

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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## INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-441(35) Coffee County **OFFICE** Preconstruction  
P.I. No. 421905 **DATE** June 15, 1992

**FROM** *CW Hutto*  
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:

John Lively  
Bob Humphrey  
David Studstill  
Herman Griffin  
George Boulineau  
Darrell Elwell  
Ron Colvin  
Roland Hinners  
Paul Liles  
Shell Hartley

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441(35) Coffee County OFFICE Preconstruction  
P.I. No. 421905 DATE June 8, 1992

FROM Hoyt J. Lively, Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT APPROVAL

This project proposes the major widening and reconstruction of US 441 through the City of Broxton. The project length is 1.89 miles and this project is a part of the Governor's Road Improvement Program.

Through Broxton, the base year traffic (1997) is 7500 ADT and the design year traffic (2017) is 12,600 ADT. The existing roadway has 2 lanes with rural shoulders and within the City of Broxton, the existing typical section is 2 lanes urban. The posted speed limit is 35 and 45 MPH. There are no major structures within the construction limits.

Beginning at the south city limits of Broxton the proposed typical section will add 2 additional lanes with a 44' divided median to US 441 and extend northward to Railroad Avenue. Beginning at Railroad Avenue a one-way pair system is proposed and will extend to the north city limits. Railroad Avenue which is east and north of US 441 will carry northbound traffic through the city and the southbound traffic will be routed along existing US 441. Railroad Avenue will be reconstructed with an urban typical section with 34' of paving on a minimum right-of-way width of 60'. North of Hester Street, the northbound one-way street will be constructed on new location with a rural typical section requiring a minimum of 100' of right-of-way. The existing US 441 will require only signing and striping except at County Road 707 where a small amount of vertical reconstruction will be required. Also the north intersection of SR 268 will be realigned to provide a more direct connection with Railroad Avenue. Traffic will be maintained on existing roads and crossroads during construction.

The estimated costs of construction for this project are:

|                  | <u>PROPOSED</u> | <u>APPROVED</u> | <u>PROG. DATE</u> |
|------------------|-----------------|-----------------|-------------------|
| Constr(Infl&E/C) | \$3,600,000     | \$4,882,000     | None              |
| Right-of-way     | \$1,131,000     | \$1,000,000     | 94-12             |
| Utilities        | \$ 7,500        | ---             |                   |

The LGPA is on hold for construction funding.

Wayne Shackelford  
Page 2  
June 8, 1992

EDS-441(35) Coffee County

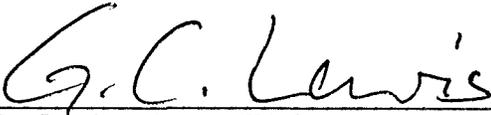
Environmental considerations include: (1) the displacement of 5 residences and 1 commercial property; (2) an Environmental Assessment will be prepared; (3) a public hearing is to held; (4) a COE 404 permit will be required. Wetland impacts are anticipated to be less than 1 acre; (5) no known USTs nor hazardous waste sites at this time; (6) there are several historical structures within the City of Broxton, none of which will be displaced by this concept.

I recommend that this project concept report be approved for a one-way pair system along US 441 through the City of Broxton.

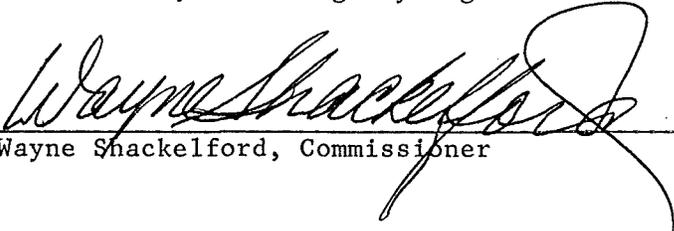
HJL/CWH/se

Attachment

CONCUR: \_\_\_\_\_

  
G. C. Lewis, State Highway Engineer

APPROVED: \_\_\_\_\_

  
Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED

MAY - 1 1992

INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441 (35) Coffee County OFFICE Atlanta, Georgia  
 P.I. No. 421905  
 US 441/SR 31 Widening 1.89 Miles DATE April 30, 1992

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

TO Hoyt J. Lively, Jr., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this Major project and have the following comment:

The Report states that Utility relocations will be the responsibility of local government, however, a Local Government Project Agreement was not included with the Report.

