

ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** BHF-001-6(43) Catoosa County **OFFICE** Preconstruction  
P.I. No. 631505  
**DATE** September 4, 1996  
**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

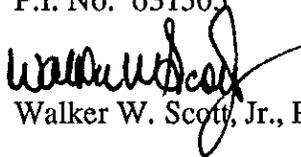
DISTRIBUTION:

Walker Scott  
Bobby Mustin  
David Studstill (ATTN: Harvey Keeper)  
Jerry Hobbs  
Herman Griffin  
Darrell Elwell (ATTN: Michael Henry)  
Marion Waters  
Toni Dunagan  
Paul Liles  
Jim Kennerly  
Charles Law

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** BHF-001-6(43) Catoosa County **OFFICE** Preconstruction  
P.I. No. 631505 **DATE** August 15, 1996

**FROM**  Walker W. Scott, Jr., P.E., Director of Preconstruction

**TO** Wayne Shackelford, Commissioner

**SUBJECT** PROJECT CONCEPT REPORT

This project is the widening of a bridge on US 41/SR2/SR 3 over Chickamauga Creek at the west city limits of Ringgold, Georgia. The existing bridge is 106.7m x 9.0m with a sufficiency rating of 79.3. The existing approaches consist of two, 3.6m lanes with 1.8m rural shoulders on 30.5m of existing right-of-way. The base year traffic (1999) is 15,900 VPD and the design year traffic (2019) is 25,500 VPD. The posted speed and the design speed are 70km/h.

This project is proposed to widen the existing bridge to 23.4m and replace the existing bridge deck. The proposed typical section will consist of four, 3.6m lanes with 6.1m raised median with curb and gutter and 1.5m sidewalks on both sides on 45.0m of proposed right-of-way. The project limits will extend from just west of Chickamauga Creek east to just past SR 15 for a total of 1.48km. Future widening of US 41 northwest of Chickamauga Creek is proposed under project STP-2854(20), Catoosa County. Traffic will be maintained by stage construction.

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

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$1,917,000	\$450,000	1998	97-06
Right-of-Way	\$ 135,000	-----		
Utilities*	\$ 9,000	-----		

\*LGPA sent 8-26-94 requesting the City of Ringgold be responsible for utility relocations; Catoosa County indicated no utilities involved.

Wayne Shackelford

Page 2

August 15, 1996

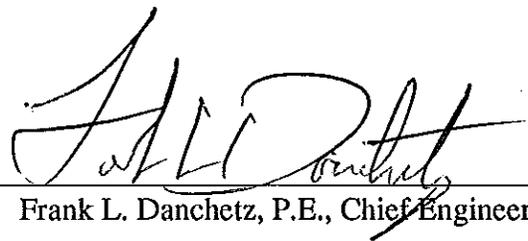
BHF-001-6(43) Catoosa

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

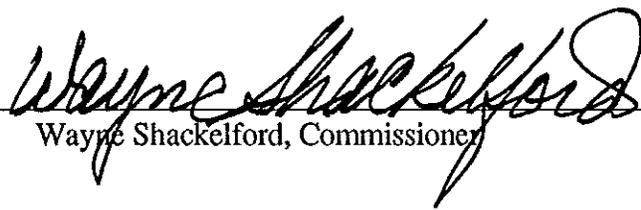
WWS:JDQ/cj

Attachment

CONCUR

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

APPROVE

  
Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED  
DEC 28 1995  
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE BHF-001-6(43) CATOOSA OFFICE Atlanta, Georgia  
P.I. NO. 631505 DATE DECEMBER 27, 1995

FROM Bob Mustin, P.E., Project Review Engineer *DTM*

TO C. Wayne Hutto, Assistant Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

The concept report submitted December 20, 1995 by the letter from Charles E. Law dated December 18, 1995 has been reviewed and is considered satisfactory except as noted below:

1. The estimated bridge costs of \$ 826,512 does not appear to include the existing bridge deck replacement addressed in the report. The construction cost listed below includes \$156,000 for the replacement of the existing bridge deck.

The estimated costs for the project are as follows:

Construction	\$	1,660,000
Inflation	\$	83,000
E & C	\$	174,000
Right of Way	\$	135,000
Reimbursable Utilities	\$	9,000

