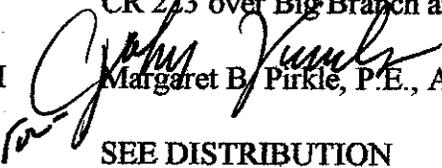


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00(842)/(843) Candler County **OFFICE** Preconstruction
P. I. Nos. 0002842/0002843
CR 223 over Big Branch and Lotts Creek **DATE** August 5, 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

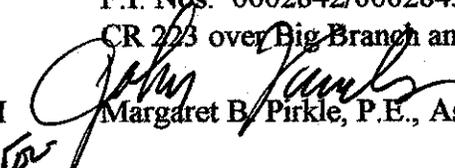
DISTRIBUTION:

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE BR-0002-00(842)/(843) Candler County **OFFICE** Preconstruction
P.I. Nos. 0002842/0002843
CR 223 over Big Branch and Lotts Creek **DATE** August 2, 2004

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

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

SUBJECT PROJECT CONCEPT REPORT

These combined projects are the replacement of two narrow and structurally deficient bridges on CR 223/Portal Highway over Big Branch and Lotts Creek, 8.0 miles north of Metter, Georgia. The existing bridges, constructed in 1953, are 27.5' wide with sufficiency ratings of 24 and 16. The existing approaches consist of a two lane roadway with rural shoulders on 80' of existing right-of-way. The base year traffic (2008) along this section of CR 223 is 1,750 VPD and the 20 year (2028) or design year projected volume is 2,800 VPD. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate CR 223 north of its present location, extending a total of 0.78 mile. The proposed new bridges will be 110' x 40' and 230' x 40' and will be located just north of the existing bridge structures. The relocated CR 223 will consist of two, 12' lanes with 6' rural shoulders. Traffic will be maintained on the existing bridges while the proposed bridges are constructed.

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.

I recommend that project BR 0002-00(843), P.I. No. 0002843, be combined with project BR-0002-00(842), P.I. No. 0002842. The new project will be BR-0002-00(842), P.I. No. 0002842, and include the Big Branch and Lotts Creek bridges.

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)	\$1,381,000	\$837,000	Q10	2006
Right-of-Way & Utilities*	Local	Local		

*Candler County signed LGPA on 8-17-01 for right-of-way, utilities, and detours.

Paul V. Mullins

Page 2

BR-0002-00(842)/(843) Candler County

August 2, 2004

I recommend this project concept be approved.

MBP:JDQ/cj

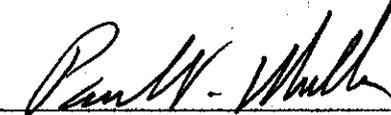
Attachment

CONCUR



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

APPROVE



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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: BR-0002-00(842) Candler
BR-0002-00(843)
P.I. No. 0002842 & 0002843
CR 223 @ Big Branch and Lotts Creek

OFFICE: Engineering Services

DATE: July 27, 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 13, 2004 by the letter from Gary Priester dated July 13, 2004, and have no additional comments.

The costs for this project are:

Construction	\$1,138,600
Inflation	\$116,707
E&C	\$125,531
Reimbursable Utilities	\$12,000
Right of Way	\$17,200

REW

c: Gary Priester, Attn.: Dennis Odom

SCORING RESULTS AS PER MOG 2440-2

Project Number: BR-0002-00(842) & BR-0002-00(843)		County: Candler		PI No.: 0002842 & 0002843	
Report Date: July 12, 2004		Concept By: DOT Office: District 5			
<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**

Interdepartmental Correspondence

File: BR-0002-00(842), BR-0002-00(843) Candler County
Desc.: C.R. 223 @ Big Branch and Lotts Creek
PI No. 0002842, 0002843

Office : Jesup

Date: July 13, 2004

From: Gary D. Priester, District Engineer, Jesup

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report

Remarks:

Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

This project is for the replacement of the bridges over Big Branch and Lotts Creek on C.R. 223 / Portal Highway in Candler County 6.4 miles north of Metter.

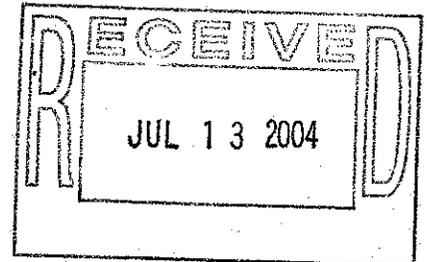
Should you have any questions or need any additional information, please contact Dennis Odom at 912-427-5716.

GDP:ADO

Attachments

cc:

General File Unit, Atlanta
Harvey Keepler, Office of Environment / Location
Joe Palladi P.E., Office of Planning
David Mulling, Office of Engineering Services
Paul Liles, Office of Bridge Design
Percy Middlebrooks, Office of Financial Management
Phillip Allen, Office of Traffic Safety and Design
Teresa Scott, District Planning and Programming
Jesup Files



Rev. 3-21-03

Handwritten initials: JL

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office: Jesup

Project Numbers: BR-0002-00(842), BR-0002-00(843)

County: Candler

P. I. Numbers: 0002842, 0002843

C.R. 223/Portal Highway @ Big Branch and Lotts Creek

Recommendation for approval:

DATE 7-23-04

Anthony D. Odum
Project Manager

DATE 7/12/04

Gary A. Hunter
District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

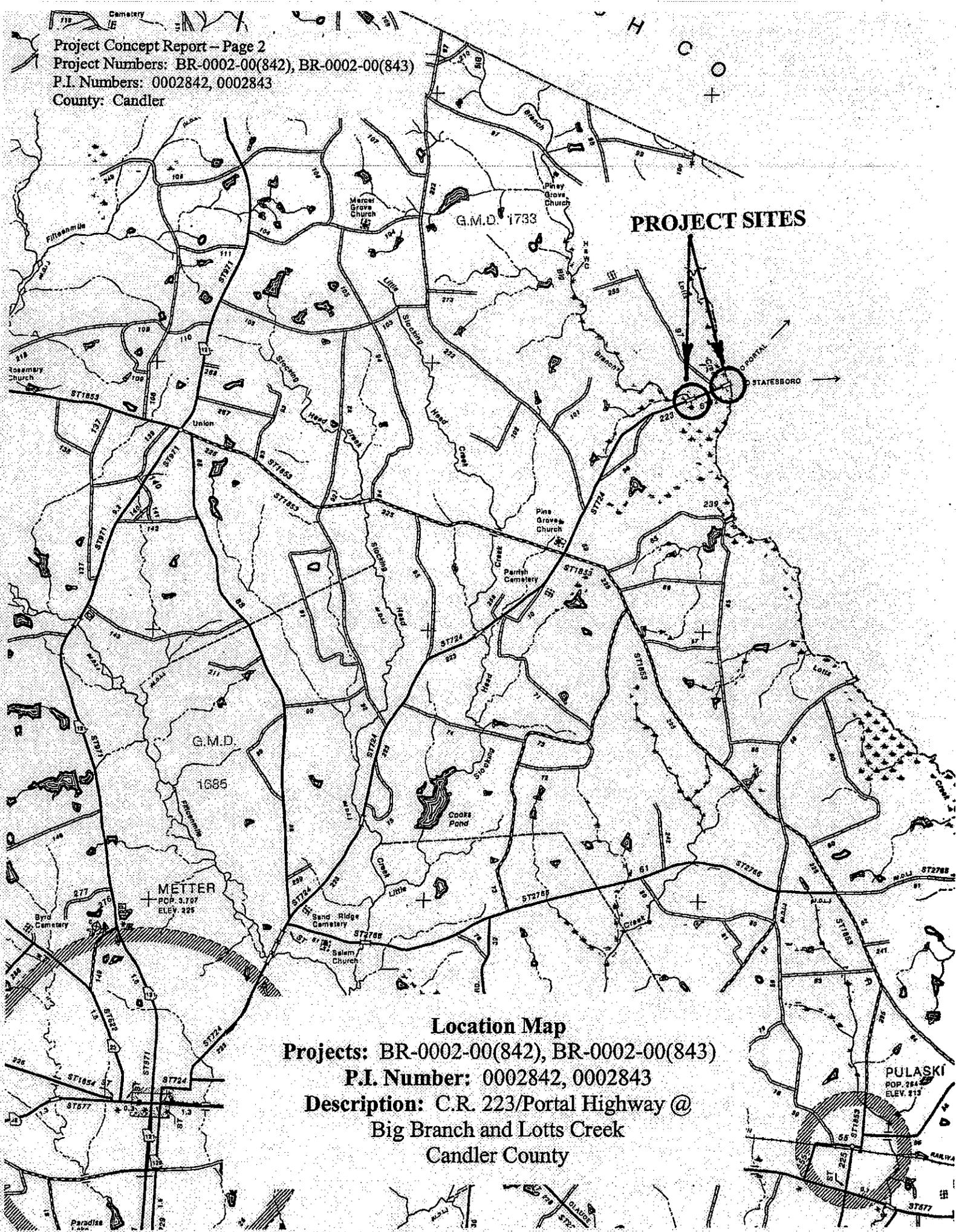
DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Engineer

Project Concept Report – Page 2
Project Numbers: BR-0002-00(842), BR-0002-00(843)
P.I. Numbers: 0002842, 0002843
County: Candler



PROJECT SITES

Location Map

Projects: BR-0002-00(842), BR-0002-00(843)

P.I. Number: 0002842, 0002843

**Description: C.R. 223/Portal Highway @
Big Branch and Lotts Creek
Candler County**

PULASKI
POP. 264
ELEV. 213

Need and Purpose: This project is needed to replace two bridges with substandard load capacity, and deck geometry. The existing bridges were built in 1953. These are located on C.R. 223/Portal Highway over Big Branch and Lotts Creek, have sufficiency ratings of 24.11 and 16.9, and were designed for H-15 live loading. Bridges with a rating under 50 and H-15 live loading do not meet current standards under TOPPS directive 2405-1. The existing bridge decks, which are 27.5 ft. wide, will be replaced with bridges which are 40 ft. wide. This will meet the guidelines of TOPPS directive 4265-9.

The average annual daily traffic (AADT) on this section of roadway was 1350 in 2000. 8 percent of the traffic volume is truck traffic. The projected AADT is 1170 for the year 2008 and 2800 for the design year 2028.

This section of C.R. 223 is functionally classified as a rural minor arterial.

Description of the proposed project: The approximate length of the projects are 0.78 miles. The projects are located 6.4 miles North of the City Limits of Metter Georgia, on C.R. 223 / Portal Highway at Big Branch and Lotts Creek. The logic for establishing this termini is due to replacing the bridges, and reworking the shoulders and slopes to accommodate the guardrail. The new bridges will be constructed on new alignment on the west side of the existing bridge. Traffic will be maintained by using the existing alignment. The concept proposes to satisfy the Need and Purpose by replacing two substandard load capacity and deck geometry bridges, while at the same time placing guardrail, and upgrading shoulders to accommodate guardrail.

