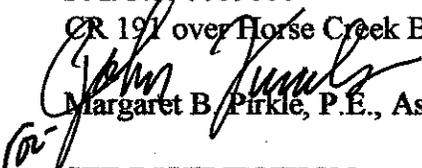


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRG-0005-00(880) Worth County **OFFICE** Preconstruction
P. I. No. 0005880
CR 191 over Horse Creek Bridge Replacement **DATE** November 15, 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

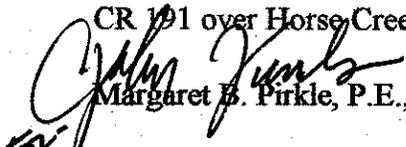
DISTRIBUTION:

David Mulling
Harvey Keeper
Ken Thompson
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 BRG-0005-00(880) Worth County **OFFICE** Preconstruction
P.I. No. 0005880
CR 191 over Horse Creek Bridge Replacement **DATE** October 25, 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 CR 191/Cane Mill Road over Horse Creek, 9.5 miles south of Sylvester, Georgia. The existing bridge, constructed in 1970, is load limited with a sufficiency rating of 35. County Road 191 at this location is a rural two lane roadway with 10' travel lanes with rural shoulders. Traffic is projected to be 200 VPD and 300 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 160' x 28' concrete bridge over Horse Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 5' rural shoulders. The existing roadway will be closed during construction. Worth County is responsible for the signing and maintenance of detour routes.

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.

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)	\$758,000	\$450,000	Q11	2008
Right-of-Way & Utilities*	Local	Local		

*Worth County signed LGPA on 4-4-03 for right-of-way and utilities.

Paul Mullins
Page 2

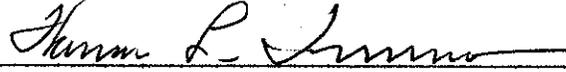
BRG-0005-00(880) Worth
October 25, 2004

I recommend this project concept be approved.

MBP:JDQ/cj

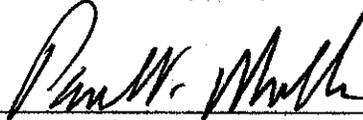
Attachment

CONCUR



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

APPROVE



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

SCORING RESULTS AS PER TOPPS 2440-2

Project Number: BRG-0005-00(880)		County: Worth		P.I. No.: 0005880	
Report Date: October 18, 2004		Concept By: GDOT 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 Reconstruct. <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				

NOTICE OF LOCATION AND DESIGN APPROVAL

**BRG-0005-00(880), Worth County
PI No. 0005880**

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 NOVEMBER 15, 2004.

Description of the project:

This project will replace the structurally deficient bridge on County Road 91/Cane Mill Road at Horse Creek with a new reinforced concrete bridge. This project is located in Worth County, approximately 9.5 miles south of Sylvester Georgia, in the 7th Land District, Land Lot No. 126, 127, and Ga. Militia District 1591. The proposed project will be approximately 0.47 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:

Graylin Duncan, Area Engineer
Georgia Department of Transportation
2060 Newton Road
Albany, GA 31701
(229) 430-4198
graylin.duncan@dot.state.ga.us

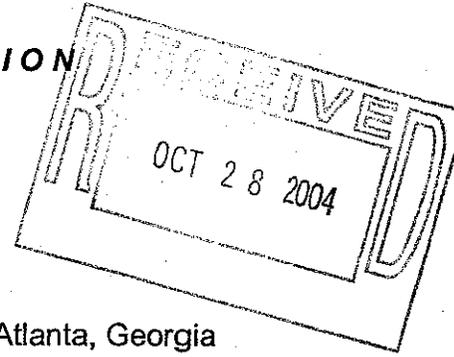
Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee and requesting in writing to:

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

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

INTERDEPARTMENT CORRESPONDENCE



FILE BRG-0005-00(880) Worth **OFFICE** Atlanta, Georgia
P.I. No.: 0005880
CR 91 @ Horse Creek

DATE October 27, 2004

FROM David T. Mulling, Project Review Engineer *REW*

TO Meg Pirkle, Assistant Director of Preconstruction

SUBJECT CONCEPT REPORT

We have reviewed the Concept Report submitted October 21, 2004 by the letter from Jeff Bridges, dated October 18, 2004, and have no additional comments:

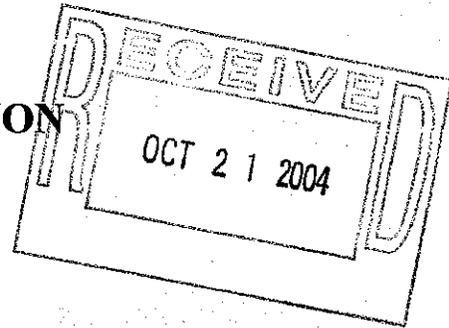
The costs for the project are:

Construction	\$656,265
Inflation	\$32,815
E & C	\$68,910
Reimbursable Utilities	\$0.00(LGPA)
Right of Way	\$14,000 (LGPA)

REW

c: David Crim, Attn.: Jeff Bridges

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**



INTERDEPARTMENT CORRESPONDENCE

FILE BRG 0005-00(880), Worth County **OFFICE** Tifton, GA
PI No. 0005880 **DATE** October 18, 2004