DTM

c: Charles Law

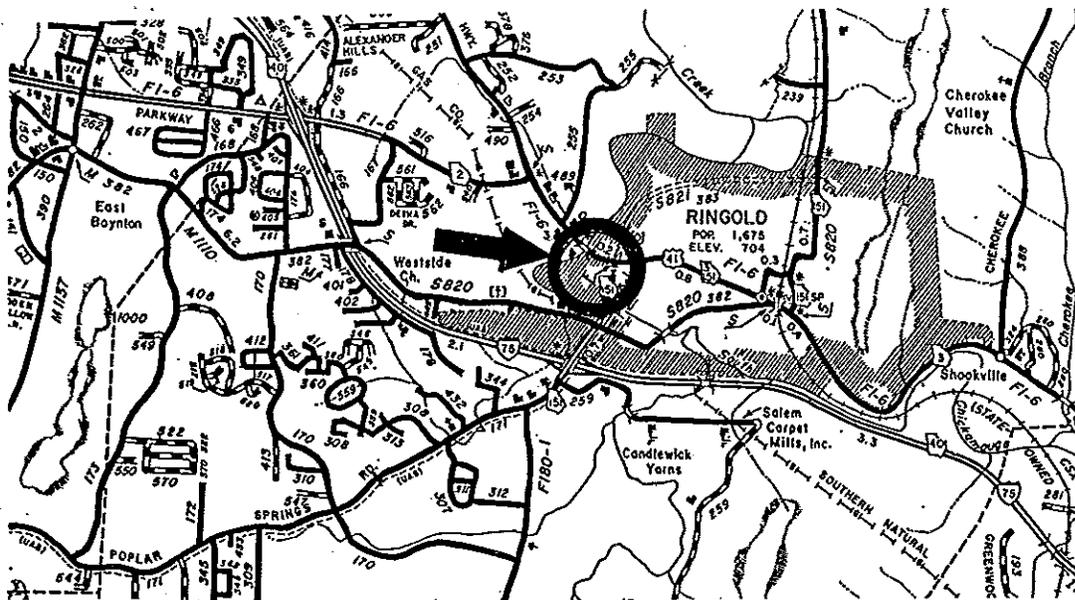


# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PROJECT CONCEPT REPORT

State Route 2, 3 Bridge Widening over W. Chickamauga Creek  
BHF-001-6(43) Catoosa County

Federal Route No.: F 1-6  
State Route No.: 2,3  
Ga. D.O.T. P.I. No.: 631505



DATE OF REPORT: December 14, 1995

### RECOMMENDATION FOR APPROVAL

12/16/95  
DATE

*Charles J. [Signature]*  
DISTRICT ENGINEER

DATE

STATE ENVIRONMENTAL ENGINEER

DATE

STATE

ENGINEER

PROJECT CONCEPT REPORT

DATE: NOVEMBER 27, 1995

PROJECT NUMBER: BHF 001 6 (43) COUNTY: CATOOSA

PROJECT NAME: SR 2, SR3, US 41 OVER S. CHICKAMAUGA CREEK LENGTH: 1.48 km

P. I. NUMBER: 631505 U.S. ROUTE NO.: F 1-6 STATE ROUTE NO.: 2.3

LOCATION

SR 2, SR 3 OVER SOUTH CHICKAMAUGA CREEK AT THE WEST CITY LIMITS OF RINGGOLD.

YEAR	CURRENT			TRAFFIC		PROJECTED	
	YEAR	AA DT		YEAR	AA DT		
1999		15,900		2019		25,500	
PDP CLASSIFICATION		NON-CA	CA	EXEMPT	FUNCTIONAL CLASSIFICATION		
MINOR		( )	( )	(XX)	URBAN MINOR ARTERIAL		

EXISTING TYPICAL SECTION

7.3 m PAVING, WITH 1.8 m SHOULDERS

POSTED SPEED	MIN RADIUS OF CURVE	MAX EXIST GRADE
45 mph	436 m	2 %

EXISTING MAJOR STRUCTURES

RANK:	N.RTG	S.RTG	FEATURES INTERSECTED	LENGTH	WIDTH
		79.3	SERIAL 047-0009-0 ID 047-00002D-00846E	106.7m	9 m

EXISTING AND REQUIRED RIGHT OF WAY: EXISTING R/W IS ESTIMATED TO BE 30.49 m.

PROPOSED R/W IS ESTIMATED TO BE 45 m.

PROJECT NEED: THE HIGH EXISTING TRAFFIC, AND PROPOSED TRAFFIC AT THIS LOCATION MAKE THIS WIDENING PROJECT NECESSARY.

PROJECT CONCEPT REPORT

PROJECT NUMBER: BHF 001 6 (43) CATOOSA

PROPOSED TYPICAL SECTION

4-3.6m

~~2-7.2~~ m LANES, WITH A 6 m RAISED CONCRETE ISLAND. CURB AND GUTTER WITH A

1.5 m CONCRETE SIDEWALK EACH SIDE.

DESIGN SPEED

MIN RADIUS OF CURVE

MAX GRADE

45 mph

ALLOWABLE: 291m

ALLOWABLE: 6 %

PROPOSED: 436 m

PROPOSED: 2 %

MAJOR STRUCTURES

BRIDGE SERIAL NUMBER 047 0009 0 (ID 047 00002D 00846) TO BE WIDENED TO 23.4

m. BRIDGE MAINTENANCE REPORTS THAT THE DECK ON THIS BRIDGE NEEDS REPLACING.

TYPE ACCESS: CONTROLLED BY PERMIT

TRAFFIC CONTROL DURING CONSTRUCTION: STAGE CONSTRUCTION

ESTIMATED COST:

CONSTRUCTION: 1,503,912

RIGHT-OF-WAY: 135,000

E & C (10%): 150,391.20

ACQUIRED BY: D.O.T.

