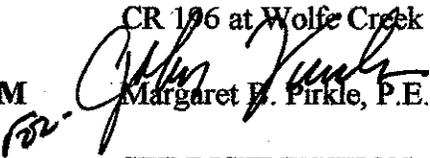


D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** BR-0002-00(734) Candler County **OFFICE** Preconstruction  
P. I. No. 0002734  
CR 106 at Wolfe Creek **DATE** May 6, 2004

**FROM**  Margaret E. 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

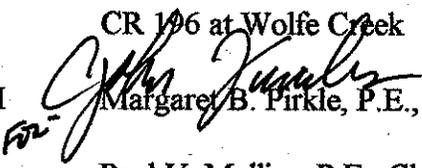
**DISTRIBUTION:**

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0002-00(734) Candler County **OFFICE** Preconstruction  
P.I. No. 0002734  
CR 196 at Wolfe Creek **DATE** February 18, 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 196 over Wolfe Creek, 6.0 miles south of Metter, Georgia. The existing bridge, constructed in 1955, is load limited with a sufficiency rating of 27. County Road 196 at this location is a rural two lane roadway with 10' travel lanes with rural shoulders. Traffic is projected to be 500 VPD and 800 VPD in the years 2007 and 2027 respectively. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate CR 196 east of its present location, extending a total of 0.49 mile. The proposed new bridge will be 160' x 30' and will be located just east of the existing bridge structure. The relocated CR 196 will consist of two, 12' lanes with 8' rural shoulders. Traffic will be maintained by using an off-site detour and closing the existing roadway.

Environmental concerns include requiring a COE 404 Permit, a Categorical Exclusion will be prepared; 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)	\$878,000	\$884,000	2008	2008
Right-of-Way & Utilities	Local	Local		

\*Candler County signed LGPA on 7-16-01 for right-of-way, utilities, and detours.

Paul V. Mullins  
Page 2

BR-0002-00(734) Candler  
February 18, 2004

I recommend this project concept be approved.

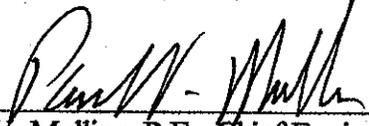
MBP:JDQ/cj

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(734) Candler  
P.I. No.: 0002734  
CR 196 @ Wolfe Creek

**OFFICE:** Engineering Services

**DATE:** February 6, 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 February 2, 2004 by the letter from Gary Priester dated January 27, 2004, and have the following comments:

- Estimated utility relocation costs, if applicable, should be included "for information only" on the Cost Estimate.
- Estimated earthwork quantities, square foot quantity for the bridges, and estimated paving quantities should be included on the Cost Estimate

The costs for this project are:

Construction	\$692,380
Inflation	\$103,857
E&C	\$79,624
Reimbursable Utilities	Not provided (LGPA)
Right of Way	\$8250

REW

c: Gary D. Priester, Attn.: Dennis Odom

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BR-0002-00(734)	<b>County:</b> Candler	<b>PI No.:</b> 0002734
<b>Report Date:</b> January 29, 2004	<b>Concept By:</b> DOT Office: District Five Design	
<input checked="" type="checkbox"/> <b>Concept Stage</b>	Consultant: N/A	
<b>Project Type:</b> 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
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>
<b>Presentation</b>	90	Quantity used to determine costs for Earthwork, bridges and Asphaltic Concrete should be included on the Cost Estimate. Estimated Utility relocation costs should be included, if applicable.
<b>Judgement</b>	100	
<b>Environmental</b>	100	
<b>Right of Way</b>	100	
<b>Utility</b>	100	
<b>Constructability</b>	100	
<b>Schedule</b>	100	

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**Interdepartmental Correspondence**

File: BR-0002-00 (734) Candler County  
PI No. 0002734  
CR196 @ Wolfe Creek

Office : Jesup

Date: January 27, 2004

From: Gary D. Priester, District Engineer, Jesup



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 (PDP).

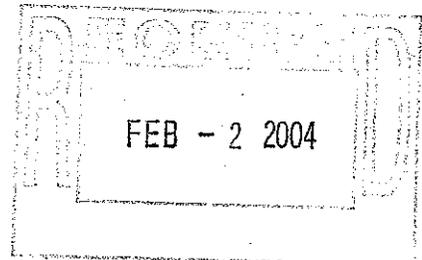
This project is for the replacement of the bridge at Wolfe Creek on CR 196 in Candler County. Should you have any questions or need any additional information, please contact Dennis Odom at 912-427-5716.

GDP:ADO

**Attachments**

cc:

General File Unit, Atlanta  
Harvey Keeper, 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



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office: Jesup*

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

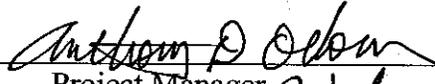
State Route Number: N/A

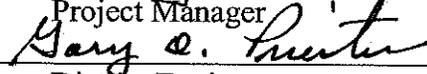
County Road: CR 196

Recommendation for approval:

DATE 1-29-04

DATE 1-29-04

  
\_\_\_\_\_  
Project Manager

  
\_\_\_\_\_  
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 \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
Office of Financial Management Administrator

\_\_\_\_\_  
State Environmental/Location Engineer

\_\_\_\_\_  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.



