

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

---

## INTERDEPARTMENT CORRESPONDENCE

FILE NH-002-6(53) Clarke-Jackson Counties OFFICE Preconstruction  
P.I. No. 121160  
DATE April 1, 1992

FROM *CWH*  
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  
Hugh Tyner  
Winn Guthrie

# DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

## INTERDEPARTMENT CORRESPONDENCE

FILE NH-002-6(53) Clarke-Jackson Counties OFFICE Preconstruction  
 P.I. No. 122160 DATE March 16, 1992

FROM *[Signature]* Hoyt J. Lively, Jr., P.E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT APPROVAL

This project proposes the widening and reconstruction of SR 15/US 129 from Lavender Drive in Clarke County to SR 330 in Jackson County. This section of US 129 is operating at a level of service D, which is below the acceptable standards for a rural state/US route. The additional lanes will raise this level of service to an acceptable level. The existing typical section is two, 12' lanes with variable width shoulders on 80' right-of-way. The posted speed limit is 55 MPH. The project length is 3.6 miles. The base year traffic (1997) is 10,500 VPD and the design year traffic (2017) is 18,000 VPD. There are no major structures within the project limits. The access along US 129 is regulated.

The proposed typical section is a four lane highway with a 44' median with 10' shoulders (4' paved on outside), and 6' shoulders (2' paved on the inside). The proposed width of right-of-way is 150'. The project will be built under traffic. The design speed is 55 MPH and no design variations are required.

Estimated costs for this project are:

	PROPOSED	APPROVED	PROG DATE
Construction (includes E&C and inflation)	\$4,054,000	\$11,044,000	FY 95 Preprogram
Right-of-Way	\$2,198,000	---	
Utilities	LGPA*	---	

\*The utility costs are based on replacing private easement for Southern Bell and Jackson EMC and moving two large switch boxes for Southern Bell. The adjustment of these utilities are anticipated to be by LGPA.

Environmental concerns include: displacement of 11 residencies and 6 businesses; one possible underground storage site. Any permits required have not been determined at this time. An environmental assessment will be written, and a public hearing will be held.

Wayne Shackelford  
Page 2  
March 16, 1992

NH-002-6(53) Clarke-Jackson Counties

I recommend that this concept report be approved and the project be placed in the Construction Work Program.

HJL:CWH/cj

Attachment

CONCUR

G. C. Lewis  
G. C. Lewis, State Highway Engineer

APPROVE

Wayne Shackelford  
Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED

JAN - 8 1992

## INTERDEPARTMENT CORRESPONDENCE

FILE <sup>NH-</sup> PR-002-6 (53) Clarke - Jackson Counties OFFICE Atlanta, Georgia  
P.I. No. 122160  
Widen & Reconstruct SR 15/US 129 3.670 Miles DATE January 7, 1992

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

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

SUBJECT PROJECT CONCEPT REPORT - Revised

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

" We concur in the additional median width, for future additional capacity considerations.

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$3,071,500
Inflation (5% per year)x 4 yrs.	614,300
E & C (10%)	3,685,800
Preliminary Engineering (5%)	153,575
Right of Way	2,198,000
Utilities	975,000

BDM/jmf

Attachments

c: Roland W. Hinnens

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE FR-002-6(53) Clarke/Jackson Cos.  
P.I. No. 122160

OFFICE Atlanta

DATE Dec. 5, 1991

FROM *Roland Hinners*  
Roland Hinners, P.E., State Road & Airport Design Engineer *JMC*

TO Robert Humphrey, Project Review Engineer

SUBJECT Revision to Concept

Please revise the concept on this project to change the proposed 32 foot depressed median to a 44 foot depressed median. Attached is the revised cost estimate and typical section.

If there are any additional questions, please contact Ron Braziel 656-5400.