INFLATION: 82,715.16

UTILITIES: 6,000

1 yr at 5% per yr

ADJUSTED BY: OWNERS

TOTAL CONST COST: 1,881,018.36

DESIGN VARIATIONS REQUIRED

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	( )	(X)	( )
SUBST ROADWAY WIDTH	( )	(X)	( )
SUBST SHOULDER WIDTH	( )	(X)	( )
SUBST VERT GRADES	( )	(X)	( )
SUBST CROSS SLOPES	( )	(X)	( )
SUBST STOPPING SIGHT DIST	( )	(X)	( )
SUBST SUPERELEV RATES	( )	(X)	( )
SUBST HORIZ CLEARANCE	( )	(X)	( )
SUBST SPEED DESIGN	( )	(X)	( )
SUBST VERT CLEARANCE	( )	(X)	( )
SUBST BRIDGE WIDTH	( )	(X)	( )
SUBST BR STRUCT CAPACITY	( )	(X)	( )

PROJECT CONCEPT REPORT (

PROJECT NUMBER: BHF 001 6 (43) CATOOSA

DISPLACEMENTS: NONE

LEVEL OF ENVIRONMENTAL ANALYSIS: CATEGORICAL EXCLUSION

LEVEL OF PUBLIC INVOLVEMENT: NONE

TIME SAVING PROCEDURES APPROPRIATE: XX YES \_\_\_\_\_ NO

DESIGN VARIATIONS REQUIRED: NONE ANTICIPATED

OTHER PROJECTS IN AREA: BHF 183 1 (3), P.I. 631520; IM 75 3 (187), P.I. 610730; NH IM 75 3 (196), P.I. 610800; NH IM 75 3 (198), P.I. 610810; STP IM 180 1 (6), P.I. 621530; STP 001 6 (42), P.I. 631420; STP 180 1 (7), P.I. 631600.

CONCEPT TEAM MEETING DATE: OCTOBER 3, 1995

LOCATION INSPECTION DATE: OCTOBER 3, 1995

PERMITS REQUIRED (COE 404, etc.): C.O.E. 404

UNDERGROUND STORAGE TANKS: POSSIBLE AT ONE LOCATION

HAZARDOUS WASTE SITES: NONE ANTICIPATED

OTHER ALTERNATES CONSIDERED: NO BUILD

PROJECT CONCEPT REPORT

PROJECT NUMBER: BHF 001 6 (43) CATOOSA

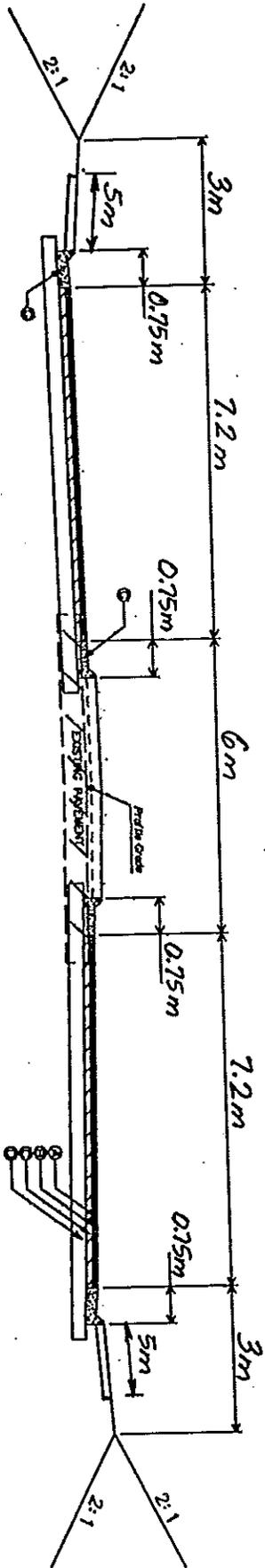
COMMENTS: BRIDGE MAINTENANCE REPORTS THE DECK ON THIS BRIDGE NEEDS REPLACING.  
DUE TO THE HIGH PRESENT AND PROJECTED TRAFFIC, PROPOSE TO WIDEN THIS BRIDGE  
TO 24.9 m, WITH A 6 m RAISED CONCRETE MEDIAN, ON THE NORTH END OF THE BRIDGE,  
PROPOSE TO WIDEN FULL WIDTH 60 m , AND TAPER BACK INTO THE EXISTING 2 LANE  
SECTION, ON THE SOUTH END, PROPOSE TO WIDEN FULL WIDTH TO THE SR 151 INTER-  
SECTION, AND TAPER BACK INTO THE EXISTING 2 LANE SECTION.  
THIS TAPER AREA CAN ACCOMMODATE AN ACCELERATION LANE FOR TRAFFIC ON SR 151  
TURNING RIGHT ONTO SR 2,3, US 41.

ATTACHMENTS: TYPICAL SECTION

UTILITY COST ESTIMATE

Prepared By: Dennis Thompson

# TYPICAL SECTION





D. GRADING AND DRAINAGE

1. EARTHWORK - 30,000 CY @ \$4.50/CY	\$ 135,000
<hr/>	
2. DRAINAGE	
a. Cross Drain Pipes (exc. Box Culverts)	\$
<hr/>	
b. Curb and Gutter - 1300 LF @ \$7.50/LF	\$ 9,750
<hr/>	
c. Logitudinal System (incl. Catch Basins)	\$ 19,600
<hr/>	
SUBTOTAL	\$ 164,350

E. BASE AND PAVING

1. AGGREGATE BASE - 6,600 T @ \$12.50/T	\$ 82,500
<hr/>	
2. ASPHALT PAVING - 5,600 T @ \$40/T	\$ 228,000
<hr/>	
3. CONCRETE PAVING	\$
<hr/>	
4. OTHER - AGG SURF CRS- 500 T @ \$10.50/T	\$ 5,250
<hr/>	
SUBTOTAL	\$ 315,750

