

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0000-00(687) Murray County **OFFICE** Preconstruction  
P. I. No. 0000687 **DATE** September 27, 2001

**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

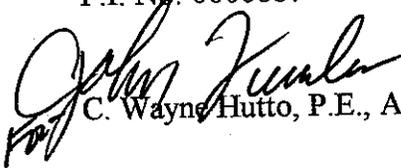
**DISTRIBUTION:**

Tom Turner  
David Mulling  
Harvey Keeper  
Jerry Hobbs  
Herman Griffin  
Michael Henry  
Phillip Allen  
Marta Rosen  
Paul Liles  
Jimmy Chambers  
Kent Sager  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BR-0000-00(687) Murray County **OFFICE** Preconstruction  
P.I. No. 0000687 **DATE** September 19, 2001

**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 CR 4/Dennis Mill Road over Rock Creek, 5.6 miles southeast of Chatsworth, Georgia. The existing bridge, constructed in 1933, is load limited with a sufficiency rating of 30. County Road 4 at this location is a rural two lane roadway with 12' travel lanes with rural shoulders. Traffic is projected to be 450 VPD and 750 VPD in the years 2006 and 2026 respectively. The posted speed is 45 MPH and the design speed is 35 MPH.

The construction proposes to construct a new 140' x 30' concrete bridge over Rock Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 5' shoulders. This roadway will be closed to traffic during construction. Murray County will be responsible for the signing and maintenance of detour routes.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$517,000	\$385,000	2004	03-07
Right-of-Way & Utilities*	Local	Local		

\*Murray County signed LGPA on 3-9-01 for right-of-way, utilities, detours, and 10% of construction costs.

Frank L. Danchetz  
Page 2

BR-0000-00(687) Murray  
September 19, 2001

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

CWH:JDQ/cj

Attachment

CONCUR Thomas L. Turner by CWH  
Thomas L. Turner, P.E., Director of Preconstruction

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** BR-0000-00(687) Murray  
P.I. Number 0000687

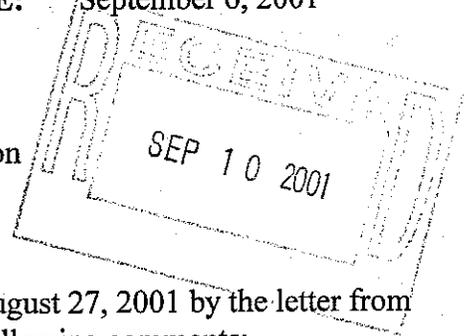
**OFFICE:** Engineering Services

**DATE:** September 6, 2001

**FROM:** David Mulling, <sup>DTM</sup> Project Review Engineer

**TO:** Wayne Hutto, Assistant Director of Pre-construction

**SUBJECT:** **CONCEPT REPORT**



We have reviewed the concept report submitted August 27, 2001 by the letter from Kent Sager dated August 24, 2001, and have the following comments:

1. The Need and Purpose Statement should be expanded to identify problems with the existing bridge that justify replacement, such as sufficiency rating criteria being lower than 50. See Appendix B of the PDP for guidance.
2. Estimated quantities and unit prices need to be provided in the cost estimate. Costs cannot be verified without this information.

The costs for the project are:

Construction	\$448,000
Inflation	\$ 22,000
E&C	\$ 47,000
Reimbursable Utilities	\$ 14,000
Right of Way	\$ 16,000

DTM

c: Kent Sager – Attention: William Darby

## SCORING RESULTS AS PER MOG 2440-2

<b>Project Number:</b> BR-0000-00(687)		<b>County:</b> MURRAY		<b>PI No.:</b> 0000687	
<b>Report Date:</b> 8/24/01		<b>Concept By:</b>			
		DOT Office: DISTRICT 6			
<input checked="" type="checkbox"/> CONCEPT					
		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 <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <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%	Need and Purpose Statement needs to be expanded to identify problems with existing bridge. Estimated quantities/unit prices needed in cost estimate.			
<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

### INTERDEPARTMENT CORRESPONDENCE

AUG 28 2001

**FILE:** BR-0000-00 (687), Murray County  
P.I. No. 0000687  
Bridge Replacement on CR 4/Dennis  
Mill Road over Rock Creek

**OFFICE:** Cartersville, Georgia

**DATE:** August 24, 2001

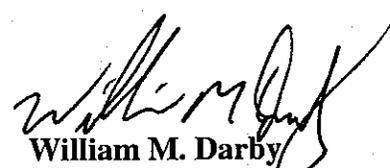
**FROM:** Kent L. Sager, District Engineer

**TO:** Wayne Hutto, Assistant Division Director of Preconstruction

**SUBJECT:** Project Concept Report

Attached is a copy of the concept report for the above mention project. Copies have been forwarded to the appropriate offices for review and comment.

