

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(24) Clayton County OFFICE Preconstruction
P.I. No. 721480 DATE April 13, 1990

FROM *JB* J. B. Johnson, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL - WIDENING OF SR 138

Attached for your files is the approval for subject project.

JBJ/se

Attachment

DISTRIBUTION:

Charles Lewis
Robert E. Humphrey
Frank Danchetz
Gene Skeen
Walker Scott
Herman Griffin
Ron Colvin
Paul Mullins

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(24) Clayton County OFFICE Preconstruction
P.I. No. 721480 DATE April 6, 1990

FROM  G. C. Lewis, Director of Preconstruction

TO Hal Rives, Commissioner

SUBJECT WIDENING OF SR 138 - PROJECT CONCEPT REPORT

This project is the widening of a 2.75 mile section of SR 138 east of Jonesboro to provide a multilane facility from Walt Stephens Road easterly to the Clayton/Henry County Line. The existing road has 2 lanes and 6'(\pm) shoulders on 80' of right-of-way and has a posted speed of 55 MPH. There are no major structures within the project limits. Current and future traffic is 12,700 VPD (1995) and 21,800 VPD (2015).

The proposed project will widen existing SR 138 between above termini to provide 4-12' lanes (2 each direction) with a 44' grassed median with 10' outside shoulders (2' paved) and 6' median shoulders (2' paved). The east end of subject project ties into the beginning of project FR-164-1(22) Henry County. Widening will be non-symmetrical and will shift sides as necessary to achieve 55 MPH design speed and to reduce impacts to adjacent property. Substandard vertical and horizontal curves will be corrected to 55 MPH design speed. Median crossovers will be provided at selected intersections and other locations. Some proposed cross-overs are located less than the required 0.5 mile separation in order to provide adequate access. Environmental considerations are: (1) COE 404; (2) displacements of 4 residences, 4 commercial, 29 parking spaces, 1 swimming pool; (3) three possible UST sites. 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)	\$4,430,000	\$9,400,000	FY 94
Right-of-way	\$3,806,000	No Est.	
Utilities	\$1,337,500*	No Est.	

*To be LGPA - not sent

Hal Rives
Page 2
April 6, 1990

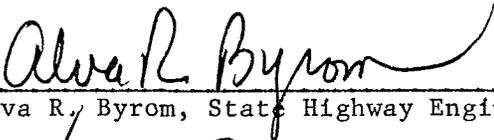
FR-164-1(24) Clayton County

I recommend that we approve this project concept report and the project be removed from Preprogram Status. Since this project is a companion to and ties into project FR-164-1(22) Henry County, I recommend that the two projects be combined and reprogrammed as one project to be added to the Construction Work Program. A public hearing will be held.

GCL/WLP/se

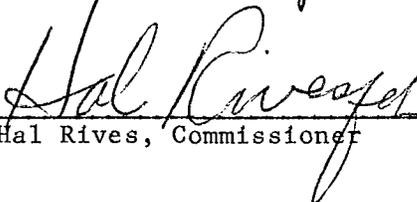
Attachment

CONCUR:



Alva R. Byrom, State Highway Engineer

APPROVED:



Hal Rives, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED

APR -5 1990

INTERDEPARTMENT CORRESPONDENCE

PRECONSTRUCTION

FILE FR-164-1 (24) Clayton County
P.I. No. 721480
Widening SR 138 From Walt Stephens Road
Eastward to Henry/Clayton County Line

OFFICE Atlanta, Georgia

DATE April 3, 1990

FROM Robert E. Humphrey, Project Review Engineer

TO G. C. Lewis, 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:

- 1. Traffic and Safety
- 2. Environmental
- 3. District 7 Engineer
- 4. District 3 Engineer

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$3,356,000
Inflation (5%)x 4 yrs.	671,200
E & C (10%)	402,720
Preliminary Engineering (5%)	201,360
Right of Way	3,806,000
Utilities	1,337,500