Project Concept Report page 3  
Project Number: BR-0002-00 (734)  
P. I. Number: 0002734  
County: Candler

**Need and Purpose:** This project is needed to replace a bridge with substandard load capacity and deck geometry. The existing bridge was built in 1955. It is located on CR 196 / Harley Glisson Road over Wolfe Creek, has a sufficiency rating of 27.1 and was designed for H-10 live loading. Bridges with a rating under 50 and H-10 live loading do not meet current standards under TOPPS directive 2405-1. The existing bridge deck, which is 24.2 wide, will be replaced with a bridge which is 30 feet wide. This will meet the guidelines of TOPPS directive 4265-09.

The average annual daily traffic (AADT) on this section of roadway was 400 in 2002. One percent of the traffic volume is truck traffic. The projected AADT is 500 for the year 2007 and 800 for the design year 2027.

This section of CR 196 is functionally classified as a rural collector.

**Description of the proposed project:** The approximate length of the project is 0.49 miles; it is located 6 miles south of the city limits of Metter Georgia, on CR196 at Wolfe Creek. The logic for establishing these termini is due to replacing the bridge and reworking the shoulders and slopes to accommodate the guardrail. The new bridge will be constructed on new alignment east of the existing bridge, because the end of the bridge is close to the PC of the curve on the existing alignment. Traffic will be maintained by using an off-site detour and closing the existing roadway. The concept proposes to satisfy the Need and Purpose by replacing a substandard load capacity and deck geometry bridge, 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 Collector

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

**Traffic (AADT):** Current Year: (2007) 500                      Design Year: (2027) 800

**Existing design features:**

- Typical Section: Two paved 10 ft lanes, 4 ft shoulders, with v ditch left and right.
- Posted speed 55 mph                      Maximum degree of curvature: 5° 30' 00'
- Maximum grade: 8.8% mainline      N/A Driveways
- Width of right of way: 80-ft
- Major structures: 160' x 24.2' bridge with sufficiency rating of 27.1.
- Major interchanges or intersections along the project: N/A
- Existing length of roadway segment: 0.51 miles.

**Proposed Design Features:**

- Proposed typical section(s): *Two paved 12' lanes, with 8' shoulders left and right and 2' wide ditches.*
- Proposed Design Speed Mainline 55mph
- Proposed Maximum grade Mainline 2.0%                      Maximum grade allowable 3.5%.
- Proposed Maximum grade Side Street N/A%                      Maximum grade allowable N/A%.
- Proposed Maximum grade driveway 10.5%
- Proposed Maximum degree of curve 5%                      Maximum degree allowable 5% @ 55 mph.
- Right of way
  - Width 80 ft.
  - Easements: Temporary (X), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
  - Number of parcels: 2                      Number of displacements: 0
- Structures:
  - Bridges: The proposed bridge will be 160' x 30'.
  - Retaining walls N/A
- Major intersections and interchanges. N/A
- Traffic control during construction: Roadway to be closed during construction.
- 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:	( )	( )	(x)
BRIDGE WIDTH:	( )	( )	(x)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(x)

- Design Variances: None anticipated.
- Environmental concerns: Possible Section 404 permit. No hazardous waste sites, history or archaeological sites were noted at the project site.
- Anticipated level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion (X),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).
- Utility involvements: Ga. Power – power lines on the west side.

Project Concept Report page 5  
Project Number: BR-0002-00 (734)  
P. I. Number: 0002734  
County: Candler

**Project responsibilities:**

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

**Coordination**

- A concept meeting was held on January 8, 2003, minutes are attached.
- No P. A. R. meetings were held.
- No Public involvement.
- No Local government comments.
- Other projects in the area: None.
- 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 west of the existing bridge.
2. Replace existing bridge on the same alignment by using an on-site detour to maintain existing traffic.
3. No Build.

**Comments:**

Alternate (1) was eliminated because the alignment would be longer. A longer and sharper curve would be needed to tie into the existing alignment.

Alternate (2) was eliminated due to the cost of the on site detour and because the existing curve is too sharp and the PT of the curve is too close to the bridge.

Alternate (3) was eliminated due to the safety concern of continuing to use a bridge that does not meet the minimum bridge width and load capacity requirements.

Project Concept Report page 6  
Project Number: BR-0002-00 (734)  
P. I. Number: 0002734  
County: Candler

**Attachments:**

1. Cost Estimate
2. Typical sections,
3. Bridge inventory,
4. Minutes of Concept meeting,
5. LGPA,
6. Sketch of Proposed Alignment
7. Photographs of Bridge Site

# PRELIMINARY COST ESTIMATE

DATE: 12/11/2003

PROJECT NUMBER: BR-002-00(0734), Candler County

P.I. NUMBER: 0002734

PROJECT DESCRIPTION: Bridge- CR 196/Harley Glisson Road @ Wolfe Creek 6 miles south of Metter/Cand

PROPOSED CONCEPT: Bridge Replacement and Realignment

TRAFFIC: EXISTING:(2007) 500                      DESIGN:(2027) 800

Program Process ( ) Concept Development (X) Project Development ( )

## PROJECT COSTS

### A. RIGHT OF WAY:

1. PROPERTY ( LAND & EASEMENTS)	\$7,500
2. DISPLACEMENTS & RELOCATIONS -	\$0.00
3. OTHER COSTS (ADM./COURT/INFLATION) -	\$750
<b>SUBTOTAL =====</b>	<b>\$8,250</b>

