIS) .
- Utility involvement: Alltel of GA, Charter Communications, Satilla EMC

Project responsibilities:

- ⇒ Design: GDOT
- ⇒ Right of Way Acquisition: GDOT
- ⇒ Relocation of Utilities: Utility Owners, Coffee County
- ⇒ Letting to contract: GDOT
- ⇒ Supervision of construction: GDOT
- ⇒ Providing detours: GDOT

Coordination:

- Initial Concept Meeting Date _____
- Concept Meeting Date June 24th, 2004
- P. A. R. Meeting Date _____
- Public involvement: None
- Local government comments: None
- Other projects in area: None
- Other coordination to date: None
- Railroads: None

28 June, 2004

State of Georgia
Department of Transportation

Project Concept Report Page: 6
Project Number: BRST 090-1(20)
P. I. Number: 432117
County: Coffee

Scheduling – Responsible Parties' Estimate

- Time to complete environmental process: 10 Months.
- Time to complete preliminary construction plans: 12 Months.
- Time to complete right of way plans: 2 Months.
- Time to complete the Section 404 Permit: 10 Months.
- Time to complete final construction plans: 10 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: None --- Months.

Other alternates considered:

- 1) A reinforced concrete bridge was considered. Preliminary hydraulic analysis determined a drainage area of 7.2 square miles and that a bridge culvert will satisfy hydraulic requirements.
- 2) An off-site detour using existing roads was considered. There are no other State Routes near the project site. There were two county routes considered but both have narrow structures and sub-standard horizontal/vertical geometry to accommodate the current traffic volume on SR 135.

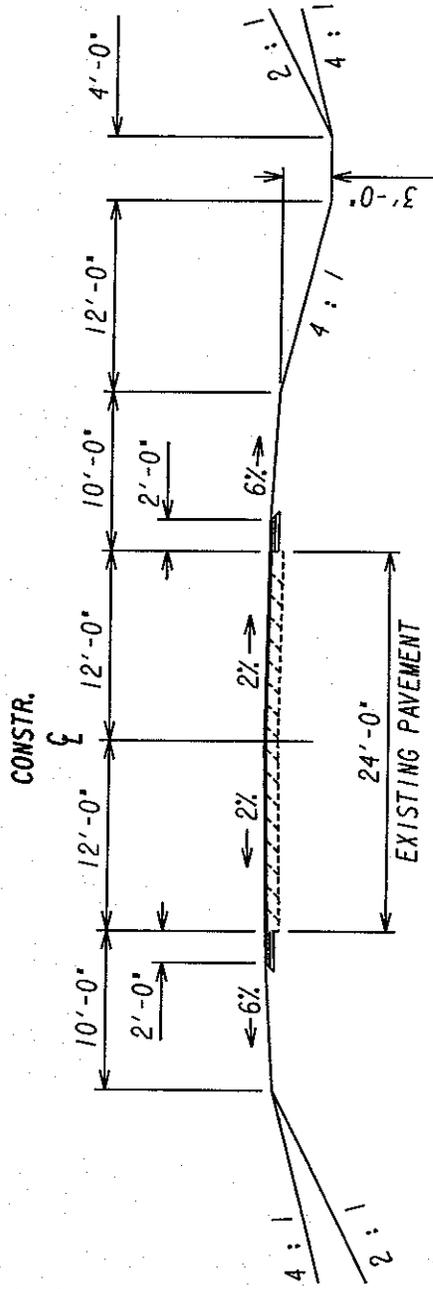
Comments:

Coffee County participates in the National Flood Insurance Program. The existing bridge is in a FEMA Special Flood Hazard Area but not within a studied area. Coordination with FEMA will not be required for this project.