MJB/jmf

Attachments

c: Walker W. Scott, Jr.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

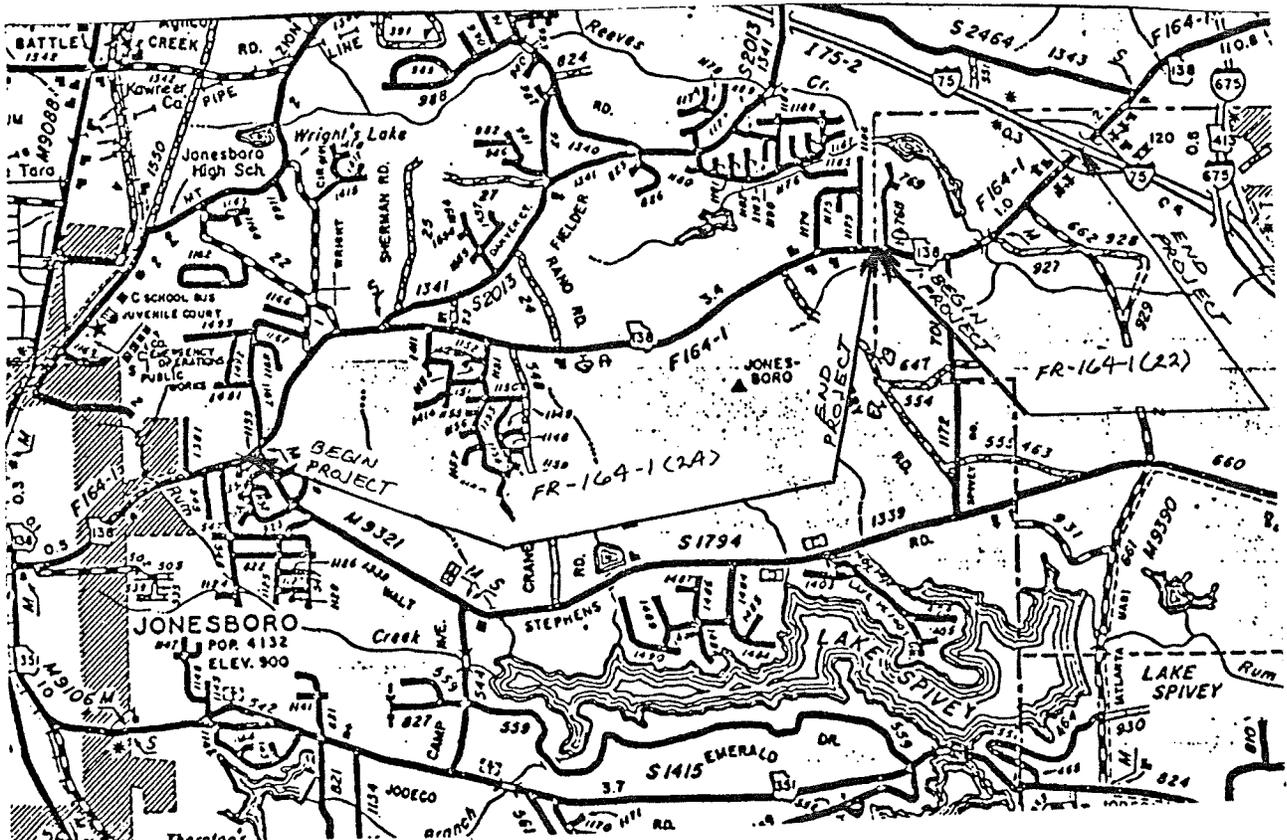


PROJECT CONCEPT REPORT

FR-164-1(24)

CLAYTON COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 138
GADOT P.I. NO: 721480



Date of Report: Jan-23-1990

RECOMMENDATION FOR APPROVAL

Jan 31, 1990
DATE

Walker W. Scott
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-164-1(24) Clayton County
P.I. No. 721480

OFFICE Atlanta, Georgia

DATE January 25, 1990

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

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

SUBJECT Project Concept Report Approval

Attached is a copy of the project concept report of the above project for your review and further handling. If there are any additional questions, please contact Ron Braziel (656-5400) of this office

WWS:RDB
Attachments

cc: G. Charles Lewis
J. B. Johnson, w/att
Frank Danchez, w/att
Ron Colvin, w/att
Edwin Thompson, w/att
Paul Mullins, w/att