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                     | \$2,846,000  | <i>\$3,600,000</i> |
| Inflation (5% per year) x 3 yrs. | 426,900      |                    |
| E & C (10%)                      | 327,290      |                    |
| Preliminary Engineering (5%)     | 142,300      |                    |
| Right of Way                     | 1,131,000    |                    |
| Utilities                        | 7,500 (LGPA) |                    |

BDM/jmf

Attachments

c: David Studstill

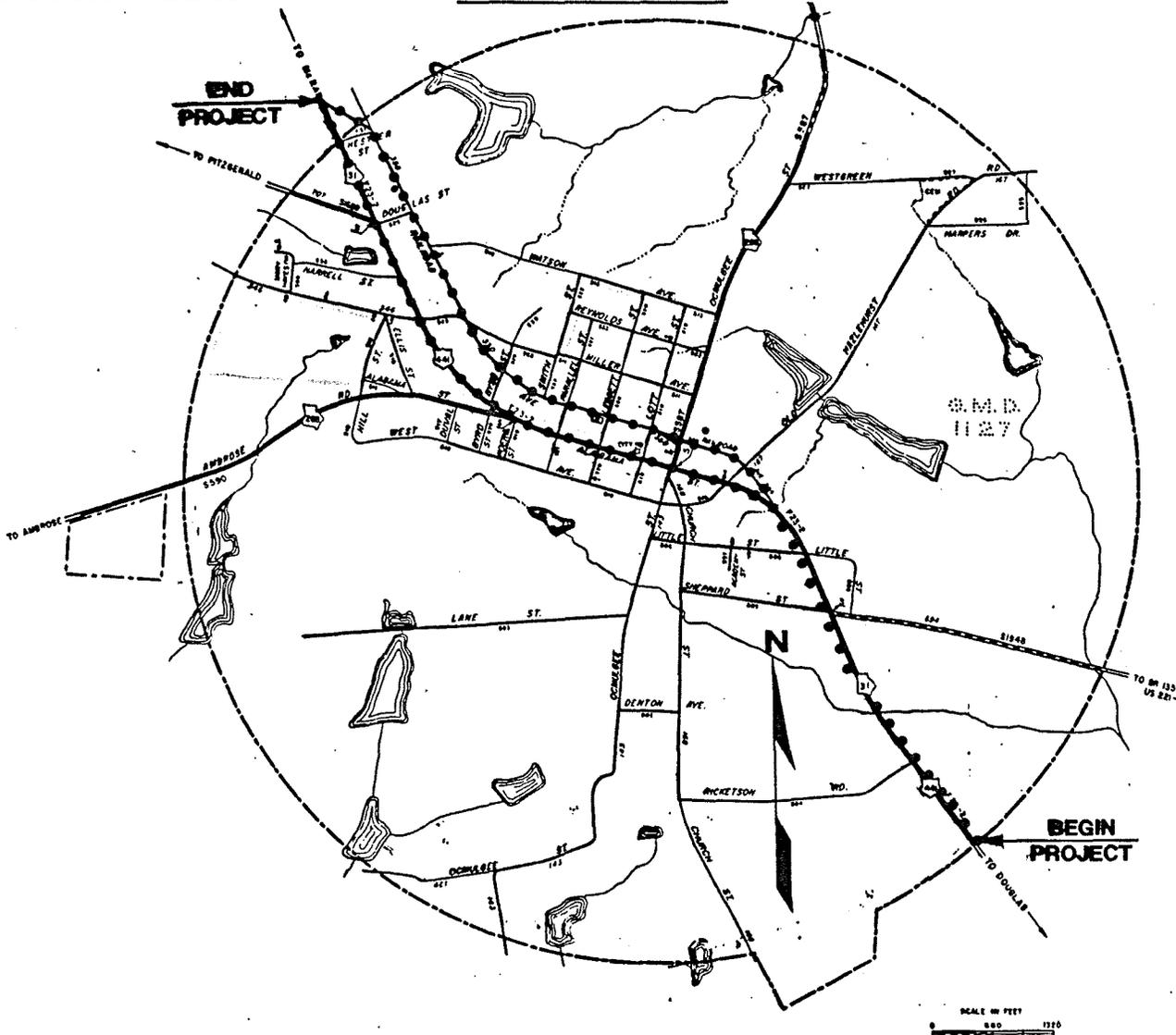
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT



Project Number:  
County:  
P.I. Number:  
Federal Route Number:  
State Route Number:

EDS-441 (35)  
COFFEE  
421905  
US 441 (F-23-2)  
SR 31



RECOMMENDATION FOR APPROVAL:

3/20/92  
DATE

*Oil & L...*  
STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE

STATE TRAFFIC AND SAFETY ENGINEER

DATE

DISTRICT ENGINEER/TIFTON

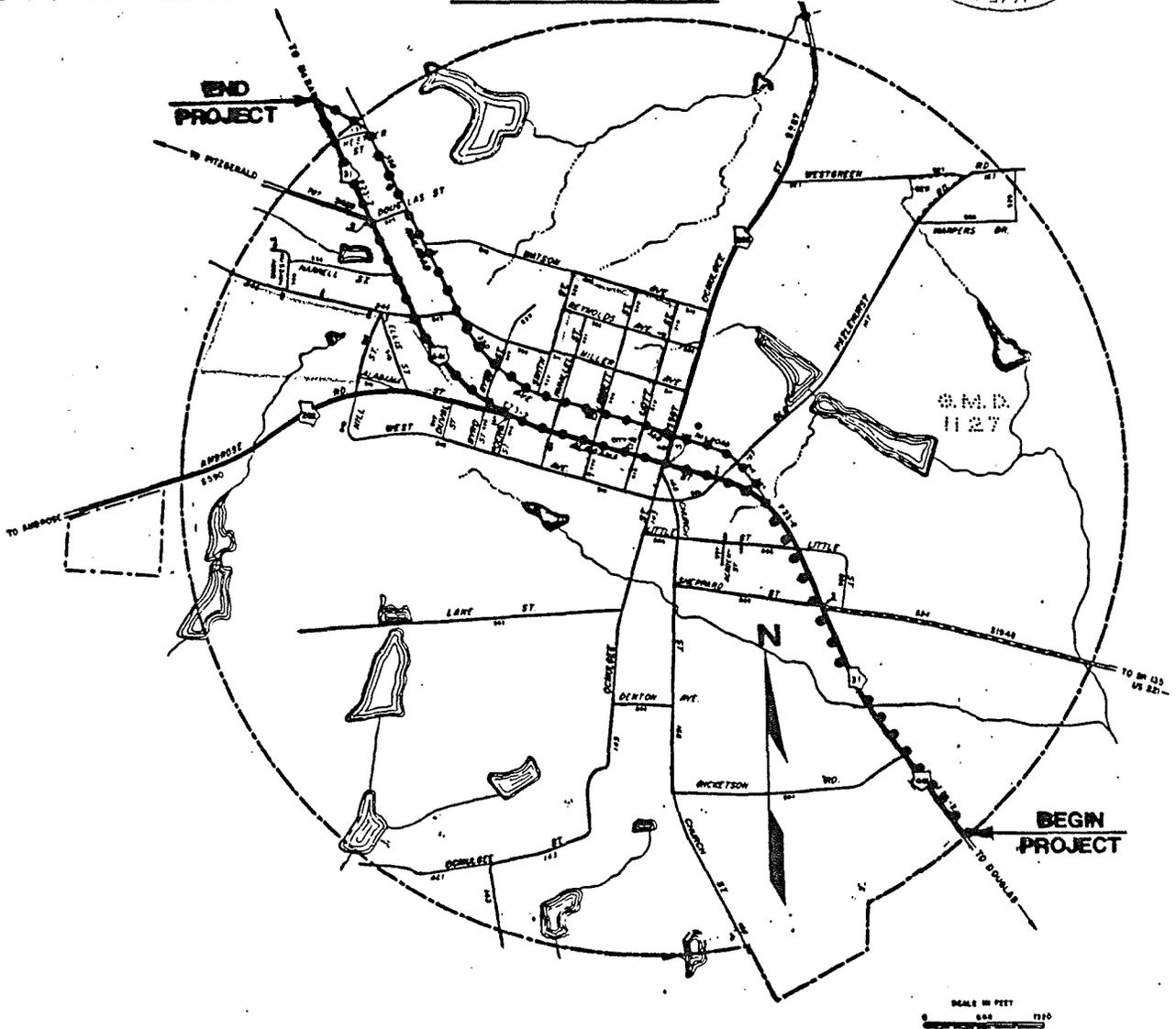
OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT



Project Number:  
County:  
P.I. Number:  
Federal Route Number:  
State Route Number:

EDS-441 (35)  
COFFEE  
421905  
US 441 (F-23-2)  
SR 31



RECOMMENDATION FOR APPROVAL:

3/20/92  
DATE

*Oil E. Hittell*  
STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE

*Ron Alvin*  
STATE TRAFFIC AND SAFETY ENGINEER

DATE

DISTRICT ENGINEER/TIFTON



# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

**FILE** EDS-441 (35) **OFFICE** Atlanta, Ga.  
Coffee County  
P.I. No. 421905 **DATE** April 2, 1992

**FROM** *RC* Ken 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. 31/U.S. 441 through Broxton. The existing two-lane roadway will be widened to a four lane section with a 44 ft. median from the south city limits to Railroad Ave. From Railroad Ave. to 1000 ft. north of the city limits a one-way pair will be constructed. We believe this concept will improve safety along the roadway. We, therefore, find this report satisfactory for approval.

RC:CKE:lw

Attachment (signature page)

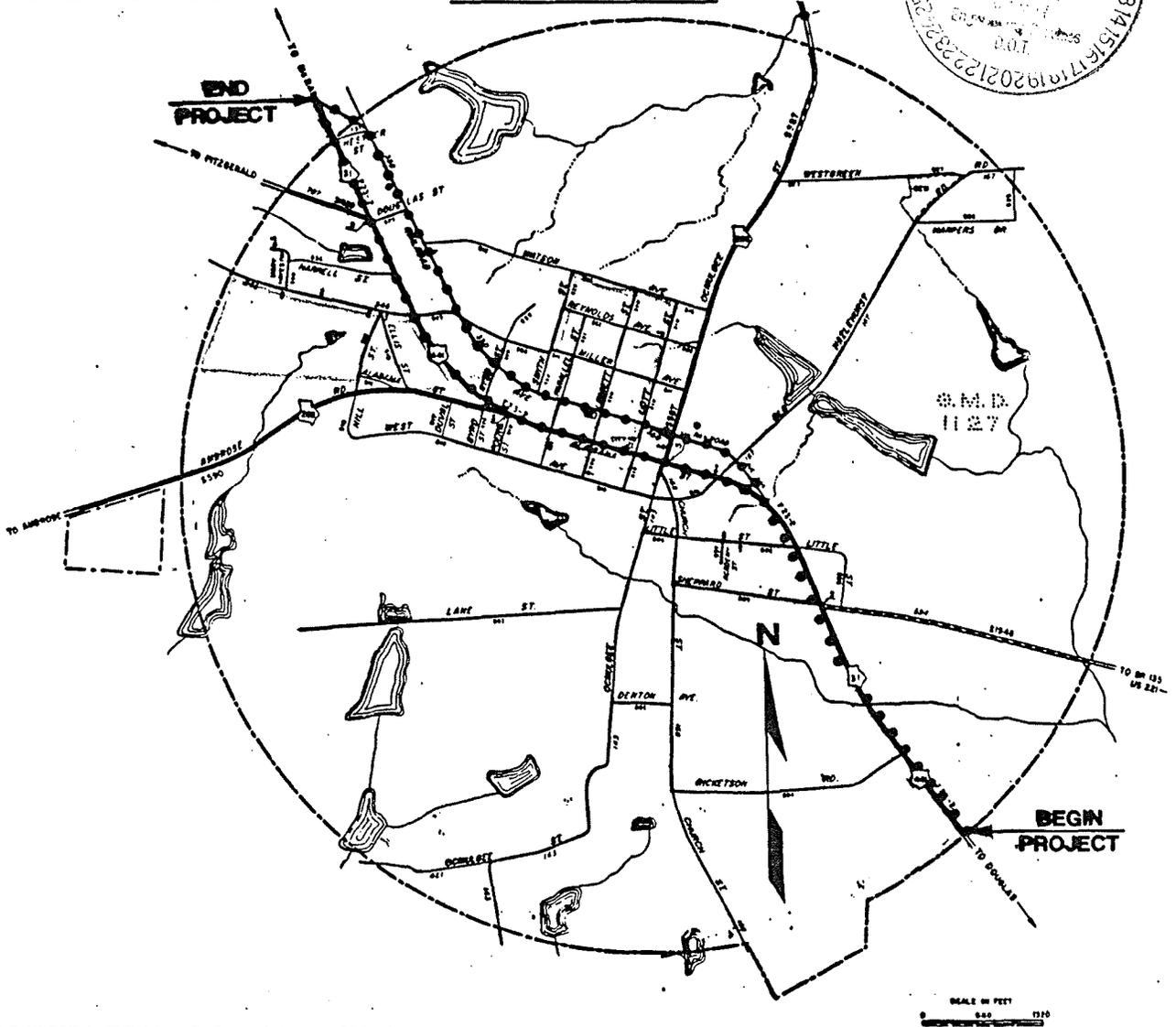
cc: David Studstill; Shell Hartley - Tifton