Attachments:

1. Typical Section
2. Cost Estimates
3. Accident summaries
4. Traffic Assignments
5. Bridge inventory
6. Minutes of Initial Concept and Concept meetings
7. LGPA - Coffee County
8. Location and Design Notice

TYPICAL SECTION



OVERLAY SECTION

165 LBS/SY RECYCLED ASPHALT CONCRETE 12.5 mm SUPERPAVE

FULL-DEPTH SECTION

- 165 LBS/SY RECYCLED ASPHALT CONCRETE 12.5 mm SUPERPAVE
- 220 LBS/SY RECYCLED ASPHALT CONCRETE 19 mm SUPERPAVE
- 990 LBS/SY RECYCLED ASPHALT CONCRETE 25 mm SUPERPAVE

Estimate Report for file "432117"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	50000.00	TRAFFIC CONTROL - ON-SITE DETOUR	50000.0
210-0100	1.00	LS	116745.00	GRADING COMPLETE - 6.4 ac Clearing @ 500.00/ac - 22709-cy Borrow @ 5.00/cy	116745.0
318-3000	50.00	TN	15.07	AGGR SURF CRS	753.5
402-1812	185.00	TN	37.04	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	6852.4
402-3121	210.00	TN	35.39	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	7431.90
402-3130	540.00	TN	36.02	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	19450.80
402-3190	270.00	TN	37.68	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	10173.6
413-1000	485.00	GL	0.92	BITUM TACK COAT	446.20
550-2180	24.00	LF	22.34	SIDE DRAIN PIPE, 18 IN, H 1-10	536.16
550-3618	2.00	EA	452.47	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	904.94
634-1200	16.00	EA	86.96	RIGHT OF WAY MARKERS	1391.36
641-1200	700.00	LF	9.69	GUARDRAIL, TP W	6783.0
641-5001	2.00	EA	384.62	GUARDRAIL ANCHORAGE, TP 1	769.24
641-5012	2.00	EA	1258.53	GUARDRAIL ANCHORAGE, TP 12	2517.06
Section Sub Total:					\$224,755.16

Section BRIDGE CULVERT NO. 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
207-0203	173.00	CY	34.23	FOUND BK FILL MATL, TP II	5921.78
500-3101	330.00	CY	406.95	CLASS A CONCRETE	134293.5
511-1000	33436.00	LB	0.55	BAR REINF STEEL	18389.80
540-1101	1.00	LS	38880.00	REMOVAL OF EXISTING BR - 15.00/sf	38880.0
603-2182	200.00	SY	38.30	STN DUMPED RIP RAP, TP 3, 24 IN	7659.99
603-7000	200.00	SY	3.56	PLASTIC FILTER FABRIC	712.0
Section Sub Total:					\$205,857.09

Section ON-SITE DETOUR

Item Number	Quantity	Units	Unit Price	Item Description	Cost
402-3130	270.00	TN	36.02	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	9725.40
402-3190	600.00	TN	37.68	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	22608.0
413-1000	255.00	GL	0.92	BITUM TACK COAT	234.60
541-5420	1.00	LS	43200.00	DETOUR BRIDGE, 24 FT X 100 FT - 18.00/sf	43200.0
Section Sub Total:					\$75,768.00

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	8.00	SF	12.42	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	99.36
636-2070	22.00	LF	6.14	GALV STEEL POSTS, TP 7	135.07
652-5451	3200.00	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, WHITE	416.0
652-5452	400.00	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	52.0
652-6502	1600.00	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	160.0
654-1001	20.00	EA	3.21	RAISED PVMT MARKERS TP 1	64.2
654-1003	6.00	EA	3.60	RAISED PVMT MARKERS TP 3	21.6
Section Sub Total:					\$948.24

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3.00	AC	435.96	TEMPORARY GRASSING	1307.87
163-0240	87.00	TN	208.50	MULCH	18139.5
163-0300	4.00	EA	1019.44	CONSTRUCTION-EXIT	4077.76
163-0530	3000.00	LF	2.09	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	6270.0
165-0030	500.00	LF	1.32	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	660.0
165-0070	1500.00	LF	1.11	MAINTENANCE OF BALED STRAW EROSION CHECK	1665.00
165-0101	4.00	EA	329.55	MAINTENANCE OF CONSTRUCTION EXIT	1318.2
167-1000	2.00	EA	3269.60	WATER QUALITY MONITORING AND SAMPLING	6539.2
167-1500	12.00	MO	872.00	WATER QUALITY INSPECTIONS	10464.0
171-0030	1000.00	LF	3.30	TEMPORARY SILT FENCE, TYPE C	3300.0
Section Sub Total:					\$53,741.54

