

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1(42) Cherokee County OFFICE Preconstruction
P.I. No. 620940 DATE September 16, 1991

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

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - WIDENING & RECONSTRUCTION OF SR 92

Attached for your files is the approval for subject project.

CWH/se

Attachment

DISTRIBUTION:

- Hoyt Lively
- Robert E. Humphrey
- Herman Griffin
- David Studstill
- Roland Hinners
- Darrell Elwell
- Winn Guthrie
- Kirby Hamil
- Felton Rutledge

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1(42) Cherokee County
P.I. No. 620940

OFFICE Preconstruction

DATE September 11, 1991

FROM Hoyt J. Trively, Director of Preconstruction

TO Hal Rives, Commissioner

SUBJECT WIDENING & RECONSTRUCTION OF SR 92 - PROJECT CONCEPT REPORT

This project is the widening and reconstruction of a 3.4 mile section of SR 92 to include approximately 1.3 miles on new location, all between I-75 and Woodstock Road. The existing road has a two lane rural section with the exception of a 0.5 mile(±) section at beginning of project which has a section with 4 lanes (2 each direction) w/20' raised median. There are no major structures within the project limits. Base year and design year traffic is 29,400 VPD (1995) and 60,000 VPD (2015).

The proposed project will widen the 1/2 mile existing 4 lane w/20' median at beginning of project to have 6 lanes (3 each direction) w/20' median. From this point to the end of project, the typical section will be rural with 4-12' lanes (2 each direction) w/44' depressed grass median. The section on new location extends from near James Dupree Lane to near Hunt Road (1.3 miles(±)). Horizontal and vertical alignment will be corrected to the 45 MPH design speed as required. Environmental considerations are: (1) displacement of 3 residences, 3 businesses and 1 mobile home; (2) COE 404 for minor structure extensions; (3) three UST sites; (4) a public hearing will be held. Traffic will be maintained on existing road during construction. The estimated cost of the project is:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$5,977,000	\$8,137,000	FY 94
Right-of-way	\$2,755,000	No Est.	Preprogram
Utilities	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 and proceed to a public hearing.

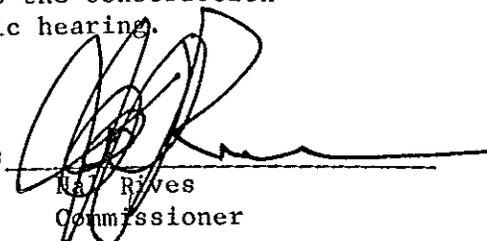
HJL/WLP/se

CONCUR:



G. C. Lewis
State Highway Engineer

APPROVED:



Hal Rives
Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIARECEIVED
JUL 15 1991

INTERDEPARTMENT CORRESPONDENCE

FILE FR-165-1 (42) Cherokee County OFFICE Atlanta, Georgia
P.I. No. 620940
SR 92 Corridor: Acworth to Woodstock DATE July 12, 1991

FROM Robert E. Humphrey, Project Review Engineer **REH**

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 a signed cover sheet from the following office:

Environmental

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$4,940,000
Inflation (5% per year) x 2 yrs.	494,000
E & C (10%)	543,400
Preliminary Engineering (5%)	271,700
Right of Way	2,755,000
Utilities	186,250

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 (42) CHEROKEE COUNTY
SR 92 CORRIDOR
ACWORTH TO WOODSTOCK ROAD

FEDERAL ROUTE NO:
STATE ROUTE NO: SR 92
GADOT P.I. NO: 620940

Date of Report: APR- 8-1991

RECOMMENDATION FOR APPROVAL	
<u>April 30, 1991</u> DATE	<u>Walker Woodcock</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 FR-165-1(42)Cherokee County
SR 92- PI # 620940

