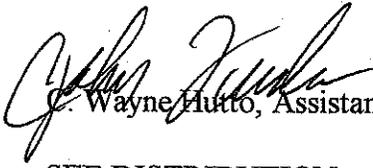


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0001-00(357) Carroll-Coweta Counties **OFFICE** Preconstruction  
P. I. No. 0001357  
**DATE** April 23, 2002

**FROM**  C. Wayne Hutto, Assistant Director of Preconstruction

**TO** SEE DISTRIBUTION

**SUBJECT** PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

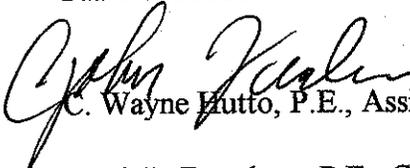
**DISTRIBUTION:**

David Mulling  
Harvey Keeper  
Jerry Hobbs  
Herman Griffin  
Michael Henry  
Phillip Allen  
Marta Rosen  
Paul Liles  
Ben Buchan  
Kent Sager  
BOARD MEMBER\

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0001-00(357) Carroll-Coweta Counties **OFFICE** Preconstruction  
P.I. No. 0001357 **DATE** April 8, 2002

**FROM**  C. Wayne Hutto, P.E., Assistant Director of Preconstruction

**TO** Frank L. Danchetz, P.E., Chief Engineer

**SUBJECT PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on SR 16/US 27 Alt over Chattahoochee River, at the Carroll-Coweta county line. The existing bridge, constructed in 1947, is load limited with a sufficiency rating of 40. State Route 16 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. This section of SR 16 is functionally classified as a rural principal arterial. Traffic is projected to be 11,500 VPD and 16,000 VPD in the years 2008 and 2028 respectively, with 10% trucks. The posted speed and the design speed are 55 MPH.

The construction proposes to relocate SR 16/US 27 Alt west of its present location, extending a total of 1.20 miles. The proposed new bridge will be 810' x 44' and will be located just west of the existing bridge structure. The relocated SR 16/US 27 Alt will consist of two, 12' lanes with 10' rural shoulders (2' paved). Traffic will be maintained on the existing bridge while the proposed bridge is constructed.

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)	\$3,195,000	\$1,661,000	2006	FY-06
Right-of-Way & Utilities*	LGPA	LGPA		

\*Carroll County signed LGPA for utilities 11-27-00; LGPA sent 11-17-00 requesting Coweta County do utilities.

Frank L. Danchetz

Page 2

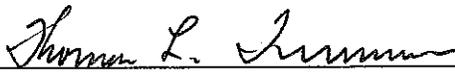
BR-0001-00(357) Carroll-Coweta

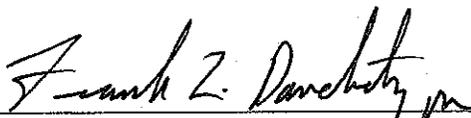
April 8, 2002

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   
Frank L. Danchetz, P.E., Chief Engineer

# DEPARTMENT OF TRANSPORTATION

## STATE OF GEORGIA

---

### INTERDEPARTMENT CORRESPONDENCE

**FILE:** BR-0001-00(357) Carroll/Coweta Counties  
P.I. No. 001357  
S.R. 16(U.S. 27 Alt.) @ Chattahoochee River

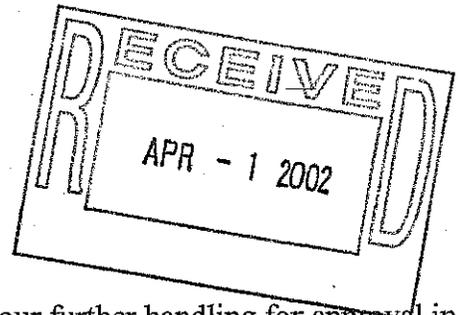
**OFFICE:** Cartersville

**DATE:** March 28, 2002

**FROM:** Kent L. Sager, District Engineer

**TO:** C. Wayne Hutto, Asst. 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).

KLS:dpm

**Cc:** Marta Rosen, State Transportation Planning Administrator  
Herman Griffin, State Transportation Programming Engineer  
Harvey Keepler, State Environment/Location Engineer  
Phillip Allen, State Traffic Safety and Design Engineer  
Paul Liles, State Bridge Design Engineer  
David Mulling, Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SIX**

**PROJECT CONCEPT REPORT**

Project Number: BR-0001-00 (357)  
County: Carroll / Coweta  
P. I. Number: 00001357

Federal Route Number: U.S. 27 Alt.  
State Route Number: S. R. 16

Bridge Replacement on State Route 16 (U. S. 27 Alt.)  
Over the Chattahoochee River

Recommendation for approval:

DATE 3-28-2002

Curtis D. Connor

Project Manager

DATE 3/28/2002

Mark L. Sear

District Engineer

The 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 \_\_\_\_\_

\_\_\_\_\_  
State Transportation Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
Bridge Design Engineer

DATE \_\_\_\_\_

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



Project Concept Report page 3  
Project Number: BR-0001-00 (357)  
P. I. Number: 00001357  
County: Carroll / Coweta

**Need and Purpose:** The bridge over the Chattahoochee River is structurally and geometrically deficient. The Bridge Inspection Report indicates surface deterioration with traverse cracking throughout. Also span 6 has shifted back, jamming the joint over bent 6 and the span 9 deck has shifted forward, jamming the joint over bent 10. The sufficiency rating is below 50 at 40.5, which requires the bridge to be replaced. There have been ten accidents in the area from 1996 to 1998. 24-hr. truck traffic is high at 10% due to S.R. 16 being the main route from Newnan to Carrollton. This project will increase safety and operating efficiency by providing 10 ft shoulders on the bridge and 8 ft shoulders on the roadway.

**Description of the proposed project:** This project is for the replacement of the bridge on State Route 16 (U.S. 27 Alt.) over the Chattahoochee River at the Coweta/Carroll County line. The project will begin approximately at M.P. 26.75 in Carroll County and continue to the Carroll (M.P. 27.41) / Coweta (M.P. 0.00) County Line. The project will continue from the Carroll / Coweta County Line and end approximately at M.P. 0.53 in Coweta County.