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	5.00	AC	725.80	PERMANENT GRASSING	3629.0
700-7000	10.00	TN	53.89	AGRICULTURAL LIME	538.9
700-7010	13.00	GL	17.54	LIQUID LIME	228.01
700-8000	4.00	TN	233.65	FERTILIZER MIXED GRADE	934.6
700-8100	500.00	LB	1.40	FERTILIZER NITROGEN CONTENT	700.0
Section Sub Total:					\$6,030.52

Total Estimated Cost: \$567,100.55

Subtotal Construction Cost \$567,100.55

E&C Rate 10.0 % \$56,710.06

Inflation Rate 5.0 % @ 1.0 Years \$31,190.53

Total Construction Cost \$655,001.14

Right Of Way \$12,000.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$667,001.14

Estimate Report for Bridge Widening (information only)

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	75000.00	TRAFFIC CONTROL - STAGE CONSTRUCTION	75000.0
210-0100	1.00	LS	56750.00	GRADING COMPLETE - 3.5 ac Clearing @ 500.00/ac - 11000 cy Borrow @ 5.00/cy	56750.0
318-3000	50.00	TN	15.07	AGGR SURF CRS	753.5
402-1812	155.00	TN	37.04	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	5741.2
402-3121	340.00	TN	35.39	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	12032.6
402-3130	395.00	TN	36.02	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	14227.90
402-3190	155.00	TN	37.68	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	5840.4
413-1000	280.00	GL	0.92	BITUM TACK COAT	257.6
433-1200	310.00	SY	107.84	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	33430.4
441-0301	2.00	EA	1471.18	CONC SPILLWAY, TP 1	2942.36
500-3101	1.00	CY	406.95	CLASS A CONCRETE	406.95
550-2180	24.00	LF	22.34	SIDE DRAIN PIPE, 18 IN, H 1-10	536.16
550-3618	2.00	EA	452.47	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	904.94
576-1018	50.00	LF	22.80	SLOPE DRAIN PIPE, 18 IN	1140.0
634-1200	8.00	EA	86.96	RIGHT OF WAY MARKERS	695.68
641-1100	84.00	LF	23.55	GUARDRAIL, TP T	1978.2
641-1200	425.00	LF	9.69	GUARDRAIL, TP W	4118.25
641-5001	2.00	EA	384.62	GUARDRAIL ANCHORAGE, TP 1	769.24
641-5012	2.00	EA	1258.53	GUARDRAIL ANCHORAGE, TP 12	2517.06
Section Sub Total:					\$220,042.44

Section TEMPORARY PAVING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
402-3112	145.00	TN	44.46	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	6446.7
402-3113	110.00	TN	42.05	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	4625.5
402-3190	215.00	TN	37.38	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	8036.70
413-1000	140.00	GL	0.91	BITUM TACK COAT	127.4
Section Sub Total:					\$19,236.30

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	8.00	SF	12.42	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	99.36
636-2070	22.00	LF	6.14	GALV STEEL POSTS, TP 7	135.07
652-5451	2584.00	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, WHITE	335.92
652-5452	400.00	LF	0.13	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	52.0
652-6502	1400.00	GLF	0.10	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	140.0
654-1001	16.00	EA	3.21	RAISED PVMT MARKERS TP 1	51.36
654-1003	6.00	EA	3.60	RAISED PVMT MARKERS TP 3	21.6
657-1054	216.00	LF	3.72	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	803.52
657-8054	108.00	GLF	2.17	PREFORMED PLASTIC SKIP PVMT MKG, 5 IN, YELLOW, TP PB	234.35
Section Sub Total:					\$1,873.20