### B. REIMBURSABLE UTILITIES:

	LGPA
1. TELEPHONE LINES -	\$0
2. TRANSMISSION LINES -	\$0
3. SERVICES -	\$0
<b>SUBTOTAL =====</b>	<b>\$0</b>

### C. MAJOR STRUCTURES:

1. REMOVAL OF EXISTING BRIDGE -(\$10/SF)	\$38,720
2. BRIDGE- stream crossing - (\$53/SF)	\$198,750
3. BRIDGE - over/underpass	\$0
4. DETOUR BRIDGE -	\$0
<b>SUBTOTAL =====</b>	<b>\$237,470</b>

**D. GRADING AND DRAINAGE:**

**1. EARTHWORK**

Grading Complete \$200,000  
unclas excavation - \$0

**2. DRAINAGE**

a. CROSS DRAIN PIPES (exc. Box culverts) - \$0

b. CURB & GUTTER \$0

c. LONGITUDINAL SYSTEM (incl. Catch Basins) - \$0

**SUBTOTAL =====** \$200,000

**E. BASE AND PAVING:**

1. AGGREGATE BASE - 3600 SY / 6" GAB \$25,200

2. ASPHALT PAVING - SUPERPAVE \$30,240

3. CONCRETE PAVING - \$15,600

4. ASPHALT PAVING - OVERLAY - \$1,000

**SUBTOTAL =====** \$72,040

**F. LUMP SUM ITEMS:**

1. EROSION CONTROL - \$123,000

2. CLEARING & GRUBBING - \$10,000

3. TRAFFIC CONTROL - \$30,000

4. LANDSCAPING - \$0

5. DETOURS (incl Temp. bridges) - \$0

**SUBTOTAL =====** \$163,000

**G. MISCELLANEOUS:**

1. LIGHTING - \$0

2. SIGNING & STRIPING - \$ 10,000/mi X 1.0 mi - \$4,870

3. GUARDRAIL - \$15,000

**SUBTOTAL =====** \$19,870

**ESTIMATE SUMMARY**

<b>A. RIGHTS-OF-WAY -----</b>	<b>\$8,250</b>
<b>B. REIMBURSABLE UTILITIES -----</b>	<b>\$0</b>

LGPA

**CONSTRUCTION COST SUMMARY**

<b>C. MAJOR STRUCTURES -----</b>	<b>\$237,470</b>
<b>D. GRADING AND DRAINAGE -----</b>	<b>\$200,000</b>
<b>E. BASE AND PAVING -----</b>	<b>\$72,040</b>
<b>F. LUMP SUM ITEMS -----</b>	<b>\$163,000</b>
<b>G. MISCELLANEOUS -----</b>	<b>\$19,870</b>
<b>SUBTOTAL CONSTRUCTION COST -----</b>	<b>\$692,380</b>
<b>E &amp; C (10%) -----</b>	<b>\$69,238</b>
<b>INFLATION ( 3 YRS @ 5% /YR) -----</b>	<b>\$103,857</b>
<b>TOTAL CONSTRUCTION COST =====</b>	<b>\$865,475</b>
<b>GRAND TOTAL PROJECT COST =====</b>	<b>\$873,725</b>

pg 3 of 3

Cost Estimate Prepared by: Cassius O. Edwards, District Design Engineer I



# Bridge Inventory Data Listing

Georgia Department of Transportation

Structure ID: 043-5011-0

Candler

SUFF. RATING: 27.10

## Location & Geography

\* Structure ID: 043-5011-0  
 \* 200 Bridge Information: 06  
 \* 6A Feature Int: WOLFE CREEK  
 \* 6B Critical Bridge: 0  
 \* 7A Route Number Carried: CR00196  
 \* 7B Facility Carried: CR 196  
 \* 9 Location: 6 M I S OF METTER  
 \* 2 DOT District: 5  
 \* 207 Year Photo: 2000  
 \* 91 Inspection Frequency: 24 Date: 12/03/2002  
 \* 92A Fract Crit Insp Freq: 00 Date: 02/01/1901  
 \* 92B Underwater Insp Freq: 00 Date: 02/01/1901  
 \* 92C Other Spc. Insp Freq: 00 Date: 02/01/1901  
 \* 4 Place Code: 00000  
 \* 5 Inventory Route (O/U): 1  
 \* Type: 4  
 \* Designation: 1  
 \* Number: 00196  
 \* Direction: 0  
 \* 16 Latitude: 32 - 18.6 HMMS Prefix:  
 \* 17 Longitude: 82 - 04.3 HMMS Suffix: MP: 0.00  
 \* 98 Border Bridge: 000 % Shared: 00  
 \* 99 ID Number: 0000000000000000  
 \* 100 STRAHNET: 0  
 \* 12 Base Highway Network: 1  
 \* 13ALRS Inventory Route: 432019600  
 \* 13BSub Inventory Route: 0  
 \* 101 Parallel Structure: N  
 \* 102 Direction of Traffic: 2  
 \* 264 Road Inventory Mile Post: 003.21  
 \* 208 Inspection Area: 10 Initials: DLC  
 \* Engineer's Initial: sgm  
 \* Location I.D. No.: 043-00196X-003.21E