FROM Jeff Bridges^{JB}, 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 Keepler, 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

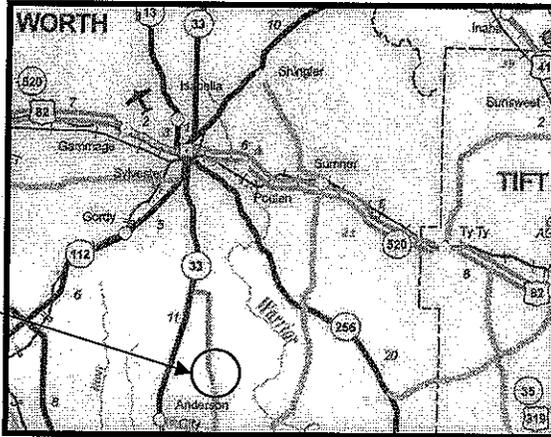
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 – Tifton, GA**

Project Number: BRG-0005-00(880)
County: Worth
P. I. Number: 0005880

Project Concept Report

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

Project Location



Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bink
Project Manager
DCC
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: _____

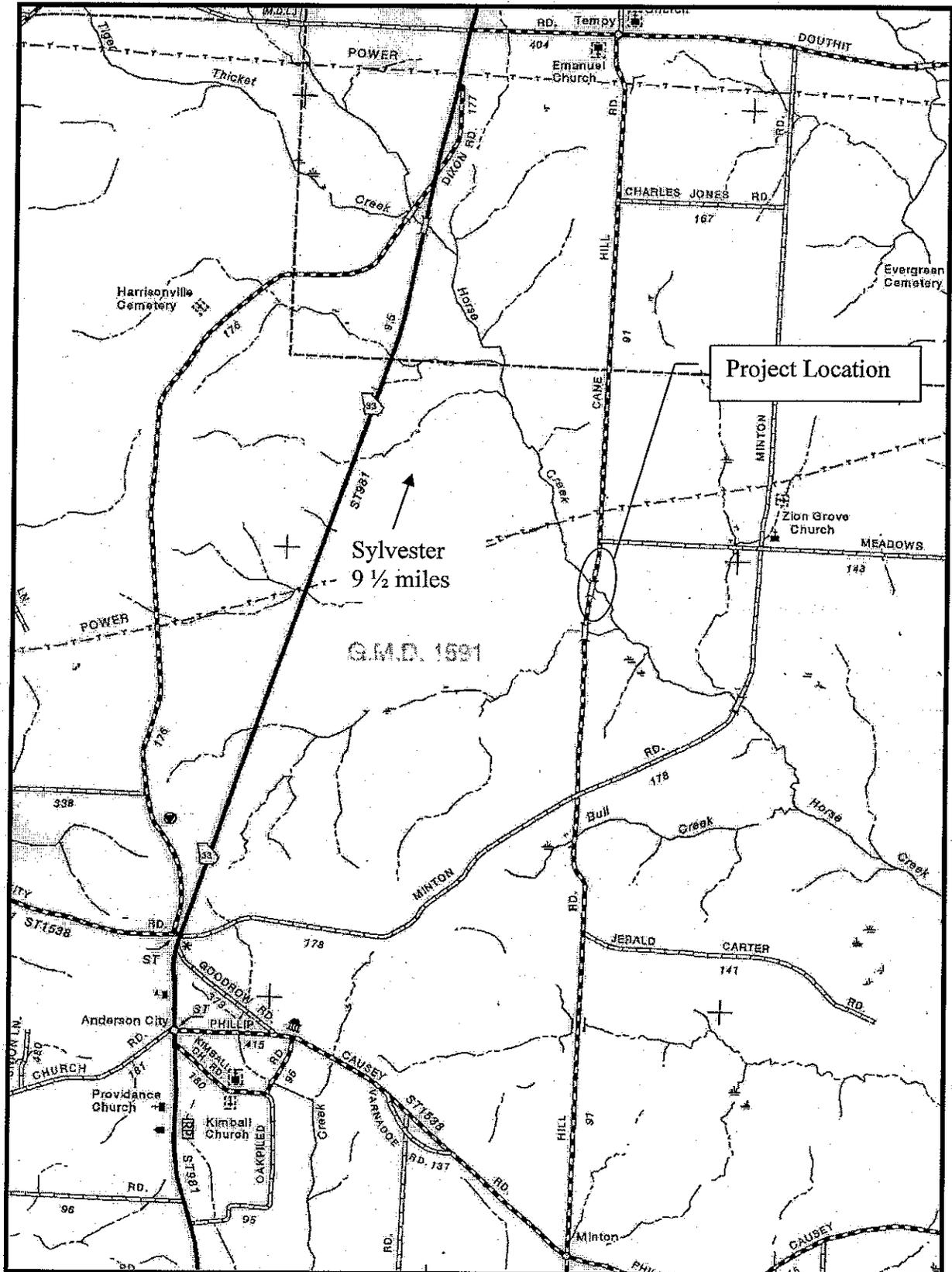
Project Review Engineer

DATE: _____

State Bridge Design Engineer

18 October, 2004

Project Concept Report Page: 2
Project Number: BRG-0005-00(880)
P. I. Number: 0005880
County: Worth



18 October, 2004

State of Georgia
Department of Transportation

Project Concept Report Page: 3
Project Number: BRG-0005-00(880)
P. I. Number: 0005880
County: Worth

Need and Purpose:

The existing bridge on County Route 91 (Cane Mill Road) over Horse Creek approximately 9.5 miles south of Sylvester carried an average of 176 vehicles per day in the year 2004, which included school bus traffic. This traffic volume represents a Level-of-Service "A", which is acceptable. This two-lane bridge was constructed in 1970 and is not on a designated bike route.

