

D.O.T. 66

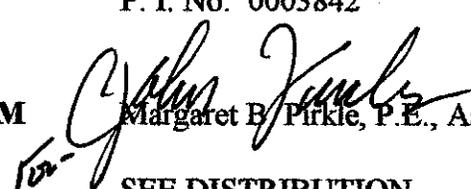
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(842) Grady County
P. I. No. 0003842

OFFICE Preconstruction

DATE December 9, 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

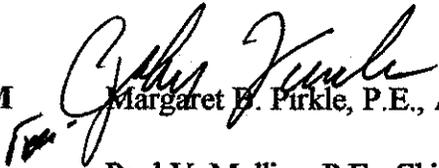
DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Percy Middlebrooks
Michael Henry
Phillip Allen
Joe Palladi (file copy)
Paul Liles
Brent Story
David Crim
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(842) Grady County **OFFICE** Preconstruction
P.I. No. 0003842 **DATE** November 25, 2003

FROM  Margaret B. Firkle, 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 85/Joyner Road over Little Tired Creek, 0.4 mile southeast of Cairo, Georgia. The existing bridge, constructed in 1965, is load limited with a sufficiency rating of 12. County Road 85 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 2,000 VPD and 3,000 VPD in the years 2008 and 2028 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to construct a new 240' x 40' concrete bridge over Little Tired Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 8' rural shoulders. The existing roadway will be closed during construction. Grady 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 is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,030,000	\$1,030,000	2006	2006
Right-of-Way & Utilities*	Local	Local		

*Grady County signed LGPA on 8-6-02 for right-of-way, utilities and detours.

Paul V. Mullins
Page 2

BR-0003-00(842) Grady
November 25, 2003

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

CWH:JDQ/cj

Attachment

CONCUR



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

APPROVE



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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0003-00(842) Grady
P.I. Number 0003842
CR 85 @ Little Tired Creek

OFFICE: Engineering Services

DATE: November 24, 2003

FROM: David Mulling, Project Review Engineer *REW*

TO: Meg Pirkle, Assistant Director of Preconstruction

NOV 24 2003

SUBJECT: CONCEPT REPORT

We have reviewed the Concept Report submitted November 20, 2003 by the letter from Jeff Bridges, dated November 18, 2003, and have the following comments.

- An estimated quantity of Earthwork and a unit cost should be included in the cost estimate. A square foot quantity for the bridge and unit costs (per square foot) should also be included.
- An estimated cost for Right of Way (even if the Locals are paying for it) should be included for informational purposes.

The costs for this project are:

Construction	\$891,543
Inflation	\$44,577
E&C	\$93,612
Reimbursable Utilities	\$0 (LGPA)
Right of Way	? (LGPA)

REW

c: David Crim; Attn: Jeff Bridges

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0003-00(842)		County: Grady		PI No.: 0003842	
Report Date: November 18, 2003		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	90	Estimated quantities and unit costs were not included for several items in the Cost Estimate. Estimated R/W costs to be paid for by Locals should be shown for information.			
Judgement	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

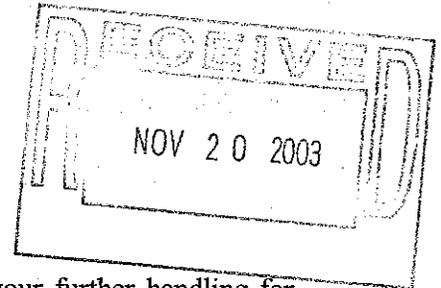
FILE BR-0003-00(842), Grady
PI No. 0003842

OFFICE Tifton, GA
DATE November 18, 2003

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
Harvey Keeper, State Environmental/Location Engineer
Phillip Allen, State Traffic Safety and Design Engineer
Joe Palladi, State Transportation Planning Administrator
Percy Middlebrooks, Financial Management Administrator
Paul Liles, State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**
District 4 – Tifton, Ga.

Project Number: BR-0003-00(842)

County: Grady

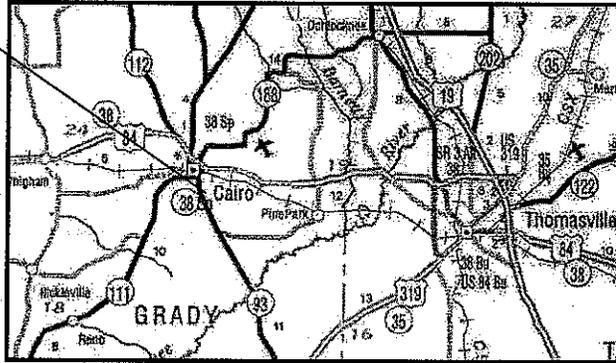
P. I. Number: 0003842

Project Concept Report

Federal Route Number: N/A

State Route Number: N/A

Project Location



Bridge Replacement: C.R. 85/Joyner Rd. @ Little Tired Creek in Cairo, GA

Recommended for approval:

DATE: 11/17/2003

DATE: 11/18/03

Jeff B...
Project Manager
D. C. ...
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

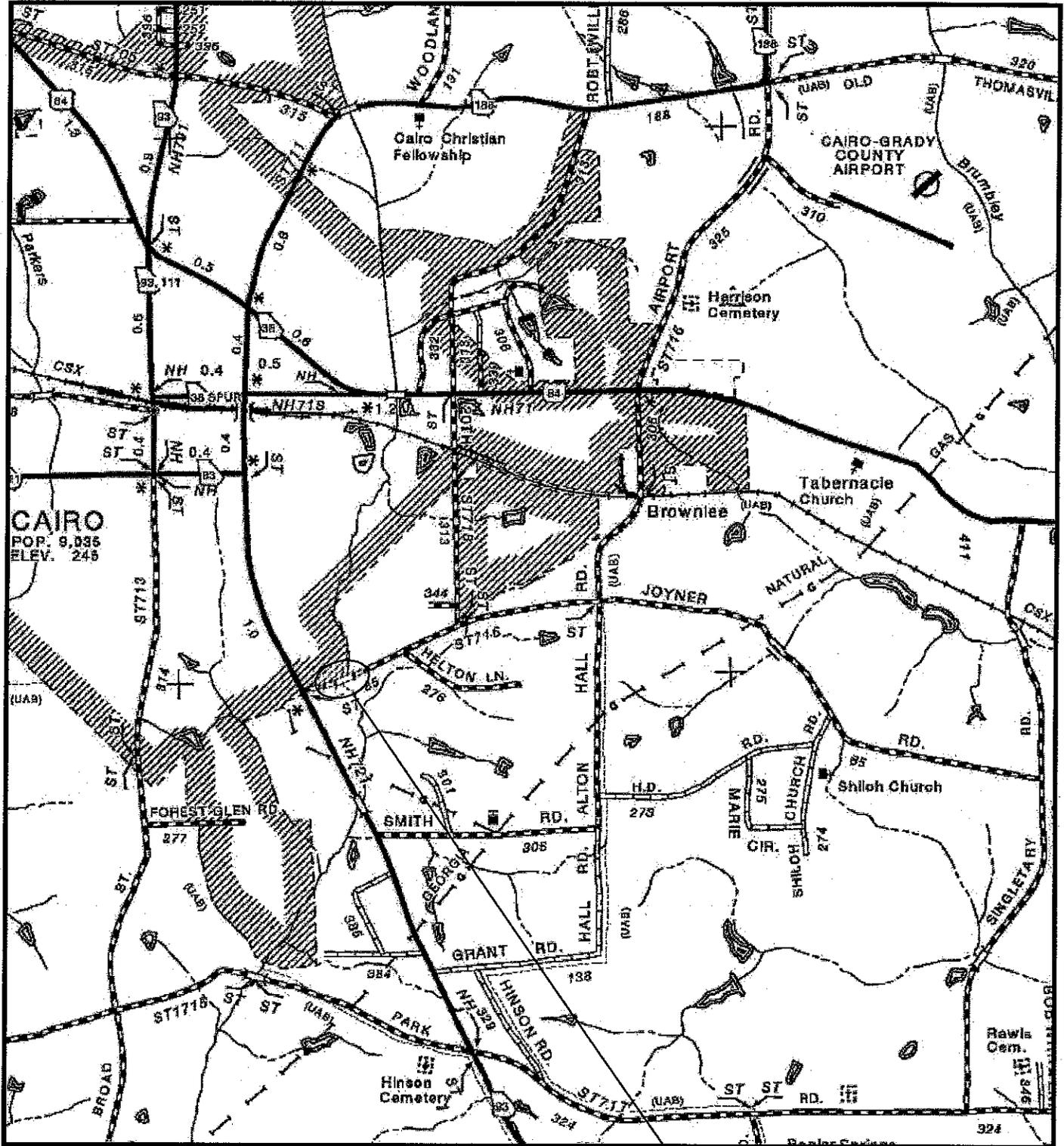
DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

Project Concept Report Page: 2
Project Number: BR-0003-00(842)
P. I. Number: 0003842
County: Grady



Project Location

17 November, 2003

State of Georgia
Department of Transportation

Project Concept Report Page: 3
Project Number: BR-0003-00(842)
P. I. Number: 0003842
County: Grady

Need and Purpose:

Bridge project BR-0003-00(842) will replace the structurally deficient bridge on CR 85 over Little Tired Creek. This project is not associated with any other projects and has independent utility. The two-lane bridge was constructed in 1965 and is not a designated bike route.

The 2000 ADT is 1,700 vehicles per day which includes school bus traffic. Traffic for the construction year of 2008 has an estimated ADT of 2,000 vehicles per day. The design year (2028) ADT is projected to be 3,000 vehicles per day.