OFFICE Atlanta

DATE May 1, 1991

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

TO Robert Humphrey, Project Review Engineer

SUBJECT 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

cc: Juan Durrence
Wayne Hutto
Felton Rutledge
Frank Danchetz

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



PROJECT CONCEPT REPORT

FR-165-1(42) - CHEROKEE
SR 92 CORRIDOR
ACWORTH TO WOODSTOCK

FEDERAL ROUTE NO:
STATE ROUTE NO: SR 92
GADOT P.I. NO: 620940

Date of Report: APR- 8-1991

RECOMMENDATION FOR APPROVAL

DATE

6/5/91

State Road & Airport Design Engineer

DATE

State Environmental Engineer

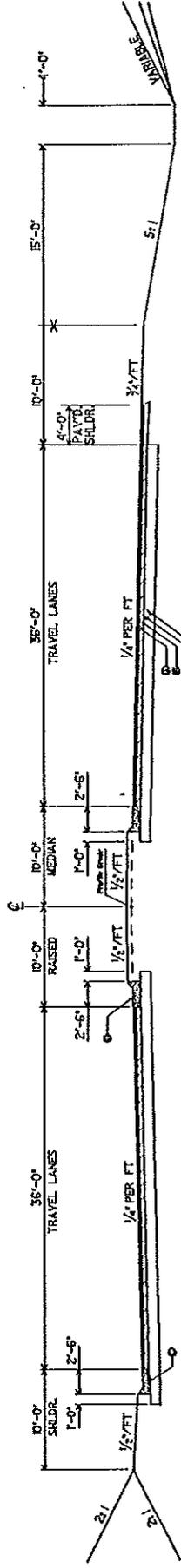
DATE

State Traffic & Safety Engineer

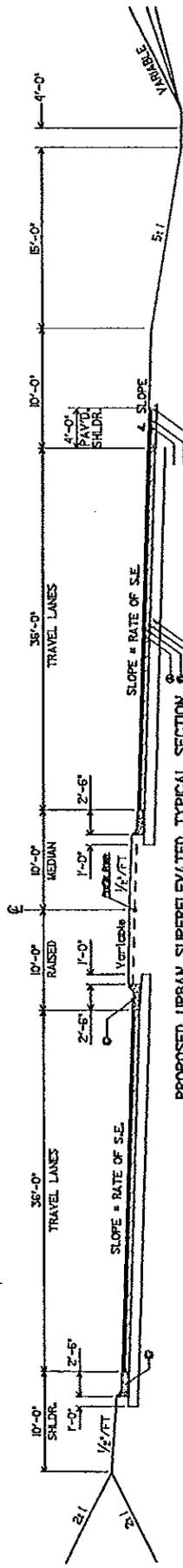
DATE

District Engineer

DATE	SCALE	PROJECT
	1/4" = 1'-0"	FR-165-1142



PROPOSED URBAN TANGENT TYPICAL SECTION
 20 FT. RAISED MEDIAN
 APPLIES FROM I-75 TO APPROX. 1/2 MILE NORTH OF I-75

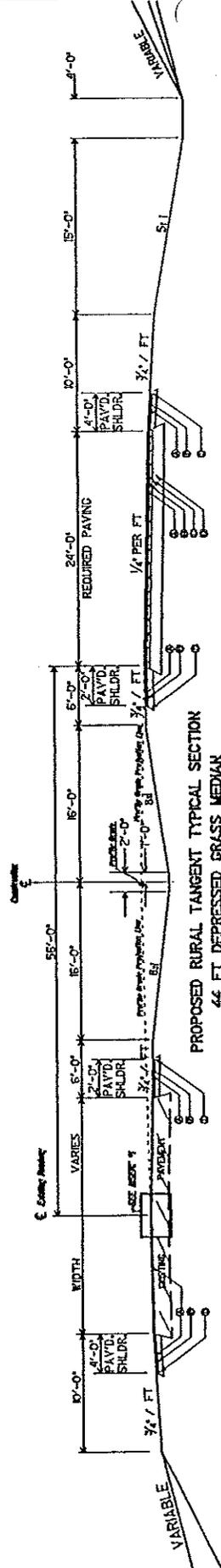


PROPOSED URBAN SUPERELEVATED TYPICAL SECTION
 20 FT. RAISED MEDIAN
 APPLIES FROM I-75 TO APPROX. 1/2 MILE NORTH OF I-75

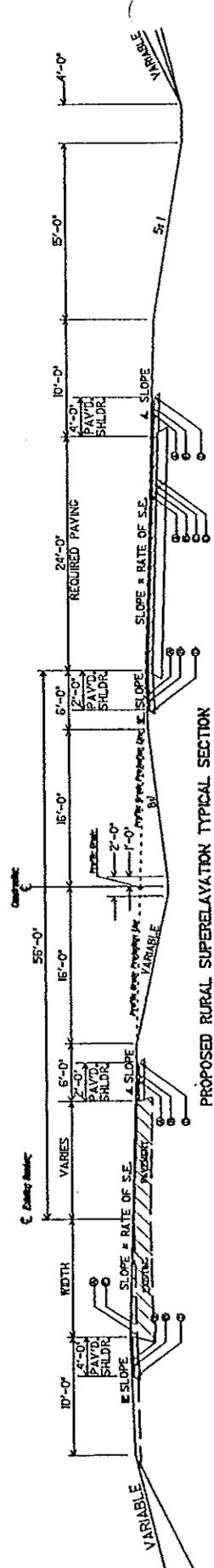
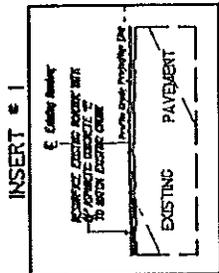
SCALE: HORIZ.: 1" = 5'
 VERT.: 1" = 5'