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

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight (), Exempt(x), State Funded(), or Other ()

Functional Classification: Rural minor arterial

U. S. Route Number(s): NA **State Route Number(s):** NA

Traffic (AADT):

Current Year: ~~(1750) 2008~~ Design Year: (2028) 2800
(2008) 1750 ~~2800~~

Existing design features:

- Typical Section: Two paved 10' lanes, 6' shoulders, with v ditch left and right.
- Posted speed 55 mph Maximum degree of curvature: 2°00'
- Maximum grade: 2.9% mainline 5.0% driveways

- Width of right of way: 80 ft.
 - Major structures: 90' x 27.5' bridge with sufficiency rating of 24.11
 210' x 27.5' bridge with sufficiency rating of 16.9.
- Major interchanges or intersections along the project: County Road 576 intersects with County Road 223, at the north end of the project.
- Mile Point Reference:

Proposed Design Features:

- Proposed typical section(s): Two paved 12' lanes, with 6' shoulders left and right, and 4' wide ditches.
- Proposed Design Speed: Mainline- 55 mph
- Proposed Maximum grade Mainline: 2.9% Maximum grade allowable 3.5%.
- Proposed Maximum grade Side Street: NA.
- Proposed Maximum grade driveway 10.5%
- Proposed Maximum degree of curve: 4°00' Maximum degree allowable 5°30' @ 55 mph.
- Right of way
 - Width – Varies from 80' to 195'
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (x), Other ().
 - Number of parcels: 8 Number of displacements: 0
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridge: The proposed bridges will be 110' x 40' and 230' x 40'.
 - Retaining walls: None
- Major intersections and interchanges: County Road 576 intersects with County Road 223, at the north end of the project. County Road 576 will be realigned to tie in to County Road 223 at a better angle.
- Traffic control during construction: Traffic will be maintained on the existing alignment while the proposed bridges are being constructed.
- Design Exceptions to controlling criteria anticipated: None anticipated.

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	()		(x)
ROADWAY WIDTH:	()		(x)
SHOULDER WIDTH:	()		(x)
VERTICAL GRADES:	()		(x)
CROSS SLOPES:	()		(x)
STOPPING SIGHT DISTANCE:	()		(x)
SUPERELEVATION RATES:	()		(x)
HORIZONTAL CLEARANCE:	()		(x)
SPEED DESIGN:	()		(x)

VERTICAL CLEARANCE:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: None anticipated.
- Environmental concerns: Possible Section 404 permit. No hazardous waste sites or archaeological sites were noted at the project site. A potential historic site, Upper Lotts Creek Church, is located at the north end of the project.
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (x), No (),
 - Categorical exclusion (x),
- Utility involvements: Telephone

Project responsibilities:

- Design – District 5 Design Section
- Right of Way Acquisition – Candler County
- Relocation of Utilities – Utility Companies (LGPA)
- Letting to contract – G.D.O.T.
- Supervision of construction – G.D.O.T.
- Providing material pits - Contractor
- Providing detours – NA

Coordination

- A concept meeting was held on May 11, 2004. Minutes are attached
- No P. A. R. meetings were held
- No public involvement
- Local Government involvement: LGPA Signed on August 17, 2001
- Other projects in the area: BR-002-00(841)
No other coordination to date.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 6 Months.
- Time to complete the Section 404 Permit: 9 Months
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: None

Other alternates considered:

1. Build proposed bridge on new alignment east of the existing bridge.
2. Build proposed bridge on the same alignment as the existing bridges by using an on-site detour to maintain existing traffic.
3. Build proposed bridge on the same alignment as the existing bridges by using an off site detour to maintain existing traffic.
4. No Build.

Comments:

Alternate (1) was eliminated because the alignment would be longer. Additional curves would be needed to tie the new alignment to the existing roadway. There is also a potential historic site at the north end of the project of the east side of the roadway.

Alternate (2) was eliminated due to the cost of an on site detour. Also, building the bridges on the existing alignment would require more right of way from the potential historic site.

Alternate (3) was eliminated due to public inconvenience. There was not a practical off-site detour that could be used for this project.

Alternate (4) was eliminated due to the safety concern of continuing to use bridges that do not meet the minimum load capacity and deck width requirements.

Attachments:

1. Cost Estimate
2. Sketch location map
3. Notice of Location and Design Approval
4. Typical sections
5. Bridge inventory
6. Minutes of Concept Meeting
7. Local Government Project Agreement

D. GRADING AND DRAINAGE:

1. EARTHWORK

5000 cu. Yds. @ \$2.50 cu. Yd.