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

**PDP Classification:**

Full Oversight ( ), Exempt(X), State Funded( ), or Other ( )

**Functional Classification:** Rural Principal Arterial \_\_\_\_\_

**U. S. Route Number(s):** 27 (Alt.)

**State Route Number(s):** 16

**Traffic (AADT):**

Current Year: (2008) 11500 Design Year: (2028) 16000

**Existing design features:**

- Typical Section: Two – 12 ft lanes with 4 ft shoulders
- Posted speed 55 mph Maximum degree of curvature: 1° 30'
- Maximum grade: 4.21%
- Width of right of way: 150 ft.
- Major structures: 810' X 25.80' Bridge – Sufficiency Rating = 40.5
- Major interchanges or intersections along the project: None
- Existing length of roadway segment and the beginning mile logs for each county segment.

Project Concept Report page 4  
 Project Number: BR-0001-00 (357)  
 P. I. Number: 00001357  
 County: Carroll / Coweta

**Proposed Design Features:**

- Proposed typical section: Two- 12 ft lanes with 8 ft shoulders.
- Proposed Design Speed Mainline 55 mph
- Proposed Maximum grade Mainline 4.2 %                      Maximum grade allowable 5.2 %.
- Proposed Maximum grade Side Street 11 %    Maximum grade allowable 11 %.
- Proposed Maximum grade driveway 16 %
- Proposed Maximum degree of curve 1° 30'                      Maximum degree allowable 6°.
- Right of way
  - Width 150'
  - Easements: Temporary (X), Permanent ( ), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit (X), Other ( ).
  - Number of parcels: 3                      Number of displacements:
    - Business: None
    - Residences: None
    - Mobile homes: None
    - Other: None
- Structures:
  - Bridges 810' X 44' Bridge
  - Retaining walls - None
- Major intersections and interchanges. None
- Traffic control during construction: Bridge to be constructed to West Side to allow new bridge to be completed before removing old bridge.
- Design Exceptions to controlling criteria 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
- Environmental concerns: Section 404, there are two possible historic resources at the end of the project on the west side.

Project Concept Report page 5  
Project Number: BR-0001-00 (357)  
P. I. Number: 00001357  
County: Carroll / Coweta

- Level of environmental analysis:
  - Are timesaving Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion : Anticipated (X),
- Utility involvement: Power

**Project responsibilities:**

- Design, GDOT
- Right of Way Acquisition, GDOT
- Relocation of Utilities, GDOT
- Letting to contract, GDOT
- Supervision of construction, GDOT
- Providing material pits, Contractor
- Providing detours, N/R

**Coordination**

- Initial Concept Meeting date and brief summary. Attach minutes.
- Concept meeting date and brief summary. Attach minutes.
- FEMA, USCG
- Public involvement. Local Government Comments
- Other projects in the area - None

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 12 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 12 Months.
- Time to complete the Section 404 Permit: 12 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 6 Months.

Project Concept Report page 6  
Project Number: BR-0001-00 (357)  
P. I. Number: 00001357  
County: Carroll / Coweta

**Other alternates considered: No Build**

**Attachments:**

1. Cost Estimates:
  - a. Construction including E&C,
  - b. Right of Way, and
  - c. Utilities.
2. Sketch location map,
3. Typical sections,
4. Accident summaries,
5. Bridge inventory,
6. Minutes of Initial Concept and Concept meetings,
7. LGPA's
8. Location and Design Notice

# DEPARTMENT OF TRANSPORTATION

## STATE OF GEORGIA

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### Concept Team Meeting

**FILE:** BR-0001-00 (357) Carroll/Coweta County  
P.I. No. 0001357  
Bridge Replacement on S.R. 16 over the  
Chattahoochee River

**OFFICE:** Cartersville, Georgia

**DATE:** March 26, 2002

#### Meeting Roster:

William Darby	District 6 Design
David Moore	District 6 Design
Paula Moppins	District 6 Design
DeWayne Comer	District 6 Preconstruction
Harlan Conley	District 6 Location
Ray Dewberry	Bremen Survey
Steve Sanders	District 6 Traffic Operations
Kerry Bonner	District 6 Utilities
Royce Turner	District 6 Utilities
Jennifer Deems	District 6 Utilities
Sebastian Nesbitt	Area 5 Construction
Bill Cawthorne	Coweta County
Wayne Kennedy	Coweta County
Joe Shaw	Carroll County
Robert Barr	Carroll County

Comments: A concept team meeting was held at the project site on March 26, 2002. The project was discussed with the following comments.

This project is for the replacement of the bridge on State Route 16 (U.S. 27 Alt.) over the Chattahoochee River at the Carroll/Coweta county line.

Carroll County: Concern was expressed about whether or not the new bridge would be constructed to accommodate a future four-lane project if necessary. Also, Carroll County expressed concern over the utility cost and their ability to cover this cost.

Coweta County: Coweta County will only be required to cover the cost of utility relocations in their County. The County may be sharing some maintenance cost for the recreation area owned by Georgia Power.

Construction: Construct Bridge without stage construction if possible. This to be accomplished by shifting over enough to allow the bridge to be completely constructed before the old bridge is removed.

Utilities: The existing only utility on this project is power.

Traffic Operations: No Comments

Location: No Comments

Traffic: Two lanes of traffic will be maintained during construction.

Environmental: There is a Recreation Area located on the Coweta County side on the left. This is believed to be owned by Georgia Power.

Bridge Site: Coordination will be required with the USGS to remove and relocate a Gauging Station attached to the bridge.