The substructure condition code for the bridge is a 4 and the sufficiency rating is a 35.26. In accordance with GDOT MOG 2405-1, a substructure condition code rating of 4 or less and a sufficiency rating less than 50 requires the bridge be replaced. This bridge meets the policy for replacement.

For the year 2010, the traffic volume is projected to be 200 vehicles per day. By the year 2030, traffic volume is projected to grow to 300 vehicles per day. For both conditions, the Level-of-Service will be "A", which is acceptable.

Because the bridge is considered structurally deficient, GDOT has a proposed project BRG-0005-00(880) to replace the bridge with a new structure. There are no other associated projects in the area and this project has independent utility.

This project does not disproportionately burden or benefit any particular community. The project is surrounded by mainly wooded/agricultural land that is undeveloped. Minority populations for census tract 133219506 south of the project and census tract 133219504 to the north of the project are 15.4% and 21.4% respectively. The average minority population of the state of Georgia is 38% and of Worth County is 31.3% according to the 2000 Census Data. Approximately 18.5% of Worth County residents are below the poverty level compared to a state average of 13%. The project is considered to be a benefit to all of the communities that use the bridge because of the improved bridge condition.

Description of the project:

This project will replace the structurally deficient bridge on County Road 91/Cane Mill Road at Horse Creek with a new reinforced concrete bridge. This project is located in Worth County, approximately 9.5 miles south of Sylvester Georgia, in the 7th Land District, Land Lot No. 126, 127, and Ga. Militia District 1591. The proposed project will be approximately 0.47 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 Local

U. S. Route Number(s): None

State Route Number(s): None

Project Concept Report Page: 4
Project Number: BRG-0005-00(880)
P. I. Number: 0005880
County: Worth

Traffic (AADT):

Current Year: (2010) 200 Design Year: (2030) 300

Existing Design Features:

- Typical Section: Two-lane roadway - one 10'-0" travel lane in each direction
- Posted Speed 55 mph Maximum degree curvature 1°30'
- Maximum Grade: 3 %
- Width of right of way: 80 ft.
- Major structures: 144' x 24' concrete/steel bridge with timber pilings
- Major interchanges or intersections along the project: none
- Existing length of roadway segment and the beginning mile logs for each county segment: Project begins at Mile Log 4.82 and extends north 0.47 miles.

Proposed Design Features:

- Proposed typical section(s): Two-lane roadway - one 12' travel lane in each direction
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 3 % Maximum grade allowable 7 %
- Proposed Maximum grade Side Street n/a % Maximum grade allowable n/a %
- Proposed Maximum grade driveway 10 %
- Proposed Maximum degree of curve 1°30' Maximum degree allowable 5°56'
- Right off way
 - ⇒ Width: 150 ft.
 - ⇒ Easements: Temporary , Permanent , Utility , Others
 - ⇒ Type of access control: Full , Partial , By Permit , Others
 - ⇒ Number of parcels 7 Number of displacements:
 - ⇒ Business: 0
 - ⇒ Residents: 0
 - ⇒ Mobile homes: 0
 - ⇒ Others: 0
- Structures:
 - ⇒ Bridges: 160' X 28' Reinforced Concrete Bridge
 - ⇒ Retaining walls: None
- Major intersections and interchanges: none
- Traffic control during construction: Road closure, off-site detour by Worth County

Project Concept Report Page: 5
Project Number: BRG-0005-00(880)
P. I. Number: 0005880
County: Worth

- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
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 anticipated
- Environmental concerns: Wetland Impacts, Possible Stream Buffer Variance
- 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: Bell South

Project responsibilities:

- ⇒ Design, GDOT
- ⇒ Right of Way Acquisition, Worth County
- ⇒ Relocation of Utilities, Utilities Owners, Worth County
- ⇒ Letting to contract, GDOT
- ⇒ Supervision of construction, GDOT
- ⇒ Providing material pits, n/a
- ⇒ Providing detours, Worth County

Coordination:

- Initial Concept Meeting Date _____
- Concept Meeting Date Oct. 13, 2004
- P. A. R. Meeting Date _____
- Public involvement: Detour Meeting
- Local government comments: None
- Other projects in area: None
- Other coordination to date: None
- Railroads: None

18 October, 2004

State of Georgia
Department of Transportation

Project Concept Report Page: 6
Project Number: BRG-0005-00(880)
P. I. Number: 0005880
County: Worth

Scheduling – Responsible Parties' Estimate

- Time to complete environmental process: 12 Months.
- Time to complete preliminary construction plans: 15 Months.
- Time to complete right of way plans: 3 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 10 Months.
- Time to complete to purchase right of way: 10 Months.
- List other major items that will affect the project schedule: None

Other alternates considered:

A reinforced bridge culvert was considered. Due to the drainage area of approximately 27 square miles, a concrete bridge is proposed.