The Structural Evaluation Rating for the bridge is a 2 and the Sufficiency Rating is a 12.80. In accordance with MOG 2450-1, a Structural Evaluation Rating of 2 and a Sufficiency Rating less than 50 requires the bridge be replaced.

This project does not disproportionately burden or benefit any particular community. The project is surrounded by mainly residential land with some farm land. Area population consists of approximately 37% minority compared to an average minority population of 38% for the state of Georgia. Approximately 21% of 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 narrow and deficient bridge on CR 85 over Little Tired Creek with a new reinforced concrete bridge. This project is located in Grady County, along the southeast edge of the city limits of Cairo, Ga., in the 18th Land District, Land Lot No. 63 and 98, and Ga. Militia District 753. The proposed project will be approximately 0.34 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: Urban Collector Street

U. S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (AADT):

Current Year: (2008) 2000

Design Year: (2028) 3000

Project Concept Report Page: 4
Project Number: BR-0003-00(842)
P. I. Number: 0003842
County: Grady

Existing Design Features:

- Typical Section: Two 12' travel lanes with 5' graded shoulders and open drainage
- Posted Speed: 55 mph Maximum degree curvature: 3°00'
- Maximum Grade: 6.5%
- Width of right of way: 60 to 80 ft.
- Major structures: 196' x 24' Bridge - Concrete deck/wood 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 0.04 and extends east approximately 0.34 miles to Mile log 0.38.

Proposed Design Features:

- Proposed typical section(s): Two 12' travel lanes with 8' graded shoulders and open drainage
- Proposed Design Speed Mainline: 55 mph
- Proposed Maximum grade Mainline: 6 % Maximum grade allowable: 8 %
- Proposed Maximum grade Side Street: n/a % Maximum grade allowable: n/a %
- Proposed Maximum grade driveway: 10 %
- Proposed Maximum degree of curve: 3°00' Maximum degree allowable: 5°55'
- Right of way
 - ⇒ Width: 100 ft.
 - ⇒ Easements: Temporary , Permanent , Utility , Others
 - ⇒ Type of access control: Full , Partial , By Permit , Others
 - ⇒ Number of parcels 10 Number of displacements:
 - ⇒ Business: 0
 - ⇒ Residents: 0
 - ⇒ Mobile homes: 0
 - ⇒ Others: 0
- Structures:
 - ⇒ Bridges: 240' x 40' Reinforced Concrete Bridge
 - ⇒ Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: Road Closure; Detours to be furnished by Local Governments

Project Concept Report Page: 5
Project Number: BR-0003-00(842)
P. I. Number: 0003842
County: Grady

• 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: Possible Historic Resources, Wetlands
- 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: City of Cairo, Alltel of GA

Project responsibilities:

- ⇒ Design, GDOT
- ⇒ Right of Way Acquisition, Grady County, City of Cairo
- ⇒ Relocation of Utilities, Utility Owners, Grady Co., City of Cairo
- ⇒ Letting to contract, GDOT
- ⇒ Supervision of construction, GDOT
- ⇒ Providing detours, Grady County, City of Cairo

Coordination:

- Initial Concept Meeting Date _____
- Concept Meeting Date November 13, 2003
- P. A. R. Meeting Date _____
- Public involvement: None
- Local government comments: None
- Other projects in area: None
- Other coordination to date: None
- Railroads: None

17 November, 2003

State of Georgia
Department of Transportation

Project Concept Report Page: 6
Project Number: BR-0003-00(842)
P. I. Number: 0003842
County: Grady

Scheduling – Responsible Parties' Estimate

- Time to complete environmental process: 10 Months.
- Time to complete preliminary construction plans: 10 Months.
- Time to complete right of way plans: 4 Months.
- Time to complete the Section 404 Permit: 10 Months.
- Time to complete final construction plans: 12 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:

- (1) A concrete bridge culvert was considered. Due to the large drainage area, a culvert will not satisfy hydraulic requirements; therefore this concept is recommending a bridge.
- (2) An on-site detour was considered, but due to residential proximity the impacts would be too great; therefore a detour provided by Grady County should be utilized.