OFFICE OF ENVIRONMENT/LOCATION

PROJECT CONCEPT REPORT

Project Number:  
County:  
P.I. Number:  
Federal Route Number:  
State Route Number:

EDS-441 (35)  
COFFEE  
421905  
US 441 (F-23-2)  
SR 31



RECOMMENDATION FOR APPROVAL:

3/20/92  
DATE

*Oil E. Little*  
STATE ENVIRONMENTAL/LOCATION ENGINEER

DATE

STATE ROAD AND AIRPORT DESIGN ENGINEER

DATE

STATE TRAFFIC AND SAFETY ENGINEER

3/27/92  
DATE

*Steve [Signature]*  
DISTRICT ENGINEER/TIFTON

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE EDS-441 (26), (35), & (27) Coffee Co.  
P.I. Nos. 421900, 421905 & 421910

OFFICE Tifton, GA

DATE April 1, 1992

FROM Shell Hartley, Jr., District Engineer

TO Robert Humphrey, Project Review Engineer  
Atlanta, GA

SUBJECT CONCEPT REPORT - U.S. 441 BETWEEN DOUGLAS & BROXTON

Attached please find signature sheets for the above captioned projects.

These concepts are satisfactory with the following comment.

EDS-441 (26) needs paved shoulder from County Road 416 to County Road 415.

Yours very truly,

*Shell Hartley, Jr.*  
Shell Hartley, Jr.  
District Engineer RJS

RJS:bt



## PROJECT DESCRIPTION

EDS-441(35)  
COFFEE COUNTY  
P.I. # 421905

This project begins at the south city limits of Broxton and extends for approximately 1.9 miles to 1000' north of the north city limits of Broxton. From the south city limits of Broxton to Shephard St., 2 additional lanes with a 44' divided median will be added east of the existing 2 lanes. From Shephard St. to Railroad Ave., 2 additional lanes with a 44' divided median will be added west of the existing 2 lanes. Beginning at the intersection of US 441/SR 31 and Railroad Ave., US 441 and Railroad Ave. will function as a 1-way pair system. Railroad Ave. will be reconstructed from US 441 to Hester St. as an urban section with 34' of paving on a minimum of 60' R/W. Most of this reconstruction will be done within the existing R/W. From Hester St. to US 441 a two-lane new location connector will be provided with 24' of paving on a minimum of 100' R/W. Railroad Ave. will function as the north bound lanes and existing US 441 will function as the south bound lanes. Except for a small amount of vertical reconstruction on US 441 at CR 707, no construction is planned for the existing US 441/SR 31 roadway between Old Hazelhurst Rd. and the end of the project. Only signing and striping will be necessary. The north intersection of SR 268 will be realigned to provide a more direct connection with Railroad Ave.