\$12,500

\$0

2. DRAINAGE

a. CROSS DRAIN PIPES (exc. Box culverts) - 120lf @ \$31/lf

\$3,800

b. CURB & GUTTER - lf X \$12/lf

\$0

c. LONGITUDINAL SYSTEM (incl. Catch Basins) -

\$0

SUBTOTAL =====

\$16,300

E. BASE AND PAVING:

1. AGGREGATE BASE - 7000 sq yd @ \$6.50 sq yd

\$45,500

2. ASPHALT PAVING - 2860 tn @ \$35 tn

\$100,100

3. CONCRETE PAVING - Appr slab - 270 sq yd @ \$120 sq yd

\$32,400

4. OTHER (driveways, mill existing paving, etc.) -

\$12,000

SUBTOTAL =====

\$190,000

F. LUMP SUM ITEMS:

1. EROSION CONTROL -

\$62,000

2. CLEARING & GRUBBING -

\$28,000

3. TRAFFIC CONTROL -

\$20,000

5. DETOURS (incl Temp. bridges) -

\$0

SUBTOTAL =====

\$110,000

G. MISCELLANEOUS:

1. LIGHTING -

\$0

2. SIGNING & STRIPING -

\$4,000

3. GUARDRAIL -

\$15,000

SUBTOTAL =====

\$19,000

ESTIMATE SUMMARY

A. RIGHTS-OF-WAY -----	\$17,200
B. REIMBURSABLE UTILITIES -----	\$12,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES -----	\$803,300
D. GRADING AND DRAINAGE -----	\$16,300
E. BASE AND PAVING -----	\$190,000
F. LUMP SUM ITEMS -----	\$110,000
G. MISCELLANEOUS -----	\$19,000
SUBTOTAL CONSTRUCTION COST -----	<u>\$1,138,600</u>
E & C (10%) -----	\$113,860
INFLATION (2 YRS @ 5% /YR) -----	\$113,860
TOTAL CONSTRUCTION COST =====	<u>\$1,366,320</u>
GRAND TOTAL PROJECT COST =====	\$1,395,520

Cost Estimate Prepared by: Dennis Odom, District Design Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Nos. BR-0002-00(842), BR-0003-00(843)

P. I. NUMBERS 0002842, 0002843

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 this project.

Date of Location Approval: AUGUST 5, 2004

Date of Environmental Approval: _____

The project consist of improvements of C.R. 223 over Big Branch and Lotts Creek, located in Candler County, 8 miles North of Metter. The projects are for the replacement of two bridges with substandard load capacity, and deck geometry. The bridges have a high priority for replacement with a sufficiency ratings of 24.11 and 16.90.

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:

Claude Jackson
GDOT

Claude.Jackson@dot.state.ga.us

17213 Hwy 301 North
Statesboro GA 30458
Phone: 912-871-1103

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:

Tony Collins
GDOT
Tony.Collins@dot.state.ga.us
P.O. Box 610
Jesup GA 31598
Phone: 912-427-5715

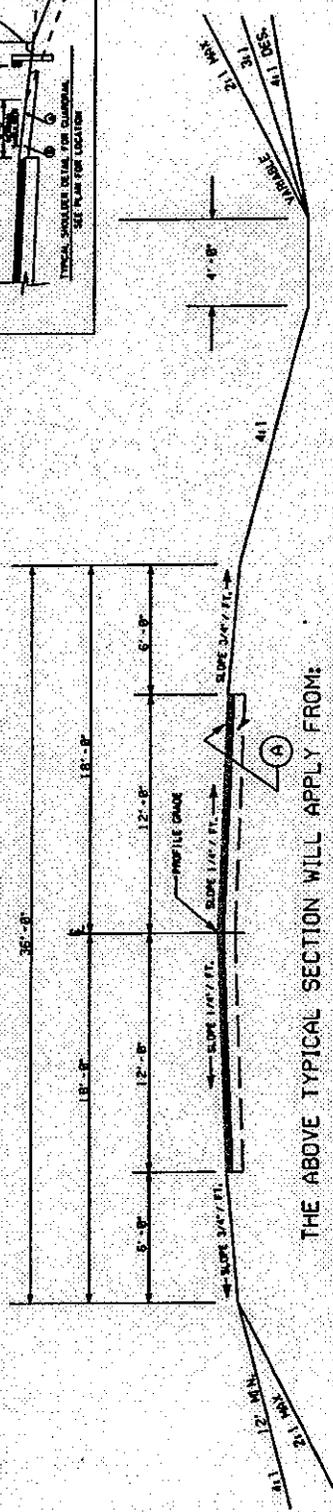
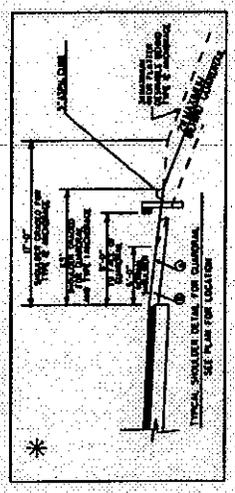
Any written request or communication in reference to this project or notice SHOULD include the Project and P. I. Numbers as noted at the top of this notice.

SLOPE CONTROLS	
SLOPE	FILL
4:1	0-6'
3:1	3'-5'
*2:1	OVER 6' OVER 6'