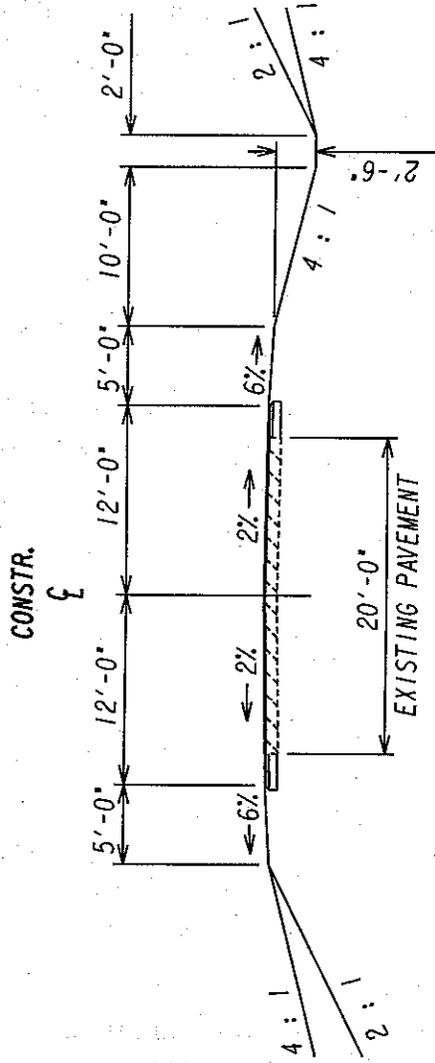
Comments:

Coordination with FEMA will not be required as there has been no special study at this site for Flood Insurance Rate Maps.

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 - Signed by Worth 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

6" GRADED AGGREGATE BASE

Estimate Report for file "5880"

Section ROADWAY

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	15000.00	TRAFFIC CONTROL - BRG-0005-00(880)	15000.0
210-0100	Lump	LS	60750.00	GRADING COMPLETE - 10,750 CY BORROW @ \$5.00/CY, 7 AC CL & GR @ \$1000.00/AC	60750.0
310-5060	3725.00	SY	6.33	GR AGGR BASE CRS, 6 INCH, INCL MATL	23579.25
318-3000	500.00	TN	15.21	AGGR SURF CRS	7605.0
402-1812	300.00	TN	38.28	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	11484.0
402-3113	550.00	TN	44.70	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	24585.0
402-3190	390.00	TN	39.07	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	15237.3
413-1000	485.00	GL	0.94	BITUM TACK COAT	455.9
433-1200	204.00	SY	109.83	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	22405.32
441-0301	2.00	EA	1512.99	CONC SPILLWAY, TP 1	3025.98
500-3101	1.00	CY	411.37	CLASS A CONCRETE	411.37
550-2180	48.00	LF	22.68	SIDE DRAIN PIPE, 18 IN, H 1-10	1088.63
550-2240	24.00	LF	29.66	SIDE DRAIN PIPE, 24 IN, H 1-10	711.84
550-3618	4.00	EA	451.91	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	1807.64
550-3624	2.00	EA	760.65	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	1521.3
576-1015	50.00	LF	21.33	SLOPE DRAIN PIPE, 15 IN	1066.5
634-1200	24.00	EA	83.29	RIGHT OF WAY MARKERS	1998.96
636-1020	10.00	SF	12.90	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	129.0
636-2070	28.00	LF	6.44	GALV STEEL POSTS, TP 7	180.32
641-1100	84.00	LF	22.97	GUARDRAIL, TP T	1929.48
641-1200	536.00	LF	10.94	GUARDRAIL, TP W	5863.84
641-5001	2.00	EA	419.24	GUARDRAIL ANCHORAGE, TP 1	838.48
641-5012	2.00	EA	1379.58	GUARDRAIL ANCHORAGE, TP 12	2759.16
Section Sub Total:					\$204,434.28

Section SIGNING & MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	10.00	SF	12.90	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	129.0
636-2070	28.00	LF	6.44	GALV STEEL POSTS, TP 7	180.32
652-5451	5000.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	600.0
652-5452	5000.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	600.0
Section Sub Total:					\$1,509.32

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3.00	AC	444.94	TEMPORARY GRASSING	1334.82
163-0240	95.00	TN	192.69	MULCH	18305.55
163-0300	4.00	EA	1041.82	CONSTRUCTION EXIT	4167.28
163-0530	1000.00	LF	2.14	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	2140.0
165-0030	2440.00	LF	1.19	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	2903.6
165-0070	500.00	LF	1.19	MAINTENANCE OF BALED STRAW EROSION CHECK	595.0
165-0101	4.00	EA	335.55	MAINTENANCE OF CONSTRUCTION EXIT	1342.2
167-1000	2.00	EA	2693.12	WATER QUALITY MONITORING AND SAMPLING	5386.24
167-1500	18.00	MO	702.98	WATER QUALITY INSPECTIONS	12653.64
171-0030	4880.00	LF	3.08	TEMPORARY SILT FENCE, TYPE C	15030.4
Section Sub Total:					\$63,858.73