# PROJECT CONCEPT REPORT

DATE: MARCH 9, 1992

PROJECT NUMBER: EDS-441(35)

COUNTY: COFFEE

PROJECT NAME: US 441/SR 31 IMPROVEMENTS

P. I. NUMBER: 421905 U. S. ROUTE NO: 441 STATE ROUTE NO: 31

## LOCATION

FROM SOUTH CITY LIMITS OF BROXTON TO 1000' NORTH OF THE BROXTON NORTH CITY LIMITS. PROJECT LENGTH = 1.89 MILES

## TRAFFIC

### CURRENT

### PROJECTED

| <u>YEAR</u> | <u>AADT</u> | <u>YEAR</u> | <u>AADT</u>   |
|-------------|-------------|-------------|---------------|
| <u>1997</u> | <u>7500</u> | <u>2017</u> | <u>12,600</u> |

### PDP CLASSIFICATION

### FUNCTIONAL CLASSIFICATION

MAJOR ROADWAY WIDENING & RECONSTRUCTION

MAJOR RURAL ARTERIAL

### EXISTING TYPICAL SECTION

2 LANES RURAL AND WIDE 2 LANES URBAN

| <u>POSTED SPEED</u> | <u>MAX EXIST DEGREE OF CURVE</u> | <u>MAX EXIST GRADE</u> |
|---------------------|----------------------------------|------------------------|
| <u>35-45 MPH</u>    | <u>4°15'</u>                     | <u>3.820%</u>          |

### EXISTING MAJOR STRUCTURES

| <u>P. RTG</u> | <u>S. RTG</u> | <u>FEATURES INTERSECTED</u> | <u>LENGTH</u> | <u>WIDTH</u> |
|---------------|---------------|-----------------------------|---------------|--------------|
|---------------|---------------|-----------------------------|---------------|--------------|

PROJECT NEED: THIS PROJECT IS PART OF THE US 441 GROWTH CORRIDOR WHICH WILL EXTEND FROM THE GEORGIA/FLORIDA BORDER NORTH TO THE GEORGIA/NORTH CAROLINA BORDER. THE PROJECT IS NEEDED FOR PRESENT AND FUTURE ECONOMIC GROWTH IN THIS LARGELY RURAL AREA AND FOR THE FLOW OF GOODS AND SERVICES BETWEEN ALREADY DEVELOPED AREAS. THE EXISTING TWO-LANE FACILITY REQUIRES IMPROVEMENT IF LARGE TRUCKS ARE TO SERVE THE AREA.

# PROJECT CONCEPT REPORT

PROJECT NUMBER: EDS-441 (35)

## PROPOSED TYPICAL SECTION

1) ADD 2 LANES WITH 44' DIVIDED MEDIAN FROM THE SOUTH CITY LIMITS OF BROXTON TO RAILROAD AVE.

2) 1-WAY PAIR FROM RAILROAD AVE. TO 1000' NORTH OF THE NORTH BROXTON CITY LIMITS. SEE DESCRIPTION & TYPICAL SECTIONS FOR DETAIL

### DESIGN SPEED

45 MPH

### MAX DEGREE OF CURVE

ALLOWABLE: 9°00'

PROPOSED: 4°15'

### MAX GRADE

ALLOWABLE: 5.500%

PROPOSED: 2.900%

### MAJOR STRUCTURES

TYPE ACCESS: BY PERMIT

TRAFFIC CONTROL DURING CONSTRUCTION: TRAFFIC WILL BE MAINTAINED ON EXISTING CROSS ROADS DURING CONSTRUCTION.