*DeWanna*  
11/22 Hunt



# Department of Transportation

State of Georgia  
#2 Capitol Square, S.W.  
Atlanta, Georgia 30334-1002  
November 17, 2000

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

**Honorable Vernon Hunter**  
**Commission Chairman, COWETA County**  
**22 East Broad Street**  
**Newnan, Ga 30263**

**Dear Commission Chairman Hunter:**

**SUBJECT: LOCAL GOVERNMENT PROJECT AGREEMENT**

**Project No. BR-0001-00(357) CARROLL CO. PI# 0001357**  
**REPLACE BRIDGE SR 16/US 27 ALT @ CHATTAHOOCHEE RIVER AT COWETA CO LINE**

*The Office of Programming has added the subject project to the Department's Construction Work Program. COWETA County is requested to indicate support of this project by executing the attached Local Government Agreement and returning it to this office.*

*Any project not contained in the Transportation Improvement Plan (TIP) for your area and/or the Statewide Plan (STIP) will be submitted for addition. This action is required by Federal law in the Transportation Equity Act for the 21st Century (TEA-21). TEA-21 also requires that the cost of the projects in the TIP/STIP be balanced with available Federal funds.*

*If you choose not to commit to this project it may be delayed until additional funding can be found. If you commit but later are unable to keep this commitment or if you do not respond, this project will be delayed until it can be rescheduled in the TIP/STIP. The longer you wait to commit, the longer the project will be delayed. TEA-21 requires long range planning.*

*If you have any questions, feel free to call me at (404) 656-5320 or Kent Sager, District Engineer in Cartersville at your convenience.*

Sincerely yours,

Herman T. Griffin P. E.  
State Transportation Programming Engineer

HTG/cs  
Attachment  
cc: Kent Sager  
Cartersville District





# Department of Transportation

State of Georgia

#2 Capitol Square, S.W.

Atlanta, Georgia 30334-1002

November 17, 2000

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TREASURER  
(404) 656-5224

## LOCAL GOVERNMENT PROJECT AGREEMENT

*In consideration of the proposed improvements, COWETA County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0001-00(357) CARROLL CO., PI# 0001357:*

### BRIDGES

#### SR 16/US 27 ALT @ CHATTAHOOCHEE RIVER AT COWETA CO LINE

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

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

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

Furnish detours, local borrow & waste pits as needed.

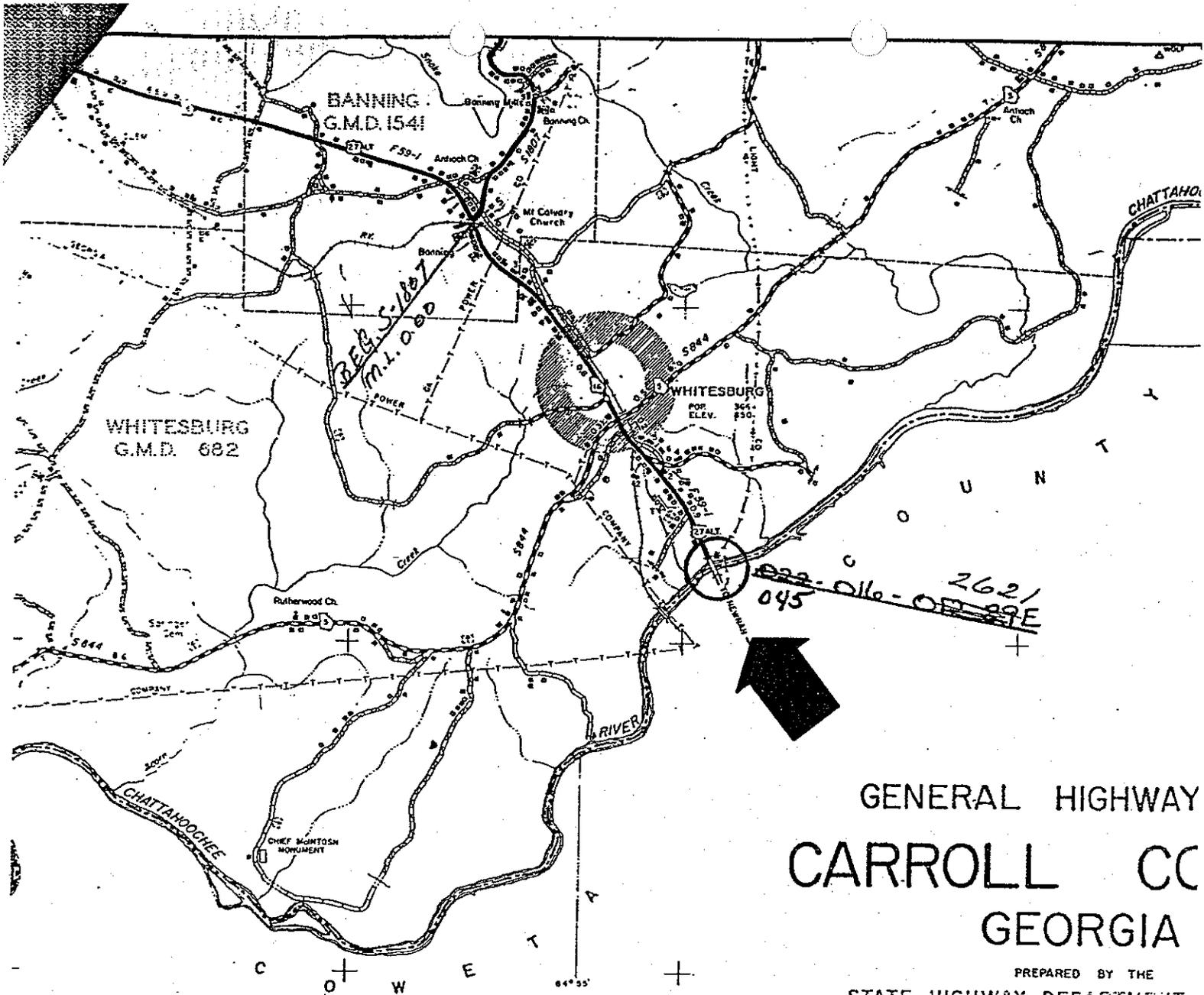
We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

