

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1(40) Cherokee County OFFICE Preconstruction  
P.I. No. 620920 DATE September 16, 1991

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - SR 92 WIDENING

Attached for your files is the approval for subject project.

CWH/se

Attachment

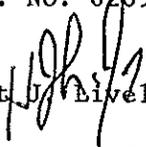
## DISTRIBUTION:

~~Hoyt Lively~~ FILES  
Robert E. Humphrey  
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Winn Guthrie  
Kirby Hamil  
Ron Colvin  
Felton Rutledge

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1(40) Cherokee County OFFICE Preconstruction  
P.I. No. 620920 DATE August 28, 1991

FROM Hoyt J.  Lively, Director of Preconstruction

TO Hal Rives, Commissioner

SUBJECT SR 92 WIDENING - PROJECT CONCEPT REPORT

This project is the widening and reconstruction of a 4.7 mile(±) section of SR 92 from Woodstock Road easterly to just west of I-575 south of Woodstock. The existing road is a 2 lane rural facility with variable width shoulder on 100' of right-of-way and has posted speeds of 45 & 55 MPH. There are no major structures. Base year and design year traffic is 29,000 VPD (1995) and 58,700 VPD (2015).

The proposed project will widen SR 92 between above termini to have basically 4 lanes w/44' grassed median except in the vicinity of the developed area at Bells Ferry Road where the section will have 6 lanes (3 each direction) w/20' raised median. Substandard vertical and horizontal alignment will be corrected to the posted & design speeds of 45 - 55 MPH. Traffic will be maintained on existing road during construction. Environmental considerations are: (1) displacements of 4 residences, 4 businesses & 1 mobile home; (2) 7 possible UST sites; (3) a public hearing will be held. The estimated cost of the project is:

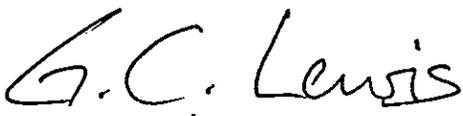
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$7,752,000	\$10,712,000	FY 93
Right-of-way	\$5,372,000	No Est.	Preprogram
Utilities	LGPA*	LGPA*	

\*LGPA to be sent after concept approval

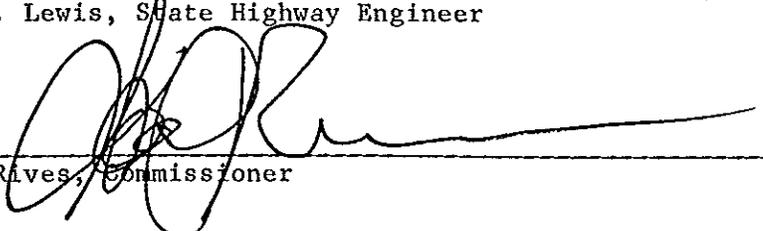
I recommend that we approve this project concept report, that the project be removed from Preprogram Status and added to the Construction Work Program for implementation.

HJL/WLP/se

CONCUR:

  
G. C. Lewis, State Highway Engineer

APPROVED:

  
Hal Rives, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED

JUL 24 1991

FILE FR-165-1 (40) Cherokee County OFFICE Atlanta, Georgia  
P.I. No. 620920  
SR 92 Widening 4.7 miles DATE July 22, 1991

FROM Robert E. Humphrey, Project Review Engineer **RE Humph**

TO William J. Durrence, Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project.

We have received signed cover sheets from the following offices:

Traffic and Safety

District Engineer

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$6,712,000
Inflation (5% per year)	335,600
E & C (10%)	704,760
Preliminary Engineering (5%)	352,380
Right of Way	<del>538,000</del> 5,372,000
Utilities	325,000

MJB/jmf

Attachments

c: Walker W. Scott, Jr.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

FR 165-1(40) CHEROKEE COUNTY  
SR 92 CORRIDOR  
ACWORTH TO WOODSTOCK ROAD

FEDERAL ROUTE NO:  
STATE ROUTE NO: S.R. 92  
GADOT P.I. NO: 620920

Date of Report: APR-05-1991

RECOMMENDATION FOR APPROVAL	
<u>May 8, 1991</u> DATE	<u>W. W. Woodstock</u> State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
DATE	District Engineer

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE



FILE FR165-1(40)Cherokee County  
PI 620920 SR 92

OFFICE Atlanta

DATE May 8, 1991

FROM *Walker W. Scott, Jr.*  
Walker W. Scott, Jr., State Road & Airport Design Engineer

TO Robert Humphrey, Project Review Engineer

SUBJECT Request Approval for Concept Report

In accordance with the plan development process, the report for the above project is attached for your review and processing.