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	5.00	AC	739.12	PERMANENT GRASSING	3695.6
700-7000	11.00	TN	59.68	AGRICULTURAL LIME	656.48
700-7010	14.00	GL	20.69	LIQUID LIME	289.66
700-8000	4.00	TN	233.29	FERTILIZER MIXED GRADE	933.16
700-8100	543.00	LB	1.43	FERTILIZER NITROGEN CONTENT	776.49
Section Sub Total:					\$6,351.39

Section BRIDGE NO. 1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	Lump	LS	51840.00	REMOVAL OF EXISTING BR, \$15.00/SF	51840.0
543-9000	Lump	Lump Sum	291200.00	CONSTRUCTION OF BRIDGE COMPLETE - \$65.00/SF	291200.0
603-2024	900.00	SY	37.70	STN DUMPED RIP RAP, TP 1, 24 IN	33930.0
603-7000	900.00	SY	3.49	PLASTIC FILTER FABRIC	3141.0
Section Sub Total:					\$380,111.00

Total Estimated Cost: \$656,264.72

Subtotal Construction Cost	\$656,264.72
E&C Rate 10.0 %	\$65,626.47
Inflation Rate 5.0 % @ 1.0 Years	\$36,094.56
Total Construction Cost	\$757,985.75
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$757,985.75

Right Of Way - To be acquired by Local government per LGPA	\$14,000.00
---	-------------

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	Worth	County Road	009100	4.80	5.30	0	0	0	0
2000 SubTotal						0	0	0	0
2001	Worth	County Road	009100	4.80	5.30	0	0	0	0
2001 SubTotal						0	0	0	0
2002	Worth	County Road	009100	4.80	5.30	0	0	0	0
2002 SubTotal						0	0	0	0
2003	Worth	County Road	009100	4.80	5.30	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 BRG-0005-00(880) Worth
P.I. 0005880

OFFICE Environment/ Location

DATE March 31, 2004

FROM Harvey D. Keeper, State Environmental/ Location Engineer

TO David Crim, P.E., District Engineer, Tifton

Attn: Jeff Bridges

SUBJECT CR 91/Cane Mill Rd. @ Horse Creek

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

2004 ADT = 175
2010 ADT = 200
2030 ADT = 300
K = 10%
D = 60%
T = 1%
24 HR T = 3%
S.U. = 2%
COMB. = 1%

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

HDK:TJW

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 321-5023-0

Worth

SUFF. RATING: 35.26

Location & Geography

* Structure ID:	321-5023-0				
* 200 Bridge Information:	06	Highway System:	0	Expansion Joint Type:	02
* 6A Feature Int:	HORSE CREEK	* 26 Functional Classification:	09	242 Deck Drains:	1
* 6B Critical Bridge:	0	* 204 Federal Route Type:	0	243 Parapet Location:	0
* 7A Route Number Carried:	CR00091	105 Federal Lands Highway:	0	Height:	0.00
* 7B Facility Carried:	CANE MILL CRK ROAD	* 110 Truck Route:	0	Width:	0.00
* 9 Location:	8.5 MI S OF SYLVESTER	206 School Bus Route:	1	238 Curb Height:	1.50
2 DOT District:	4	217 Benchmark Elevation:	0000.00	Curb Material:	1
207 Year Photo:	2003	218 Datum:	0	239 Handrail:	0
* 91 Inspection Frequency:	24	* 19 Bypass Length:	04	* 240 Median Barrier Rail:	0
92A Fract Crit Insp Freq:	00	* 20 Toll:	3	241 Bridge Median Height:	0.00
92B Underwater Insp Freq:	60	* 21 Maintenance:	02	Bridge Median Width:	0.00
92C Other Spc. Insp Freq:	00	* 22 Owner:	02	* 230 Guardrail Loc. Dir. Rear:	0
* 4 Place Code:	00000	* 31 Design Load:	0	Fwrld:	0
* 5 Inventory Route (O/U):	1	37 Historical Significance:	5	Oppo. Dir. Rear:	0
Type:	4	205 Congressional District:	02	Oppo. Fwrld:	0
Designation:	1	27 Year Constructed:	1970	244 Approach Slab:	0
Number:	00091	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Direction:	0	33 Bridge Median:	0	233 Posted Speed Limit:	55
* 16 Latitude:	31 - 24.4	34 Skew:	00	236 Warning Sign:	0
* 17 Longitude:	83 - 49.1	35 Structure Flared:	0	234 Delineator:	0
98 Border Bridge:	000	38 Navigation Control:	0	235 Hazard Boards:	0
99 ID Number:	000000000000000000	213 Special Steel Design:	0	237 Utilities - Gas:	00
* 100 STRAHNET:	0	267 Type of Paint:	1	Water:	00
12 Base Highway Network:	1	* 42 Type of Service on:	1	Electric:	00
13A LRS Inventory Route:	3212009100	Type of Service under:	5	Telephone:	00
13B Sub Inventory Route:	0	214 Movable Bridge:	0	Sewer:	00
101 Parallel Structure:	N	203 Type Bridge:	C K M O	247. Lighting - Street:	0
* 102 Direction of Traffic:	2	259 Pile Encasement:	3	Navigation:	0
* 264 Road Inventory Mile Post:	005.06	* 43 Structure Type Main:	3	Aerial:	0
* 208 Inspection Area:	11	45 No. Spans Main:	009	* 248 County Continuity No.:	00
Engineer's Initial:	jal	44 Structure Type Appr:	0	Vert:	0
		46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	0		
		111 Pier Protection:	0		
* Location I.D. No.:	321-00091X-005.06N	107 Deck Structure Type	1		
		108 Wearing Surface Type:	1		
		Membrane Type:	8		
		Deck Protection:	8		