## Signs & Attachments

\* 104 Highway System: 0  
 \* 26 Functional Classification: 09  
 \* 204 Federal Route Type: 0 No. 00000  
 \* 105 Federal Lands Highway: 0  
 \* 110 Truck Route: 0  
 \* 206 School Bus Route: 1  
 \* 217 Benchmark Elevation: 0000.00  
 \* 218 Datum: 0  
 \* 19 Bypass Length: 04  
 \* 20 Toll: 3  
 \* 21 Maintenance: 02  
 \* 22 Owner: 02  
 \* 31 Design Load: 1  
 \* 37 Historical Significance: 5  
 \* 205 Congressional District: 01  
 \* 27 Year Constructed: 1955  
 \* 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: 1  
 \* 42 Type of Service on: 1  
 \* Type of Service under: 5  
 \* 214 Movable Bridge: 0  
 \* 203 Type Bridge: C K M O  
 \* 259 Pile Encasement: 3  
 \* 43 Structure Type Main: 3 02  
 \* 45 No. Spans Main: 010  
 \* 44 Structure Type Appr: 0 00  
 \* 46 No. Spans Appr: 0000  
 \* 226 Bridge Curve Horz: 0 Vert: 0  
 \* 111 Pier Protection: 0  
 \* 107 Deck Structure Type: 1 1  
 \* 108 Wearing Surface Type: 1 1  
 \* Membrane Type: 8 8  
 \* Deck Protection: 8 8

225 Expansion Joint Type: 02  
 242 Deck Drains: 0  
 243 Parapet Location: 0  
 Height: 0.00  
 Width: 0.00  
 238 Curb Height: 1.20  
 Curb Material: 1  
 239 Handrail: 0 0  
 \* 240 Median Barrier Rail: 0  
 241 Bridge Median Height: 0.00  
 Bridge Median Width: 0.00  
 \* 230 Guardrail Loc. Dir. Rear: 6  
 Fwd: 6  
 Oppo. Dir. Rear: 0  
 Oppo. Fwd: 0  
 244 Approach Slab: 0  
 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: 043-5011-0

Candler

SUFF. RATING: 27.10

## Programming Data

201 Project No.: UNKNOWN  
 202 Plans Available: 0  
 249 Prop. Proj. No. BR-0002-00 (734)  
 250 Approval Status: 0 0 0 0  
 251 P.I. No.: 0002734  
 252 Contract Date: 02/01/2005  
 260 Seismic No.: 00000  
 75 Type Work: 31  
 94 Bridge Imp. Cost: \$ 166  
 95 Roadway Imp. Cost: \$ 60  
 96 Total Imp Cost: \$ 275  
 76 Imp. Length: 000371  
 97 Imp. Year: 1990  
 114 Future ADT: 001110 Year: 2021

## Measurements

\* 29 ADT: 000740 Year: 2001  
 109 % Trucks: 3  
 \* 28 Lanes On: 02 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0016  
 \* 49 Structure Length: 160  
 51 Br. Rwdy. Width: 24.20  
 52 Deck Width: 25.40  
 \* 47 Tot. Horiz. Cl: 24.20  
 50 Curb / Sidewalk Width: 0.50 / 0.50  
 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  
 36 Intersection Rear: 0 Fwd: 0  
 Safety Features Br. Rail: 3  
 Transition: 3  
 App. G. Rail: 3  
 App. Rail End: 3  
 53 Minimum Cl. Over: 99 ' 99 " Dir: 0  
 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. Lt: 0.00  
 \* 10 Max Min Vert Cl: 99 ' 99 " Dir: 0  
 39 Nav Vert Cl: 000 Horiz: 0000  
 116 Nav Vert Cl Closed: 000  
 245 Deck Thickness Main: 6.00  
 Deck Thick. Approach: 0.00  
 246 Overlay Thickness: 0.00  
 212 Year Last Painted: Sup: 1955 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: 111  
 HS-Modified: 190  
 Type 3: 131  
 Type 3s2: 211  
 Timber: 171  
 Piggyback: 000  
 261 H Inventory Rating: 10  
 262 H Operating Rating: 18  
 67 Structural Evaluation: 2  
 58 Deck Condition: 7  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0  
 60A Substructure Condition: 2  
 60B Scour Condition: 5  
 60C Underwater Condition: N  
 71 Waterway Adequacy: 5  
 61 Channel Protection Cond.: 6  
 68 Deck Geometry: 4  
 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: T  
 232 Posted Loads  
 H-Modified: 11  
 HS-Modified: 00  
 Type 3: 13  
 Type 3s2: 21  
 Timber: 17  
 Piggyback: 00  
 253 Notification Date: 02/01/1901  
 258 Fed Notify Date: 02/01/1901

## 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: 06.5 Br. Height: 05.5  
 222 Slope Protection: 0  
 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: 0 Diver: ZZZ  
 Location I.D. No.: 043-00196X-003.21E

## MINUTES OF THE CONCEPT MEETING

Project No: BR-0002-00(734), Candler County

P.I. NUMBER: 0002734

DATE: January 15, 2004

The meeting began at 10.00 A.M. at the Statesboro 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:**

Dennis Odom, District Design Engineer, Jesup  
Cassius Edwards, Design Engineer 1, Jesup  
Aghdas Ghazi, Assistant Area Engineer Construction, Statesboro  
Sheree Smart, District Environmentalist, Jesup  
Mark Yarbrough, District Materials Engineer, Jesup  
Claude Jackson, Area Engineer, Statesboro  
Ron Robinson, Senior Engineer, GPC Transmission  
Edmund Tobin, Engineer Assistant, Pineland Telephone  
Mike Purvis, Engineer, Pineland Telephone  
Stevie Williams, Engineer, Excelsior EMC  
Howell Clements, Utilities, Jesup

There were no comments on the Need & Purpose or description of the project.

Sheree Smart, District Environmentalist, commented that the environmental impact will likely be minimal and be approved with a CE. A 404 permit will also be needed.