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

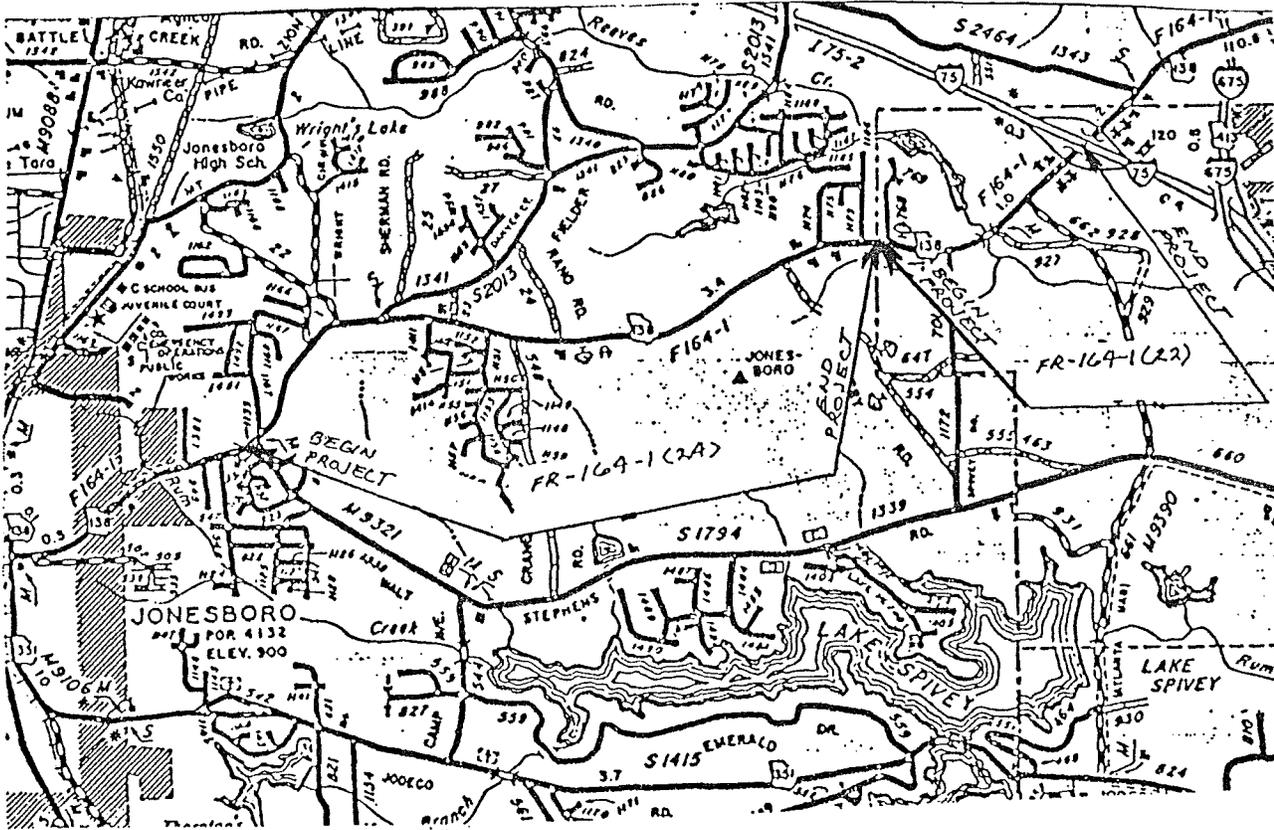


PROJECT CONCEPT REPORT

FR-164-1(24)

CLAYTON COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 138
GADOT P.I. NO: 721480



Date of Report: Jan-23-1990

RECOMMENDATION FOR APPROVAL

DATE Jan 31, 1990 Walker W. Scott
State Road & Airport Design Engineer

DATE _____ State Environmental Engineer

DATE _____ State Traffic & Safety Engineer

DATE _____ Dustin J. [Signature]
District Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE FR-164-1(24), Clayton
FR-164-1(22), Henry
P.I.#s 721480 & 321790

OFFICE District Seven
Chamblee, Georgia

DATE March 2, 1990

FROM Paul V. Mullins, P.E., Metro District Engineer

TO Robert E. Humphrey, Project Review Engineer - Engineering Services

SUBJECT REVIEW OF PROJECT CONCEPT

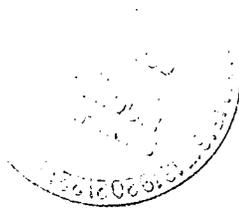
The proposed concept to widen S.R. 138 to four lanes with a 44 foot wide median will improve capacity and safety. We concur with this concept for the roadway from Jonesboro to I-75 in Clayton and Henry Counties.