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

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

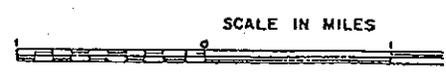
APPROVED \_\_\_\_\_

City/County Official



# GENERAL HIGHWAY CARROLL CO GEORGIA

PREPARED BY THE  
STATE HIGHWAY DEPARTMENT  
DIVISION OF HIGHWAY PLAN  
IN COOPERATION WITH  
U.S. DEPARTMENT OF TRANSPOR  
FEDERAL HIGHWAY ADMINISTF



1967



NOTE  
THE MAINTAINED STREET PATTERNS OF  
MT. ZION & ROOVSVILLE  
ARE SHOWN ENTIRELY ON THIS MAP

CARROLL 0001357  
BR-0001-00 (357) 0.35 MI.  
REPLACEMENT BRIDGES  
SR 16/US 27 ALT @ CHATTAHOOCHEE  
RIVER AT COWETA CO LINE

*Dwayne  
for files  
11/28/00*



# Department of Transportation

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

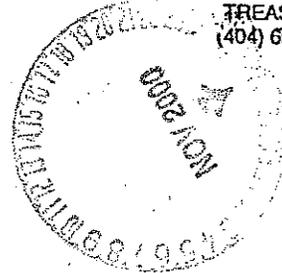
FRANK L. DANCHETZ  
CHIEF ENGINEER  
(404) 656-5277

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

November 17, 2000

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

BILLY F. SHARP  
TREASURER  
(404) 656-5224



**Honorable Jack T. Bell**  
Commission Chairman, CARROLL County  
P.O. Box 338  
Carrollton, GA 30117

Dear Commission Chairman Bell:

**SUBJECT: LOCAL GOVERNMENT PROJECT AGREEMENT**

Project No. BR-0001-00(357) CARROLL CO. PI # 0001357

REPLACE BRIDGE SR 16/US 27 ALT @ CHATTAHOOCHEE RIVER AT COWETA CO LINE

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If you have any questions, feel free to call me at (404) 656-5320 or Kent Sager, District Engineer in Cartersville at your convenience.

Sincerely yours,

Herman T. Griffin P. E.  
State Transportation Programming Engineer

HTG/cs

Attachment

cc: Kent Sager  
Cartersville District

NOV 20



# 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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November 17, 2000

## LOCAL GOVERNMENT PROJECT AGREEMENT

*In consideration of the proposed improvements, CARROLL County agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BR-0001-00(357) CARROLL CO., PI # 0001357:*

### BRIDGES

#### SR 16/US 27 ALT @ CHATTAHOOCHEE RIVER AT COWETA CO LINE

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

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

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

Furnish detours, local borrow & waste pits as needed.

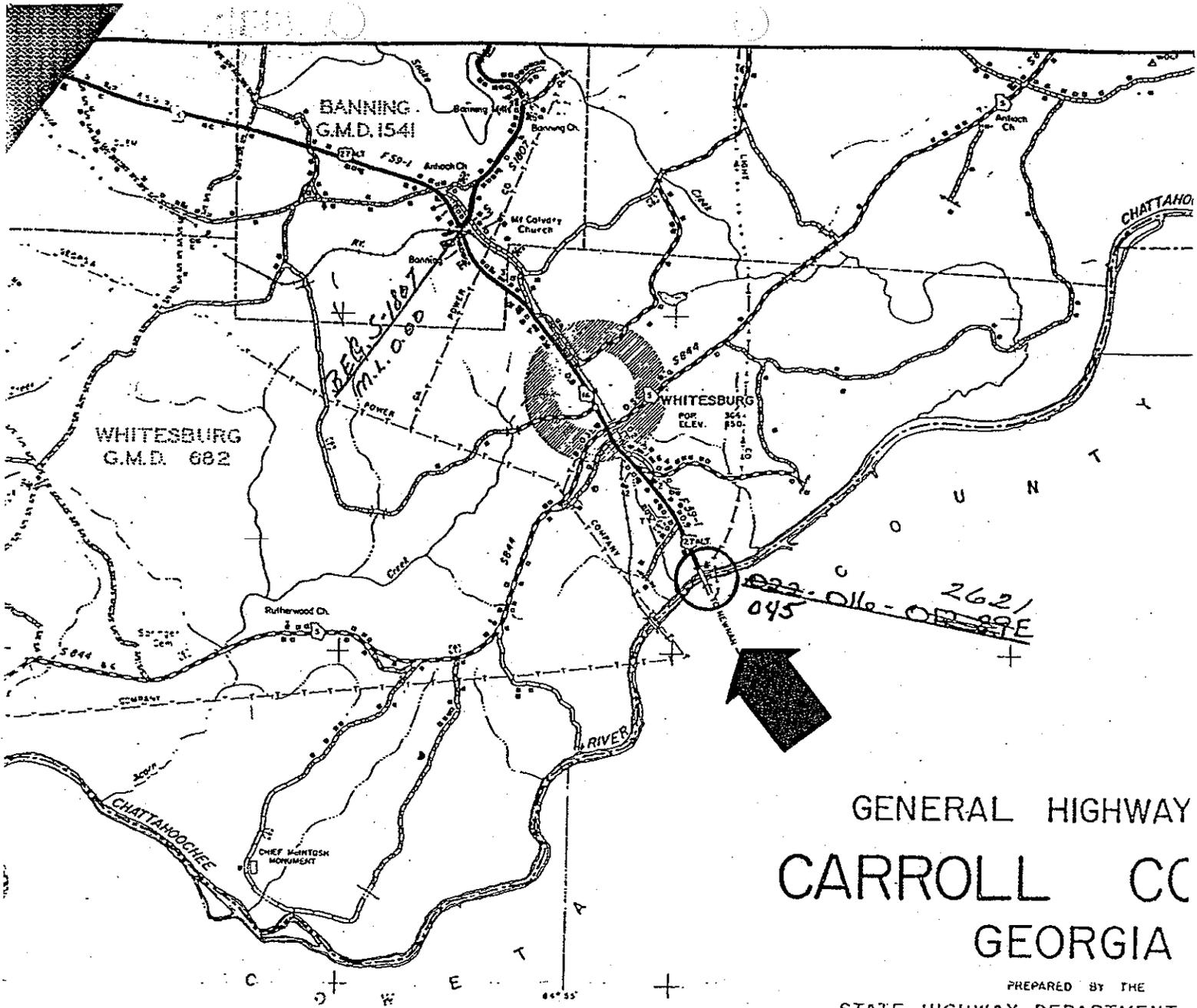
We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