F. LUMP ITEMS

1. TRAFFIC CONTROL - LUMP	\$ 75,000
<hr/>	
2. CLEARING AND GRUBBING - 10 AC @ \$1000/AC	\$ 10,000
<hr/>	
3. LANDSCAPING	\$
<hr/>	
4. EROSION CONTROL - 5000 LF SILT FEN @ \$3.50/LF TEMP MULCH - TEMP GRASS - GRASSING	\$ 22,500
<hr/>	
5. DETOURS (incl. TEMP. BRIDGES)	\$
<hr/>	
SUBTOTAL	\$ 107,500

G. MISCELLANEOUS

1. LIGHTING	\$
<hr/>	
2. SIGNING - STRIPING	\$ 5,000
<hr/>	
3. GUARDRAIL -600 LF @ \$10.50/LF - 2 TP 11 ANCHORS @ \$1000/EA - 2 TP 1 ANCHORS @ \$750/EA	\$ 9,800
<hr/>	
4. OTHER - TRAFFIC CONTROL -	\$ 75,000
<hr/>	
SUBTOTAL	\$ 89,800

H. SPECIAL FEATURES

	\$
<hr/>	

ESTIMATE SUMMARY

A. RIGHT OF WAY \$ 135,000  
B. REIMBURSABLE UTILITIES \$ 9,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES \$ 826,512  
D. GRADING AND DRAINAGE \$ 164,350  
E. BASE AND PAVING \$ 315,750  
F. LUMP ITEMS \$ 107,500  
G. MISCELLANEOUS \$ 89,800  
H. SPECIAL FEATURES \$ \_\_\_\_\_

SUBTOTAL CONSTRUCTION COST \$ 1,503,912  
E & C (10%) \$ 150,391.20  
1 YR. INFLATION (5% per year) \$ 82,715.16  
TOTAL CONSTRUCTION COST \$ 1,737,018.36

GRAND TOTAL PROJECT COST \$ 1,881,018.36

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BHF-001-6 (43), Catoosa OFFICE Cartersville  
S.R. 3 Bridge Widening over  
Chickamauga Creek, P. I. 631505  
DATE November 27, 1995

FROM <sup>DW</sup> David L. Black, District Utilities Engineer  
TO Greg Parker, District Preconstruction Engineer  
Attention: Dennis Thompson

SUBJECT Preliminary Utility Cost Estimate

As requested, please find attached a Preliminary Utility  
Cost Estimate on file project.

	REIMBURSABLE	NON- REIMBURSABLE	LGPA
North Georgia EMC	\$4,800.00	.00	.00
Ringgold Telephone Co.	.00	.00	.00
Falcon Cable Television	\$3,200.00	.00	.00
City of Ringgold	.00	.00	\$19,200.00
Total Preliminary Utility Cost Estimate		\$27,200.00	

Cost of City/County owned utilities are usually borne by them. It is  
not D.O.T. policy to reimburse City/County utilities.

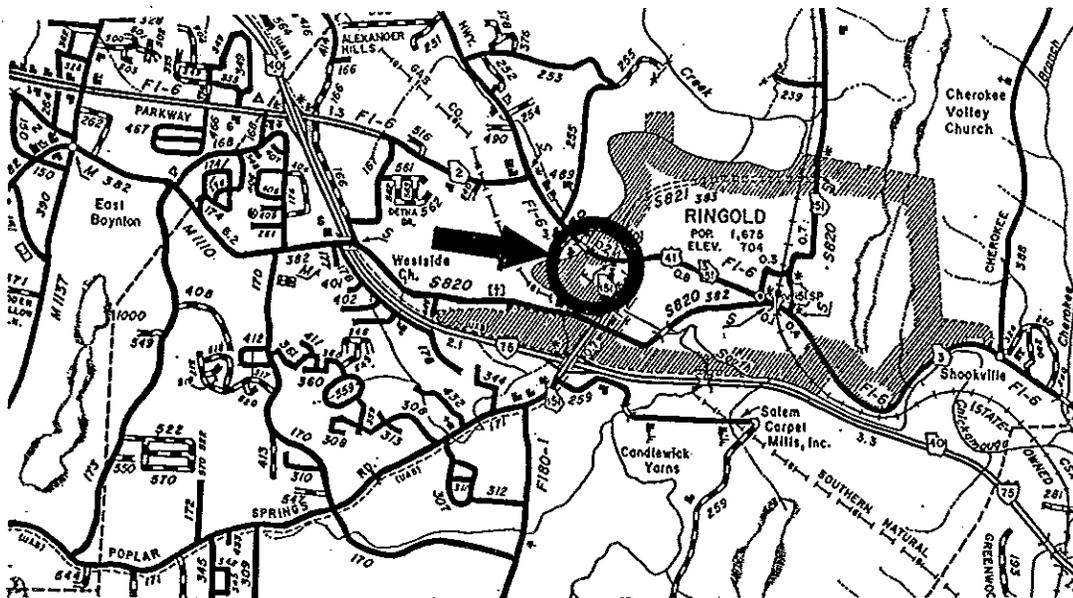
DLB/WPS/na  
Attachment  
C: Dudley Ellis  
Herman Griffin

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PROJECT CONCEPT REPORT

State Route 2, 3 Bridge Widening over W. Chickamauga Creek  
BHF-001-6(43) Catoosa County