### ESTIMATED COST

CONSTRUCTION: \$ 2,682,000

RIGHT-OF-WAY: \$ 1,131,000

E&C (10%): \$ 268,000

ACQUIRED BY: DOT

INFLATION: \$ 465,000

UTILITIES: \$ 7,500

3 yrs at 5% per year

ADJUSTED BY: LGPA

TOTAL CONST. COST: \$ 3,415,000

DISPLACEMENTS: 5 RESIDENTS, 1 COMMERCIAL

LEVEL OF ENVIRONMENTAL ANALYSIS: AN "EA" DOCUMENT WILL BE PREPARED

LEVEL OF PUBLIC INVOLVEMENT: A PUBLIC HEARING IS TO BE HELD

TIME SAVING PROCEDURES APPROPRIATE: NO

DESIGN VARIATIONS REQUIRED: NONE AT THIS TIME

PROJECT CONCEPT REPORT

PROJECT NUMBER: EDS-441(35)

OTHER PROJECTS IN AREA: EDS-441(26) COFFEE, EDS-441(27) COFFEE,  
STP-036-1(13) COFFEE

CONCEPT TEAM MEETING DATE: JANUARY 28, 1992

LOCATION INSPECTION DATE: NOT SCHEDULED

PERMITS REQUIRED: A COE 404 PERMIT WILL BE REQUIRED. WETLAND IMPACTS = LESS  
THAN 1 ACRE.

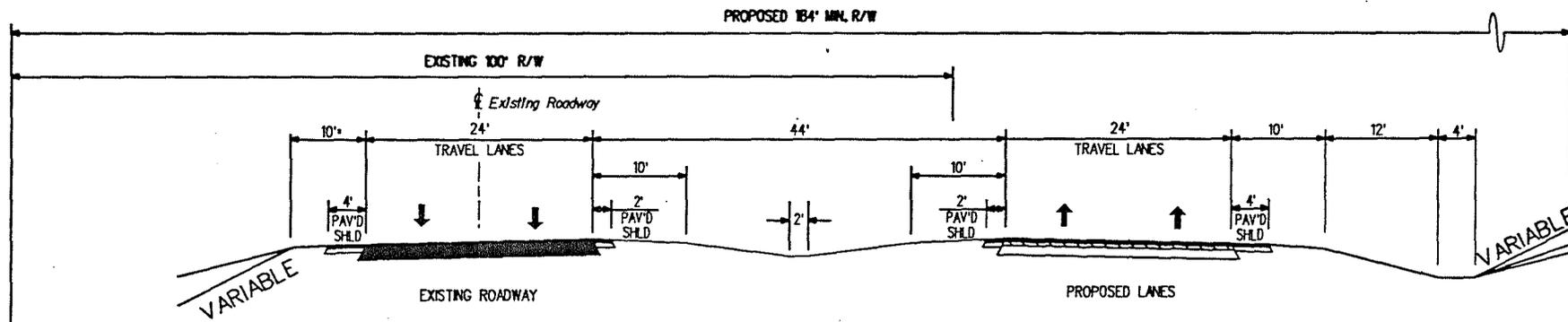
UNDERGROUND STORAGE TANKS: NONE KNOWN OF AT THIS TIME

HAZARDOUS WASTE SITES: NONE KNOWN OF AT THIS TIME

OTHER ALTERNATES CONSIDERED: 1) WIDEN EXISTING US 441 TO 5 LANES WITH A 14'  
FLUSH MEDIAN URBAN. THIS ALTERNATE WOULD DISPLACE SEVERAL HISTORIC  
STRUCTURES AS WELL AS ALL STRUCTURES ON ONE SIDE OF THE ROAD.  
2) NO BUILD.