• REQUIRES GUARDRAIL

TYPICAL SECTION

STATE	BR-0902-000 (842) (843)
DATE	
PROJECT NUMBER	
NO.	
SHEET	

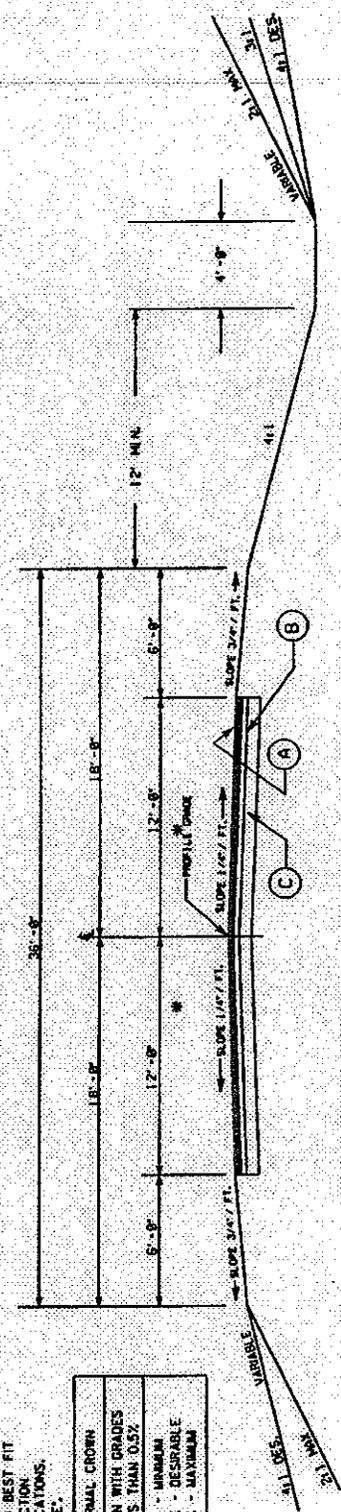


THE ABOVE TYPICAL SECTION WILL APPLY FROM:
 STA 7+00 to 10+99.99 and from 50+00.01 to 53+00.00

- (A) 125 LBS. PER SQ YD ASPH CONC 9.5 MM SUPERPAVE (LEVEL B)

• STANDARD CROSS-SLOPE OF 2% MAY BE VARIED AS DIRECTED BY THE ENGINEER TO BEST FIT THE EXISTING ROADWAY AS PER SECTION 149 OF THE SUPPLEMENTAL SPECIFICATIONS. SEE * ALLOWABLE RANGES TABLE.

SECTION WITH GRADES 0.5% OR GREATER	SECTION WITH GRADES LESS THAN 0.5%
1.50% - MINIMUM	1.56% - MINIMUM
2.00% - DESIRABLE	2.00% - DESIRABLE
2.50% - MAXIMUM	3.00% - MAXIMUM



THE ABOVE TYPICAL SECTION WILL APPLY FROM:
 STA 11+00.00 to 50+00.00

- ALTERNATE 'A'
- (A) 125 LBS. PER SQ YD ASPH CONC 9.5 MM SUPERPAVE (LEVEL B)
 - (B) 220 LBS. PER SQ YD ASPH CONC 19 MM SUPERPAVE (LEVEL A)
 - (C) 440 LBS. PER SQ YD ASPH CONC 25 MM SUPERPAVE (LEVEL A)
- ALTERNATE 'B'
- (A) 125 LBS. PER SQ YD ASPH CONC 9.5 MM SUPERPAVE (LEVEL B)
 - (B) 220 LBS. PER SQ YD ASPH CONC 19 MM SUPERPAVE (LEVEL A)
 - (C) GRADED AGGREGATE BASE - 8 IN.

* PAY LIMITS FOR GRADED AGGREGATE BASE.

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 043-0035-0

Candler

SUFF. RATING: 24.11

Location & Geography

* Structure ID: 043-0035-0
 * 200 Bridge Information: 06
 * 6A Feature Int: BIG BRANCH
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR00223
 * 7B Facility Carried: PORTAL HIGHWAY
 * 9 Location: 8 MI N OF BETTER
 * 2 DOT District: 5
 * 207 Year Photo: 1999
 * 91 Inspection Frequency: Date: 12/10/2002
 * 92A Fract. Crit Insp Freq: Date: 02/01/1901
 * 92B Underwater Insp Freq: Date: 09/16/2002
 * 92C Other Spc. Insp Freq: Date: 02/01/1901
 * 4 Place Code: 00000
 * 5 Inventory Route (O/U): 1
 * Type: 4
 * Designation: 1
 * Number: 00724
 * Direction: 0
 * 16 Latitude: 32 - 29.1 HMMS Prefix:
 * 17 Longitude: 81 - 58.6 HMMS Suffix: MP: 0.00
 * 98 Border Bridge: 000 % Shared: 00
 * 99 ID Number: 000000000000000
 * 100 STRAHNET: 0
 * 12 Base Highway Network: 1
 * 13A LRS Inventory Route: 432023300
 * 13B Sub Inventory Route: 0
 * 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 008.08
 * 208 Inspection Area: 10 Initials: DLC
 * Engineer's Initial: sgm
 * Location I.D. No.: 043-00724F-008.13N

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No. 00724
 * 105 Federal Lands Highway: 0
 * 110 Truck Route: 0
 * 206 School Bus Route: 0
 * 217 Benchmark Elevation: 0000.00
 * 218 Datum: 0
 * 19 Bypass Length: 08
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 01
 * 27 Year Constructed: 1953
 * 106 Year Reconstructed: 0000
 * 33 Bridge Median: 0
 * 34 Skew: 00
 * 35 Structure Flared: 0
 * 38 Navigation Control: 0
 * 213 Special Steel Design: 0
 * 267 Type of Paint: 0
 * 42 Type of Service on: 1
 * Type of Service under: 5
 * 214 Movable Bridge: 0
 * 203 Type Bridge: C K A O
 * 239 Pile Encasement: 3
 * 43 Structure Type Main: 1 01
 * 45 No. Spans Main: 006
 * 44 Structure Type Appr: 0
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horz: 0
 * 111 Pier Protection: 0
 * 107 Deck Structure Type: 2
 * 108 Wearing Surface Type: 6
 * Membrane Type: 8
 * Deck Protection: 8