Attachment

cc: Walker Scott
Edwin Thomson - Thomaston
Ron Colvin

Roland Hinners
Roland Hinners, P.E.
District Preconstruction Engineer

PVM:RH:kmp



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

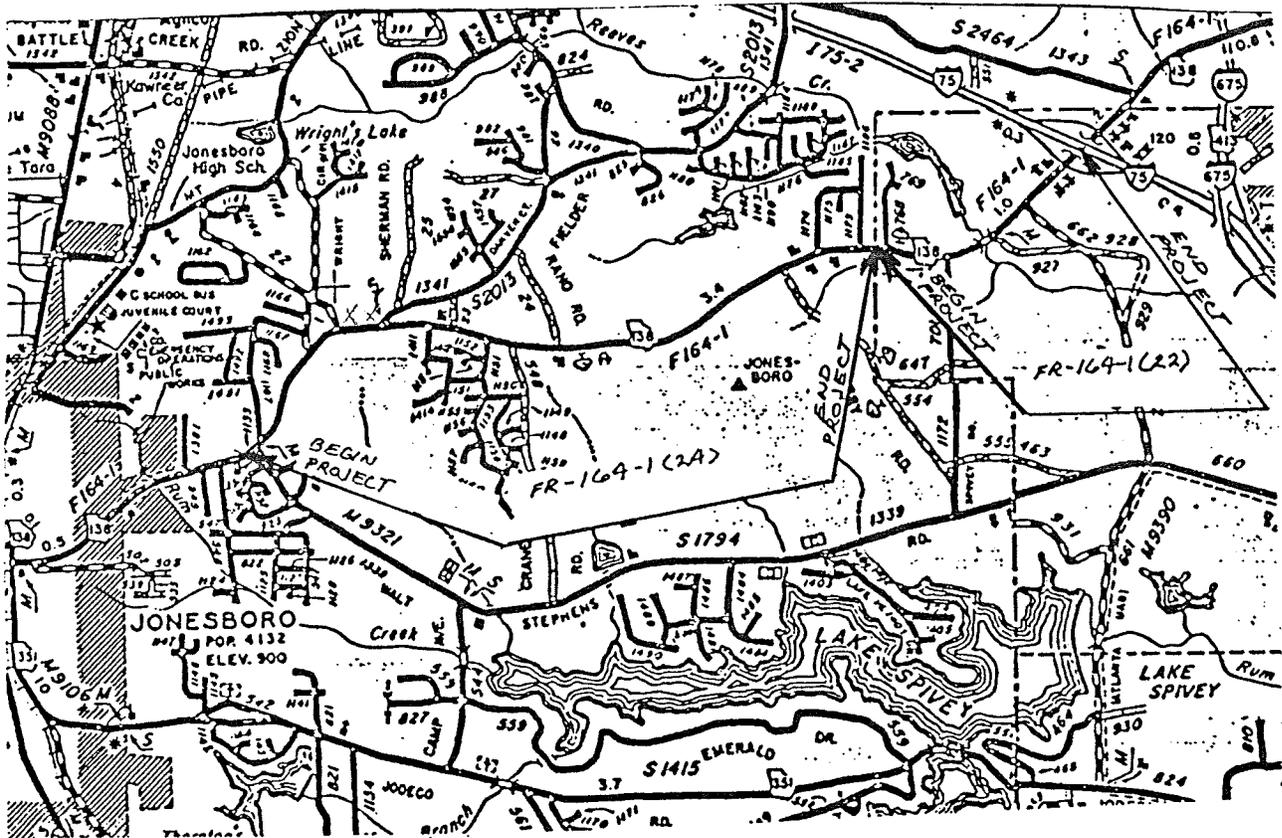


PROJECT CONCEPT REPORT

FR-164-1(24)

CLAYTON COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 138
GADOT P.I. NO: 721480