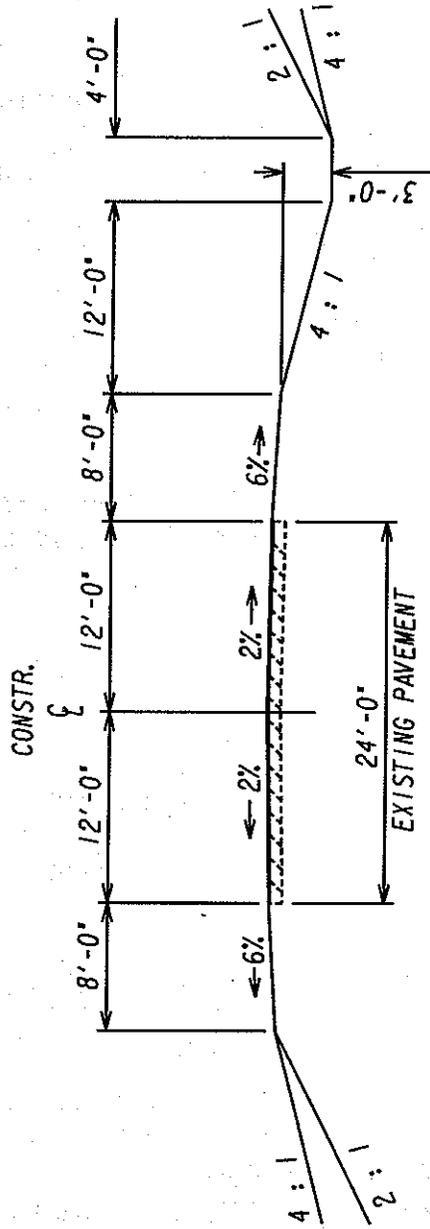
Comments: The proposed concept will construct the roadway and new bridge on existing alignment.

Attachments:

1. Typical Section
2. Cost Estimate
3. Accident summary
4. Traffic Assignments
5. Bridge Inventory Data Listing
6. Minutes of Concept meeting
7. LGPA's - Grady County & City of Cairo
8. Location and Design Notice

BR-0003-0018421
 GRADY COUNTY
 PI NO. 0003842

TYPICAL SECTION



FULL-DEPTH SECTION

135 LBS/SY RECYCLED ASPHALT CONCRETE 12.5 mm SUPERPAVE

220 LBS/SY RECYCLED ASPHALT CONCRETE 19 mm SUPERPAVE

8 INCHES GRADED AGGREGATE BASE

OVERLAY SECTION

135 LBS/SY RECYCLED ASPHALT CONCRETE 12.5 mm SUPERPAVE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00 (842) Grady OFFICE Tifton
P.L. #0003842
DATE October 27, 2003

FROM  Emory L. Giddens, 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 without a design concept. Listed below is a breakdown of reimbursable and non-reimbursable cost.

City of Cairo		
Non-Reimbursable	=	\$ 75,400.00
Alltel of Georgia		
Non-Reimbursable	=	\$ 28,200.00
TOTAL - Non-Reimbursable	=	\$103,600.00

If additional information is needed, contact Bill Cooper, Assistant District Utilities Engineer at (229) 386-3288.


ELG:BC:sm

- c: Tom Turner, Director of Preconstruction
- Percy Middlebrooks, Administrator, Office of Financial Management
- Gerald Ross, State Road & Airport Design Engineer
- Paul V. Liles, State Bridge Engineer
- Ben Buchan, State Urban Design Engineer
- Harvey D. Keeper, State Environmental/Location Engineer
- Phillip Allen, State Traffic Safety and Design Engineer
- Brent Story, State Consultant Design Engineer

Estimate Report

Section 01 ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	25000.00	TRAFFIC CONTROL	25000.0
210-0100	1.00	LS	100000.00	GRADING COMPLETE	100000.0
310-5080	3100.00	SY	8.35	GR AGGR BASE CRS, 8 INCH, INCL MATL	25885.0
318-3000	400.00	TN	16.12	AGGR SURF CRS	6448.0
402-1812	200.00	TN	36.06	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	7212.0
402-3130	300.00	TN	35.24	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	10572.0
402-3190	350.00	TN	36.40	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	12740.0
413-1000	400.00	GL	0.88	BITUM TACK COAT	352.0
433-1200	284.00	SY	102.38	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	29075.92
441-0301	2.00	EA	1254.64	CONC SPILLWAY, TP 1	2509.28
500-3101	1.00	CY	375.52	CLASS A CONCRETE	375.52
550-2180	72.00	LF	20.89	SIDE DRAIN PIPE, 18 IN, H 1-10	1504.08
550-2240	96.00	LF	27.72	SIDE DRAIN PIPE, 24 IN, H 1-10	2661.12
550-3618	6.00	EA	509.48	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	3056.88
550-3624	8.00	EA	693.05	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	5544.4
576-1018	50.00	LF	21.16	SLOPE DRAIN PIPE, 18 IN	1058.0
634-1200	16.00	EA	78.99	RIGHT OF WAY MARKERS	1263.84
641-1100	84.00	LF	41.81	GUARDRAIL, TP T	3512.04
641-1200	375.00	LF	9.00	GUARDRAIL, TP W	3375.0
641-5001	4.00	EA	404.51	GUARDRAIL ANCHORAGE, TP 1	1618.04
641-5012	3.00	EA	1269.34	GUARDRAIL ANCHORAGE, TP 12	3808.01
Section Sub Total:					\$247,571.14