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2.00	AC	435.96	TEMPORARY GRASSING	871.92
163-0240	47.00	TN	208.50	MULCH	9799.5
163-0300	4.00	EA	1019.44	CONSTRUCTION EXIT	4077.76
163-0530	2800.00	LF	2.09	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	5852.0
165-0030	500.00	LF	1.32	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	660.0
165-0070	1400.00	LF	1.11	MAINTENANCE OF BALED STRAW EROSION CHECK	1554.00
165-0101	4.00	EA	329.55	MAINTENANCE OF CONSTRUCTION EXIT	1318.2
167-1000	2.00	EA	3269.60	WATER QUALITY MONITORING AND SAMPLING	6539.2
167-1500	12.00	MO	872.00	WATER QUALITY INSPECTIONS	10464.0
171-0030	1000.00	LF	3.30	TEMPORARY SILT FENCE, TYPE C	3300.0
Section Sub Total:					\$44,436.58

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	3.00	AC	725.80	PERMANENT GRASSING	2177.39
700-7000	5.00	TN	53.89	AGRICULTURAL LIME	269.45
700-7010	7.00	GL	17.54	LIQUID LIME	122.78
700-8000	2.00	TN	233.65	FERTILIZER MIXED GRADE	467.3
700-8100	250.00	LB	1.40	FERTILIZER NITROGEN CONTENT	350.0
Section Sub Total:					\$3,386.93

Section BRIDGE NO. 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
543-9000	1.00	Lump Sum	270000.00	WIDEN EXISTING BRIDGE 20 FT @ 125.00/SF	270000.0
603-2024	900.00	SY	36.81	STN DUMPED RIP RAP, TP 1, 24 IN	33129.0
603-7000	900.00	SY	3.56	PLASTIC FILTER FABRIC	3204.0
Section Sub Total:					\$306,333.00

Total Estimated Cost: \$595,308.45**Subtotal Construction Cost \$595,308.45**

E&C Rate 10.0 % \$59,530.84

Inflation Rate 5.0 % @ 1.0 Years \$32,741.96

Total Construction Cost \$687,581.26

Right Of Way \$10,000.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$697,581.26

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-090-1 (20) Coffee
P.I. #432117

OFFICE Tifton

DATE June 16, 2004

FROM Tim Warren, P.E., District Utilities Engineer

TO Jeff Baker, P.E. State Utilities Engineer
Attn: Scott Greene

SUBJECT UTILITY COST ESTIMATE

A field review of utilities located on the above referenced project has been conducted. Listed below is a breakdown of reimbursable and non-reimbursable cost.

Satilla EMC		
Non-Reimbursable	=	\$ 7,500.00
Alltel of Georgia		
Non-Reimbursable	=	\$ 20,000.00
Charter Communications		
Non-Reimbursable	=	\$ 1,100.00
TOTAL-Non-Reimbursable	=	\$ 28,600.00

If additional information is needed, please contact Ken Cheek, Utilities Engineer at (229) 386-3288.

TW:BC:KC:sm

c: Tom Turner, Director of Preconstruction
 Jamie Simpson, State Financial Management Administrator
 Gerald Ross, State Road & Airport Design Engineer
 Paul V. Liles, State Bridge Engineer
 Ben Buchan, State Urban Design Engineer
 Brent Story, State Consultant Design Engineer
 Harvey Keepler, State Environmental/Location Engineer
 Phillip M. Allen, State Traffic Safety & Design Engineer

ACCIDENT QUERY SUMMARY

For Year(s): 2000,2001,2002,2003

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Vehicles	No. Injuries	No. Fatalities
2000	Coffee	State Route	013500	16.41	16.71	0	0	0	0
2000 SubTotal						0	0	0	0
2001	Coffee	State Route	013500	16.41	16.71	0	0	0	0
2001 SubTotal						0	0	0	0
2002	Coffee	State Route	013500	16.41	16.71	0	0	0	0
2002 SubTotal						0	0	0	0
2003	Coffee	State Route	013500	16.41	16.71	0	0	0	0
2003 SubTotal						0	0	0	0
All Year(s)Total						0	0	0	0