If additional information is needed, please call William M. Darby at 770-387-3622. As always, your assistance is greatly appreciated.

By:   
William M. Darby  
District Design Engineer

KLS/WMD/sbm  
Attachments:

cc:  
David Mulling  
Marion Waters  
Harvey Keeper  
Marta Rosen  
Herman Griffin  
Paul Liles  
Andy Rikard  
File

*WMD*

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

District Six  
**PROJECT CONCEPT REPORT**

Project Number: BR-0000-00(687)

County: Murray

P. I. Number: 0000687

Federal Route Number: None

State Route Number: None

Bridge Replacement on CR 4/ Dennis Mill RD.  
@ Rock Creek

Recommendation for approval:

DATE 8-23-2001

Curtis D. Cornum  
Project Manager

DATE 9/23/01

Mark L. Sayer  
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 ~~the~~ the State Transportation Improvement Program (STIP).

Del  
9/5/2001  
=

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

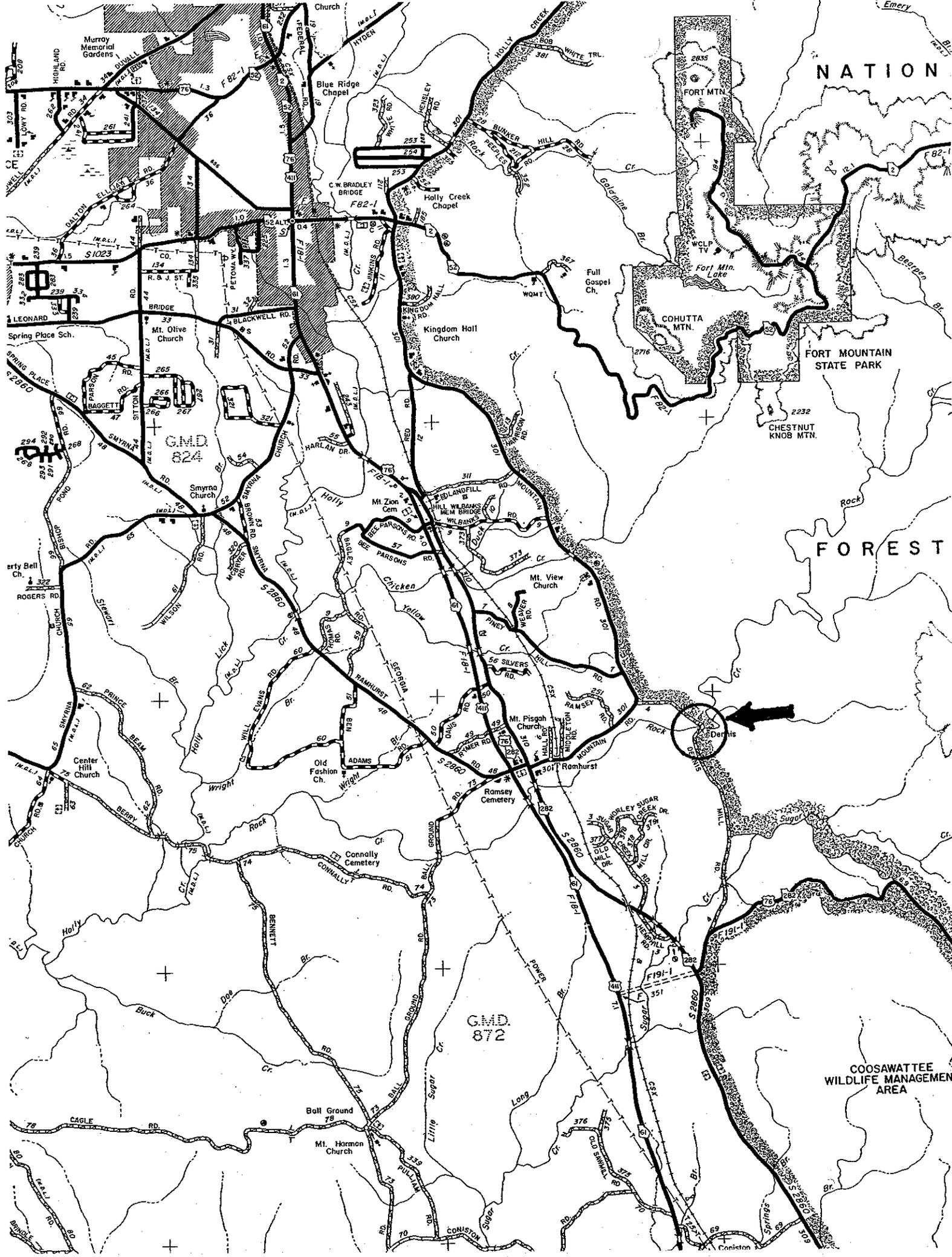
\_\_\_\_\_  
State Traffic Operations Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Engineer