WWS:JPB:hcc

Attachment

- cc: Juan Durrence
- Ron Colvin
- Felton Rutledge
- Frank Danchetz
- Wayne Hutto

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

FR 165-1(40) CHEROKEE COUNTY  
SR 92 CORRIDOR  
ACWORTH TO WOODSTOCK ROAD

FEDERAL ROUTE NO:  
STATE ROUTE NO: S.R. 92  
GADOT P.I. NO: 620920

Date of Report: APR-05-1991

RECOMMENDATION FOR APPROVAL	
<u>May 8, 1991</u> DATE	<u><i>Walter Wood</i></u> State Road & Airport Design Engineer
_____ DATE	_____ State Environmental Engineer
_____ DATE	_____ State Traffic & Safety Engineer
<u>5-14-91</u> DATE	<u><i>Felton D. Rutledge</i></u> District Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE

OFFICE Cartersville

DATE May 17, 1991

FROM

Felton D. Rutledge, District Engineer

TO

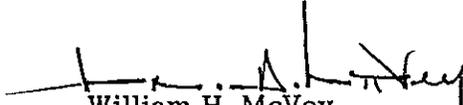
Robert Humphrey, Project Review Engineer

SUBJECT

CONCEPT REPORT APPROVAL

Attached is the approval sheet for the Concept Report on the above file project for your further handling.

If we may be of further assistance, please advise.

  
William H. McVey  
Preconstruction Engineer  
District Six

FDR:WHM:djd

Attachment

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA  
OFFICE OF ROAD AND AIRPORT DESIGN



PROJECT CONCEPT REPORT

FR 165-1(40) CHEROKEE COUNTY  
SR 92 CORRIDOR  
ACWORTH TO WOODSTOCK ROAD

FEDERAL ROUTE NO:  
STATE ROUTE NO: S.R. 92  
GADOT P.I. NO: 620920

Date of Report: APR-05-1991

RECOMMENDATION FOR APPROVAL	
<u>May 8, 1991</u> DATE	<u><i>Walter W. [Signature]</i></u> State Road & Airport Design Engineer
DATE	State Environmental Engineer
<u>5/30/91</u> DATE	<u><i>Ron [Signature]</i></u> State Traffic & Safety Engineer
DATE	District Engineer

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE



FILE FR-165-1 (40)  
Cherokee County  
P.I. No. 620920

OFFICE Atlanta,  
DATE May 28, 1991

FROM *RC* Ron Colvin, P.E., State Traffic & Safety Engineer

TO Robert E. Humphrey, P.E., Project Review Engineer

SUBJECT Project Concept Report Review

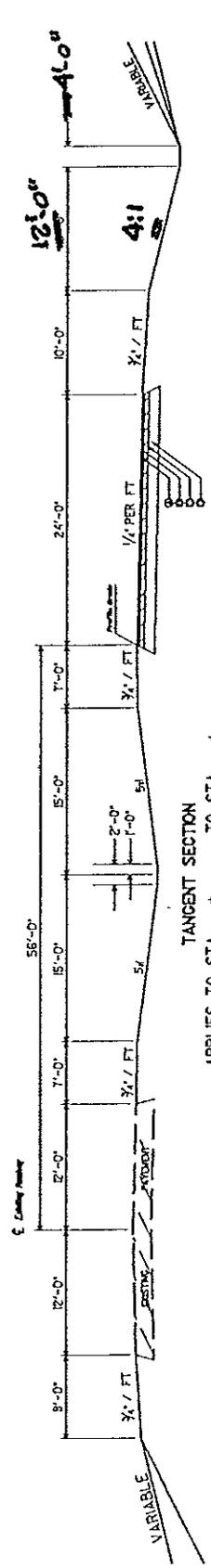
We have reviewed the concept report on the above project for the proposed widening of S.R. 92 from C.R. 768 to just west of I-575. The existing two-lane roadway will be widened to a four lane section with a 44 ft. depressed median. We believe this concept will improve safety and operational capacity along this section of roadway. We, therefore, find this report satisfactory for approval.