Right of way will be acquired mostly from the east side of the project where the roadway will be realigned. Representatives from the utility companies stated that utilities are located on the west side of the project and should not be a conflict.

During construction, traffic will be detoured to CR203 and CR224 which is south of the project.

---



RECEIVED

AUG 06 2001

# Department of Transportation

OFFICE OF PROGRAMMING

J. TOM COLEMAN, JR.  
COMMISSIONER  
(404) 656-5205

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

BILLY F. SHARP  
TREASURER  
(404) 656-5224

July 12, 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(734) Candler Co., PL # 0002734: **BRIDGES CR 196 @ WOLFE CREEK 6 MI SOUTH OF METTER**

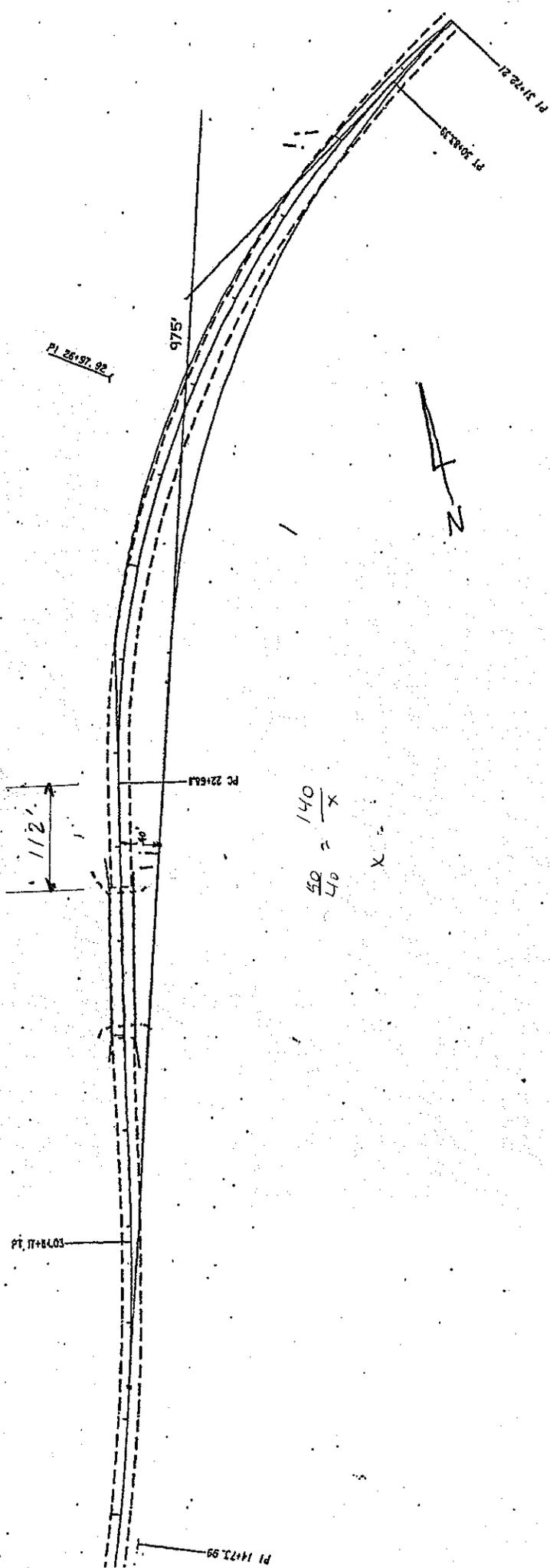
- Provide all rights-of-way and/or easements needed for the construction of the project and remove existing structures or obstructions within the rights-of-way.
- Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. 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.