RH:RDB:bc  
Attachments

cc: Hugh Tynér  
Wayne Hutto

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



PROJECT CONCEPT REPORT

FR-002-6 (53)  
CLARKE-JACKSON  
COUNTIES

FEDERAL ROUTE NO: 129  
STATE ROUTE NO: 15  
GADOT P.I. NO: 122160

Date of Report: SEP-27-1991

RECOMMENDATION FOR APPROVAL

10-8-91  
DATE

*Robert Manning*  
State Road & Airport Design Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Environmental Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Traffic & Safety Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
District Engineer

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



PROJECT CONCEPT REPORT

FR-002-6(53)  
CLARKE-JACKSON  
COUNTIES

FEDERAL ROUTE NO: 129  
STATE ROUTE NO: 15  
GADOT P.I. NO: 122160

Date of Report: SEP-27-1991

RECOMMENDATION FOR APPROVAL

10-8-91  
DATE

Robert Harrison  
State Road & Airport Design Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Environmental Engineer

\_\_\_\_\_  
DATE

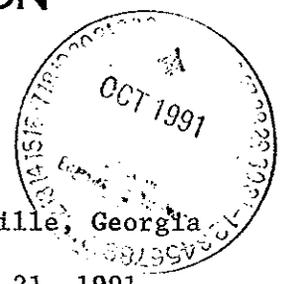
\_\_\_\_\_  
State Traffic & Safety Engineer

10-21-91  
DATE

Hugh L. Turner  
District Engineer

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE FR-002-6 (53), Clarke-Jackson Counties  
P. I. No. 122160

OFFICE Gainesville, Georgia

DATE October 21, 1991

FROM Hugh L. Tyner, District Engineer

TO Robert E. Humphrey, Project Review Engineer, Atlanta

SUBJECT Project Concept Review

This is to advise this office has reviewed the proposed concept report submitted by your letter of October 2, 1991 for the above project.

The 32' depressed median will minimize property damage in critical areas; however, in the rural areas, we would request consideration be given to providing a 44' depressed median.

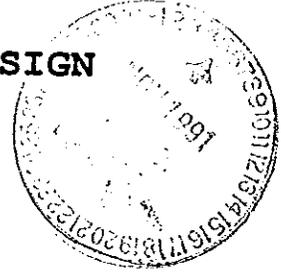
Other than the aforementioned statement, we recommend this project for design approval.

HLT:shg

attachment



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



PROJECT CONCEPT REPORT

FR-002-6(53)  
CLARKE-JACKSON  
COUNTIES

FEDERAL ROUTE NO: 129  
STATE ROUTE NO: 15  
GADOT P.I. NO: 122160

Date of Report: SEP-27-1991

RECOMMENDATION FOR APPROVAL

10-8-91  
DATE

Robert Harrison  
State Road & Airport Design Engineer

10-28-91  
DATE

David Stitt  
State Environmental Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
State Traffic & Safety Engineer

\_\_\_\_\_  
DATE

\_\_\_\_\_  
District Engineer



DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE FR-002-6 (53)  
Clarke/Jackson Counties  
P.I. No. 122160

OFFICE Atlanta  
DATE October 11, 1991

FROM *[Signature]* Ron Colvin, P.E., State Traffic & Safety Engineer  
TO Robert E. Humphrey, P.E., Project Review Engineer