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

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_

APPROVED \_\_\_\_\_

City/County Official



# GENERAL HIGHWAY CARROLL CO GEORGIA

PREPARED BY THE  
STATE HIGHWAY DEPARTMENT  
DIVISION OF HIGHWAY PLAN  
IN COOPERATION WITH  
U.S. DEPARTMENT OF TRANSP  
FEDERAL HIGHWAY ADMINISTF



1967



NOTE  
THE MAINTAINED STREET PATTERNS OF  
MT. ZION & ROOPVILLE  
ARE SHOWN ENTIRELY ON THIS MAP

CARROLL  
BR-0001-00 (357)  
REPLACEMENT BRIDGES  
SR 16/US 27 ALT @ CHATTAHOOCHEE  
RIVER AT COWETA CO LINE

0001357  
0.35 MI.

**NOTICE OF LOCATON AND DESIGN APPROVAL**

**BR-0001-00 (357) CARROLL / COWETA  
P. I. Number 0001357**

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.

This project consists of the replacement of the bridge on State Route 16 (U.S. 27 Alt.) over the Chattahoochee River Beginning in Carroll County and ending in Coweta County. The project is in GMD 1297 and in Land Lot 212 in Carroll County and GMD 992 and in Land Lot 48 in Coweta County

Date of Location and Design approval: *APRIL 23, 2002*

This project will be the replacement of the bridge over the Chattahoochee River on State Route 16 (U.S. 27 Alt.) in Carroll and Coweta Counties.

Drawings or maps of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation, 500 Joe Frank Harris Parkway, Cartersville, Georgia, 30120. Or, any interested party may obtain a copy of the drawings, maps of plats by writing to the Georgia Department of Transportation, No. 2 Capitol Square, Atlanta, Georgia, 30334, and paying a nominal fee.

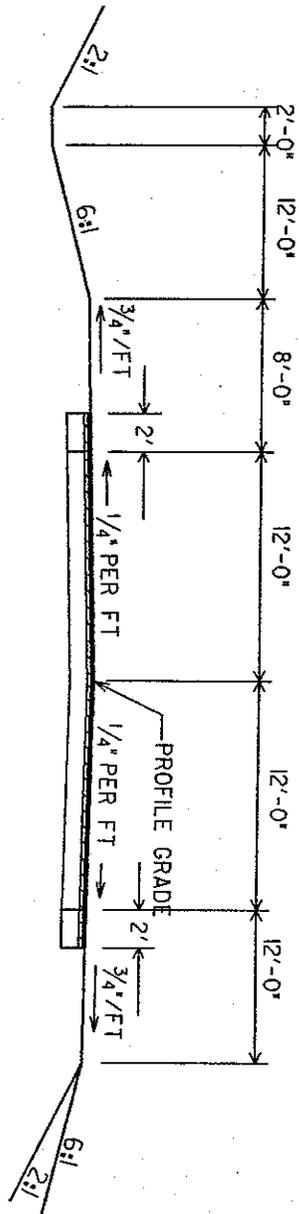
Drawings or maps or plats of the proposed project, as approved, are on file and available for public inspection at the Georgia Department of Transportation.

David Fincher  
Area Engineer  
E-mail Address – fincher.david @dot.state.ga .us  
4323 U.S. Hwy 27  
Buchanan, Georgia 30113  
(770) 646-5522

Any interested party may obtain a copy of the drawings or maps or plats or portions thereof by paying a nominal fee. This request SHOULD include the PROJECT AND P.I. NUMBER AS NOTED AT THE TOP OF THIS NOTICE, and may be referred to:

Curtis DeWayne Comer  
Preconstruction Office  
E-mail Address-comer.dewayne@dot.state.ga.us  
500 Joe Frank Harris Parkway  
Cartersville, Georgia 30120  
(770) 387-3619

# TYPICAL SECTION



NOT TO SCALE

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BR-0001-00 (357)

COUNTY:Carroll

DATE: 10-1-2001

ESTIMATED LETTING DATE: FY 2005

PREPARED BY: David P. Moore

PROJECT LENGTH (MILES):1.200 MILES

( ) PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT ( ) DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 23,520.00
2. DISPLACEMENTS; RES:0, BUS:0, M.H.:0	\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)	\$ 26,480.00
SUBTOTAL:A	\$ 50,000.00
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 70,000.00
SUBTOTAL:B	\$ 70,000.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES:	\$1,782,000.00
a. RETAINING WALLS	\$ 0.00
b. BRIDGES:	\$ 0.00
c. DETOURS BRIDGES	\$ 0.00
d. BOX CULVERTS	\$ 0.00
SUBTOTAL:C-1	\$ 1,782,000.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK: 40,000 CY	\$ 96,800.00
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 2,500.00
2) Curb and Gutter	\$ 0.00
3) Longitudinal System(include catch basins)	\$ 0.00
SUBTOTAL:C-2	\$ 99,300.00
3. BASE AND PAVING:	
a. AGGREGATE BASE	\$ 153,600.00