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 321-5023-0

Worth

SUFF. RATING: 35.26

Programming Data

201 Project No.: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj. No. BRG-0005-00 (880)
 250 Approval Status: 0 0 0 0
 251 P.I. No.: 0005880
 252 Contract Date: 02/01/2008
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 149
 95 Roadway Imp. Cost: \$ 55
 96 Total Imp Cost: \$ 249
 76 Imp. Length: 000355
 97 Imp. Year: 1990
 114 Future ADT: 001110 Year: 2022

Measurements

* 29 ADT: 000740 Year: 2002
 109 % Trucks: 3
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0016
 * 49 Structure Length: 144
 51 Br. Rwdy. Width: 24.00
 52 Deck Width: 25.20
 * 47 Tot. Horiz. Cl.: 24.00
 50 Curb / Sidewalk Width: 0.50 / 0.50
 32 Approach Rdwy. Width: 0.20
 * 229 Shoulder Width:
 Rear Lt.: 6.00 Type: 8 Rt.: 6.00
 Fwd Lt.: 6.00 Type: 8 Rt.: 6.00

Hydraulic Data

215 Waterway Data
 Highway Elev.: 0000.0 Year: 1900
 Flood Elevation: 0000.0 Freq.: 00
 Avg. Streambed Elev.: 0000.0
 Drainage Area: 00000
 Area of Opening: 001100
 113 Scour Critical: U
 216 Water Depth: 05.0 Br. Height: 11.9
 222 Slope Protection: 1
 221 Spur Dikes Rear: 0 Fwd: 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
 * 265 U/W Insp. Area: 2 Diver: WSS

Location I.D. No.: 321-00091X-005.06N

Ratings

65 Inventory Rating Method: 1
 63 Operating Rating Method: 1
 66 Inventory Type: 2 Rating: 16
 64 Operating Type: 2 Rating: 23
 231 Calculated Loads
 H-Modified: 10 1
 HS-Modified: 17 0
 Type 3: 11 1
 Type 3s2: 20 1
 Timber: 16 1
 Piggyback: 00 0
 261 H Inventory Rating: 09
 262 H Operating Rating: 13
 67 Structural Evaluation: 4
 58 Deck Condition: 7
 59 Superstructure Condition: 7
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 7
 60C Underwater Condition: 5
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 7
 68 Deck Geometry: 4
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 8
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 0
 41 Struct Open, Posted, CL: P
 * 103 Temporary Structure: 0
 232 Posted Loads
 H-Modified: 10
 HS-Modified: 00
 Type 3: 11
 Type 3s2: 20
 Timber: 16
 Piggyback: 00
 253 Notification Date: 02/01/1901
 258 Fed Notify Date: 02/01/1901

Sup: 1970 Sub: 0000

Department of Transportation State of Georgia

Concept Meeting Minutes October 13, 2004

Project No. BRG 0005-00(880), Worth County
PI No. 0005880
Description Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek

A Concept Team Meeting was held for the subject project on October 13, 2004. The meeting was requested and conducted by Jeff Bridges, GDOT Project Manager. The meeting was held at the GDOT District Office in Tifton and began at 10:00 am. The meeting began with an outline of the Draft Concept Report.

Joe Burns, District Environmentalist stated that the Level of Environmental Analysis will be a Categorical Exclusion with a USACOE 404 Nationwide 23 Permit. He stated that there will be wetland impacts on each side of the roadway. He noticed a ditch or stream on the east side of the roadway running southward that the ecologist may classify as a stream. Mr. Burns mentioned that if it is classified as a stream, a stream buffer variance may be required. He stated that a mussel survey is questionable at this time. He stated that there are no underground storage tanks or hazardous waste tanks known to be within the project limits. Mr. Burns also stated that there will need to be a survey for historic sites and archaeological sites. He also mentioned that there is a possible site for gopher habitat on the south side of the bridge on each side of the roadway due to a stand of mature pine trees. He also reminded that a Public Information Open House meeting will be required due to closing the roadway for construction and Worth County being responsible for an off-site detour.

Bill Cooper, Assistant District Utilities Engineer furnished a Utility Cost Estimate for the project. Bellsouth is the only facility and is listed as having a non-reimbursable cost of \$8,400.00 with no reimbursable costs.

Don Gaskins, District Scheduling Engineer furnished the Scheduling Estimate which will be included in the Concept Report.