Date of Report: Jan-23-1990

RECOMMENDATION FOR APPROVAL

Jan 31, 1990
DATE

Walker W. Scott
State Road & Airport Design Engineer

Feb 7, 1990
DATE

Frank D. Dandridge
State Environmental Engineer

DATE

State Traffic & Safety Engineer

DATE

District Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

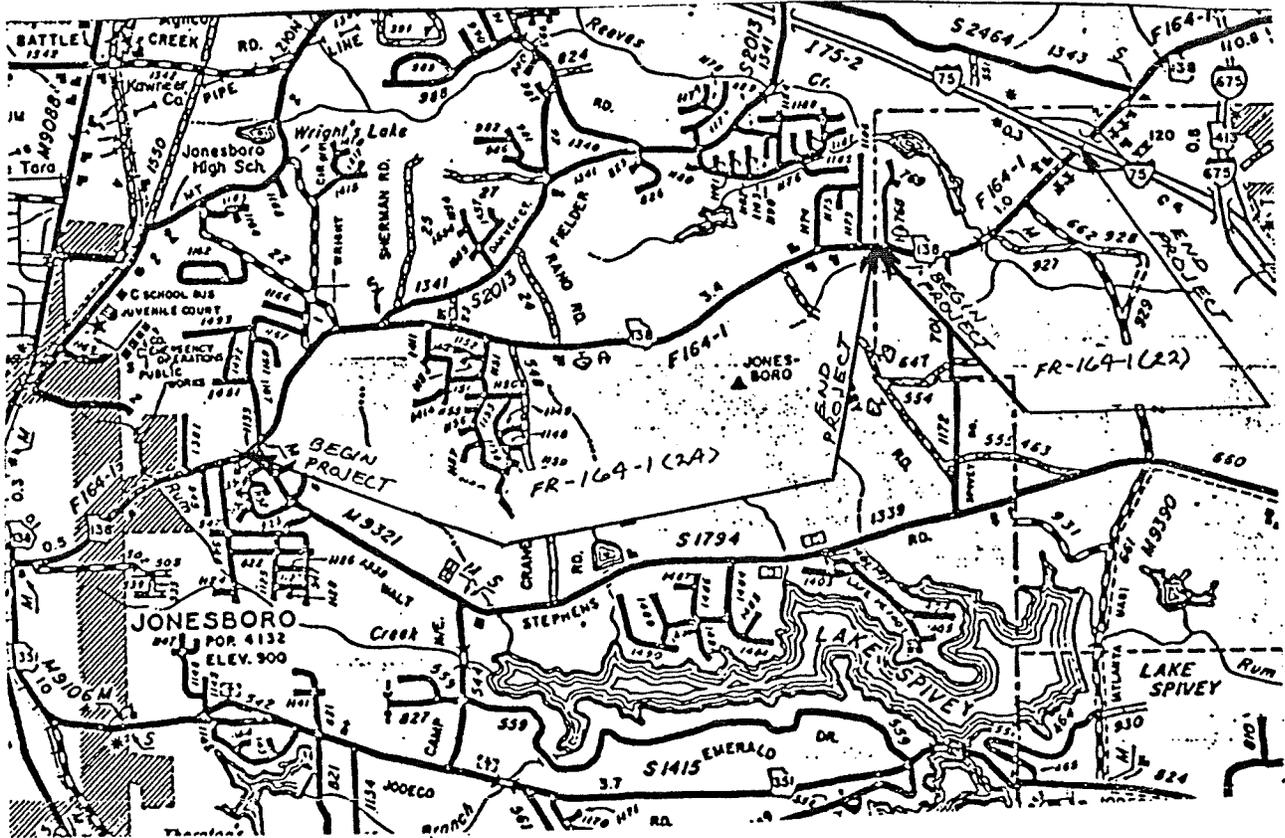


PROJECT CONCEPT REPORT

FR-164-1(24)

CLAYTON COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 138
GADOT P.I. NO: 721480



Date of Report: Jan-23-1990

RECOMMENDATION FOR APPROVAL

Jan 31, 1990
DATE

Walker W. Scott
State Road & Airport Design Engineer

DATE

State Environmental Engineer

DATE

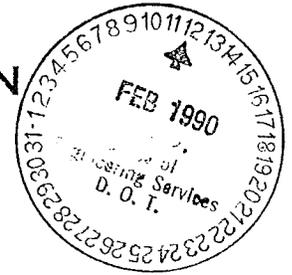
State Traffic & Safety Engineer

DATE

Edwin C. Thompson
District Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE **OFFICE** Thomaston

DATE February 9, 1990

FROM Edwin L. Thompson, District Engineer *RGB*

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

SUBJECT Project Concept Report Approval
FR-164-1 (24) Clayton County
P.I. No. 721480

Attached is signed copy of Concept Report on the above project for your use and further handling.