Federal Route No.: F 1-6  
State Route No.: 2,3  
Ga. D.O.T. P.I. No.: 631505



DATE OF REPORT: December 14, 1995

### RECOMMENDATION FOR APPROVAL

12/6/95  
DATE

*Charles Low*  
DISTRICT ENGINEER

DATE  
12/28/95  
DATE

STATE ENVIRONMENTAL ENGINEER

STATE

*Bridge*

ENGINEER

D.O.T.66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BHF-001-6 (43) Catoosa Co.  
P.I. No. 631505

OFFICE Traffic Operations  
Atlanta, Georgia  
DATE December 29, 1995

FROM *ASR* Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Project Concept Report Review

RECEIVED

JAN 02 1996

PRECONSTRUCTION

We have reviewed the concept report on the above project for the proposed widening of a two lane bridge on S.R. 2, S.R. 3/US 41 at Chickamauga Creek in Ringold. The existing bridge and roadway will be widened from 60 m north of the bridge to S.R. 151 to a four lane section with a 6 m raised median. While we believe this concept will improve safety at this location we would recommend constricting the bridge to accommodate four lanes with a 6 m median and 3 m shoulders for a total of 26.4 m. With this we would find this report satisfactory for approval.

MGW:CKE

Attachment (signature page)

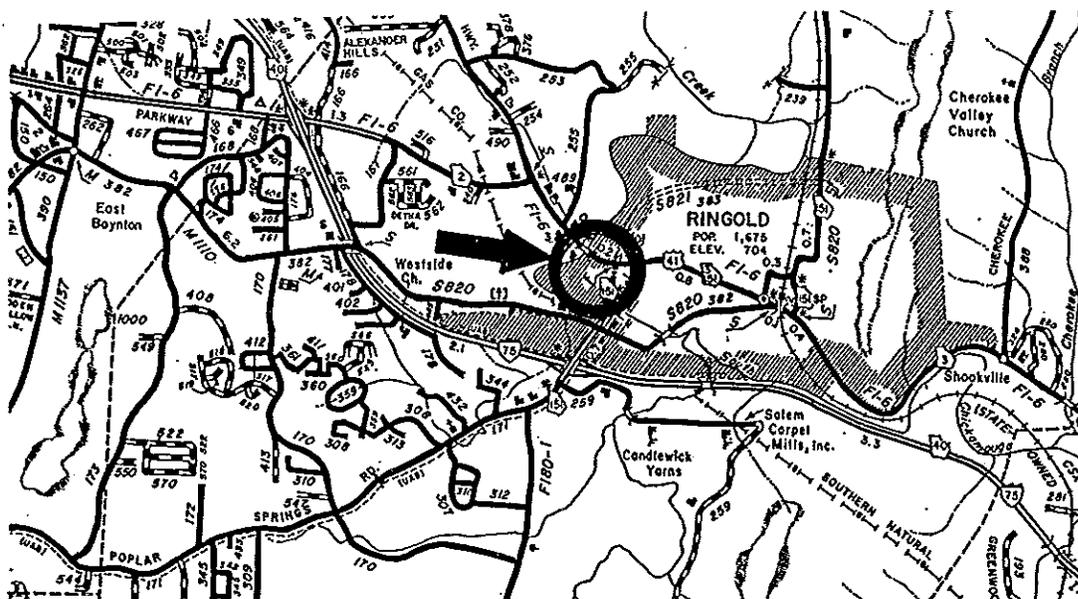
cc: David Studstill  
Charles Law District Engineer Cartersville  
Bob Mustin, w/attachment  
General Files

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## PROJECT CONCEPT REPORT

State Route 2, 3 Bridge Widening over W. Chickamauga Creek  
BHF-001-6(43) Catoosa County

Federal Route No.: F 1-6  
State Route No.: 2,3  
Ga. D.O.T. P.I. No.: 631505



DATE OF REPORT: December 14, 1995

### RECOMMENDATION FOR APPROVAL

12/16/95  
DATE

*Charles J. [Signature]*  
DISTRICT ENGINEER

DATE  
12/29/95  
DATE

STATE ENVIRONMENTAL ENGINEER  
*M. C. Waters, P.E.*  
STATE TRAFFIC OPERATIONS ENGINEER

REVISION REQUEST  
for the  
LONG RANGE PROGRAM

Authorization is requested to proceed with development of a project concept on the following project:

Action Requested: ADDITION TO THE PROGRAM

PROJECT DATA

County	Project No. P.I. No.	Type Work
CATOOSA	STP-2854(20) 642240	RECST. OR REHAB. WIDENING
Description: SR 3/US 41 FM SR 2 NORTHWESTLY TO SR 146		
Project Length = 5.75 Miles		

FUNDING INFORMATION

Estimated Cost (\$1,000's)	DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE \$159			LR		
ROW \$1,200			LR	9	6
CONST \$10,590	\$10,590	\$0	LR		
Fund 1 = 33C					
Fund 2 = 33D					

REASON FOR REVISION:

Requested by the State Planning Administrator

RECOMMENDED

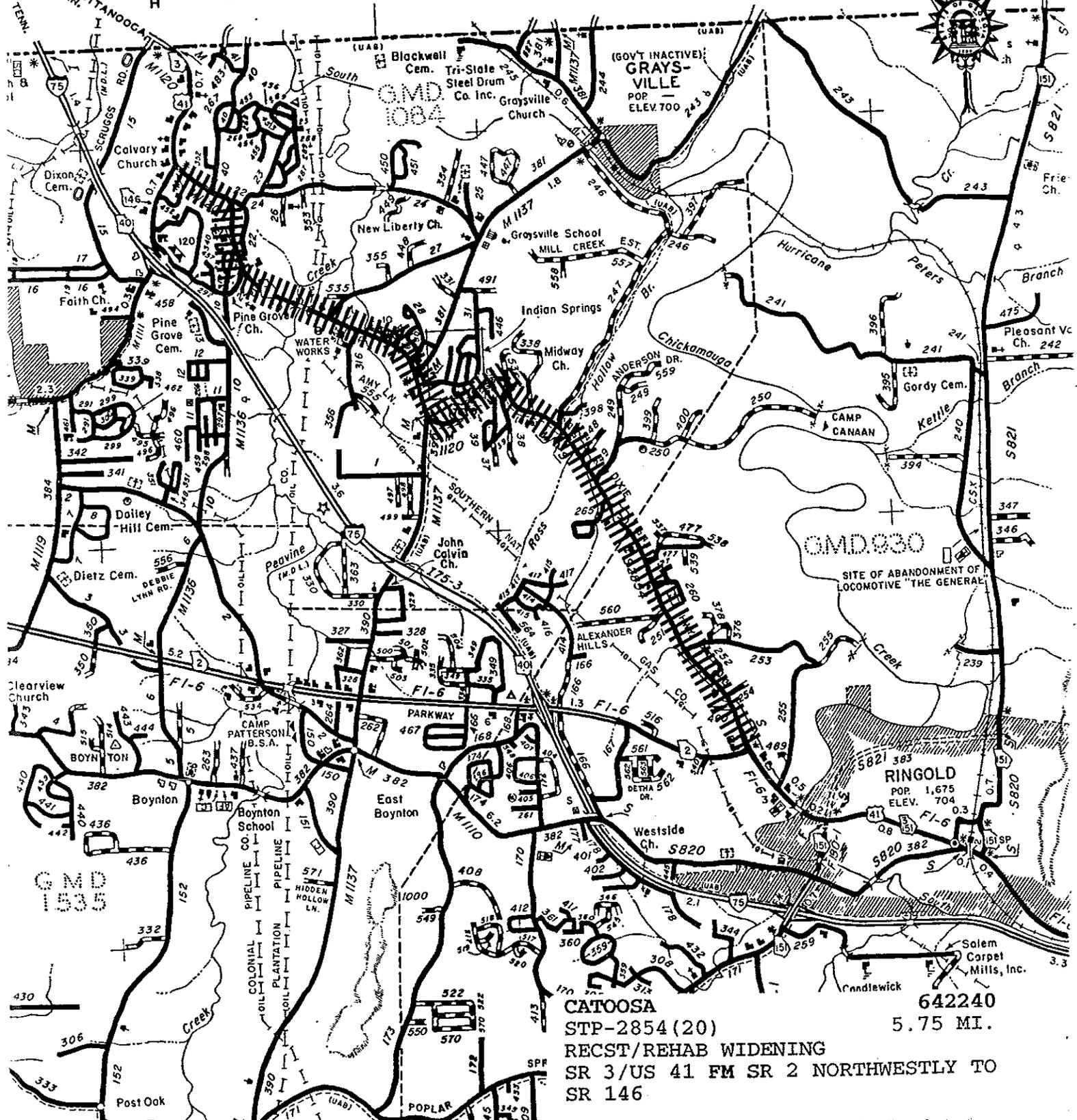
*Wayne Shalaska*  
\_\_\_\_\_  
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

APPROVED

*Wayne Shalaska*  
\_\_\_\_\_  
COMMISSIONER

2 000 000

# CATOOSA COUNTY



G.M.D. 1084

(GOV'T INACTIVE)  
GRAYSVILLE  
POP. —  
ELEV. 700

G.M.D. 930

SITE OF ABANDONMENT OF  
LOCOMOTIVE "THE GENERAL"

RINGOLD  
POP. 1,675  
ELEV. 704

G.M.D. 1535

CATOOSA  
STP-2854 (20)  
RECST/REHAB WIDENING  
SR 3/US 41 FM SR 2 NORTHWESTLY TO  
SR 146

642240  
5.75 MI.



CONGRESSIONAL DISTRICT: 7

DOT DISTRICT: 6

PRIORITY:

COUNTY: Catoosa

CITY:

PROJECT NAME: US 41/ SR 3

FED-AID: M - 1120  
S - 2854

PROJECT TERMINI: FROM: SR 2

TO: Tennessee state line *SR 146*

PROJECT DESCRIPTION: Add through lanes; improve horizontal alignmt.