PROJECT COST

b. ASPHALT PAVING: Surface		\$50,410.00	
Binder		\$104,545.00	
Base		\$132,700.00	
SUBTOTAL:C-3.b		\$	441,255.00
c. CONCRETE PAVING		\$	0.00
d. OTHER		\$	0.00
SUBTOTAL:C-3		\$	441,255.00
4. LUMP ITEMS:			
a. TRAFFIC CONTROL		\$	25,000.00
b. CLEARING AND GRUBBING		\$	38,000.00
c. LANDSCAPING		\$	85,000.00
d. EROSION CONTROL		\$	35,000.00
e. DETOURS		\$	0.00
SUBTOTAL:C-4		\$	183,000.00
5. MISCELLANEOUS:			
a. LIGHTING		\$	0.00
b. SIGNING - STRIPING - SIGNAL		\$	5,100.00
c. Curb and Gutter		\$	0.00
d. SIDEWALK - MEDIAN BARRIER-(Construction Barrier)		\$	45,000.00
SUBTOTAL:C-5		\$	50,100.00
6. SPECIAL FEATURES	SUBTOTAL:C-6	\$	0.00

**ESTIMATE SUMMARY**

A. RIGHT-OF-WAY		\$50,000.00
B. REIMBURSABLE UTILITIES		\$70,000.00
C. CONSTRUCTION		
1. MAJOR STRUCTURES		\$1,782,000.00
2. GRADING AND DRAINAGE		\$99,300.00
3. BASE AND PAVING		\$ 441,255.00
4. LUMP ITEMS		\$ 183,000.00
5. MISCELLANEOUS		\$ 50,100.00
6. SPECIAL FEATURES		\$ 0.00
SUBTOTAL CONSTRUCTION COST		\$2,555,655.00
E. & C. (10%)		\$ 255,565.00
INFLATION (5% PER YEAR)		\$ 383,350.00
NUMBER OF YEARS	3	
TOTAL CONSTRUCTION COST		\$3,194,570.00
GRAND TOTAL PROJECT COST		\$3,314,570.00

# RIGHT OF WAY COST BREAKDOWN SHEET (CONCEPT)

Date: 10/02/01  
 Project: BR-0001-00(357)Carroll/Coweta  
 P.I. No. : 001357  
 No. of Parcels: 4  
 Project Description: S.R.16(U.S. 27 Alt) @ Chattahoochee River

Land: (Includes Fee Simple and Easements)  
 Agricultural: 3.92 Ac. @ \$6,000/Ac. \$ 23,520

Improvements: NONE \$0

Relocation: NONE \$0

Damages N/A \$0

**Estimated cost of Right of Way** **\$23,520**

C/O, Condemnation Increase & Legal Cost (50% of R/W) \$11,760

Fee Acquisition Cost \$ N/A

Fee Appraisal Cost \$ N/A

Condemnation Cost (4 parcels x 10% x \$5,500) \$ 2,200

Incidentals (4 parcels x \$1,500) \$ 6,000

**Estimated Cost of Fees** **\$19,960**

**Net Cost** **\$43,480**

Inflation ( 10% rural; 25% urban)  
 (0.10 x 43,480) \$ 4,348

**Total Cost** **\$50,000 (R)**

Prepared by: Charles Lewis  
 Right of Way Specialist (16 Hours)

Reviewed by: Pam Diesel  
 District R/W Team Manager

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0001-00 (357) Carroll  
P.I. No. 0001357

**OFFICE** Cartersville

**FROM** Kerry D. Bonner  
District Utilities Engineer

**DATE** August 7, 2001

**TO** DeWayne Comer  
District Pre Construction Engineer

**ATTN** William Darby

**SUBJECT** PRELIMINARY UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimates for each utility with facilities potentially located within the project limits.

FACILITY OWNER	NON- REIMBURSABLE	REIMBURSABLE	LOCAL GOVT. COST
Georgia Power Company		\$70,000.00	
BellSouth Telecommunications		NO FACILITIES	
Coweta-Fayette EMC		NO FACILITIES	
Coweta County Water and Sewer		NO FACILITIES	
Newnan Utilities		NO FACILITIES	
Charter Cable TV		NO FACILITIES	
<b>Totals</b>		<b>\$70,000.00</b>	

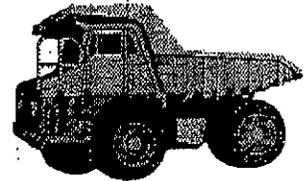
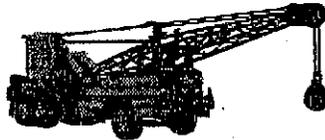
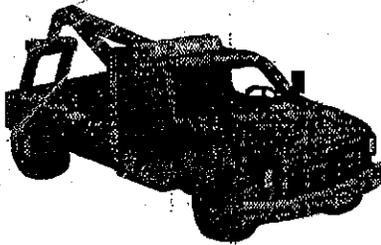
**Total Preliminary Utility Cost Estimate \$70,000.00**

Georgia Power states that nine of the ten poles in conflict are located on the East side of SR 16 . If construction is confined to the West side of SR 16, only one pole may be in conflict . This would reduce the estimated relocation cost to around \$7,000.00.

If you have any questions, please contact Royce Turner at 770-387-3615.

KDB/RET/rt

C: Jeff Baker, State Utilities Engineer;  
Herman Griffin, Office of Programming;  
Don Clerici, Area Engineer  
File/Estimating Book



Department of Transportation  
State of Georgia  
District Seven

862 Barnes Mill Road  
Marietta, Georgia 30062  
Phone {770} 528-3238 (Construction)  
Phone {770} 528-3231 (Maintenance)  
Fax {770} 528-5506

To: DAVID MORE From: JERRY COOPER

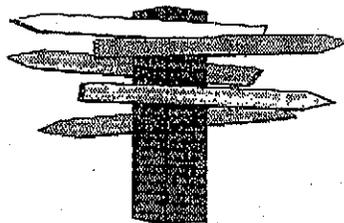
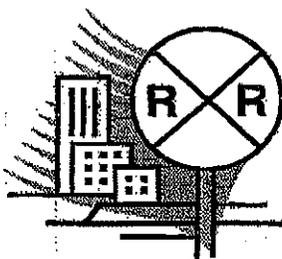
Fax: \_\_\_\_\_ Date: 8-24-01