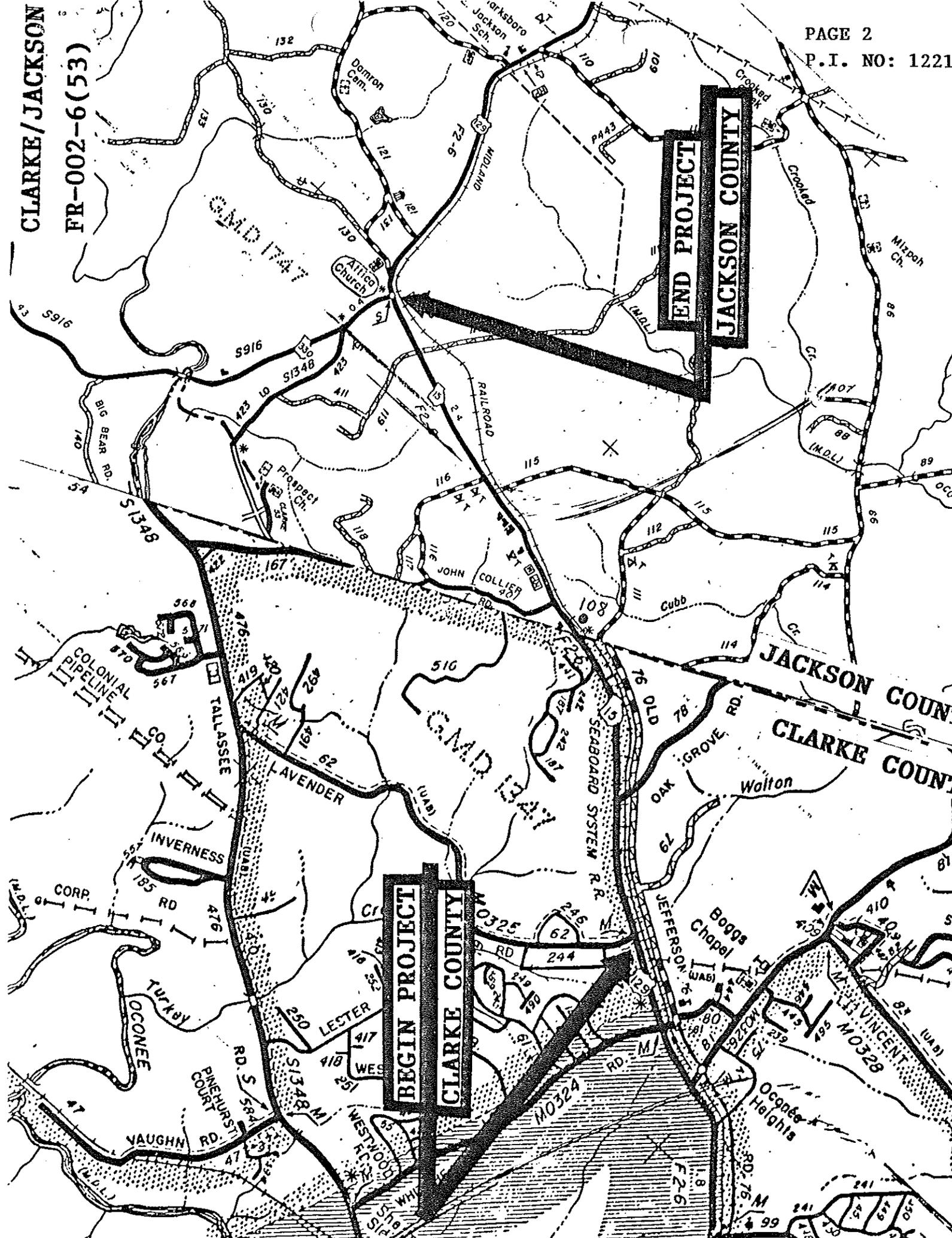
SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for widening and reconstruction of S.R. 15/U.S. 129 from Lavender Drive in Clarke County to S.R. 330 in Jackson County. The existing two lane roadway will be widened, on the west side, to a four lane facility, two 12 ft. lanes in each direction with a 32 ft. wide depressed median and shoulder widths to meet current design specifications. Length of project is 3.67 miles. Design speed is 55 MPH.

We believe the concept provides for safety and operational capacity. Therefore, approval is recommended.

RC:LEO:lw  
Attachment (signature page)  
cc: Roland Hinners, State Road & Airport Design Eng.; Hugh Tyner, D.E. - Gainesville

CLARKE/JACKSON  
FR-002-6(53)



PROJECT CONCEPT REPORT

PROJECT NUMBER: FR-002-6(53)