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE BRST-09-1(20) Coffee
P.I. No. 432117

OFFICE Environment/ Location

DATE June 10, 2003

FROM Harvey D. Keeper, State Environmental/ Location Engineer

TO David Crim, P.E., District Engineer, Tifton
Attn: Jeff Bridges

SUBJECT SR 135/US 221 @ Tiger Creek

We are furnishing estimated traffic assignments for both projects above as follows:

Existing 2003 ADT = 4800
2009 ADT = 5800
2029 ADT = 9000
K = 9%
D = 60%
T = 8%
24 HR T = 10%
S.U. = 4%
COMB. = 6%

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

HDK:TJW



Department of Transportation State of Georgia

J. TOM COLEMAN, JR.
COMMISSIONER
(404) 656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404) 656-5277

HAROLD E. LINNENKOHL
DEPUTY COMMISSIONER
(404) 656-5212

EARL MAHFUZ
TREASURER
(404) 656-5224

INTERDEPARTMENT CORRESPONDENCE

June 11, 2003

FROM: Buddy Gratton, P.E., State Maintenance Engineer

TO: David Crim, District Engineer, Tifton
Attn: Jeff Bridges

SUBJECT: Bridge Replacement

**BRST-90-1 (20) / Coffee County
Structure ID 069-0031-0
Location ID 069-00135D-016.62N
SR 135 / US 221 over Tiger Creek**

This bridge was built in 1947 and consists of concrete bents, steel beam superstructure, and a concrete deck. The original design load capacity is H-15. The sufficiency rating on the structure is 60.17, and the bridge is classified as Functionally Obsolete and requires widening. However, in accordance with DOT policy 2405-1, we recommend that this bridge be replaced though due to unacceptable 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 but does qualify for federal bridge widening funds, which can be used toward replacement up to the estimated cost of widening. The remaining funds would have to come from another funding source.

If further information is required, please contact Brian Summers at (404) 635-8179.

BG/BKS

cc: Percy Middlebrooks

Bridge Inventory Data Listing

Georgia Department of Transportation

68.33

SUFF. RATING:

Coffee

Structure ID: 069-0031-0

Location & Geography

* Structure ID: 069-0031-0
 * 200 Bridge Information: 07
 * 6A Feature Int: TIGER CREEK
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: SR00135
 * 7B Facility Carried: US 221
 * 9 Location: APP 6 MINE OF DOUGLAS
 * 2 DOT District: 4
 * 207 Year Photo: 2003
 * 91 Inspection Frequency: 24 Date: 11/06/2003
 * 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: 00000
 * 5 Inventory Route (O/U): 1

* 104 Highway System: 0
 * 26 Functional Classificati: 06
 * 204 Federal Route Type: F No. 00901
 * 105 Federal Lands Highway: 0
 * 110 Truck Route: 0
 * 206 School Bus Route: 1
 * 217 Benchmark Elevation: 0214.08
 * 218 Datum: 2
 * 19 Bypass Length: 05
 * 20 Toll: 3
 * 21 Maintenance: 01
 * 22 Owner: 01
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 01
 * 27 Year Constructed: 1947
 * 106 Year Reconstructed: 0000
 * 33 Bridge Median: 0
 * 34 Skew: 00
 * 35 Structure Flared: 0
 * 38 Navigation Control: 0 MP: 16.62
 * 213 Special Steel Design: 0
 * 267 Type of Paint: 2
 * 42 Type of Service on: 1
 * 214 Type of Service under: 5
 * 203 Movable Bridge: 0
 * 203 Type Bridge: D O M O
 * 259 Pile Encasement: 3
 * 43 Structure Type Main: 4
 * 45 No. Spans Main: 004
 * 44 Structure Type Appr: 0
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horz: 0 Vert: 0
 * 111 Pier Protection: 0
 * 107 Deck Structure Type: 1
 * 108 Wearing Surface Type: 1
 * Membrane Type: 0
 * Deck Protection: 0