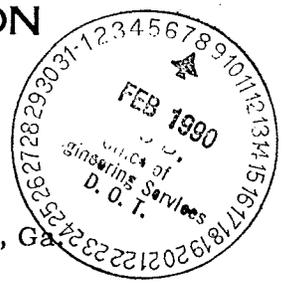
RGB:ejw

Attachment



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE FR-164-1 (24)
Clayton County
P.I. No. 721480

OFFICE Atlanta, Ga.
DATE February 6, 1990

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. 138 from Walt Stephens Road to the Henry County line. 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 roadway. We, therefore, concur with the attached report.

JJD:CKE:lw

Attachment (signature page)

cc: Walker Scott; Paul Mullins - Chamblee; Edwin Thompson - Chamblee

PROJECT CONCEPT REPORT

F.I. NO: 721480

PROJECT NO: FR-164-1(24)

CLAYTON COUNTY

PREVIOUS PROJECT NO.: N/A

ROUTE NO: US / SR138

LOCATION: SR 138 FROM WALT STEPHENS ROAD EAST TO THE HENRY COUNTY LINE

TRAFFIC: CURRENT ADT: 12720 (1995)

PROJECTED ADT: 21810 (2015)

EXISTING TYPICAL SECTION: 2-LANE WITH APPROXIMATELY 6' GRASSED SHOULDERS AND DITCHES LEFT AND RIGHT; EXISTING R/W IS 80 FEET.

EXISTING MAJOR STRUCTURES: NONE

STATEMENT OF NEED AND PURPOSE OF PROJECT: SR 138 IS A PRIMARY EAST-WEST ARTERIAL WHICH PROVIDES ACCESS TO I-75 AND I-675 FOR THE CITY OF JONESBORO. RAPIDLY EXPANDING RESIDENTIAL DEVELOPMENTS LOCATED ALONG FIELDER ROAD, SR 138 AND WALT STEPHENS ROAD HAVE GENERATED HIGH TRAFFIC VOLUMES ALONG SR 138. COMMERCIAL DEVELOPMENT HAS ALSO LOCATED ALONG SR 138 NEAR I-75 TO SERVE THE GROWING RESIDENTIAL POPULATION. THIS COMMERCIAL DISTRICT ALSO CONTRIBUTES TO HIGHER TRAFFIC VOLUMES ON SR 138. THE PROPOSED PROJECT WILL PROVIDE THE INCREASED CAPACITY NEEDED TO SERVE THE EXISTING AND PROJECTED TRAFFIC VOLUMES ALONG SR 138.

LENGTH: 2.750 (MILES)

BEGINNING: AT WALT STEPHENS ROAD

ENDING: THE HENRY/CLAYTON COUNTY LINE

PDP CLASS.: MAJOR, EXISTING LOCATION

FUNCTIONAL CLASS.: RURAL ARTERIAL

MAX DEGREE OF CURVE: 5 DEG.

MAX GRADES: 4 %

DESIGN SPEED: 55 MPH

PROPOSED TYPICAL SECTION: 4-LANE DIVIDED WITH A 44' DEPRESSED MEDIAN WITH 10 SHOULDERS (4' PAVED) AND DITCHES LEFT AND RIGHT ON 160' MINIMUM R/W

MAJOR STRUCTURES: NONE

TYPE ACCESS: CONTROLLED BY DRIVEWAY PERMIT

TRAFFIC CONTROL DURING CONSTRUCTION: PROJECT WILL BE BUILT UNDER TRAFFIC

ESTIMATED COST:

ITEM:	TOTAL AMOUNT
R/W_____	\$ 3,800,000
UTILITIES_____	1,337,500
SUBTOTAL_____	5,137,500
CONSTRUCTION_____	3,355,835
INFLATION_____	553,712
E&C (10%)_____	355,584
TOTAL CONSTRUCTION_	\$ 4,245,132

PERMITS REQUIRED:404

LEVEL OF ENVIRONMENTAL ANALYSIS:ENVIRONMENTAL ASSESSMENT

LEVEL OF PUBLIC INVOLVEMENT:PUBLIC HEARING

TIME SAVING PROCEDURES APPROPRIATE: YES () NO (X)