RC:CKE:lw  
Attachment (signature page)  
cc: Walker Scott; Felton Rutledge

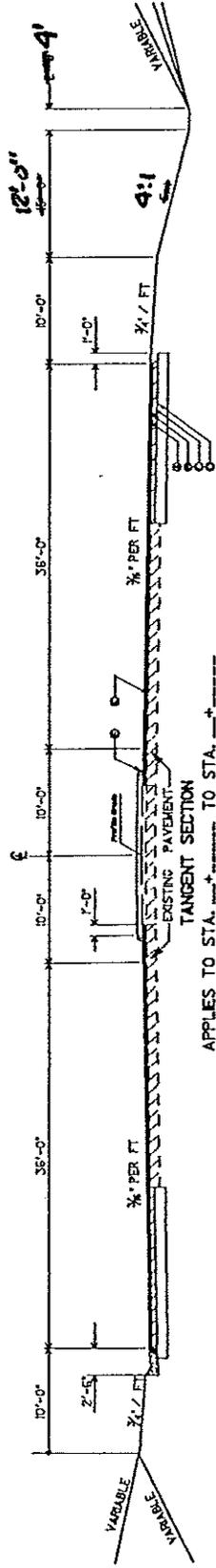


NO.	DATE	BY	REVISION

FR-165-(140) CHEROKEE



TANGENT SECTION  
 APPLIES TO STA. + TO STA. +



TANGENT SECTION  
 APPLIES TO STA. + TO STA. +



PROJECT NUMBER: FR 165-1(40)

PROJECT LOCATION & DESCRIPTION
<p>PROJECT FR 165-1 (40) BEGINS AT CR 768 AT OAK GROVE AND CONTINUES EAST ALONG SR 92 FOR 4.7 MILES TO A POINT JUST WEST OF I-575 IN CHEROKEE COUNTY.</p> <p>PROJECT LENGTH: 4.700 MILES</p>

TRAFFIC				
CURRENT		PROJECTED		
YEAR	AADT	YEAR	AADT	
<u>1995</u>	<u>29350</u>	<u>2015</u>	<u>58650</u>	

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MAJOR EXISTING	URBAN ARTERIAL

PROJECT NEED & PURPOSE
<p>SR 92 IS THE PRIMARY EAST-WEST CORRIDOR THROUGH THIS RAPIDLY DEVELOPING AREA PROVIDING ACCESS TO BOTH I-75 AND I-575. SR 92 IS FOR THE MOST PART A TWO LANE ROAD WITH POOR ALIGNMENT. THE MAJORITY OF THE COMMERCIAL DEVELOPMENT IN SOUTHWEST CHEROKEE IS LOCATED ALONG SR 92, GENERATING A HIGH VOLUME OF TURNING MOVEMENT AND CONGESTION.</p> <p>THE PROPOSED MULTI-LANING OF SR 92 WILL GREATLY IMPROVE ITS CAPACITY WHILE PROVIDING A SAFER ENVIRONMENT FOR THE MOTORIST WITH REDUCED TRAVEL TIME AND LESS CONGESTION.</p>

EXISTING ROADWAY

TYPICAL SECTION: TWO LANES RURAL

R/W WIDTH  
100'

POSTED SPEED  
45-55 MPH

MAX DEGREE OF CURVE  
7 DEG.

MAX GRADE  
6 %

MAJOR STRUCTURES:

- 1.
- 2.
- 3.

PROPOSED ROADWAY

TYPICAL SECTION: TWO LANES IN EACH DIRECTION WITH A  
DIVIDED 44 FOOT DEPRESSED GRASS MEDIAN

*# 3 lanes w/20ft raised median in developed  
area vicinity of Bell's Ferry Rd*

DESIGN SPEED  
45-55 MPH

MAX DEGREE OF CURVE;  
ALLOWABLE: 6.0  
PROPOSED: 4.5

MAX GRADE;  
ALLOWABLE: 4.5 %  
PROPOSED: 4.5 %

MAJOR STRUCTURES:

PROPOSED RIGHT OF WAY

R/W WIDTH  
160'