NATION

FORT MOUNTAIN STATE PARK

FOREST

COOSAWATTEE WILDLIFE MANAGEMENT AREA

FORT MTN.  
2635

COHUTTA MTN.  
2716

CHESTNUT KNOB MTN.  
2232

GMD.  
872

GMD.  
824

Ramhurst

Ball Ground

Mt. Harmon Church

Holly Creek Chapel

Kingdom Hall Church

Mt. View Church

Mt. Pisgah Church

Mt. Olive Church

Smyrna Church

Center Hill Church

Cannally Cemetery

Old Fashion Ch.

Ramsay Cemetery

F191-1

Long Cr.

Little Sugar Cr.

CONISTON

Springs

CONISTON



Project Concept Report  
 Project Number: BR-0000-00 (687)  
 P.I. Number: 0000687  
 County: Gilmer

- Structures:
  - Bridges: 140 ft. x 30 ft. concrete & steel bridge, ID # 213-00004X-001.91N
  - Retaining Wall: None
- Traffic control during construction: Road will be closed during construction.
- 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 Expected
- Environmental concerns: Section 404, water quality, and history
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion, Anticipated (X)
- Utility involvements: Alltel Communications & Georgia Power Co.

**Project responsibilities:**

- Design: GDOT
- Right of Way Acquisition: Murray County
- Relocation of Utilities: Murray County
- Letting to contract: GDOT
- Supervision of construction: GDOT
- Providing material pits: Contractor
- Providing detours: Murray County

**Coordination**

- Concept meeting date and brief summary: See attachment.
- FEMA & USCG
- Public involvement: Not Required
- Local government comments: See Concept Meeting Minutes
- Other projects in the area: STP-191-1(9) Murray
- *FUTURE PASSENGER RAIL CORRIDOR*      YES \_\_\_\_\_ NO X

**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  
Project Number: BR-0000-00 (687)  
P.I. Number: 0000687  
County: Gilmer

**Other alternates considered: No build**

**Comments:**

**Attachments:**

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

Concur: \_\_\_\_\_  
Director of Preconstruction

Approve: \_\_\_\_\_  
Chief Engineer

*del*  
9/5/2001

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: BR-0000-00(687)

COUNTY: Murray

DATE:

ESTIMATED LETTING DATE: FY 2004

PREPARED BY: William M. Darby

PROJECT LENGTH (MILES): 0.22 MILES

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 0
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 0
SUBTOTAL:A	\$ 0
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 0
3. SERVICES	\$ 0
SUBTOTAL:B	\$ 0
C. CONSTRUCTION:	
1. MAJOR STRUCTURES:	\$ 0
a. RETAINING WALLS	\$ 0
b. BRIDGES: 140'X 30' CONC. BRIDGE (4,200 SF)	\$ 315000.00
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS	\$ 0
SUBTOTAL:C-1	\$ 315000.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK: 7000 CY	\$ 35000.00
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 3700.00
2) Curb and Gutter	\$ 0
3) Longitudinal System(include catch basins)	\$ 0
SUBTOTAL:C-2	\$ 38700.00