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: 2
 * 240 Median Barrier Rail: 2
 * 241 Bridge Median Height: 0
 Bridge Median Width: 0.00
 * 230 Guardrail Loc. Dir. Rear: 6
 Fwrd: 6
 Oppo. Dir. Rear: 0
 Oppo. Fwrd: 0
 244 Approach Slab: 3
 224 Retaining Wall: 0
 233 Posted Speed Limit: 55
 236 Warning Sign: 0
 234 Delineator: 0
 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

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 043-0035-0

Candler

SUFF. RATING: 24.11

Programming Data

201 Project No.: S-0724 (1)
 202 Plans Available: 0
 249 Prop. Proj. No. BR-0002-00 (842)
 250 Approval Status: 0 0 0 0
 251 P.I. No.: 0002842
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31
 94 Bridge Imp. Cost: \$ 99
 95 Roadway Imp. Cost: \$ 48
 96 Total Imp Cost: \$ 178
 76 Imp. Length: 000301
 97 Imp. Year: 1990
 114 Future ADT: 002100 Year: 2021

Measurements

* 29 ADT: 001400 Year: 2001
 * 109 % Trucks: 10
 * 28 Lanes On: 02 Under: 00
 * 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0015
 * 49 Structure Length: 90
 * 51 Br. Rwdy. Width: 23.70
 * 52 Deck Width: 27.50
 * 47 Tot. Horiz. Cl: 23.70
 * 50 Curb / Sidewalk Width: 0.00 / 0.00
 * 32 Approach Rdwy. Width: 020
 * 229 Shoulder Width:

Rear Lr: 5.00 Type: 8 Rt: 5.00
 Fwd Lt: 5.00 Type: 8 Rt: 5.00

Pavement Width:

Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2

Intersection Rear:

0 Fwd: 1

Safety Features Br. Rail:

2 Transition:

2 App. G. Rail:

2 App. Rail End:

2 Minimum Cl. Over:

99 ' 99 " Under:

N 00 ' 00 "

* 228 Minimum Vertical Cl

Act. Odm Dir:

99 ' 99 "

Oppo. Dir:

99 ' 99 "

Posted Odm. Dir:

00 ' 00 "

Oppo. Dir:

00 ' 00 "

55 Lateral Undercl. Rt:

N 99.90

56 Lateral Undercl. Lr:

99 ' 99 " Dir: 0

10 Max Min Vert Cl:

000 Horiz: 0000

39 Nav Vert Cl:

000

116 Nav Vert Cl Closed:

000

245 Deck Thickness Main:

12.00

246 Deck Thick. Approach:

0.00

212 Year Last Painted:

1.00 Sup: 0000 Sub: 0000

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Flood Elevation: 0000.0 Freq.: 00
 Avg. Streambed Elev.: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 04.0 Br. Height: 09.6
 222 Slope Protection: 6
 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: RMO

Location I.D. No.: 043-00724F-008.13N

Ratings

65 Inventory Rating Method: 2
 63 Operating Rating Method: 2
 66 Inventory Type: 2 Rating: 16
 64 Operating Type: 2 Rating: 24
 231 Calculated Loads

H-Modified: 10 1
 HS-Modified: 18 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: 6
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 4
 60B Scour Condition: 6
 60C Underwater Condition: 5
 71 Waterway Adequacy: 6
 61 Channel Protection Cond.: 7
 68 Deck Geometry: 3
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 2
 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

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 043-0036-0

Candler

SUFF. RATING: 16-90

Location & Geography

* Structure ID: 043-0036-0
 * 200 Bridge Information: 06
 * 6A Feature Int: LOTT'S CREEK
 * 6B Critical Bridge: 0
 * 7A Route Number Carried: CR00223
 * 7B Facility Carried: PORTAL HIGHWAY
 * 9 Location: 9 MI N OF METTER
 * 2 DOT District: 5
 * 207 Year Photo: 1999
 * 91 Inspection Frequency: 24 Date: 12/10/2002
 * 92A Fract Crit Insp Freq: 00 Date: 02/01/1901
 * 92B Underwater Insp Freq: 60 Date: 09/16/2002
 * 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 00000
 * 5 Inventory Route (O/U): 1
 Type: 4
 Designation: 1
 Number: 00724
 Direction: 0
 * 16 Latitude: 32 - 29.1 HMMS Prefix:
 * 17 Longitude: 81 - 58.2 HMMS Suffix:
 98 Border Bridge: 000 % Shared: 00 MP: 0.00
 99 ID Number: 000000000000000
 * 100 STRAHNET: 0
 12 Base Highway Network: 1
 13A LRS Inventory Route: 43202300
 13B Sub Inventory Route: 0
 101 Parallel Structure: N
 * 102 Direction of Traffic: 2
 * 264 Road Inventory Mile Post: 008.44
 * 208 Inspection Area: 10 Initials: DLC
 Engineer's Initial: sgm
 * Location I.D. No.: 043-00724F-008.49N

Signs & Attachments

* 104 Highway System: 0
 * 26 Functional Classification: 07
 * 204 Federal Route Type: S No. 00724
 * 105 Federal Lands Highway: 0
 * 110 Truck Route: 0
 * 206 School Bus Route: 0
 * 217 Benchmark Elevation: 0000.00
 * 218 Datum: 0
 * 19 Bypass Length: 04
 * 20 Toll: 3
 * 21 Maintenance: 02
 * 22 Owner: 02
 * 31 Design Load: 2
 * 37 Historical Significance: 5
 * 205 Congressional District: 01
 * 27 Year Constructed: 1953
 * 106 Year Reconstructed: 0000
 * 33 Bridge Median: 0
 * 34 Skew: 00
 * 35 Structure Flared: 0
 * 38 Navigation Control: 0
 * 213 Special Steel Design: 0
 * 267 Type of Paint: 0
 * 42 Type of Service on: 1
 Type of Service under: 5
 * 214 Movable Bridge: 0
 * 203 Type Bridge: C K A O
 * 259 Pile Encasement: 3
 * 43 Structure Type Main: 1
 * 45 No. Spans Main: 014
 * 44 Structure Type Appr: 0
 * 46 No. Spans Appr: 0000
 * 226 Bridge Curve Horz: 0
 * 111 Pier Protection: 0
 * 107 Deck Structure Type: 2
 * 108 Wearing Surface Type: 6
 Membrane Type: 8
 Deck Protection: 8