DISPLACEMENTS

RES.: 4 BUS.: 4 M.H.: 1

TYPE OF ACCESS CONTROL: ACCESS CONTROLLED BY PERMIT

COORDINATION

CONCEPT TEAM MEETING DATE: MAY 30, 1990  
LOCATION INSPECTION DATE: NONE  
PERMITS REQUIRED (4f, COE, 404, etc.): NONE ANTICIPATED  
LEVEL OF PUBLIC INVOLVEMENT: PUBLIC HEARING WILL BE HELD  
TIME SAVING PROCEDURES APPROPRIATE: N/A  
OTHER PROJECT IN THE AREA: FR-165-1(42)

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: PROJECT WILL BE CONSTRUCTED  
UNDER TRAFFIC  
LEVEL OF ENVIRONMENTAL ANALYSIS: EA  
DESIGN VARIATIONS REQUIRED: HORIZONTAL AND VERTICAL ALIGNMENT  
WILL BE CORRECTED, IF REQUIRED, TO MEET POSTED SPEED  
UNDERGROUND STORAGE TANKS: 7 SITES  
HAZARDOUS WASTE SITES: A SOIL SURVEY WILL BE REQUIRED

ALTERNATIVES CONSIDERED

1. NO BUILD. THE EXISTING FACILITY WILL REMAIN AS IS

ESTIMATED COST

CONSTRUCTION: \$ 6,711,400	RIGHT-OF-WAY: \$ 5,372,000
E & C (10) : \$ 671,140	ACQUIRED BY: GEORGIA DOT
INFLATION : \$ 1,107,381	UTILITIES : \$ 325,000
	ADJUSTED BY: LOCAL GOV
TOTAL CONSTRUCTION COST: \$ 8,489,921	

COMMENTS:

ATTACHMENTS:

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: FR-165-1(40)

COUNTY: CHEROKEE

DATE: MAR-07-1991

ESTIMATED LETTING DATE: JULY-1993

PREPARED BY: JOHN BISHOP

PROJECT LENGTH (MILE): 4.700

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement) \_\_\_\_\_ \$ 1,840,300

2. DISPLACEMENTS: Res. 4 Bus. 4 M.H. 1 \$ 101,300

3. OTHER COST (adm./court, inflation) \_\_\_\_\_ \$ 2,518,700

SUBTOTAL:A \$ 537,200

*Use 538,000*

B. REIMBURSABLE UTILITIES:

1. RAILROAD \_\_\_\_\_ \$ 0

2. TRANSMISSION LINES \_\_\_\_\_ \$ 80,000

3. SERVICES \_\_\_\_\_ \$ 245,000

SUBTOTAL:B \$ 325,000

C. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS \_\_\_\_\_ \$ 200,000

b. BRIDGES \_\_\_\_\_ \$ 0

c. DETOUR BRIDGES \_\_\_\_\_ \$ 0

d. BOX CULVERTS \_\_\_\_\_ \$ 40,000

SUBTOTAL:C-1 \$ 240,000



ESTIMATE SUMMARY

A. RIGHT-OF-WAY . . . . .	\$	<u>5,372,000</u>
B. REIMBURSABLE UTILITIES . . . . .	\$	<u>325,000</u>
C. CONSTRUCTION		
1. MAJOR STRUCTURES . . . . .	\$	<u>240,000</u>
2. GRADING AND DRAINAGE . . . . .	\$	<u>1,428,000</u>
3. BASE AND PAVING . . . . .	\$	<u>3,986,400</u>
4. LUMP ITEMS . . . . .	\$	<u>777,000</u>
5. MISCELLANEOUS . . . . .	\$	<u>280,000</u>
6. SPECIAL FEATURES . . . . .	\$	<u>0</u>
SUBTOTAL CONSTRUCTION COST . . . . .	\$	<u>6,711,400</u>
E. & C. (10%) . . . . .	\$	<u>671,140</u>
INFLATION (5% PER YEAR) . . . . .	\$	<u>1,107,381</u>
TOTAL CONSTRUCTION COST . . . . .	\$	<u>8,489,921</u>
GRAND TOTAL PROJECT COST . . . . .	\$	<u>14,186,921</u>

*Use 6,711,400*

**14,186,921**

Rodney R. Tarrer

DATE OF ESTIMATE: 5/29/90

BY: [Signature]