Signs & Attachments

* 225 Expansion Joint Type: 02
 * 242 Deck Drains: 1
 * 243 Parapet Location: 0
 * Height: 0.00
 * Width: 0.00
 * 238 Curb Height: 1.20
 * Curb Material: 1
 * 239 Handrail: 1
 * 240 Median Barrier Rail: 1
 * 241 Bridge Median Height: 0
 * Bridge Median Width: 0.00
 * 230 Guardrail Loc. Dir. Rear: 3
 * Fwrd: 3
 * Oppo. Dir. Rear: 0
 * Oppo. Fwrd: 0
 * 244 Approach Slab: 3
 * 224 Retaining Wall: 0
 * 233 Posted Speed Limit: 55
 * 236 Warning Sign: 1
 * 234 Delineator: 1
 * 235 Hazzard 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

HMMS Prefix: SR
 HMMS Suffix: 00
 % Shared: 00
 00000000000000000000
 691013500
 016.55
 Initials: BCN
 jal

* Location I.D. No.: 069-00135D-016.62N



ORIGINAL

Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

July 8, 1999

WAYNE SHACKELFORD
COMMISSIONER
(404)656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404)656-5277

STEVEN L. PARKS
DEPUTY COMMISSIONER
(404)656-5212

BILLY F. SHARP
TREASURER
(404)656-5224

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, COFFEE County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRST-090-1(20) COFFEE CO., PI # 432117-:

BRIDGES

SR 135/US 221 @ TIGER CREEK APP 6 MI NE OF DOUGLAS

Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.

Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.

Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.

Furnish detours, local borrow & waste pits as needed.

We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This 2nd day of August, 1999

APPROVED [Signature]

City/County Official



NOTICE OF LOCATION AND DESIGN APPROVAL

**BRST 090-1(20), Coffee County
PI No. 432117**

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 AUGUST 2, 2004.

Description of the project:

This project is located in Coffee County, approximately 6 miles northeast of Douglas, Georgia on SR 135/US 221. The project lies within the 6th Land District, Land Lot No. 320, and Georgia Militia District 437.

The project will replace the narrow and structurally obsolete bridge on SR 135/US 221 at Tiger Creek with a new reinforced concrete bridge culvert. The proposed project will be approximately 0.30 miles in length.

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:

Keith Carver, Area Engineer
keith.carver@dot.state.ga.us
1835 S. Peterson Ave. Douglas, GA 31535
(912) 389-4201

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:

Jeff Bridges, District Design Engineer
jeff.bridges@dot.state.ga.us
Georgia Department of Transportation
PO Box 7510
Tifton, GA 31793
(229) 386-3300

Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, Ga.

Project Number: BRST 090-1(20)

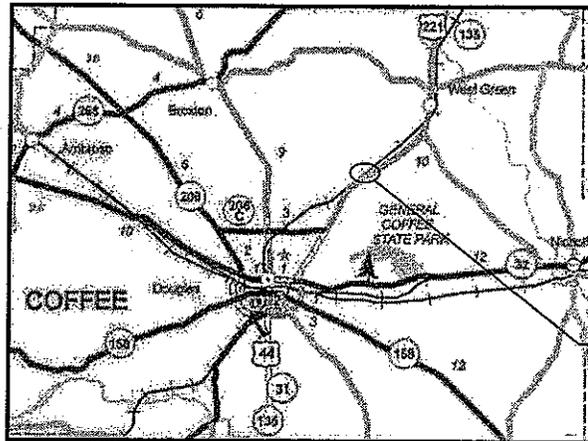
County: Coffee

P. I. Number: 432117

Project Concept Report

Federal Route Number: N/A

State Route Number: 135



Project Location

Bridge Replacement: SR 135/US 221 @ Tiger Creek northeast of Douglas, GA

Recommended for approval:

DATE: 6/28/2004

DATE: 6/29/04

Jeff B...
Project Manager

District Engineer

This 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: 7/1/04

Joseph P...
State Transportation Planning Administrator

DATE: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRST-090-1(20), Coffee County
P.I. No. 432117

Office: Traffic Safety & Design
Atlanta, Georgia

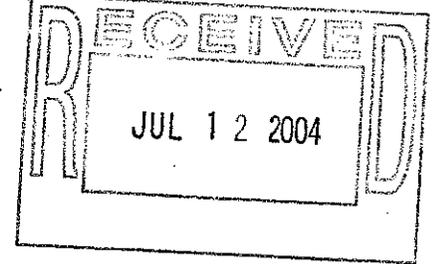
Date: July 2, 2004

PMA/sg

From: 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 SR 135 / US 221 over Tiger Creek in Coffee 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
David Crim, District Engineer
Attention: Jeff Bridges, District Design Engineer
David Mulling, State Review Engineer, w/ attachment
Joe Palladi, State Transportation Planning Administrator
Paul Liles, State Bridge & Structural Design Engineer
General Files
Office Files

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, Ga.

Project Number: BRST 090-1(20)

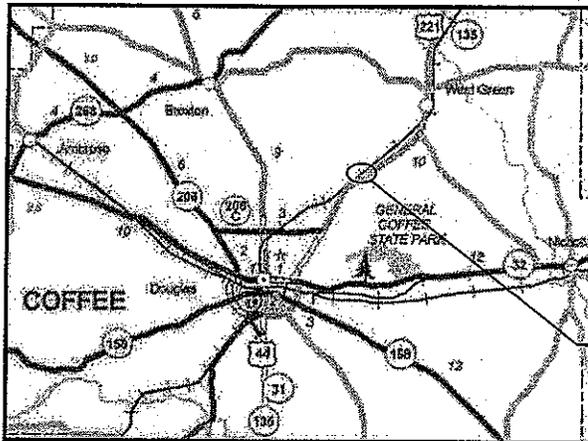
County: Coffee

P. I. Number: 432117

Project Concept Report

Federal Route Number: N/A

State Route Number: 135



Project Location

Bridge Replacement: SR 135/US 221 @ Tiger Creek northeast of Douglas, GA

Recommended for approval:

DATE: 6/28/2004

DATE: 6/29/04

Project Manager

District Engineer

This 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: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: 7-6-04

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. Nos. 432117

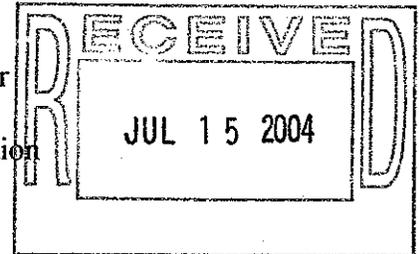
OFFICE: Environment/Location

DATE: July 13, 2004

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

TO: Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT: **PROJECT CONCEPT REPORT**
BRST-090-1(20) / Coffee County



The above subject concept report has been reviewed. This Office has no comment at this time.

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

HDK/lc

cc: David Mulling, P.E., Project Review Engineer
Jeff Bridges, District Design Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, Ga.

Project Number: BRST 090-1(20)

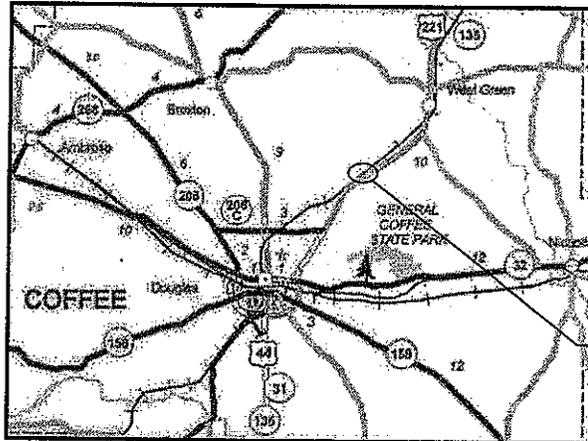
County: Coffee

P. I. Number: 432117

Project Concept Report

Federal Route Number: N/A

State Route Number: 135



Project Location

Bridge Replacement: SR 135/US 221 @ Tiger Creek northeast of Douglas, GA

Recommended for approval:

DATE: 6/28/2004

DATE: 6/29/04

Project Manager

District Engineer

This 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: _____

Financial Management Administrator

DATE: 7.13.2004

State Environmental Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, Ga.

Project Number: BRST 090-1(20)

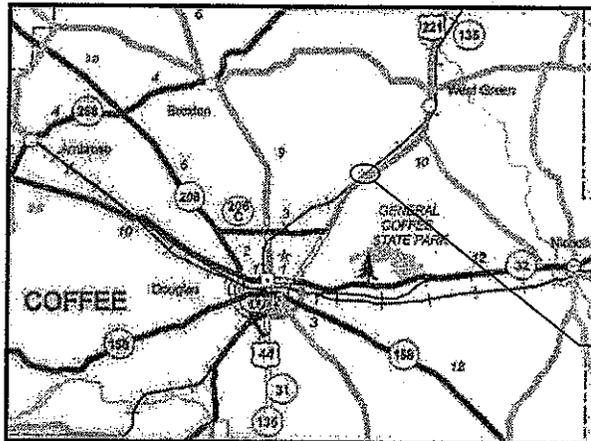
County: Coffee

P. I. Number: 432117

Project Concept Report

Federal Route Number: N/A

State Route Number: 135



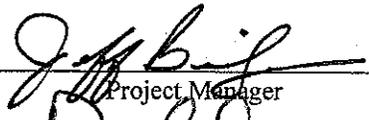
Project Location

Bridge Replacement: SR 135/US 221 @ Tiger Creek northeast of Douglas, GA

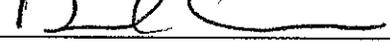
Recommended for approval:

DATE: 6/28/2004

DATE: 6/29/04



 Project Manager



 District Engineer

This 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: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

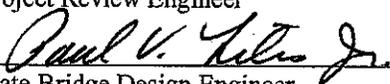
DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: 7/16/04



 State Bridge Design Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 - Tifton, Ga.

Project Number: BRST 090-1(20)

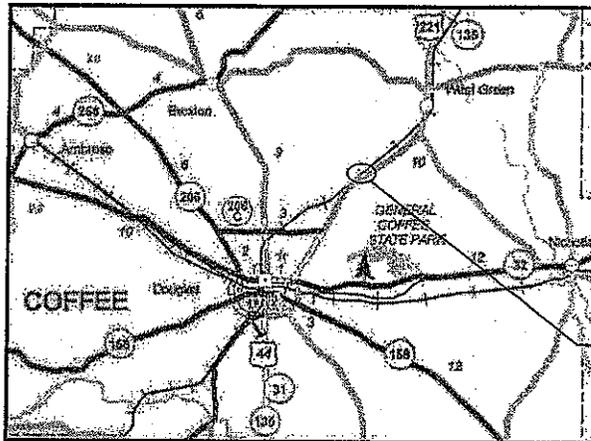
County: Coffee

P. I. Number: 432117

Project Concept Report

Federal Route Number: ~~N/A~~ ²²¹

State Route Number: 135



Project Location

Bridge Replacement: SR 135/US 221 @ Tiger Creek northeast of Douglas, GA

Recommended for approval:

DATE: 6/28/2004

DATE: 6/29/04

Jeff Bil
Project Manager

District Engineer

This 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: _____

Financial Management Administrator

DATE: _____

State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: 7-1-04

David J. Mullens
Project Review Engineer

DATE: _____

State Bridge Design Engineer