COMMENTS: THIS PROJECT REQUIRES 14% VERTICAL RECONSTRUCTION

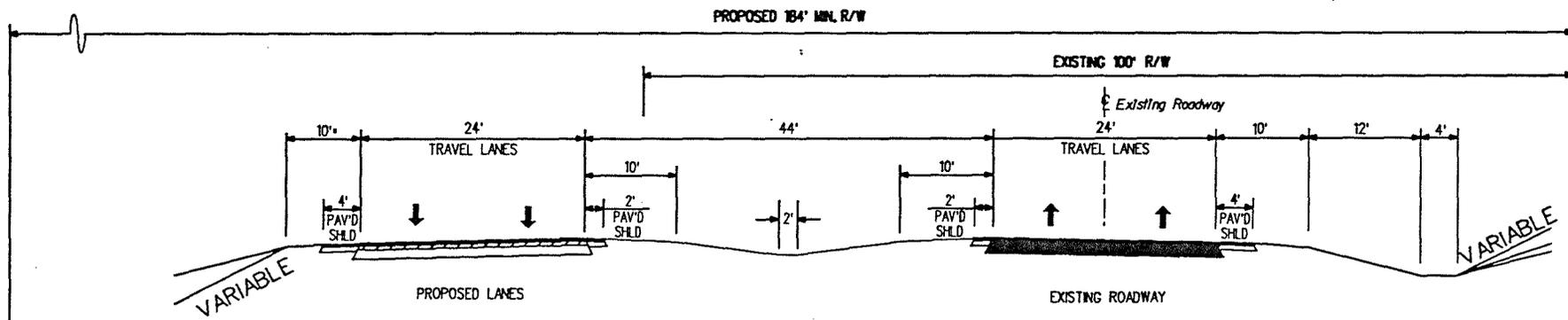
ATTACHMENTS: COST ESTIMATE  
PROJECT DESCRIPTION  
TYPICAL SECTIONS  
CONCEPT MEETING MINUTES



\* 15.5' WHEN GUARDRAIL IS USED

TYPICAL SECTION #1  
 EDS-441(35), COFFEE COUNTY  
 US 441/SR 31 IMPROVEMENTS

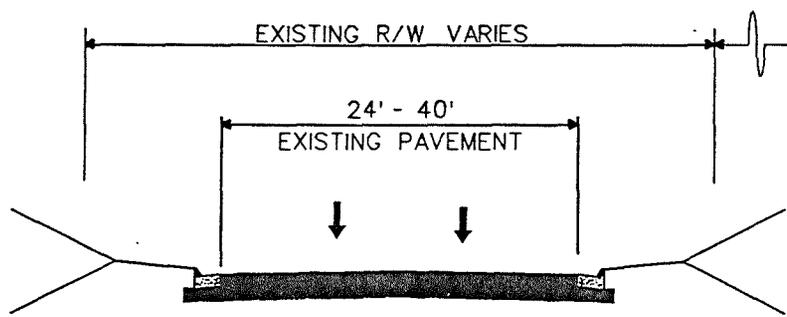
THIS SECTION APPLIES TO  
 WIDENING SECTIONS:  
 BROXTON CITY LIMITS TO ML 15.5.  
 NOT TO SCALE



• 15.5' WHEN GUARDRAIL IS USED

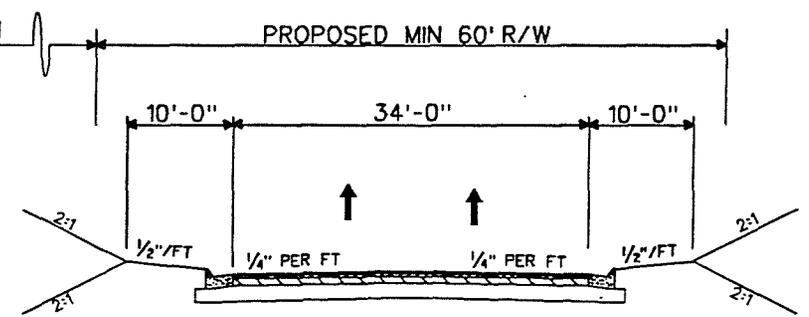
TYPICAL SECTION #2  
 EDS-441(35), COFFEE COUNTY  
 US 441/SR 31 IMPROVEMENTS

THIS SECTION APPLIES TO  
 WIDENING SECTIONS:  
 ML 15.5 TO RAILROAD AVE.  
 NOT TO SCALE



EXISTING US 441/SR 31  
PROPOSED SOUTH BOUND LANES

DISTANCE BETWEEN ROADWAYS VARIES



RAILROAD AVE. RECONSTRUCTION  
PROPOSED NORTH BOUND LANES

TYPICAL SECTION #3  
EDS-441(35), COFFEE COUNTY  
US 441/SR 31 IMPROVEMENTS  
BROXTON ONE-WAY PAIR  
NOT TO SCALE