**PROJECT COST**

<b>3. BASE AND PAVING:</b>		
a. AGGREGATE BASE		\$ 29000.00
b. ASPHALT PAVING: Surface	\$ 13000.00	
Binder	\$ 17300.00	
Base	\$	
SUBTOTAL:C-3.b		\$ 30300.00
c. CONCRETE PAVING		\$ 0
d. OTHER		\$ 0
SUBTOTAL:C-3		\$ 59300.00
<b>4. LUMP ITEMS:</b>		
a. TRAFFIC CONTROL		\$ 10000.00
b. CLEARING AND GRUBBING		\$ 6000.00
c. LANDSCAPING		\$ 0
d. EROSION CONTROL		\$ 5000.00
e. DETOURS		\$ 0
SUBTOTAL:C-4		\$ 21000.00
<b>5. MISCELLANEOUS:</b>		
a. LIGHTING		\$ 0
b. SIGNING - STRIPING - SIGNAL		\$ 0
c. GUARDRAIL		\$ 13800.00
d. SIDEWALK - MEDIAN BARRIER		\$ 0
SUBTOTAL:C-5		\$ 13800.00
6. SPECIAL FEATURES	SUBTOTAL:C-6	\$ 0

**ESTIMATE SUMMARY**

A. RIGHT-OF-WAY		LGPA \$
B. REIMBURSABLE UTILITIES		LGPA \$
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$ 315000.00	
2. GRADING AND DRAINAGE	\$ 38700.00	
3. BASE AND PAVING	\$ 59300.00	
4. LUMP ITEMS	\$ 21000.00	
5. MISCELLANEOUS	\$ 13800.00	
6. SPECIAL FEATURES	\$ 0	
SUBTOTAL CONSTRUCTION COST	\$ 447800.00	
E. & C. (10%)	\$ 44780.00	
INFLATION (5% PER YEAR)	\$ 22390.00	
NUMBER OF YEARS	2	
TOTAL CONSTRUCTION COST		<b>\$514970.00</b>
GRAND TOTAL PROJECT COST		<b>\$514970.00</b>

## **Rights of Way Cost Estimate**

**BR-0000-00(687) Murray County  
P.I. No. 0000687**

**Existing R/W= 40 Ft.  
Required R/W= 100 Ft.**

**Approximately 2.9 acres of required R/W**

**2.9 X \$5500 = \$15,950.00**

**Total R/W cost \$15,950.00**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

*BR*  
FILE ~~PFH-0000-00~~ (687) Murray OFFICE Cartersville  
P.I. No. 0000687

FROM Kerry D. Bonner DATE July 30, 2001  
District Utilities Engineer

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
Alltel Communications	\$1,200.00		
Georgia Power Co.		\$1,400.00	
Totals	\$1,200.00	\$1,400.00	

Total Preliminary Utility Cost Estimate \$15,200.00

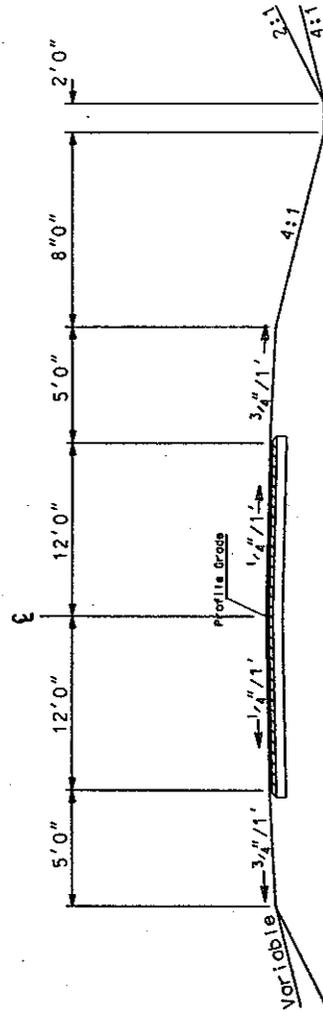
If you have any questions, please contact Royce Turner at 770-387-3615.

KDB/RET/rt

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

STATE	PROJECT NUMBER	SCALE
GA.		