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: 2
 * 240 Median Barrier Rail: 2
 * 241 Bridge Median Height: 0
 Bridge Median Width: 0.00
 * 230 Guardrail Loc. Dir. Rear: 6
 Fwd: 3
 Oppo. Dir. Rear: 0
 Oppo. Fwd: 0
 244 Approach Slab: 3
 224 Retaining Wall: 0
 233 Posted Speed Limit: 55
 236 Warning Sign: 0
 234 Delineator: 0
 235 Hazard 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
 Vert: 0

Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 043-0036-0

Candler

SUFF. RATING: 16.90

Programming Data

201 Project No.: S-0724 (1)
 202 Plans Available: 0
 249 Prop. Proj. No. BR-0002-00 (843)
 250 Approval Status: 0 0 0 0
 251 P.I. No.: 0002843
 252 Contract Date: 02/01/2006
 260 Seismic No.: 00000
 75 Type Work: 31
 94 Bridge Imp. Cost: \$ 230
 95 Roadway Imp. Cost: \$ 80
 96 Total Imp Cost: \$ 380
 76 Imp. Length: 000421
 97 Imp. Year: 1990
 114 Future ADT: 002100 Year: 2021

Hydraulic Data

215 Waterway Data
 Highwater Elev.: 0000.0 Year: 1900
 Flood Elevation: 0000.0 Freq.: 00
 Avg. Streambed Elev.: 0000.0
 Drainage Area: 00000
 Area of Opening: 000000
 113 Scour Critical: U
 216 Water Depth: 06.0 Br. Height: 11.4
 222 Slope Protection: 6
 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: RMO
 Location I.D. No.: 043-00724F-008.49N

Measurements

* 29 ADT: 001400 Year: 2001
 109 % Trucks: 10
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0015
 * 49 Structure Length: 210
 51 Br. Rwdy. Width: 23.70
 52 Deck Width: 27.50
 * 47 Tot. Horiz. Cl: 23.70
 50 Curb / Sidewalk Width: 0.00 / 0.00
 32 Approach Rdwy. Width: 020
 * 229 Shoulder Width:
 Rear Lt: 6.00 Type: 8 Rt: 6.00
 Fwd Lt: 6.00 Type: 8 Rt: 6.00

Pavement Width:

Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2
 Intersection Rear: 0 Fwd: 1
 36 Safety Features Br. Rail: 2
 Transition: 2
 App. G. Rail: 2
 App. Rail End: 2
 53 Minimum Cl. Over: 99 ' 99 " Dir: 00 ' 00 "
 Under: 99 ' 99 " Dir: 00 ' 00 "
 228 Minimum Vertical Cl: 99 ' 99 " Dir: 00 ' 00 "
 Act. Odm Dir: 99 ' 99 " Dir: 00 ' 00 "
 Oppo. Dir: 99 ' 99 " Dir: 00 ' 00 "
 Posted Odm. Dir: 99 ' 99 " Dir: 00 ' 00 "
 Oppo. Dir: 99 ' 99 " Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 00 ' 00 "
 39 Nav Vert Cl: 000 Horiz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 12.00
 Deck Thck. Approach: 0.00
 246 Overlay Thickness: 1.00
 212 Year Last Painted: Sup: 0000 Sub: 0000

Ratings

65 Inventory Rating Method: 2
 63 Operating Rating Method: 2
 66 Inventory Type: 2 Rating: 00
 64 Operating Type: 2 Rating: 00
 231 Calculated Loads
 H-Modified: 12.1
 HS-Modified: 22.0
 Type 3: 14.1
 Type 3s2: 25.1
 Timber: 19.1
 Piggyback: 00.0
 261 H Inventory Rating: 11
 262 H Operating Rating: 15
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 6
 * 227 Collision Damage: 0
 60A Substructure Condition: 2
 60B Scour Condition: 7
 60C Underwater Condition: 5
 71 Waterway Adequacy: 6
 61 Channel Protection Cond.: 7
 68 Deck Geometry: 3
 69 UnderClr. Horz/Vert: N
 72 Appr. Alignment: 7
 62 Culvert: N
Posting Data
 70 Bridge Posting Required: 1
 41 Struct Open, Posted, CL: P
 * 103 Temporary Structure: T
 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

MINUTES OF THE CONCEPT MEETING
BR-0002-00(841), BR-0002-00(842), BR-0002-00(843), Candler County
P.I. NUMBERS 0002841, 0002842, 0002843
DATE: May 11, 2004

The meeting began at 10:05 A.M. at the Statesboro Area Office, at which time the description of the project was read, and the main headings from the Project Concept Report were covered. During this time a sign in sheet was passed around for those in attendance to sign.