Section 02 SIGNING & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	60.00	SF	15.39	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	923.40
636-1031	15.00	SF	17.93	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	268.95
636-2070	65.00	LF	7.18	GALV STEEL POSTS, TP 7	466.7
652-5451	3120.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, WHITE	374.4
652-5452	2520.00	LF	0.12	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	302.4
652-6502	600.00	GLF	0.11	SKIP TRAFFIC STRIPE, 5 IN, YELLOW	66.0
657-1054	480.00	LF	3.71	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1780.8
657-6054	480.00	LF	3.99	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1915.2
Section Sub Total:					\$6,097.85

Section 03 TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2.00	AC	433.98	TEMPORARY GRASSING	867.96
163-0240	55.00	TN	220.88	MULCH	12148.4
163-0300	2.00	EA	1104.82	CONSTRUCTION EXIT	2209.64
163-0530	3600.00	LF	1.81	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	6516.0
165-0030	300.00	LF	1.33	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	399.0
165-0070	1800.00	LF	1.20	MAINTENANCE OF BALED STRAW EROSION CHECK	2160.0
165-0101	2.00	EA	356.26	MAINTENANCE OF CONSTRUCTION EXIT	712.52
167-1000	2.00	EA	4312.44	WATER QUALITY MONITORING AND SAMPLING	8624.88
171-0030	600.00	LF	3.07	TEMPORARY SILT FENCE, TYPE C	1842.0
716-2000	625.00	SY	1.15	EROSION CONTROL MATS, SLOPES	718.75
Section Sub Total:					\$36,199.15

Section 04 PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	3.00	AC	752.46	PERMANENT GRASSING	2257.38
700-7000	6.00	TN	51.20	AGRICULTURAL LIME	307.20
700-7010	8.00	GL	19.18	LIQUID LIME	153.44
700-8000	3.00	TN	237.21	FERTILIZER MIXED GRADE	711.63
700-8100	300.00	LB	1.43	FERTILIZER NITROGEN CONTENT	429.0
Section Sub Total:					\$3,858.65

Section 05 BRIDGE NO. 1					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	1.00	LS	70560.00	REMOVAL OF EXISTING BR, STA NO -	70560.0
543-9000	1.00	Lump Sum	480000.00	CONSTRUCTION OF 240 X 40 REINF CONC BRIDGE	480000.0
603-2024	1100.00	SY	39.95	STN DUMPED RIP RAP, TP 1, 24 IN	43945.0
603-7000	1100.00	SY	3.01	PLASTIC FILTER FABRIC	3310.99
Section Sub Total:					\$597,816.00

Total Estimated Cost: \$891,542.79

Subtotal Construction Cost	\$891,542.79
E&C Rate 10.0 %	\$89,154.28
Inflation Rate 5.0 % @ 1.0 Years	\$49,034.85
<hr/>	
Total Construction Cost	\$1,029,731.92
Right Of Way	Local
ReImb. Utilities	Local
<hr/>	
Grand Total Project Cost	\$1,029,731.92

QUERY SUMMARY
 For Year(s): 1996,1997,1998,2000,2001

Year	County	Route Type	Route Number	Beginning Milelog	Ending Milelog	No. Accidents	No. Vehicles	No. Injuries	No. Fatalities
1996	Grady	County Road	008500	0.06	0.40	0	0	0	0
1996 SubTotal						0	0	0	0
1997	Grady	County Road	008500	0.06	0.40	0	0	0	0
1997 SubTotal						0	0	0	0
1998	Grady	County Road	008500	0.06	0.40	0	0	0	0
1998 SubTotal						0	0	0	0
2000	Grady	County Road	008500	0.06	0.40	0	0	0	0
2000 SubTotal						0	0	0	0
2001	Grady	County Road	008500	0.06	0.40	0	0	0	0
2001 SubTotal						0	0	0	0
All Year(s)Total						0	0	0	0

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0003-00(842), Grady **OFFICE** Environment/Location
P.I.# 0003842 **DATE** October 24, 2002

FROM Harvey D. Keepler, State Environmental/Location Engineer

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

SUBJECT Traffic Data for CR 85 @ Little Tired Creek in Cairo

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

Existing 2000 ADT = 1700
2008 ADT = 2000
2028 ADT = 3000
K = 11%
D = 60%
T = 3%
24 Hr. T = 4%
S.U. = 3%
Comb. = 1%

If you have any questions, please call Gary Langford @ 404-699-4454.