TYPICAL SECTIONS
 FR-165-1142
 CHEROKEE COUNTY
 S.R. 92

PROJECT NUMBER	FR-165-1(42)
DATE	
SCALE	



PROPOSED RURAL TANGENT TYPICAL SECTION
44 FT DEPRESSED GRASS MEDIAN
APPLIES FROM 1/2 MILE NORTH OF I-75 TO END OF PROJECT



PROPOSED RURAL SUPERELEVATION TYPICAL SECTION
44 FT DEPRESSED GRASS MEDIAN
APPLIES FROM 1/2 MILE NORTH OF I-75 TO END OF PROJECT



TYPICAL SECTIONS
FR-165-1(42)
CHEROKEE COUNTY
S.R. 92

PROJECT CONCEPT REPORT

PROJECT NUMBER: FR 165-(42)

PROJECT LOCATION & DESCRIPTION

PROJECT FR-165-(42) BEGINS JUST NORTH OF THE I-75/SR 92 INTERCHANG AND CONTINUES EAST ALONG SR 92 FOR 3.4 MILES TO C.R. 768 WITH THE EXCEPTION OF NEW LOCATION FROM APPROXIMATELY JAMES DUPREE LANE TO APPROXIMATELY HUNT ROAD - RELOCATED.

PROJECT LENGTH: 3.400 MILES

TRAFFIC

CURRENT

PROJECTED

YEAR
1995

AADT
29350

YEAR
2015

AADT
60000

PDP CLASSIFICATION

FUNCTIONAL CLASSIFICATION

EXISTING MAJOR

URBAN MAJOR ARTERIAL

PROJECT NEED & PURPOSE

S.R. 92 IS THE PRIMARY EAST-WEST CORRIDOR THROUGH THIS RAPIDLY DEVELOPING AREA PROVIDING ACCESS TO BOTH I-75 AND I-575. S.R. 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 MOVEMENTS AND CONGESTION. 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.

EXISTING ROADWAY

TYPICAL SECTION: 2 LANES RURAL EXCEPT FOR A SHORT R/W WIDTH SECTION OF 4 LANES WITH A 20 FT MEDIAN FROM I-75 100 FT TO APPROXIMATELY 0.5 MILE NORTH OF I-75

<u>POSTED SPEED</u> 55 MPH	<u>MAX DEGREE OF CURVE</u> 7.00 DEG.	<u>MAX GRADE</u> 6.00 %
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MAJOR STRUCTURES:

- 1.
- 2.
- 3.

PROPOSED ROADWAY

TYPICAL SECTION: THREE LANES IN EACH DIRECTION WITH A 20 FT RAISED MEDIAN FROM BEGIN PROJECT TO APPROXIMATELY 0.5 MILE NORTH AND TWO LANES IN EACH DIRECTION WITH A DIVIDED 44 FOOT DEPRESSED GRASS MEDIAN TO END PROJECT.

<u>DESIGN SPEED</u> 45 MPH	<u>MAX DEGREE OF CURVE;</u> ALLOWABLE: 6.00 DEG. PROPOSED: 4.00 DEG.	<u>MAX GRADE;</u> ALLOWABLE: 4.00 % PROPOSED: 4.00 %
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MAJOR STRUCTURES:

PROPOSED RIGHT OF WAY

R/W WIDTH
160 FT

DISPLACEMENTS

RES.:3 BUS.:3 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.): 404 ANTICIPATED

LEVEL OF PUBLIC INVOLVEMENT: A PUBLIC HEARING WILL BE HELD

TIME SAVING PROCEDURES APPROPRIATE: NO

OTHER PROJECT IN THE AREA: FR 165-1(40) & FR 165-(55)

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.

UNDERGROUND STORAGE TANKS: 4 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: \$ 4,939,450	RIGHT-OF-WAY: \$ 2,755,000
E & C (10) : \$ 493,945	ACQUIRED BY: D.O.T.
INFLATION : \$ 0	UTILITIES : \$ 186,250
	ADJUSTED BY: LGPA
TOTAL CONSTRUCTION COST: \$ 5,433,395	

--- COMMENTS:

ATTACHMENTS: SKETCH MAP; TYPICAL SECTION; COST ESTIMATE

2. GRADING AND DRAINAGE:

a. EARTHWORK	_____	\$	968,450
b. DRAINAGE:			
1) Cross Drain Pipe (exc.box culverts)	_____	\$	100,000
2) Curb and Gutter	_____	\$	0
3) Longitudinal System(incl.catch basins)	_____	\$	0