Those in attendance:

Aghdas Ghazi, Assistant Area Engineer, Construction, Statesboro
Stewart Jarrell, Cad Tech, Pineland Telephone, Metter
Larry Graham, R/W Consultant, Atlanta
Sheree Smart, District Environmentalist, Jesup
Dennis Odom, District Design Engineer, Jesup
Stephen Thomas, Assistant District Utilities Engineer, Jesup

Environmental issues were covered. There is little impact to wetlands on all three sites. On project BR-0002-00(841) most of the wetlands appear to be on the west side of the existing bridge. On projects BR-0002-00(842) and BR-0002-00(843) wetlands are more prominent on the east side. There is also potential historic property on the north end of BR-0002-00(843). It is an old church building.

Utilities for BR-0002-00(841) consisted of power on the west side and a fiber optic cable on the east side. A phone line is on the east side of BR-0002-00(842) and power is on the west side of BR-0002-00(843).

All parties agreed that BR-0002-00(842) and BR-0002-00(843) should be combined since the two sites are close together. They also agreed on a realignment to the west. This would cover both projects and would not impact the potential historic site.

After the meeting, Aghdas Ghazi, Dennis Odom and Sheree Smart assembled at the project site to review the proposed alignment.



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

BILLY F. SHARP
TREASURER
(404) 656-5224

August 13, 2001

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, CANDLER County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0002-00(842) Candler Co., PI # 0002842: BRIDGES CR 223/ PORTAL HIGHWAY @ BIG BRANCH 8 MI NORTH OF METTER

- 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.

District # 5
Jesup

Date: 8/27/01

This 17th day of August, 2001

APPROVED [Signature]

City/County Official

- Dist. Engr.
- Personnel
- Contracts
- Dist. Est.
- Mtl's Test
- Constr.
- Progr. & R.I. *7/2/01*
- Pre-Const.
- Local Gov./R.W. *8/2/01*
- Design
- State Aid *8-29-*
- Right of Way
- E.E.O. & Tr.
- Employee Sfty
- Traffic Sfty
- Utilities
- Adm. Officer
- Purchasing
- Maintenance



Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

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August 13, 2001

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, CANDLER County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0002-00(843) Candler Co., PI # 0002843: BRIDGES CR 223/ PORTAL HIGHWAY @ LOTT'S CREEK 9 MI NORTH OF METTER

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.

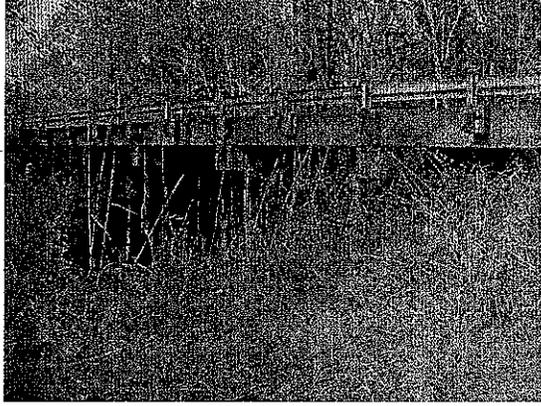
NOTE: *A similar agreement has been sent to Bulloch County.*

This 31st day of AUGUST, 2001

APPROVED Lamar Samples

Lamar Samples, Chairman, Candler County Commissioners
City/County Official

0002842 – CR 223 @ Big Branch



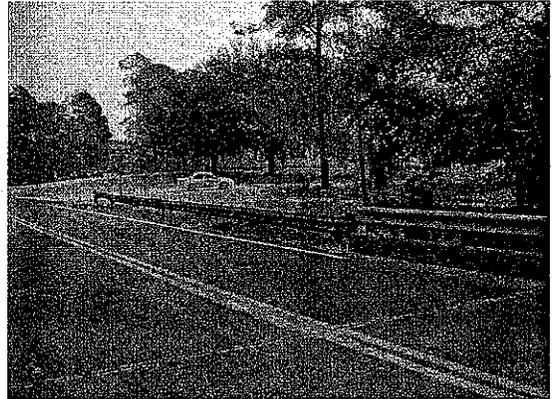
0002842 – CR 223 @ Big Branch



0002843 – CR223 @ Lotts Creek



0002843 - Potential Historic Property



0002843 - Potential Historic Property



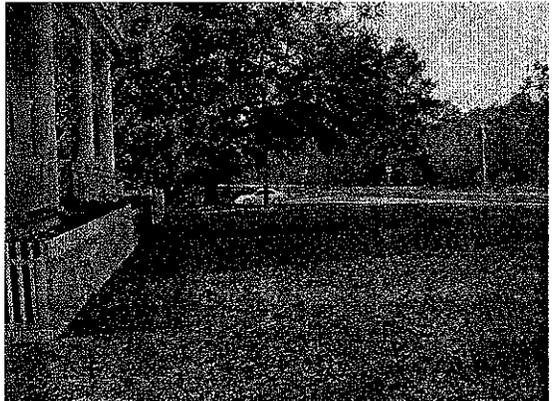
0002843 - Intersection North of Bridge



0002843 - Potential Historic Property



0002843 – View of bridge from Potential Historic Property



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Office: Jesup

Project Numbers: BR-0002-00(842), BR-0002-00(843)

County: Candler

P. I. Numbers: 0002842, 0002843

C.R. 223/Portal Highway @ Big Branch and Lotts Creek

Recommendation for approval:

DATE _____

DATE 7/12/04

Project Manager
Gary O. Hunter

District Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

State Transportation Programming Engineer

DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE 7/16/04

Paul V. Tullis Jr

State Bridge and Structural Engineer