HDK/RGL

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 131-5024-0
Location & Geography

Grady

SUFF. RATING

12.80

Signs & Attachments

*	Structure I.D.No:	131-5024-0	Highway System:	0	
*	200 Bridge Information	06	Functional Classification:	17	Expansion Joint Type: 00
*	6A Feature Int:	LITTLE TIRED CREEK	Federal Route Type:	0	No.: 1
*	6B Critical Bridge:	0	Federal Lands Highway:	0	Deck Drains: 1
*	7A Route Number Carried:	CR00085	Truck Route:	0	Parapet Location: 0
*	7B Facility Carried:	HARRY SINGLETARY RD	School Bus Route:	1	Height: 0.00
*	9 Location:	APP 4 MI SE OF CAIRO	Benchmark Elevation:	0000.00	Width: 0.00
	2 DOT District:	4	Datum:	0	Curb: 1.20 1
	207 Year Photo:	1998	Bypass Length:	08	Handrail: 0 0
*	91 Inspection Frequency:	24	Date: 04/22/2002		
	92A Fract Crit Insp Freq:	00	Date: 02/01/1901		
	92B Underwater Insp Freq:	60	Date: 02/29/2000		
	92C Other Spc. Insp Freq:	00	Date: 02/01/1901		
*	4 Place Code:	00000	Design Load:	2	Bridge Median Height: 0.00
*	5 Inventory Route (O/U):	1	Historical Significance:	5	Width: 0.00
	Type:	4	Congressional District:	02	Guardrail Loc Dir Rear: 0
	Designation:	1	Year Constructed:	1965	Fwd: 0
	Number:	00085	Year Reconstructed:	0000	Oppo Dir Rear: 0
	Direction:	0	Bridge Median:	0	Fwd: 0
*	16 Latitude:	30-51.5	Skew:	00	Approach Slab: 0
	MMS Prefix:		Structred Flared:	0	Retaining Wall: 0
*	17 Longitude:	84-11.7	Navigation Control:	0	Posted Speed Limit: 55
	MMS Suffix:		Special Steel Design:	0	Warning Sign: 0
	%Shared:	00	Type of Paint:	0	Delineator: 0
	MP:	0.00	Type of Service on:	1	Hazard Boards: 1
	MP:			5	Utilities Gas: 00
	MP:				W 00
	MP:				Ele 00
	MP:				Telephone: 00
	MP:				S: 31
	MP:				Lighting Street: 0
	MP:				Navigtion: 0
	MP:				Aerial: 0
	MP:				County Continuity No.: 00
*	100 STRAHNET:	0			
	12 Base Highway Network:	1			
	13A LRS Inventory Route:	1312008500			
	13B Sub Inventory Route:	0			
*	101 Parallel Structure:	N			
*	102 Direction of Traffic:	2			
*	264 Road Inventory Mile Post:	000.19			
*	208 Inspection Area:	11			
	Engineer's Initial:	sgm			
	Initials:	JWH			
*	Location I.D. No.:	131-00085X-000.19E			
	Wearing Surface Type:	1			
	Vert:	0			
	Mi:	0			
	F:	0			

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 131-5024-0

Grady

SUFF. RATING

12.80

Programming Data

201 Project No.: UNKNOWN
 202 Plans Available: 0
 249 Prop. Proj. No. 000000000000000000
 250 Approval Status: 0000
 251 P.I. No.: 00000000
 252 Contract Date: 02/01/1901
 260 Seismic No.: 00000
 75 Type Work: 31 1
 94 Bridge Imp. Cost: \$ 288
 95 Roadway Imp. Cost: \$ 87
 96 Total Imp Cost: \$ 446
 76 Imp. Length: 000407
 97 Imp. Year: 1990
 114 Future ADT: 002400 Year: 2021

Measurements

* 29 ADT: 001600 Year: 2001
 109 % Trucks: 2
 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 48 Max. Span Length: 0015
 49 Structure Length: 196
 51 Br. Rwdy. Width: 24.00
 52 Deck Width: 25.20
 47 Tot. Horz. Cl: 24.00
 50 Curb/Sdewlk Width: 0.00/0.00
 32 Approach Rdwy Width: 020
 229 Shoulder Width:
 Rear Lt: 0.00 Type: 7 Rt: 0.00
 Fwd Lt: 0.00 Type: 7 Rt: 0.00

Ratings

65 Inventory Rating Method: 2
 63 Inventory Rating Method: 2
 66 Inventory Type: 2 Rating: 11
 64 Operating Type: 2 Rating: 16
 231 Calculated Loads
 H-Modified: 16 0
 HS-Modified: 25 0
 Type 3: 19 0
 Type 3s2: 34 0
 Timber: 31 0
 Piggyback: 00 0

261 H Inventory Rating: 15
 262 H Operating Rating: 22
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 5
 60C Underwater Condition: 5
 71 Waterway Adequacy: 8
 61 Channel Protection Cond: 5
 68 Deck Geometry: 4
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 05.0 Br. Height: 15.8
 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: RM