Grady Bryan, District Traffic Operations Manager forwarded the District Access Management Supervisor's suggestion of re-aligning the roadway toward the east due to a curve at each end of the bridge. I mentioned that there is a mobile home and a 1-story frame home that would be impacted at the southern end of the project. I also mentioned that these are 1°30' curves. I recommended that if the super-elevation transitions could not be constructed between the curves with the bridge lying between them, then we should consider realignment. With the proposed bridge length, there is sufficient distance to transition the curves out of super-elevation and return to normal crown before reaching the bridge or approach slabs.

Tony Cravey, Assistant Area Engineer recommended using full depth paving vs. overlay through the entire length of the project due to the existing pavement. The existing pavement most likely consists of surface treatment. Mr. Cravey also recommended possibly extending the end roll rip-rap around toward the northeast section of the roadway embankment through the existing ditch that Mr. Burns mentioned earlier.

At this time, the meeting was open to any comments or suggestions. There were none.

The meeting adjourned around 10:20 am.



Jeff Bridges, District Design Engineer

*Returned to
DOT Atlanta
8-5-03*



Department of Transportation

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

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 L. MAHFUZ
TREASURER
(404) 656-5224

July 31, 2003

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, WORTH County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRG-0005-00(880) Worth Co., PI # 0005880: BRIDGES CANE MILL RD/CR 91 OVER HORSE CREEK

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 and 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 5th day of August, 2003

APPROVED *[Signature]*
City/County Official

NOTICE OF LOCATION AND DESIGN APPROVAL

BRG-0005-00(880), Worth County PI No. 0005880

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 NOVEMBER 15, 2004.

Description of the project:

This project will replace the structurally deficient bridge on County Road 91/Cane Mill Road at Horse Creek with a new reinforced concrete bridge. This project is located in Worth County, approximately 9.5 miles south of Sylvester Georgia, in the 7th Land District, Land Lot No. 126, 127, and Ga. Militia District 1591. The proposed project will be approximately 0.47 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:

Graylin Duncan, Area Engineer
Georgia Department of Transportation
2060 Newton Road
Albany, GA 31701
(229) 430-4198
graylin.duncan@dot.state.ga.us

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

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: BRG-0005-00(880)

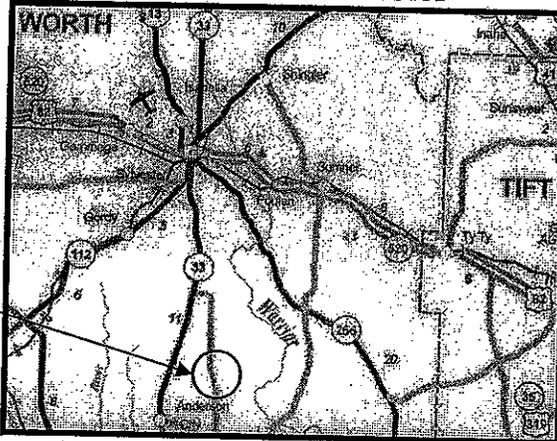
County: Worth

P. I. Number: 0005880

Project Concept Report

Federal Route Number: N/A

State Route Number: N/A



Project Location

Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bair
Project Manager
DCC
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: _____

DATE: 10-22-04

DATE: _____

DATE: _____

DATE: _____

DATE: _____

State Transportation Planning Administrator

James Vinson
Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety and Design Engineer

Project Review Engineer

State Bridge Design Engineer

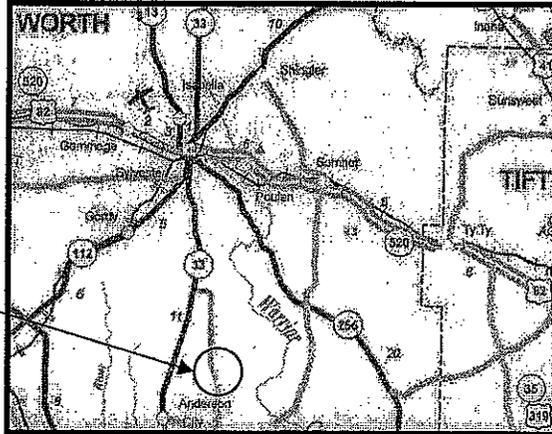
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 – Tifton, GA

Project Number: BRG-0005-00(880)
County: Worth
P. I. Number: 0005880

Project Concept Report

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

Project Location



Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bink
Project Manager
DCC
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: 10/27/04

David J. Mullins *DJW*
Project Review Engineer

DATE: _____

State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. Nos. 0005880

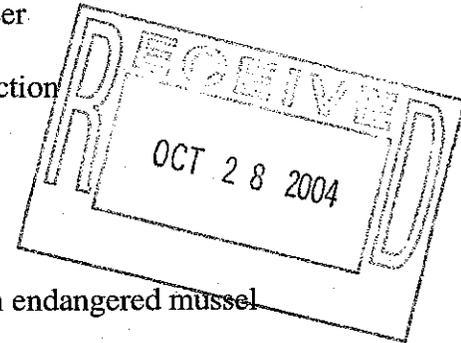
OFFICE: Environment/Location

DATE: October 25, 2004

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

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

SUBJECT: PROJECT CONCEPT REPORT
BRG-0005-00(880) Worth County



The above subject concept report has been reviewed. This will require an endangered mussel survey.