DESIGN VARIANCES REQUIRED:NONE

ALTERNATIVES CONSIDERED:NO BUILD

OTHER PROJECTS IN AREA IR-75-2(155)CT.2

CONCEPT TEAM MEETING HELD:JANUARY 4, 1990 .
PRESENT:SEE ATTACHED CONCEPT TEAM MEETING MINUTES

FIELD REVIEW HELD:NOT HELD AT THIS TIME

COMMENTS: RELOCATION ARE 4 RESIDENTIAL BUILDINGS, 4 COMMERICAL BUILDINGS
29 PARKING SPACES AND 1 SWIMMING POOL; THERE ARE 3 POSSIBLE
UST SITES; ANY SUB-STANDARD VERTICAL OR HORIZONTAL CURVE WILL
BE CORRECTED

PRELIMINARY COST ESTIMATE

PREPARED BY: RON BRAZIEL

DATE: Jan-23-1990

ESTIMATED LETTING DATE: Mar-25-1994

PROJECT NO: FR-164-1(24)

COUNTY: CLAYTON

P.I. NO: 721480

MILEAGE: 2.750

PROJECT DESCRIPTION: WIDENING AND RECONSTRUCTION OF SR 138 FROM WALT STEPHENS ROAD EASTWARD TO THE HENRY/CLAYTON COUNTY LINE

PROPOSED CONCEPT: 4-LANE DIVIDED WITH A 44' DEPRESSED MEDIAN, 10 SHOULDERS (4' PAVED), AND DITCHES LEFT AND RIGHT
EXISTING ROADWAY (IF APPLICABLE): 2-LANE WITH DITCHES LEFT AND RIGHT

TRAFFIC: EXISTING: 12720 (1995) DESIGN: 21810 (2015)

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

PROJECT COSTS

A. RIGHT-OF-WAY:

1. PROPERTY (land & easements) _____	\$ 1,305,000
1,450,000 S.F. @ \$0.90	
2. DISPLACEMENTS _____	\$ 883,000
IMPROVEMENTS IMPACTED = \$672,000	
RELOCATION = \$176,000	
CONSEQUENTIAL DAMAGES = \$35,000	
3. OTHER COST (adm./court, inflation) _____	\$ 1,612,000
ADM/COURT COST = \$981,000	
INFLATION = \$631,000	
	SUBTOTAL: _____ \$ 3,800,000

B. REIMBURSABLE UTILITIES:

1. RAILROAD _____	\$ 0
2. TRANSMISSION LINES _____	\$ 0
3. SERVICES _____	\$ 1,337,500
	SUBTOTAL: _____ \$ 1,337,500

C. MAJOR STRUCTURES:			
1.	RETAINING WALLS	\$	0
2.	BRIDGES	\$	0
3.	DETOUR BRIDGES	\$	0
4.	BOX CULVERTS	\$	0
	SUBTOTAL:	\$	0
D. GRADING AND DRAINAGE			
1.	EARTHWORK:	\$	375,000 ✓
	150,000 CY @ \$2.50		
2.	DRAINAGE:		
a.	Cross Drain Pipe (exc box culverts)	\$	225,500 ✓
	2.75 MILES @ \$82,000		
b.	Curb and Gutter	\$	0
c.	Longitudinal System (incl catch basins)	\$	0
	SUBTOTAL:	\$	600,500 ✓
E. BASE AND PAVING:			
1.	Aggregate Base	\$	505,050 ✓
	10" GRADED AGGREGATE		
	48,100 TON @ \$10.50		
2.	Asphalt Paving	\$	1,126,500 ✓
	1.5" ASPH. CONC. E = 9750 TON @ \$30.00		
	2" ASPH. CONC. B = 10800 TON @ \$30.00		
	4" ASPH. CONC. BASE = 17000 TON @ \$30.00		
3.	Concrete Paving	\$	0
4.	Other	\$	42,525 ✓
	LEVELING = 1,170 TON @ \$30.00		
	TACK COAT = 9900 GAL @ \$0.75		
	SUBTOTAL:	\$	1,674,075 ✓