Phone: \_\_\_\_\_ Pages: 15

Re: \_\_\_\_\_ CC: \_\_\_\_\_

*Urgent For Review Please Comments Please Reply Please Recycle*

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Carroll County

SUFF. RATING: 40.5

Structure ID: 045-0030-0  
 Location & Geography

Signs & Attachments

Below 50  
 Repair  
 Bridge

* Structure I.D. No.: 045-0030-0	* 104 Highway System: 1	
* 200 Bridge Information: 07	* 26 Functional Classification: 02	* 223 Expansion Joint Type:
	* 267 Federal Route Type: F No: 159-1	* 242 Deck Drains:
* 6A Feature Int.: CHATTAHOOCHEE RIVER	* 110 Truck Route: 0	* 243 Parapet Location: 0
* 6B Critical Bridge: 0	* 206 School Bus Route: 0	Height: 0
* 7A Route Number Carried: SR00016	* 217 Benchmark Elevation: 0.00	Width: 0
* 7B Facility Carried: US 27 ALT	* 218 Datum: 0	
* 9 Location: IN SOUTH WHITESBURG	* 19 Bypass Length: 55	* 238 Curb: 121
2 DOT District: 6	* 20 Toll: 3	* 239 Handrail: 11
207 Year Photo: 1998	* 21 Maintenance: 01	* 240 Median Barrier Rail: 0
	* 22 Owner: 01	
* 91 Inspection Frequency: 12	* 31 Design Load: 2	* 241 Bridge Median Height: 0
92A Fract Crit Insp Freq: 0 00	* 37 Historical Significance: 5	Width: 0
92B Underwater Insp Freq: 1 60	* 205 Congressional District: 07	
92C Other Spec. Insp Freq: 0 00	* 27 Year Constructed: 1947	* 230 Guardrail Loc Dir Rear: 3
	106 Year Reconstructed: 0000	Rvrd: 3
* 4 Place Code: 82720	* 33 Bridge Median: 0	Oppo Dir Rear: 0
	34 Skew: 00	Rvrd: 0
* 5 Inventory Route (O/U): 1	* 35 Structure Flared: 0	
Type: 2	38 Navigation Control: 0	* 244 Approach Slab: 3
Designator: 2	213 Special Steel Design: 0	* 224 Retaining Wall: 0
Number: 00027	267 Type of Paint: 1	
Directions: 0		* 233 Posted Speed Limit: 55
		* 236 Warning Sign: 0
* 16 Latitude: 33-28.7	* 42 Type Service: 1	* 234 Delineator: 1
* 17 Longitude: 84-54.1	Ort: 5	* 235 Hazard Boards: 1
	Under: 00	
98 Border Bridge: 000 %Shared: 00	214 Movable Bridge: 00	237 Utilities Gas: 00
99 ID Number: 0000000000000000	203 Type Bridge: O-N-M-O	Water: 00
	259 Pile Encasement: 3	Electric: 22
* 100 Defense Highway: 1	* 43 Structure Type Main: 4 02	Telephone: 00
* 101 Parallel Structure: N	45 No. Spans Main: 004	Sewer: 00
* 102 Direction of Traffic: 2	44 Structure Type Appr: 3 3	
264 Road Inventory Mile Post: 027.34	46 No. Spans Appr: 0012	
	226 Bridge Curve Horz: 0	
	111 Pier Protection: 0	
* 208 Inspection Area: 09 Initials: JMC	107 Deck Structure Type: 1	* 247 Lighting Street: 0
	108 Wearing Surface Type: 1	Navigation: 0
* Location I.D. No.: 045-00016D-026.21E	Membrane: 0	Aerial: 0
* XRReferen I.D. No.: 000-000000-000.000	Protection: 0	* 248 County Continuity No: 00

Report Date: 02/28/2000

SIA - 1

Programming Data

201 Project No:	F-406 (5)
202 Plans Available:	1
249 Prof. Proj No:	
250 Approval Status:	0000
251 P.I. No:	000000
252 Contract Date:	0000
260 Seismic No:	00000
75 Type Work:	34.1
94 Bridge Imp. Cost:	\$ 823
95 Roadway Imp. Cost:	\$ 96
96 Total Imp. Cost:	\$ 1,278
76 Imp. Length:	001021
97 Imp. Year:	1990
114 Future ADT:	020145 Year: 2017

Hydraulic Data

215 Waterway Data	
Highwater Elev:	0000.0 Year: 0000
Flood Elev:	0000.0 Freq: 00
Avg. Streambed Elev:	0000.0
Drainage Area:	00000
Area of Opening:	000000
113 Scour Critical:	5
216 Water Depth:	10.0 Br Height: 36.0
222 Slope Protection:	6
221 Spur Dikes Rear:	0 Fwrd: 0
219 Fender System:	0
220 Dolphins:	0
223 Culvert Cover:	000

Measurements

* 29 ADT:	013430 Year: 1919
109 % Trucks:	10
* 28 Lanes On:	02 Under: 00
210 No. Tracks On:	00 Under: 00
* 48 Max. Span Length:	0100
* 49 Structure Length:	810
51 Br. Rdwy. Width:	25.8
52 Deck Width:	32.2
* 47 Tot. Horiz. Cl:	25.8
50 Curb/SideWk Width:	2.0/2.0
32 Approach Rdwy Width:	032
* 229 Slider Width:	
Rear Lt. 4.0	Type: 2 Rt. 4.0
Fwrd Lt. 4.0	Type: 2 Rt. 4.0
Pyment Width:	
Rear: 24.0	Type: 2
Fwrd: 24.0	Type: 2
Intersection Rear:	0 Fwrd: 0
36 Safety Features Br. Rail:	2
Transition:	2
App. G. Rail:	1
App. Rail End:	1
53 Minimum Cl. Over:	99' 99"
Under: N	00' 00"