36 Safety Features Br. Rail:
 Transition: 0
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl.Over: 99 ' 99 "
 Under: N 00 ' 00 "
 * 228 Min. Vertical Cl
 Act. Od m Dir: 99 ' 99 "
 Oppo. Dir: 99 ' 99 "
 Posted Od m. Dir: 00 ' 00 "
 Oppo. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. 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: 10.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 0.00
 212 Year Last Painted: Sup: 0000 Sub: 0000

Posting Data

70 Bridge Posting Required: 5
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: T
 232 Posted Load -Modified: 07
 HS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 12/05/2002
 253 Fed Notify Date: 03/05/2003 0

* Location I.D. No.: 131-00085X-000.19E

**Department of Transportation
State of Georgia**

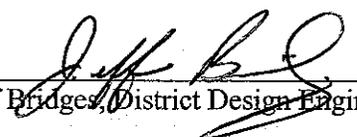
**Concept Meeting Minutes
November 13th, 2003**

Project No. BR-0003-00(842), Grady County
PI No. 0003842
Description Bridge Replacement CR 85/Joyner Rd. @ Little Tired Creek

A Concept Team Meeting was held for the subject project on Thursday November 13, 2003. The meeting was requested and conducted by Jeff Bridges, GDOT Project Manager. The meeting began at 10:00 am with a basic review of the Draft Concept Report. Representatives from various offices were asked to provide any information, comments, or objections relevant to the project.

- Joe Burns, District Environmentalist stated that the level of Environmental Analysis would likely be a Categorical Exclusion with a 404 Nationwide 23 Permit. No underground storage tanks or hazardous waste tanks appear to be within the project limits. There are no churches or cemeteries within the project limits. Surveys for historic sites, archaeological sites, endangered species, and possible mussels will be needed.
- A Utility Cost Estimate was furnished by Emory Giddens, District Utilities Engineer. The City of Cairo and Alltel of Georgia are the only facility owners within the project. The City has a 12 inch ductile iron water main attached to the existing bridge and does not plan to re-attach to the new bridge. The owner of a ¾" black plastic pipe partially exposed in the roadway embankment has not been identified. The Total non-reimbursable cost estimate is \$103,600.00 with no reimbursable costs.
- Alltel of Georgia representative Clifton Donaldson stated that they have overhead and underground facilities at the project site and would most likely shift these facilities to the back of the new right-of-way.
- Danny Gay, Traffic Operations mentioned that a total road closure would be inconvenient for the public and commercial activity. The issue of an on-site detour vs. road closure was discussed. An on-site detour would impact and could possibly displace 3 residential dwellings and a pond. On the northern side of Joyner Road there is a house within 200 feet of the existing bridge 30 feet from the existing right-of-way. On the southern side there is a pond within 100 feet of the existing bridge with the toe of its dam at the existing right-of-way. Grady County and the City of Cairo have signed LGPA's agreeing to furnish detour(s) required for the project.

The meeting was concluded around 10:45 am.



Jeff Bridges, District Design Engineer



Department of Transportation

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

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

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

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

EARL L. MAHFUZ
TREASURER
(404) 656-5224

July 16, 2002

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, GRADY County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0003-00(842) Grady Co., PI # 0003842: BRIDGES CR 85 @ LITTLE TIRED CREEK APP. 4 MI SE OF CAIRO

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.

NOTE: A similar agreement has been sent to the City of Cairo.

This 16th day of August, 2002

APPROVED Chuck Parks

City/County Official

8-23-02

Design
Utilities
File



Department of Transportation

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

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

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(404) 656-5212

EARL L. MAHFUZ
TREASURER
(404) 656-5224

July 16, 2002

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, the City of CAIRO agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0003-00(842) Grady Co., PI # 0003842: BRIDGES CR 85 @ LITTLE TIRED CREEK APP. 4 MI SE OF CAIRO

- 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.*

NOTE: A similar agreement has been sent to Grady County.

This 29th day of July, 2002

APPROVED _____

City/County Official

NOTICE OF LOCATION AND DESIGN APPROVAL

**BR-0003-00(842), Grady County
PI No. 0003842**

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 DECEMBER 9, 2003

Description of the project:

This project will replace the narrow and deficient bridge on CR 85/Joyner Road over Little Tired Creek with a new reinforced concrete bridge. This project is located in Grady County, along the southeast edge of the city limits of Cairo, Ga., in the 18th Land District, Land Lot No. 63 and 98, and Ga. Militia District 753. The proposed project will be approximately 0.34 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:

Andy Oliver, Area Engineer
734 West Crawford St.
Donalsonville, GA 39845
(229) 524-2012
andy.oliver@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: BR-0003-00(842)