Type Work: Widen/reconstruct

Length mi.: 6.5

Lanes: Existing: 2

Proposed: 4 with turn lanes  
as needed

TRAFFIC: Present: 4,200 - 10,200  
(1989)

Future: 6,300 - 16,800  
(2010)

CONSTRUCTION COST: \$ ~~10,214,100~~  
10,590,000

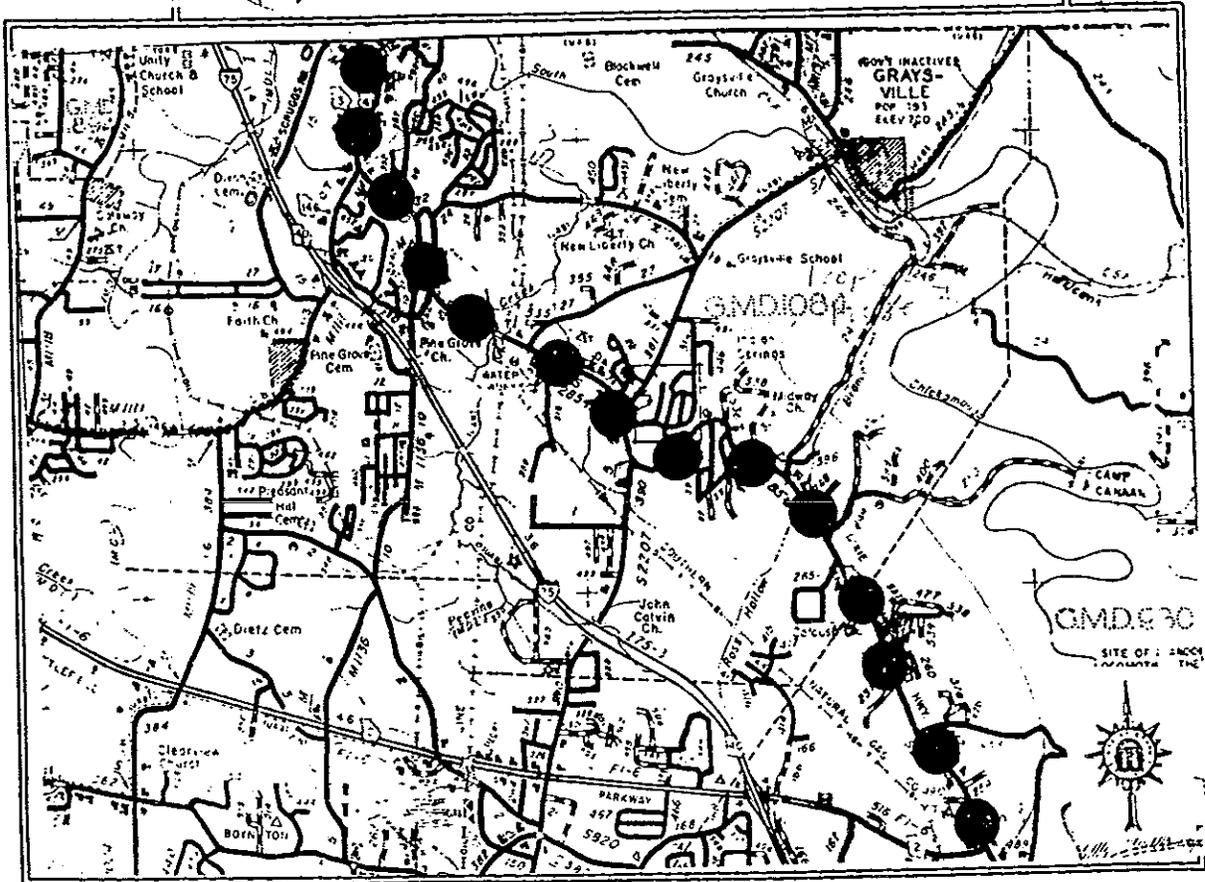
ROW COST: \$ 1,200,000

STATUS: Planning

YEAR NEEDED: 1995 - 2000<sup>+</sup>

COMMENTS: Improvement is needed to meet demands of heavy projected volumes. Volume is especially heavy at north end.

*this section is part of the program* PROJECT LOCATION



WWS

Project for addition to FY 99

Dougherty and Lee Counties (Albany)

1. Add PE for Slappy Blvd. between Tift and Colquitt
2. Add PE for SR 91/Philema Road from Graves Spring Road to SR 31
3. Add PE for Palmyra/Slappy/Stuart intersection
4. Add PE for Liberty Expressway @ Jefferson, westbound off- and on-ramps
5. Add PE for Liberty Expressway @ Jefferson, eastbound off-ramp  
(If PE can be done earlier, add CST in 99)
6. Add PE for Liberty Expressway @ Clarke Avenue, southbound off-ramp  
(If PE can be done earlier, add CST in 99)
7. Add PE for Liberty Expressway @ Moultrie Road, northbound on-ramp and southbound off-ramp.

Catoosa County (Chattanooga)

1. Add PE for SR 151 from Ringgold to Tennessee State Line
2. Add PE for US 41 from Ringgold to SR 146
3. Add PE for Graysville Road

Walker County (Chattanooga)

1. Add PE for SR 193 (TDOT is finally doing something on thier side)
2. Add PE for SR 146 from Lakeview Drive to US 27
3. Add PE from Lakeview Drive from SR 146 to US 27

Dade County (Chattanooga)

None

11-8-95  
 from Percy - The above is a list projects that  
 Planning would like to add. Please add all  
 phases as L.R.  
 [Signature]

WINNETT - PLS PROGRAM

REVISION REQUEST  
for the  
CONSTRUCTION WORK PROGRAM

In accordance with the Board Resolution dated August 16, 1973, Board approval is requested to revise the Construction Work Program for the project and activity outlined below:

Action Requested: ADDITION TO THE PROGRAM

PROJECT DATA

County	Project No. P.I. No.	Type Work
CATOOSA	BHF-001-6(43) 631505	RECST. OR REHAB. BRIDGES
Description: SR 2/US 41 @ SOUTH CHICKAMAUGA CREEK IN WEST RINGGOLD		
Project Length = 0.26 Miles		

FUNDING INFORMATION

Estimated Cost (\$1,000's)	DOT Share	Other Share	Fiscal Year	Cong. District	Field District
PE	\$8		1997		
ROW	\$0		NONE	9	6
CONST	\$450	\$450	1997		
Fund 1 = 118					
Fund 2 = 114					

REASON FOR REVISION:

Requested by the State Maintenance Engineer  
Bridge Structure ID number 47 9 0

RECOMMENDED

*Gregg Bonline*  
\_\_\_\_\_  
DIRECTOR, DIVISION OF PLANNING AND PROGRAMMING

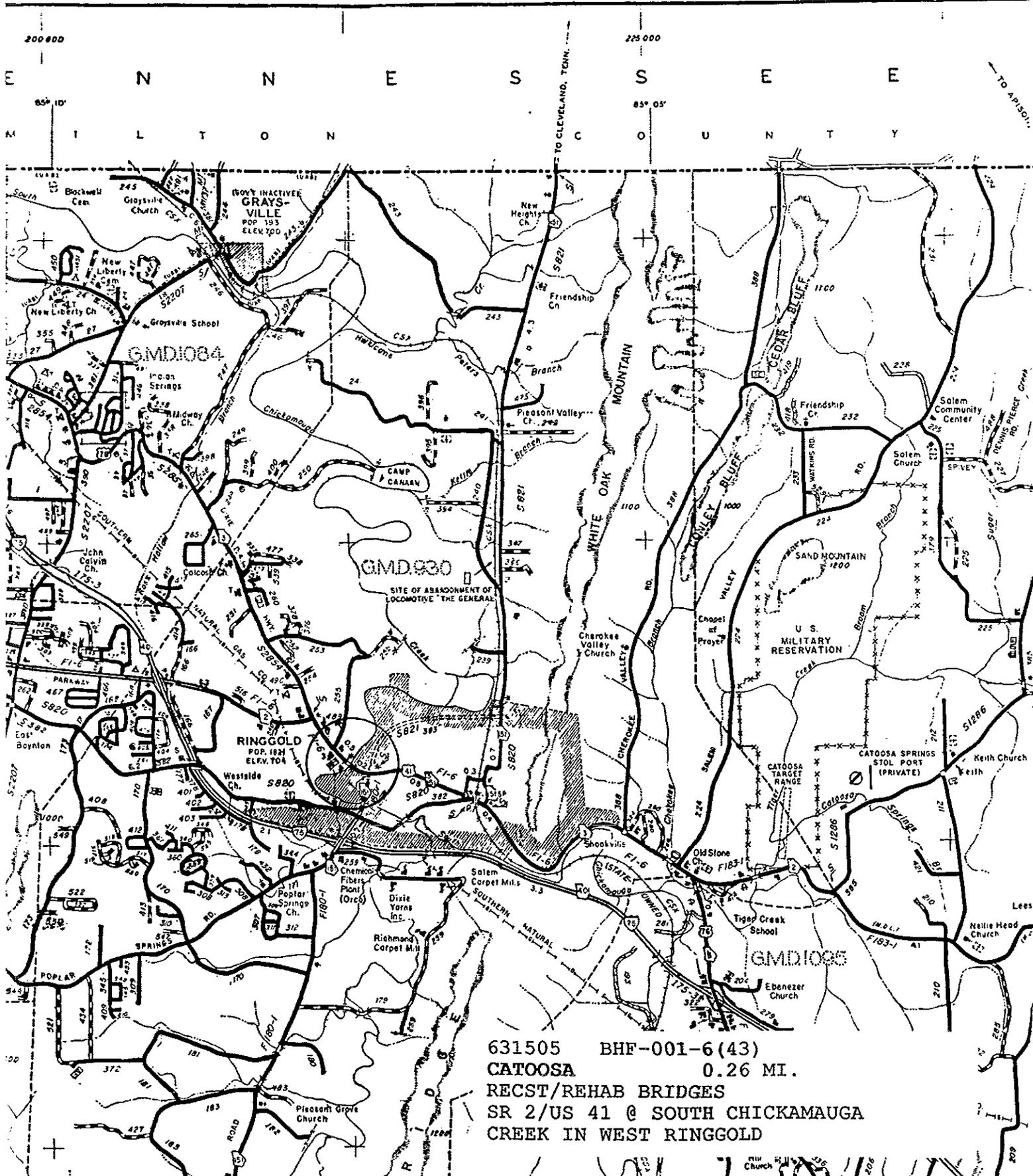
RECOMMENDED

*Wayne Shackelford*  
\_\_\_\_\_  
COMMISSIONER

GDOT BOARD
AUG 18 1994
APPROVED

CATOOSA Co.

047-00002-008.46E



631505 BHF-001-6(43)  
CATOOSA 0.26 MI.  
RECST/REHAB BRIDGES  
SR 2/US 41 @ SOUTH CHICKAMAUGA  
CREEK IN WEST RINGGOLD