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

HDK/lc

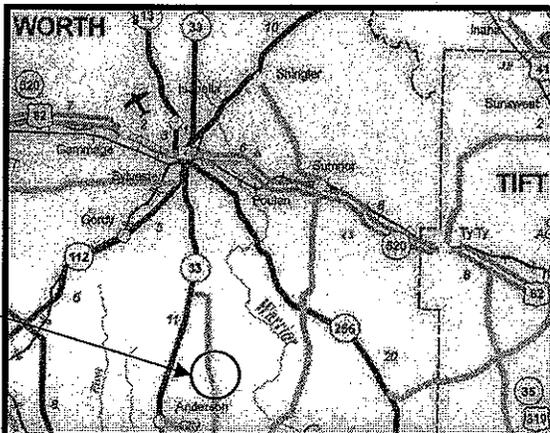
cc: David Mulling, P.E., Project Review Engineer
Jeff Bridges, District Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 – Tifton, GA**

Project Number: BRG-0005-00(880)
County: Worth
P. I. Number: 0005880

Project Concept Report

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



Project Location

Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bink
Project Manager
DCC
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: 10.25.04

Thomas D. Dupont
State Environmental Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

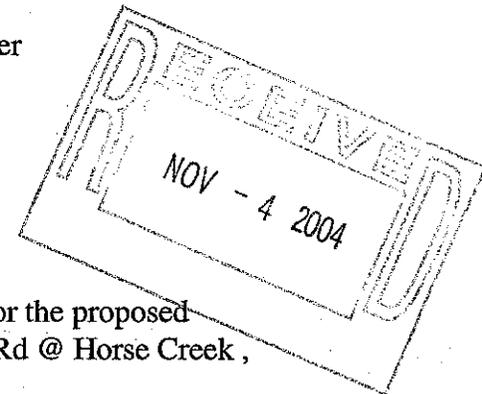
Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BRG 0005-00(880), Worth County
P.I. No. 0005880

Office: Traffic Safety & Design
Atlanta, Georgia
Date: November 01, 2004

PMA
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 replacement of the existing bridge on CR 91/ Cane Mill Rd @ Horse Creek , south of Sylvester, located in the Worth County.

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

PMA/SZ/nr

Attachment (signature page)

Cc: Harvey Keepler, State Environment /Location Engineer
Paul Liles, State Bridge Engineer
David Crim, District Engineer
Attn.: Jeff Bridges, District Design Engineer
David Mulling, State Review Engineer, w/ attachment
Joe Palladi, State Transportation Planning Administrator
Jamine Simpson, Financial management Administrator
General Files
Office Files

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

District 4 – Tifton, GA

Project Number: BRG-0005-00(880)

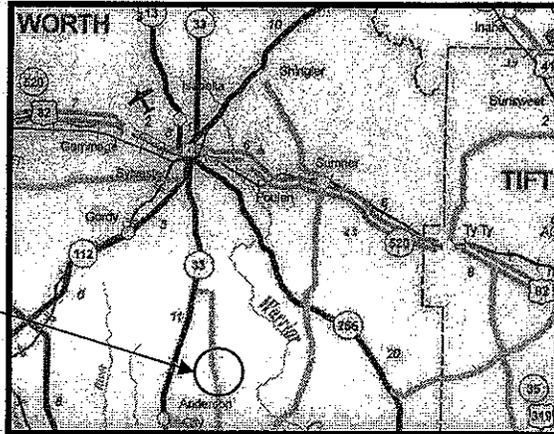
County: Worth

P. I. Number: 0005880

Project Concept Report

Federal Route Number: N/A

State Route Number: N/A



Project Location

Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bink
Project Manager

DCC
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: 10/3/04

Phillip M. Albrecht
State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

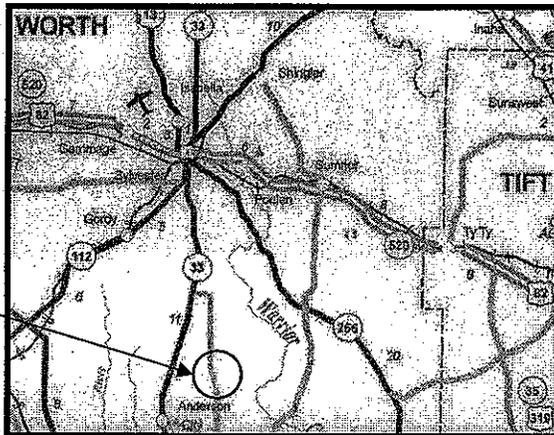
State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 – Tifton, GA**

Project Number: BRG-0005-00(880)
County: Worth
P. I. Number: 0005880

Project Concept Report

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



Project Location

Bridge Replacement: CR 91/Cane Mill Rd. @ Horse Creek south of Sylvester, GA

Recommended for approval:

DATE: 10/18/2004

DATE: 10/18/04

Jeff Bief
Project Manager
DCC
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: 11/11/04

Paul V. Talley Jr
State Bridge Design Engineer