# TYPICAL SECTION



## **Information from Bridge Inventory**

**Bridge on Dennis Mill Road/CR 4 over Rock Creek in Murray County.**

**I.D.#: 213-00004X-001.91N**

**Ser.#: 213-5004-0**

**Steel beams with 4.2" deck. (Jack Arch)**

**Condition: Fair**

**Span Length: 91 ft.**

**Deck Width: 11.9 ft.**

**Suff. Rating: 30.1**

# DEPARTMENT OF TRANSPORTATION

## STATE OF GEORGIA

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### Concept Team Meeting

**Project: BR-0000-00(687) Murray County**  
**PI No.: 0000687**

**Date: 08-15-2001**  
**Meeting Date: 08-02-2001**

#### Meeting Roster:

<b>William Darby</b>	<b>District 6 Design</b>
<b>Harlan Conley</b>	<b>Dist. Location</b>
<b>Denver Poole</b>	<b>Local Government R/W Coordinator</b>
<b>Royce Turner</b>	<b>District 6 Utilities</b>
<b>Kathy Spradley</b>	<b>District Environmental</b>
<b>Brent Beck</b>	<b>District 6 Design</b>
<b>Steve Malinak</b>	<b>District 6 Design</b>
<b>Stanley McCarley</b>	<b>District 6 Design</b>
<b>Devon Woodworth</b>	<b>Area 3 Engineer</b>
<b>Marcus Richardson</b>	<b>Area 3</b>
<b>Tera Fletcher</b>	<b>Environmental</b>
<b>Shannon Zimmerman</b>	<b>Environmental</b>
<b>John Hutton</b>	<b>Environmental</b>

**The Commissioner of Murray County called on 8-3-2001 and said that the County supports this project.**

**Comments: A concept team meeting was held at the project site on 08-02-2001. The project was discussed with the following comments.**

**This project is the replacement of the existing bridge on CR 4/ Dennis Mill Rd. at Rock Creek in Murray County.**

**Construction: There should not be any unusual problems associated with the construction of this bridge.**

**Utilities: The existing utility on this project is telephone and power.**

**Rights of Way: Murray County will be responsible for acquiring Rights of Way for this project.**

**Estimate:** The estimate for this project is satisfactory.

**Traffic:** This road will be closed to through during construction.

**Environmental:** Level of environmental analysis: Categorical Exclusion expected.

**Bridge Site**

1. The required bridge will be approximately 30 ft. x 140 ft.
2. The new bridge will be located approximately 100 ft. west of the existing bridge.
3. The bridge should span the creek, and all construction activities should avoid the creek.
4. All erosion control items required to prevent sediment from getting into the creek will be added to this contract, this will include sediment basin if required.

NOTICE OF LOCATION AND DESIGN APPROVAL

BR-0000-00(687) Murray County  
P.I. 0000687

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 bridge replacement on CR 4/Dennis Mill Road at Rock Creek, Murray County, in GMD 872, and in Land Lot 39, 25<sup>th</sup> District.

Date of Location and Design approval:

This project will be the replacement of the existing bridge on CR 4/Dennis Mill Road at Rock Creek, Murray County.

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 cost therefor.

Any written request in reference to this Notice 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  
500 Joe Frank Harris Parkway  
Cartersville, Georgia 30120  
770-387-3619



# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 213-5004-0

Murray

SUFF. RATING

30.10

## Location & Geography

Structure I.D.No: 213-5004-0  
 200 Bridge Information 07  
 6A Feature Int: ROCK CREEK  
 6B Critical Bridge: 0  
 7A Route Number Carried: CR00004  
 7B Facility Carried: DENNIS MILL ROAD  
 9 Location: 5.6 MI SE OF CHATSWORTH

2 DOT District: 6  
 207 Year Photo: 1998  
 91 Inspection Frequency: 24 Date: 01/21/2000  
 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: 00004  
 Direction: 0  
 16 Latitude: 34-42.2 MMS Prefix:  
 17 Longitude: 84-42.6 MMS Suffix: MP:  
 98 Border Bridge: 000 %Shared: 00

99 ID Number: 0000000000000000  
 100 STRAHNET: 0  
 12 Base Highway Network: 0  
 13A LRS Inventory Route:  
 13B Sub Inventory Route:  
 101 Parallel Structure: N  
 102 Direction of Traffic: 3  
 264 Road Inventory Mile Post: 001.91  
 208 Inspection Area: 06 Initials: DEM  
 Engineer's Initial:

Location I.D. No.: 213-00004X-001.91N

## 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:	1		
206 School Bus Route:	0000.00		
217 Benchmark Elevation:	0		
218 Datum:	01		
* 19 Bypass Length:	3		
* 20 Toll:	02		
* 21 Maintenance:	02		
* 22 Owner:	0		
* 31 Design Load:	5		
37 Historical Significance:	09		
205 Congressional District:	1933		
27 Year Constructed:	0000		
106 Year Reconstructed:	0		
33 Bridge Median:	00		
34 Skew:	0		
35 Structred Flared:	0		
38 Navigation Control:	0		
213 Special Steel Design:	6		
267 Type of Paint:	1		
* 42 Type of Service on:	5		
	Under:		
214 Movable Bridge:	0		
203 Type Bridge:	A-O-M-O		
259 Pile Encasement:	3		
* 43 Structure Type Main:	3	02	
45 No. Spans Main:	002		
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		
108 Wearing Surface Type:	6		
	Membrane:	0	
	Protection:	0	

\* 248 County Continuity No.: 00

BR-0000-00 (687) MURRAY

Report Date: 9/12/01

SIA-1

# BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

structure ID: 213-5004-0

Murray

SUFF. RATING

30.10

## Programming Data

201 Project No.: COUNTY DESIGN  
 202 Plans Available: 0  
 249 Prop. Proj. No. BR-0000-00 (687)  
 250 Approval Status: 0000  
 251 P.I. No.: 0000687  
 252 Contract Date: 02/01/2004  
 260 Seismic No.: 00008  
 75 Type Work: 31 1  
 94 Bridge Imp. Cost: \$ 131  
 95 Roadway Imp. Cost: \$ 132  
 96 Total Imp Cost: \$ 296  
 76 Imp. Length: 001411  
 97 Imp. Year: 1990  
 114 Future ADT: 000705 Year: 2018

## Measurements

\* 29 ADT: 000470 Year: 1998  
 109 % Trucks: 1  
 \* 28 Lanes On: 01 Under: 00  
 210 No. Tracks On: 00 Under: 00  
 \* 48 Max. Span Length: 0051  
 \* 49 Structure Length: 91  
 51 Br. Rwdy. Width: 11.90  
 52 Deck Width: 11.90  
 \* 47 Tot. Horz. Cl: 11.90  
 50 Curb/Sdewlk Width: 0.00/0.00  
 32 Approach Rdwy Width: 019  
 \* 229 Shoulder Width:

Rear Lt: 2.00 Type: 8 Rt: 2.00  
 Fwrd Lt: 2.00 Type: 8 Rt: 2.00  
 Pavement Width:

Rear: 19.00 Type: 2  
 Fwrd: 19.00 Type: 2  
 Intersection Rear: 0 Fwrd: 0  
 36 Safety Features Br. Rail: 3  
 Transition: 0

App. G. Rail: 0  
 App. Rail End: 0  
 53 Minimum Cl.Over:  
 Under: N  
 99 ' 99 "  
 00 ' 00 "

\* 228 Min. 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 Horz: 0000  
 116 Nav Vert Cl Closed: 000  
 245 Deck Thickness Main: 4.20  
 Deck Thick Approach: 0.00

246 Overlay Thickness: 1.00  
 212 Year Last Painted: Sup: 1933 Sub: 0000

## Hydraulic Data

215 Waterway Data  
 Highwater Elev.: 0000.0 Year: 1900  
 Avg. Streambed Elev.: 0000.0 Freq.: 00  
 Drainage Area: 00015  
 Area Of Opening: 000000  
 113 Scour Critical: 6  
 216 Water Depth: 03.8 Br. Height: 08.2  
 222 Slope Protection: 0  
 221 Spur Dikes Rear: 0 Fwrd: 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.: 213-00004X-001.91N

## Ratings

65 Inventory Rating Method: 2  
 63 Inventory Rating Method: 2  
 66 Inventory Type: 2 Rating: 11  
 64 Operating Type: 2 Rating: 25  
 231 Calculated Loads

H-Modified: 09 1  
 HS-Modified: 12 0  
 Type 3: 10 1  
 Type 3s2: 16 1  
 Timber: 15 1  
 Piggyback: 00 0

261 H Inventory Rating: 09  
 262 H Operating Rating: 14  
 67 Structural Evaluation: 2  
 58 Deck Condition: 5  
 59 Superstructure Condition: 6  
 \* 227 Collision Damage: 0

60A Substructure Condition: 5  
 60B Scour Condition: 5  
 60C Underwater Condition: N  
 71 Waterway Adequacy: 9  
 61 Channel Protection Cond: 5  
 68 Deck Geometry: 3  
 69 UnderClr. Horz/Vert: N  
 72 Appr. Alignment: 5  
 62 Culvert: N