TYPE ESTIMATE: Preliminary

PROJECT: FR-165-1(40)Cherokee

P. I. 620920

EXISTING R/W 100'± REQUIRED R/W 120'±

ESTIMATED NUMBER OF PARCELS: 100±

PROJECT TERMINI: CR 768 (Woodstock Rd) - West End,  
Point just West of I-575 - East End

PROJECT DESCRIPTION: Widen SR 92 to 4 Lane with 20' or 44' Median as  
required Length 4.7 mile±

TYPE OF LAND USE: Agri-Res/Commercial VALUE APPLIED S.F. BASIS: \$2.70

656,600 S.F. at \$2.70/S.F. Say \$ 1,772,800

Const. Easements

125,000 S.F. at \$2.70/S.F. at 10% - 2 yrs \$ 67,500

TOTAL LAND COST: \$ 1,840,300

IMPROVEMENTS IMPACTED AND COST: (IF APPLICABLE) Total \$ 1,013,000

1 - Comm \$700,000.00 3 - Residences \$215,000.00; 1 - M. Home \$8000;

1 Sign \$500.00; Parking Spaces \$89,500.

RELOCATION COST: (IF APPLICABLE) Total \$ 110,000

5 Units at \$22,000 Each

CONSEQUENTIAL DAMAGES: (IF APPLICABLE) Total \$ 405,000

5 Units - Damaged

NET COST \$ 3,368,300

ADM./COURT COST FACTOR 45 % Say \$ 1,515,700

INFLATION FACTOR 10 % Say \$ 488,400

TOTAL COST \$ 5,372,400

Say \$ 5,372,000

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1(40 & (42) Cherokee County OFFICE Atlanta  
P.I. Nos. 620920 & 620940 DATE June 6, 1990

FROM Walker W. Scott, P.E., State Road & Airport Design Engineer

TO SEE DISTRIBUTION *WWS/RS*

SUBJECT Minutes of Concept Team Meeting

A concept team meeting was held in Room 444, Road Design Conference Room.

Persons in attendance included: Rep. William Hasty, Bob Williams, Bill McVey, Richard Schneider, Carol Spinks, John Richard, Ron Brown, Larry Pachoud, Carolyn Kitchings, Terri Tuberville, Steve Girardin, Bob Garder, Sonya Medling, Harrison Collett, David Mann, Terry Bryant, Ed Sullivan, Larry Staton, Marie Piper, David Ford, Timothy Earl, Tad Russell, John Morey, Glenn Williams and John Bishop.

**PROJECT DESCRIPTION:** Project FR-165-1(40) begins at CR 768 at Oak Grove and continues east along SR 92 for 4.7 miles to a point just west of I-575.

Project FR-165-1(42) begins at SR 92/I-75 interchange and continues east for approximately 3.4 miles along SR 92 to CR 768 at Oak Grove.

The proposed typical section consists of 2 lanes in each direction separated by a 44 foot depressed grassed median.

The following was reported by each team member:

**Planning:** A need and purpose statement was furnished.

**Location:** It was reported that mapping will be furnished by October, 1990.

**Environmental:** The tentative schedule for the location and design hearing is October, 1990.

Three historical houses are under investigation. Possible wetlands at Clark Creek.

**Utilities:** Utility cost estimates were furnished.

Page 3  
Concept Meeting  
June 6, 1990

DISTRIBUTION

Charles Lewis  
Juan Durrence  
J.B. Johnson  
Rodney Tarrer  
Ron Colvin  
Dudley Ellis  
Frank Danchetz  
Gene Skeen  
Robert Humphrey  
Jim Schell  
Frank Golder  
Representative William Hasty  
Bob Williams  
Bill McVey  
Richard Schneider  
Carl Spinks  
John Richard  
Ron Brown  
Larry Pachoud  
Carolyn Kitchings  
Terri Tuberville, Oglethorpe Power  
Steve Girardin, FHWA  
Bob Garder, AGLC  
Sonya Medling, Atlanta Gas Light  
Harrison Collett, Cherokee Co. Water  
David Mann, Welker & Assoc.  
Terry Bryant, Cobb EMC  
Ed Sullivan, GA. Natural Gas Co.  
Larry Staton, GA. Natural Gas Co.  
Marie Pipe, Southern Bell