County: Grady

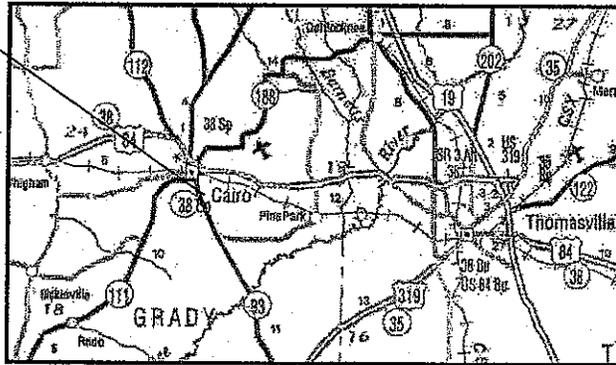
P. I. Number: 0003842

Project Concept Report

Federal Route Number: N/A

State Route Number: N/A

Project Location



Bridge Replacement: C.R. 85/Joyner Rd. @ Little Tired Creek in Cairo, GA

Recommended for approval:

DATE: 11/17/2003

DATE: 11/18/03

Jeff B...
Project Manager
[Signature]
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: 11-24-03

David J. Mullery
Project Review Engineer

DATE: _____

State Bridge Design Engineer

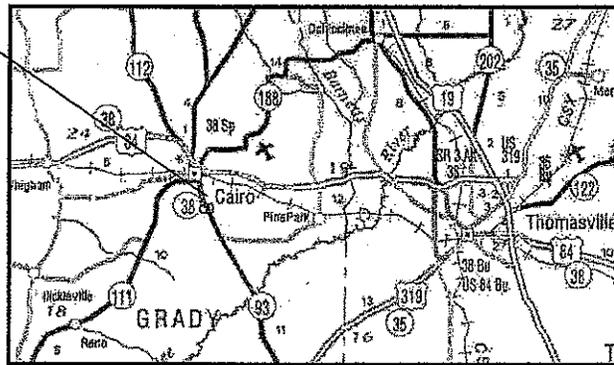
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BR-0003-00(842)
County: Grady
P. I. Number: 0003842

Project Concept Report

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

Project Location



Bridge Replacement: C.R. 85/Joyner Rd. @ Little Tired Creek in Cairo, GA

Recommended for approval:

DATE: 11/17/2003

DATE: 11/18/03

Jeff B...
Project Manager
D. C. ...
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: 11/20/03

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
District 4 – Tifton, Ga.

Project Number: BR-0003-00(842)

County: Grady

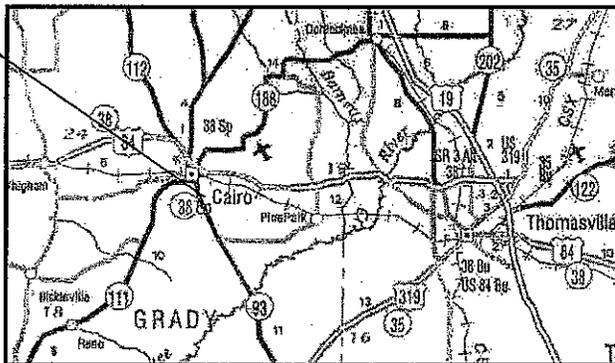
P. I. Number: 0003842

Project Concept Report

Federal Route Number: N/A

State Route Number: N/A

Project Location



Bridge Replacement: C.R. 85/Joyner Rd. @ Little Tired Creek in Cairo, GA

Recommended for approval:

DATE: 11/17/2003

DATE: 11/18/03

Jeff B...

Project Manager
D. E. ...

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: _____

DATE: 12.02.03

Financial Management Administrator
Shirley D. ...

State Environmental/Location Engineer

DATE: _____

State Traffic Safety and Design Engineer

DATE: _____

Project Review Engineer

DATE: _____

State Bridge Design Engineer

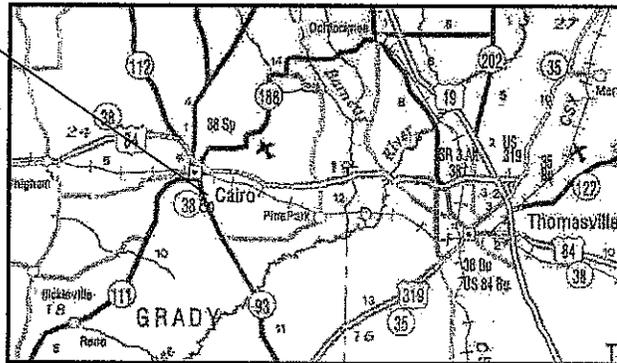
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
District 4 - Tifton, Ga.

Project Number: BR-0003-00(842)
County: Grady
P. I. Number: 0003842

Project Concept Report

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

Project Location



Bridge Replacement: C.R. 85/Joyner Rd. @ Little Tired Creek in Cairo, GA

Recommended for approval:

DATE: 11/17/2003

DATE: 11/18/03

Jeff B...
Project Manager
D. C. ...
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: 12/8/03

Paul V. Hill Jr.
State Bridge Design Engineer