PROJECT LOCATION & DESCRIPTION
<p>THIS PROJECT CONSIST OF THE WIDENING AND RECONSTRUCTION OF SR 15/ US 129 FROM LAVENDER DRIVE IN CLARKE COUNTY TO SR 330 IN JACKSON COUNTY. THE EXISTING 2 LANE WILL BE WIDENED, ON THE WEST SIDE, TO A 4 LANE WITH A <sup>441</sup>732- FOOT WIDE DEPRESSED MEDIAN RURAL SECTION WITH 10 FOOT SHOULDERS (4 FOOT PAVED) ON THE OUTSIDE AND 6 FOOT SHOULDERS (2 FOOT PAVED) ON THE INSIDE.</p> <p>PROJECT LENGTH: 3.670 MILES</p>

TRAFFIC			
CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
<u>1997</u>	<u>10500</u>	<u>2017</u>	<u>18000</u>

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
MAJOR EXISTING	RURAL ARTERIAL

PROJECT NEED & PURPOSE
<p>THIS PROJECT IS PART OF THE OVERALL IMPROVEMENT OF US 129 TO PROVIDE A MULTI-LANE HIGHWAY BETWEEN ATHENS AND GAINESVILLE. A CORRIDOR STUDY WAS CONDUCTED IN 1988 ALONG US 129. THE STUDY DETERMINED THAT THIS SECTION WAS OPERATING AT A LEVEL OF SERVICE "D" WHICH IS BELOW ACCEPTABLE STANDARDS FOR A RURAL STATE/US ROUTE. THE MAIN REASON FOR THE LOW LEVEL OF SERVICE IS THE TRAFFIC VOLUME. IT WAS DETERMINED THAT TO IMPROVE THE LEVEL OF SERVICE US 129 SHOULD BE MULTI-LANED.</p>

EXISTING ROADWAY

TYPICAL SECTION: 2 LANE RURAL-ASPHALT PAVEMENT R/W WIDTH  
55 MPH 4.00 DEG. 80 FT  
MAX GRADE  
4.50 %

MAJOR STRUCTURES:

1. NONE
- 2.
- 3.

PROPOSED ROADWAY

TYPICAL SECTION: 4 LANE RURAL WITH A <sup>44'</sup>~~32'~~ FOOT WIDE DEPRESSED  
MEDIAN

DESIGN SPEED MAX DEGREE OF CURVE; MAX GRADE;  
55 MPH ALLOWABLE: 6.00 DEG. ALLOWABLE: 4.50 %  
PROPOSED: 4.00 DEG. PROPOSED: 4.50 %

MAJOR STRUCTURES: NONE

PROPOSED RIGHT OF WAY

R/W WIDTH  
150 FT

DISPLACEMENTS

RES.: 5' BUS.: 46' M.H.: 0

TYPE OF ACCESS CONTROL: BY DRIVEWAY PERMIT

**COORDINATION**

CONCEPT TEAM MEETING DATE: JUNE 13, 1991  
LOCATION INSPECTION DATE: MAY 7, 1991  
PERMITS REQUIRED (COE, 404, etc.): NOT DETERMINED AT THIS TIME  
LEVEL OF PUBLIC INVOLVEMENT: A PUBLIC HEARING WILL BE HELD  
TIME SAVING PROCEDURES APPROPRIATE: NO  
OTHER PROJECT IN THE AREA: FR-002-6(52) JACKSON

**MISCELLANEOUS**

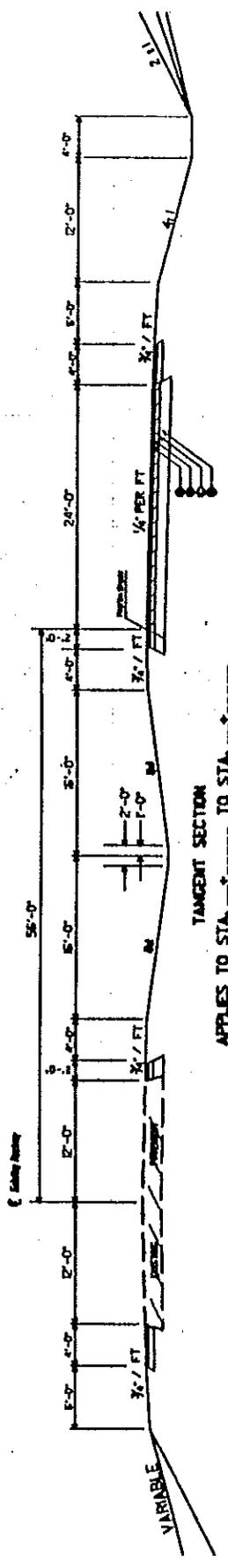
TRAFFIC CONTROL DURING CONSTRUCTION: PROJECT WILL BE BUILT UNDER  
TRAFFIC  
LEVEL OF ENVIRONMENTAL ANALYSIS: ENVIRONMENTAL ASSESSMENT  
DESIGN VARIATIONS REQUIRED: NONE  
  