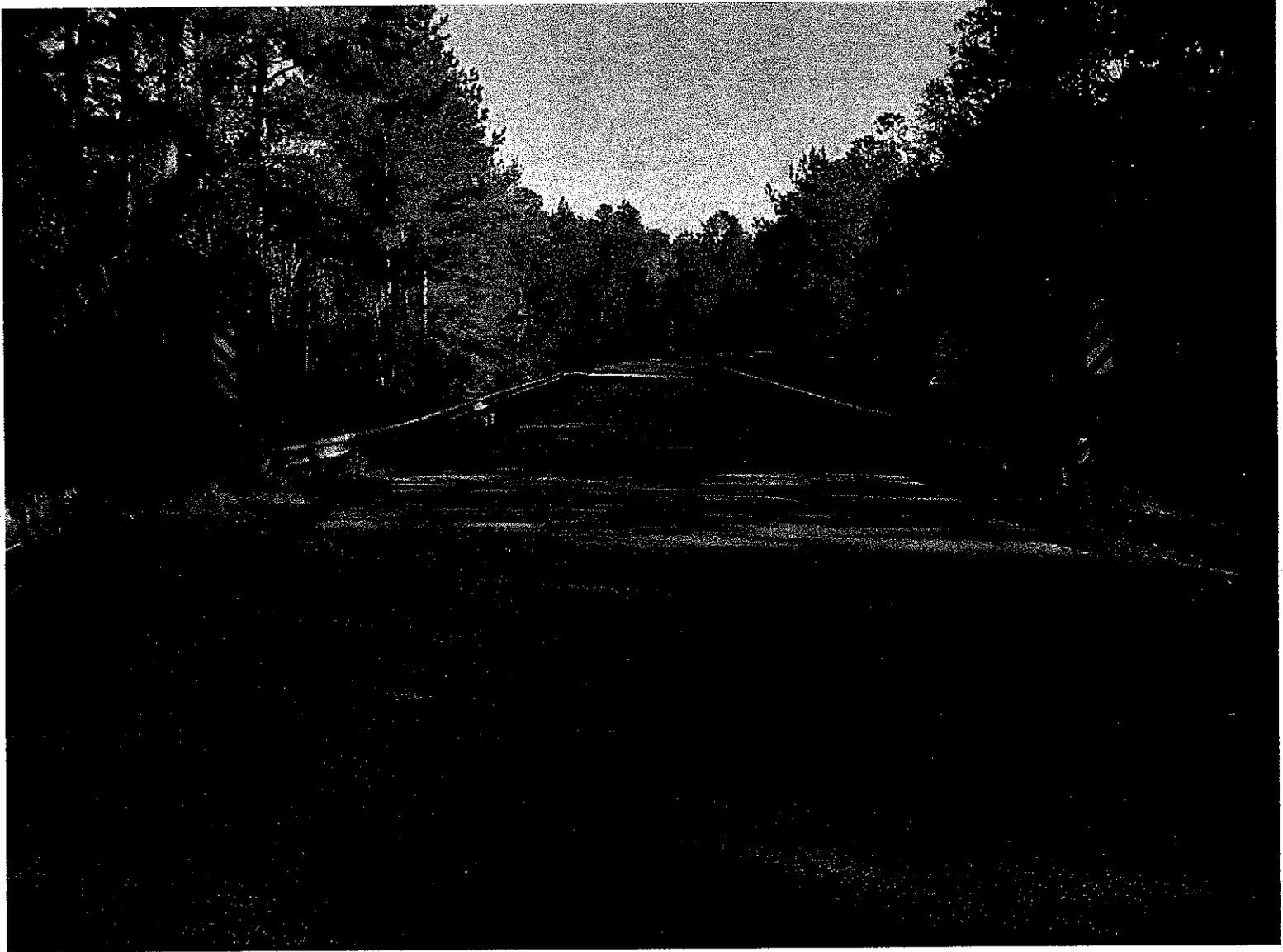
This 16th day of July, 20 01

APPROVED

W. Lamar Samples

City/County Official





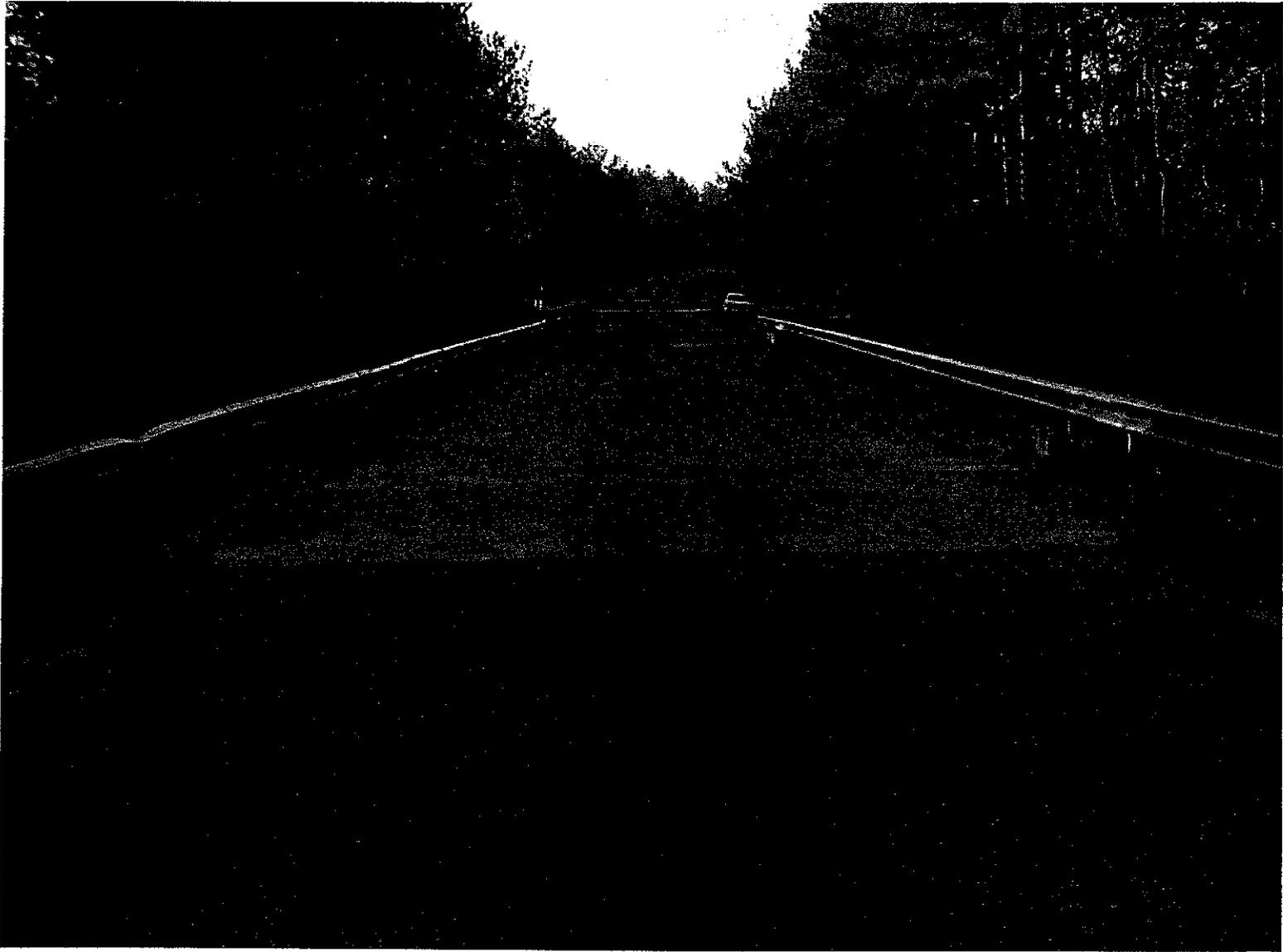
# 001



#002



# 003



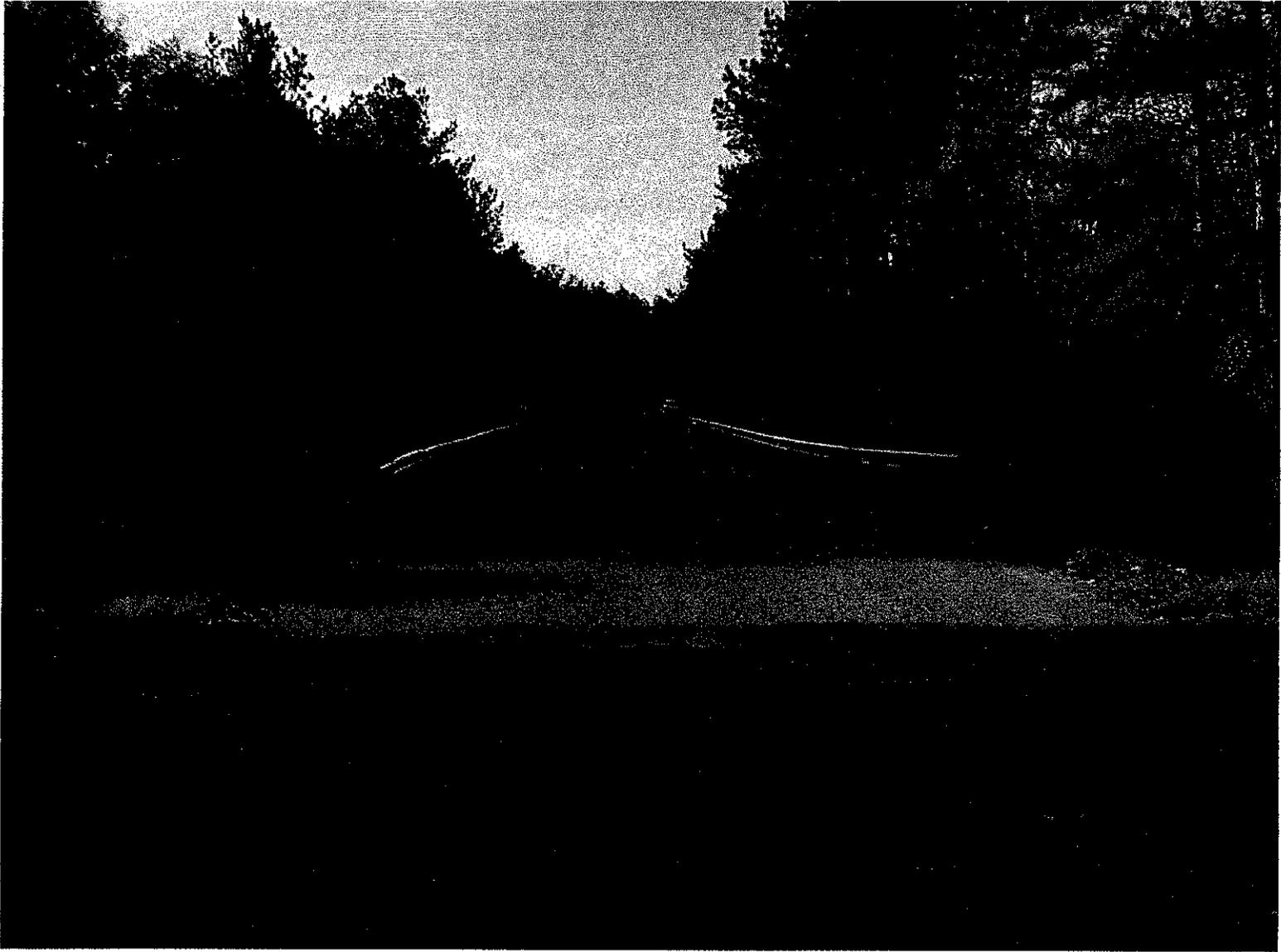
#004



# 005



# 006



# 007



# 008



# 009



# 010

# NOTICE OF LOCATION AND DESIGN APPROVAL

*Project No. BR-002-00 (0734)*

*P. I. NUMBER 0002734*

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: May 12, 2004

Date of Environmental Approval: \_\_\_\_\_

The project consist of improvements of CR 196 over Wolfe Creek, located in Candler County, 6 miles South of Metter. The project is for the replacement of a bridge with substandard load capacity, and deck geometry. The bridge has a high priority for replacement with a sufficiency rating of 27.6.

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.

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office: Jesup*

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

State Route Number: N/A

County Road: CR.196

Recommendation for approval:

DATE 1-29-04

DATE 1-29-04

*Anthony D. Olson*  
Project Manager  
*Gary E. 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 \_\_\_\_\_

DATE 2/5/04

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

*[Signature]*  
State Transportation Planning Administrator  
*[Signature]*  
Office of Financial Management Administrator  
\_\_\_\_\_  
State Environmental/Location Engineer  
\_\_\_\_\_  
State Traffic Safety and Design Engineer  
\_\_\_\_\_  
Project Review Engineer

Other Offices as required such as; Bridge Design, etc.