SUBTOTAL:C-2 \$ 1,068,450

3. BASE AND PAVING:

a. AGGREGATE BASE	<u>80,300</u> [#] <u>x11</u>	\$	883,300
(specify type of base)			
b. ASPHALT PAVING:			
Surface	_____	\$	339,900
Binder	_____	\$	460,800
Base	_____	\$	930,000

SUBTOTAL:C-3.b \$ 1,730,700

c. CONCRETE PAVING	_____	\$	10,000
d. OTHER	_____	\$	310,000

SUBTOTAL:C-3 \$ 2,934,000

4. LUMP ITEMS:

a. TRAFFIC CONTROL	_____	\$	60,000
b. CLEARING AND GRUBBING	_____	\$	432,000
c. LANDSCAPING	_____	\$	0
d. EROSION CONTROL	_____	\$	60,000
e. DETOURS	_____	\$	0

SUBTOTAL:C-4 \$ 552,000

5. MISCELLANEOUS:

a. LIGHTING	_____	\$	0
b. SIGNING - STRIPING - SIGNAL	_____	\$	120,000
c. GUARDRAIL	_____	\$	70,000
d. SIDEWALK - MEDIAN BARRIER	_____	\$	30,000

SUBTOTAL:C-5 \$ 220,000

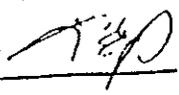
6. SPECIAL FEATURES	_____	\$	<u>0</u>
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SUBTOTAL:C-6 \$ 0

ESTIMATE SUMMARY

A. RIGHT-OF-WAY	\$	<u>2,755,000</u>	
B. REIMBURSABLE UTILITIES	\$	<u>186,250</u>	
C. CONSTRUCTION			
1. MAJOR STRUCTURES	\$	<u>165,000</u>	
2. GRADING AND DRAINAGE	\$	<u>1,068,450</u>	
3. BASE AND PAVING	\$	<u>2,934,000</u>	
4. LUMP ITEMS	\$	<u>552,000</u>	
5. MISCELLANEOUS	\$	<u>220,000</u>	
6. SPECIAL FEATURES	\$	<u>0</u>	
SUBTOTAL CONSTRUCTION COST	\$	<u>4,939,450</u>	Use 4,940,000
E. & C. (10%)	\$	<u>493,945</u>	
INFLATION (5% PER YEAR)	\$	<u>0</u>	
TOTAL CONSTRUCTION COST	\$	<u>5,433,395</u>	
GRAND TOTAL PROJECT COST	\$	<u>8,374,645</u>	

Rodney R. Tar

BY: L.E. Pachoud, Jr 

DATE OF ESTIMATE: 5/29/90

TYPE ESTIMATE: Preliminary

PROJECT: FR-165-1(42)Cherokee

.I. 620940

EXISTING R/W 100± & New Location REQUIRED R/W 120±

ESTIMATED NUMBER OF PARCELS: 70±

PROJECT TERMINI: I-75 - West End
CR 768 (Woodstock Road) - East End

PROJECT DESCRIPTION: Widen SR 92 to 4 Lane with 20' or 44' median as required Length 3.4 miles±

TYPE OF LAND USE: Agri-Res/Commercial VALUE APPLIED S.F. BASIS: \$0.90
1,242,500 S.F. at \$0.90/S.F. Say \$ 1,118,300.00

Const. Easements
90,000 S.F. at \$0.90/S.F. - 10% - 2 yrs \$ 16,200.00
\$ 1,134,500.00

TOTAL LAND COST: Total \$ 495,000.00

IMPROVEMENTS IMPACTED AND COST: (IF APPLICABLE)
2 Commercial \$260,000; 2 - Residences \$185,000.00;
2 - Monopole signs \$50,000.00

RELOCATION COST: (IF APPLICABLE) Total \$ 88,000.00

4 Units at 22,000 Each Total \$ 10,000.00

CONSEQUENTIAL DAMAGES: (IF APPLICABLE)
Residence - proximity (Slope) \$ 1,727,500.00

NET COST
ADM./COURT COST FACTOR 45 % Say \$ 777,400.00
INFLATION FACTOR 10 % Say \$ 250,500.00
TOTAL COST \$ 2,755,400.00
Say \$ 2,755,000.00

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/Rev*

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

Page 2
Concept Meeting
June 6, 1990

Marie Piper with Southern Bell will work with other utility owners to see if hiring a consultant to locate all existing utilities is feasible.

Traffic and Safety: No report from this office.

Right of Way: Right of way cost were furnished.

Schedule: Schedules were furnished by the District Office.

Representative William Hasty recommends that the intersection at SR 92 and Woodstock Road be wide enough to accommodate traffic from I-75. Representative Hasty recommends that an interchange be added to I-75 at Woodstock Road.

WWS:JPB:bc