E. LUMP ITEMS:

1. TRAFFIC CONTROL	\$	150,000
2. CLEARING AND GRUBBING 23.3 ACRES @ \$4,700	\$	109,510
3. LANDSCAPING 2.75 MILES @ \$51,000	\$	140,250
4. EROSION CONTROL 2.75 MILES @ \$48,000	\$	132,000
5. DETOURS	\$	0
SUBTOTAL:		\$ 531,760

G. MISCELLANEOUS:

1. LIGHTING	\$	0
2. SIGNING - STRIPING 2.75 MILES @ \$37,000	\$	101,750
3. GUARDRAIL	\$	5,000
4. SIGNAL - SIDEWALK - MEDIAN BARRIER 2.75 MILES @ \$161,000	\$	442,750
SUBTOTAL:		\$ 549,500

H. SPECIAL FEATURES: \$ 0

ESTIMATE SUMMARY
=====

A. RIGHT-OF-WAY _____ \$ 3,800,000
B. REIMBURSABLE UTILITIES _____ \$ 1,337,500

CONSTRUCTION ESTIMATE SUMMARY
=====

C. MAJOR STRUCTURES _____ \$ 0
D. GRADING AND DRAINAGE _____ \$ 600,500
E. BASE AND PAVING _____ \$ 1,674,075
F. LUMP ITEMS _____ \$ 531,760
G. MISCELLANEOUS _____ \$ 549,500
H. SPECIAL FEATURES _____ \$ 0

SUBTOTAL CONSTR COST _____ \$ 3,355,835
E. & C. (10%) _____ \$ 355,584
INFLATION (5% PER YEAR) _____ \$ 553,712
TOTAL CONSTRUCTION COST _____ \$ 4,245,132

Use 3,356,000

GRAND TOTAL PROJECT COST _____ \$ 9,382,632
=====

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-164-1(24) &(22) Clayton/Henry Cos. OFFICE Atlanta, Georgia
P.I. Nos. 721480 & 321780 DATE January 4, 1990

FROM Walker W. Scott, Jr., P.E., State Road & Airport Design Engineer WWS/DKE

TO Distribution Below

SUBJECT Concept Meeting Minutes

A concept meeting on the above project was held in the Office of Road & Airport Design on Thursday, January 4, 1990.

Persons in attendance included: Walker Scott, Don Emery, Ron Braziel, Jerry Morris, and Sidney Afsher from Road & Airport Design; Frank Golder from Programming; Del Clippard from Traffic & Safety; Darrell Elwell from Planning; John Richards from Environmental/Location; J.B. Johnson from Pre-Construction; Larry Pachoud from Right-of-Way; Wade Brannon from Clayton County; Debi Gibby and Jack Lenderman from the 7th District; Brady Bentley and Marvin Helms from 3rd District.

PROJECT DESCRIPTION: Project FR-164-1(24) Clayton County and Project FR-164-1(22) Henry County consist of widening and reconstruction of SR 138 from Walt Stephens Road east to I-75, from a 2-lane roadway to a 4-lane divided highway with a 44 ft. wide depressed median and ditches left and right for a length of 4.1 miles in Clayton and 0.6 miles in Henry County.

Layouts of aerial photographs with the proposed concept were discussed. It was decided to reduce required right-of-way to save a church. It was stated that all substandard horizontal and vertical curve sight distance deficiencies will be corrected. Alternate locations of median crossovers were discussed. Due to some proposed crossovers being less than 1/2 mile apart; approval of the Division Director will be required.

Wade Brannon of Clayton County, requested that the Department reduce the required right-of-way as much as possible. He also requested that he be furnished a right-of-way cost estimate for the proposed concept and a reduced width median.

The possible locations of underground storage tanks were discussed. Several sites may exist. No landfill impacts are expected.

The representatives from Location, Right-of-Way, District 7, and Clayton County requested a copy of the concept layout.

(continued)

PAGE 2
Concept Meeting
January 4, 1990

The proposed ending of the project at I-75 was discussed. A decision was made to provide for a 5-lane roadway under I-75 probably by an addition to the I-75 contract presently awarded.

WWS:RDB:bc

DISTRIBUTION

Frank Golder
Del Clippard
Darrell Elwell
John Richards
J.B. Johnson
Jack Lenderman
Grady Bentley

7402

STATE	PROJECT NUMBER
GA.	