Ratings

66 Inventory Type:	2	Rating: 24
64 Operating Type:	2	Rating: 38
231 Calculated Loads		
H-Modified:	20	0
HS-Modified:	25	0
Type 3:	27	0
Type 3s2:	40	0
Timber:	36	0
Piggyback:	00	0
261 H Inventory Rating:	15	
262 H Operating Rating:	21	
67 Structural Evaluation:	5	
58 Deck Condition:	4	
59 Superstructure Condition:	7	
* 227 Collision Damage:	0	
60A Substructure Condition:	5	
60B Scour Condition:	7	
60C Underwater Condition:	6	
71 Waterway Adequacy:	6	
61 Channel Protection Cond:	7	
68 Deck Geometry:	2	
69 UnderCl. Horiz/Vert:	N	
72 Appr. Alignment:	8	
62 Culvert:	N	

Posting Data

70 Bridge Posting Required:	5
41 Struct Open, Posted, Cl:	A
* 103 Temporary Structure:	0
232 Posted Loads H-Modified:	00
HS-Modified:	00
Type 3:	00
Type 3s2:	00
Timber:	00
Piggyback:	00
253 Notification Date:	0000
253 Fed Notify Date:	0000
0	

\* Location I.D. No: 045-00016D-02621E  
 \* XReferen I.D. No: 000-000000-000-000

Report Date: 02/28/2000

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SIX**

**PROJECT CONCEPT REPORT**

Project Number: BR-0001-00 (357)

County: Carroll / Coweta

P. I. Number: 00001357

Federal Route Number: U.S. 27 Alt.

State Route Number: S. R. 16

Bridge Replacement on State Route 16 (U. S. 27 Alt.)  
Over the Chattahoochee River

Recommendation for approval:

DATE 3-28-2002

Curtis D. Connor

Project Manager

DATE 3/28/2002

Mark L. Sear

District Engineer

The 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 4-3-02

Merita V. Ryan

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Transportation Programming Engineer

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

Bridge Design Engineer

DATE \_\_\_\_\_

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

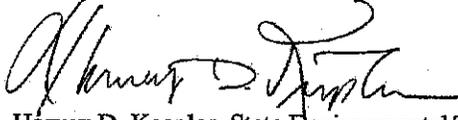
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**INTERDEPARTMENT CORRESPONDENCE**

**FILE:** P.I. No. 0001357

**OFFICE:** Environment/Location

**DATE:** April 3, 2002

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

**TO:** Wayne Hutto, P.E., Assistant Director of Preconstruction

**SUBJECT:** **PROJECT CONCEPT REPORT**  
BR-0001-000(357), CARROLL/COWETA COUNTY

The above subject concept report has been reviewed. This bridge is listed as eligible in the GHBS; however, the bridge has been determined to have no preservation potential.

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

HDK/rtt

Attachment

cc: David Mulling  
Kent Sager

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SIX**

**PROJECT CONCEPT REPORT**

Project Number: BR-0001-00 (357)  
County: Carroll / Coweta  
P. I. Number: 00001357

Federal Route Number: U.S. 27 Alt.  
State Route Number: S. R. 16

Bridge Replacement on State Route 16 (U. S. 27 Alt.)  
Over the Chattahoochee River

Recommendation for approval:

DATE 3-28-2002

Curtis D. Connor

Project Manager

DATE 3/28/2002

Mark J. Sorenson  
District Engineer

The 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 \_\_\_\_\_

State Transportation Programming Engineer

DATE 4/2/02

Alvin R. Roper  
State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

Bridge Design Engineer

DATE \_\_\_\_\_

Project Review Engineer

Department of Transportation  
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: BR-0001-00(357), Carroll/Coweta County  
P.I. No. 001357

Office: Traffic Safety & Design  
Atlanta, Georgia  
Date: April 10, 2002

From: *PMA/llc* Phillip M. Allen, State Traffic Safety and Design Engineer  
To: Wayne Hutto, Assistant Director of Preconstruction  
Subject: Project Concept Report Review

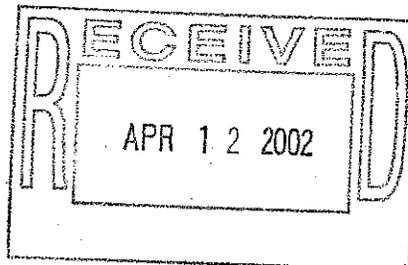
We have reviewed the above referenced concept report for the proposed bridge replacements along State Route 16 over the Chattahoochee River in Carroll/Coweta County.

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  
Kent L. Sager, District Engineer  
Attention: William M. Darby, District Design Engineer  
David Mulling, State Review Engineer, w/ attachment  
Marta Rosen, State Transportation Planning Administrator  
Paul Liles, State Bridge & Structural Design Engineer  
Chuck Hasty, TMC  
General Files  
Office Files



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SIX

PROJECT CONCEPT REPORT

Project Number: BR-0001-00 (357)  
County: Carroll / Coweta  
P. I. Number: 00001357

Federal Route Number: U.S. 27 Alt.  
State Route Number: S. R. 16

Bridge Replacement on State Route 16 (U. S. 27 Alt.)  
Over the Chattahoochee River

Recommendation for approval:

DATE 3-28-2002

Curtis D. Connor

Project Manager

DATE 3/28/2002

Keith J. Sorenson

District Engineer

The 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 \_\_\_\_\_

State Transportation Programming Engineer

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE 4-10-02

Phillip M. Allen  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

Bridge Design Engineer

DATE \_\_\_\_\_

Project Review Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
DISTRICT SIX**

**PROJECT CONCEPT REPORT**

Project Number: BR-0001-00 (357)  
County: Carroll / Coweta  
P. I. Number: 00001357

Federal Route Number: U.S. 27 Alt.  
State Route Number: S. R. 16

Bridge Replacement on State Route 16 (U. S. 27 Alt.)  
Over the Chattahoochee River

Recommendation for approval:

DATE 3-28-2002

Curtis D. Connor  
Project Manager

DATE 3/28/2002

Paul V. Miller Jr.  
District Engineer

The 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 \_\_\_\_\_

\_\_\_\_\_  
State Transportation Programming Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE 4/11/02

Paul V. Miller Jr.  
Bridge Design Engineer

DATE \_\_\_\_\_

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