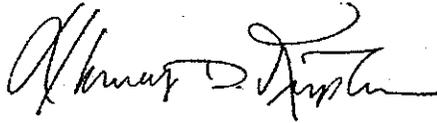
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 0002734

**OFFICE:** Environment/Location

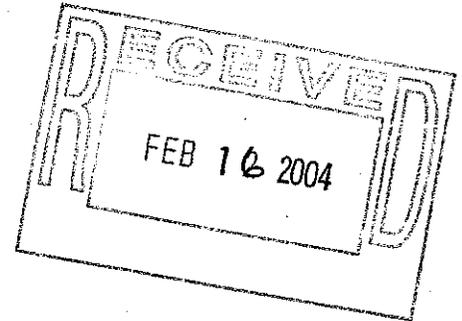


**DATE:** February 12, 2004

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

**TO:** Meg Pirkle, Assistant Director of Preconstruction

**SUBJECT:** **PROJECT CONCEPT REPORT**  
BR-0002-00(734) / Candler County  
CR196 @ Wolfe Creek



The above subject concept report has been reviewed. Detour meeting will be required due to off-site detour.

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

HDK/lc

Attachment

cc: David Mulling  
Gary Priester

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office: Jesup*

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

State Route Number: N/A

County Road: CR 196

Recommendation for approval:

DATE 1-29-04

*Anthony D. Olson*  
Project Manager

DATE 1-29-04

*Gary E. 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 \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE 2.10.04

*Anthony D. Olson*  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BR-0002-00(734), Candler County  
P.I. No. 0002734

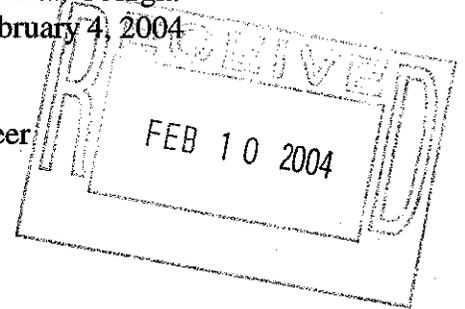
Office: Traffic Safety & Design  
Atlanta, Georgia

Date: February 4, 2004

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

To: Meg Pirkle, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the proposed bridge replacement on C.R. 196 over Wolfe Creek in Candler County.

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

PMA/sz

Attachment (signature page)

Cc: Harvey Keeper, State Environment/Location Engineer  
Gary Priester, District Engineer - Jesup  
Attention: Dennis Odom, District Design Engineer  
David Mulling, State Review Engineer, w/ attachment  
Joe Palladi, State Transportation Planning Administrator  
Paul Liles, State Bridge & Structural Design Engineer  
Kathy Bailey, TMC  
General Files  
Office Files

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

*Office: Jesup*

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

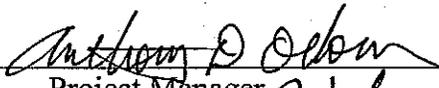
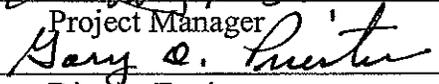
State Route Number: N/A

County Road: CR 196

Recommendation for approval:

DATE 1-29-04

DATE 1-29-04

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
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 \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_

DATE 2-5-05

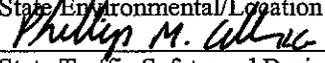
DATE \_\_\_\_\_

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

\_\_\_\_\_  
Office of Financial Management Administrator

\_\_\_\_\_  
State Environmental/Location Engineer

  
\_\_\_\_\_  
State Traffic Safety and Design Engineer

\_\_\_\_\_  
Project Review Engineer

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

Office: Jesup

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

State Route Number: N/A

County Road: CR 196

Recommendation for approval:

DATE 1-29-04

DATE 1-29-04

Anthony D. Olson  
Project Manager  
Gary E. 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 \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE 2/6/04

David J. Mullins, PE  
Project Review Engineer

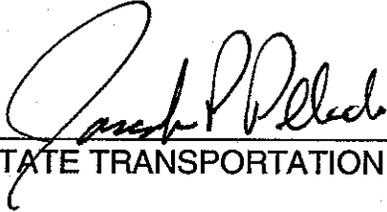
DATE \_\_\_\_\_

\_\_\_\_\_  
Other Offices as required such as; Bridge Design, etc.

PROJECT NUMBER/COUNTY: BR-0002-00 (734) Candler County

P.I. NUMBER: 0002734

This project is not shown in the STIP because the phase(s) PE, ROW and CST are outside the three (3) year range of the STIP. This project will be added to the STIP when appropriate.



---

STATE TRANSPORTATION PLANNING ADMINISTRATOR

DATE: February 24, 2004

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

Office: Jesup

Project Number: BR-0002-00 (734)

County: Candler

P. I. Number: 0002734

Federal Route Number: N/A

State Route Number: N/A

County Road: CR 196

Recommendation for approval:

DATE 1-29-04

Anthony D. Olson  
Project Manager

DATE 1-29-04

Gary E. 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 \_\_\_\_\_

\_\_\_\_\_  
Office of Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE 2/20/04

Paul V. Sullivan Jr. - Bridge Design  
Other Offices as required such as; Bridge Design, etc.