UNDERGROUND STORAGE TANKS: 1 POSSIBLE SITE  
  
HAZARDOUS WASTE SITES: NONE

**ALTERNATIVES CONSIDERED**

1. NO BUILD.  
DISCOUNTED BECAUSE OF FAILURE TO MEET PROJECT NEEDS
2. 4 LANE WITH 14' FLUSH MEDIAN--THIS WAS DISCOUNTED DUE TO NOT PROVIDING A POSITIVE BARRIER.
3. ~~44' DEPRESSED MEDIAN--DISCOUNTED DUE TO INCREASED PROPERTY TAKE~~

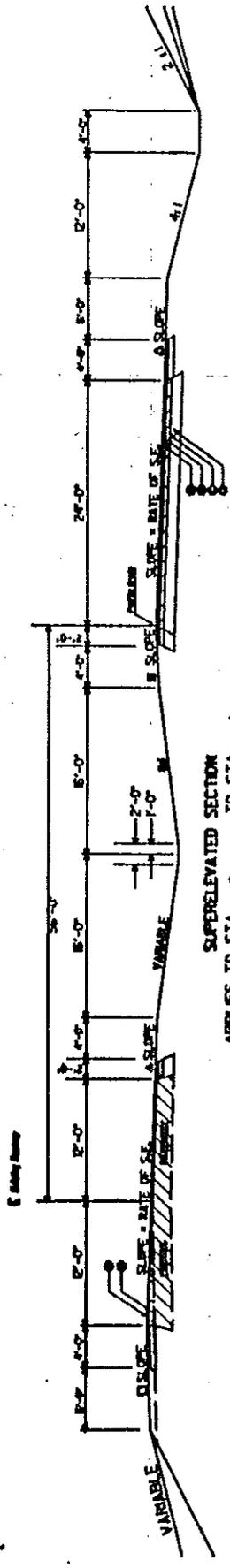


PROJECT	DATE
NO.	BY
DATE	BY



TANGENT SECTION  
APPLIES TO STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

- ① APPROXIMATE FINISH
- ② APPROXIMATE CONCRETE TO 1/2"
- ③ APPROXIMATE CONCRETE TO 1/2"
- ④ APPROXIMATE CONCRETE TO 1/2"
- ⑤ APPROXIMATE CONCRETE TO 1/2"
- ⑥ APPROXIMATE CONCRETE TO 1/2"



SUPER-ELEVATED SECTION  
APPLIES TO STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

- ① SLOPE 3/4" PER 1' OR RATE OF 3/4" INCHES PER 6 FEET
- ② SLOPE AS FOLLOWS
- ③ SLOPE OF DIRT/FT OR LESS USE 3/4" IN 1'-0"
- ④ SLOPE OF DIRT/FT USE 3/4" IN 1'-0"
- ⑤ SLOPE OF DIRT/FT USE 3/4" IN 1'-0"
- ⑥ SLOPE OF DIRT/FT USE 3/4" IN 1'-0"
- ⑦ SLOPE OF DIRT/FT USE 3/4" IN 1'-0"
- ⑧ SLOPE OF DIRT/FT USE 3/4" IN 1'-0"
- ⑨ ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER
- ⑩ SLOPE NOT TO EXCEED 3/4" IN 1'-0"