## Posting Data

70 Bridge Posting Required: 3  
 41 Struct Open, Posted, Cl: P  
 \* 103 Temporary Structure: 0  
 232 Posted Loads H-Modified: 09  
 HS-Modified: 00  
 Type 3: 10  
 Type3s2: 16  
 Timber: 15  
 Piggyback: 00

253 Notification Date 05/16/1996  
 253 Fed Notify Date: 02/01/1901 0

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
District Six

Project Number: BR-0000-00(687)  
County: Murray  
P. I. Number: 0000687

Federal Route Number: None  
State Route Number: None

Bridge Replacement on CR 4/ Dennis Mill RD.  
@ Rock Creek

Recommendation for approval:

DATE 8-23-2001

Curtis D. Cornin

Project Manager

DATE 8/23/01

Mark J. Soyars

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 8/29/01

Marta P. Rouse

State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_

State Transportation Programming Engineer

DATE \_\_\_\_\_

\_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_

State Traffic Operations Engineer

DATE \_\_\_\_\_

\_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_

State Bridge and Structural Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
District Six

Project Number: BR-0000-00(687)  
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Federal Route Number: None  
State Route Number: None

Bridge Replacement on CR 4/ Dennis Mill RD.  
@ Rock Creek

Recommendation for approval:

DATE 8-23-2001

Curtis D. Corwin  
Project Manager

DATE 8/23/01

Mark L. Sayer  
District Engineer

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DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Operations Engineer

DATE \_\_\_\_\_

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

DATE 8/31/01

Paul V. Tiller Jr.  
State Bridge and Structural Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
District Six

Project Number: BR-0000-00(687)

County: Murray

P. I. Number: 0000687

Federal Route Number: None

State Route Number: None

Bridge Replacement on CR 4/ Dennis Mill RD.  
@ Rock Creek

Recommendation for approval:

DATE 8-23-2001

Curtis D. Corner

Project Manager

DATE 8/23/01

[Signature]

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 8/30/01

[Signature]

State Transportation Programming Engineer

DATE \_\_\_\_\_

State Environmental/Location Engineer

DATE \_\_\_\_\_

State Traffic Operations Engineer

DATE \_\_\_\_\_

Project Review Engineer

DATE \_\_\_\_\_

State Bridge and Structural Engineer



Department of Transportation  
State of Georgia

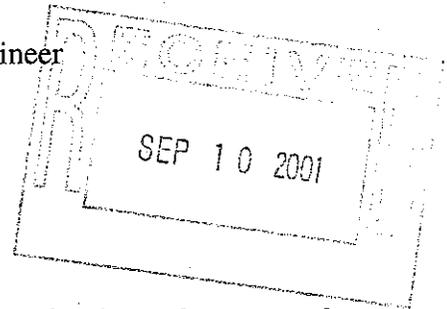
INTERDEPARTMENTAL CORRESPONDENCE

File: BR - 0000-00 (687) / Murray County  
P.I. No. 0000687

Office: Traffic Operations  
Atlanta, Georgia  
Date: August 29, 2001

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer  
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review



We have reviewed the above referenced concept report for the replacement of the structurally deficient bridge on CR 4 over Rock Creek. This project is located southeast of Chatsworth.

The existing structure is 12 feet wide with a sufficiency rating of 30.1. The concept proposes to construct a new structure 30 feet wide for the two-lane roadway. The current ADT is 450 vehicles and the design year ADT is projected to be 750 vehicles. The proposed bridge width is in accordance with MOG 4265-09 for this type of roadway.

We believe this concept will improve safety and traffic operations within this area, therefore find this report satisfactory for approval.

MGW/BM

Attachment (signature page)

Cc: Harvey Keeper, State Environment/Location Engineer  
Kent Sager, District Engineer - Cartersville  
Attention: William 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 Number: BR-0000-00(687)  
County: Murray  
P. I. Number: 0000687

Federal Route Number: None  
State Route Number: None

Bridge Replacement on CR 4/ Dennis Mill RD.  
@ Rock Creek

Recommendation for approval:

DATE 8-23-2001

Curtis D. Carnan  
Project Manager

DATE 8/23/01

Mark L. Sage  
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 08/31/01

Marion H. ...  
State Traffic Operations Engineer

DATE \_\_\_\_\_

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge and Structural Engineer