

D.O.T. 3

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-163-1(11) Henry County OFFICE Preconstruction
P.I. No. 321530
DATE April 5, 1994

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/se

Attachment

DISTRIBUTION:

John Lively
Bob Mustin
David Studstill
Herman Griffin
Toni Dunagan
Darrell Elwell
Van Etheridge
Marion Waters

Wayne Shackelford
Page 2
March 22, 1994

STP-163-1(11) Henry County

The estimated costs for this project are:

	<u>PROPOSED</u>		<u>APPROVED</u>	<u>PROG. DATE</u>
	<u>Alt. 1</u>	<u>Alt. 2</u>	<u>Alt. 1</u>	
Constr(Infl&E/C)	\$1,077,000	\$899,000	\$1,329,000	Long Range
Rights-of-way	\$3,674,000	\$2,364,000	LGPA	
Utilities	LGPA	LGPA	LGPA	

LGPA requesting the City to purchase R/W & utilities sent out in 1985.

Alternate 1 is recommended as the approved concept for the EAST/WEST one-way pair through McDonough.

HJL/CWH/se

Attachment

CONCUR:


Frank Danchetz, State Highway Engineer

APPROVED:


Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE STP-163-1(11) Henry County OFFICE Traffic Operations
P.I. No. 321530 Atlanta, Georgia
DATE March 3, 1994

FROM *ABR for* Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO Bob Mustin, P.E., Project Review Engineer

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for the proposed East-West one-way pair in the City of McDonough. The project begins just west of the Southern Railroad on Jonesboro Street with the eastbound lanes on SR 81/SR 20 and the westbound lanes on Jonesboro Street/Covington Road to a point approximately 2500 feet east of Cedar Street. Connections on both ends will be constructed on new alignment. Two traffic lanes with parking will be provided except three traffic lanes will be provided in each direction from SR 42 (Macon Street) to Cedar Street. An alternate design utilizing Lemon Street for the eastern connector roadway was considered but not recommended by the Office of Road & Airport Design.

It is noted that the metric dimensions given in the Proposed Roadway section of the report do not agree with those shown on the typical sections and that the typical sections appear to be correct. A typical section for the three lane section was not included in the report.

We believe this concept will improve safety and operational capacity along this section of roadway. We therefore find this report satisfactory for approval.

MGW:TOC:dc

Attachment (signature page)

cc: David Studstill
Jim Kennerly (Attention: Gene Powell)
Wayne Hutto, w/attachment
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE OFFICE Atlanta, GA.
DATE February 24, 1994
FROM *James A. Kennerly*
James A. Kennerly, State Road & Airport Design Engineer *ALA*
TO Bobby Mustin, P.E., Project Review Engineer

SUBJECT CONCEPT REPORTS

- STP-1583(11) HENRY CO. P.I. NO. 331980 C.R. 655 FROM I-75 TO MCDONOUGH
- STP-163-1(11) HENRY CO. P.I. NO. 321530 E-W ONE WAY PAIR THRU MCDONOUGH
- STP-037-2(51) HENRY CO. P.I. NO. 321145 N-S ONE WAY PAIR THRU MCDONOUGH

In accordance with the plan development procedures, attached for your further handling are the Project Concept Reports.

It is requested that each office return any comments and signed Cover Sheet to the Office of Engineering Services.

JAK:WEP:pef
Attachment

- xc: John Lively
- Wayne Hutto
- David Studstill, w/att
- Marion Waters, w/att
- Van Etheridge, w/att
- Paul Liles, w/att (STP-1583(11) only)



D.O.T. 68

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED

APR 22 1994

PRECONSTRUCTION

FILE STP-163-1(11) Henry County
P.I. NO. 321530
E-W 1-way Pair/McDonough

OFFICE Environmental/Location

DATE April 21, 1994

FROM David E. Studstill, P.E., State Environmental/Location Engineer

TO Bobby Mustin, Project Review Engineer

SUBJECT CONCEPT REPORT

The concept report for the above listed project has been reviewed. The Globe Hotel and the Henry County Courthouse are listed in the National Register of Historic Places. The location of the properties are noted in red on the project location map.

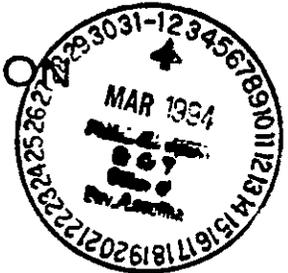
If you have any questions, please let me know.

DES/JSS/jaf

cc: James A. Kennerly

D.O.T. 68
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE
OFFICE Atlanta, GA.
DATE February 24, 1994
FROM *James A. Kennerly*
James A. Kennerly, State Road & Airport Design Engineer HLA
TO Bobby Mustin, P.E., Project Review Engineer
SUBJECT CONCEPT REPORTS

STP-1583(11) HENRY CO. P.I. NO. 331980 C.R. 655 FROM I-75
TO MCDONOUGH
STP-163-1(11) HENRY CO. P.I. NO. 321530 E-W ONE WAY PAIR
THRU MCDONOUGH
STP-037-2(51) HENRY CO. P.I. NO. 321145 N-S ONE WAY PAIR
THRU MCDONOUGH

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xc: John Lively
Wayne Hutto
David Studstill, w/att
Marion Waters, w/att
Van Etheridge, w/att
Paul Liles, w/att (STP-1583(11) only)

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

PROJECT CONCEPT REPORT

STP-163-1 (11)
HENRY COUNTY

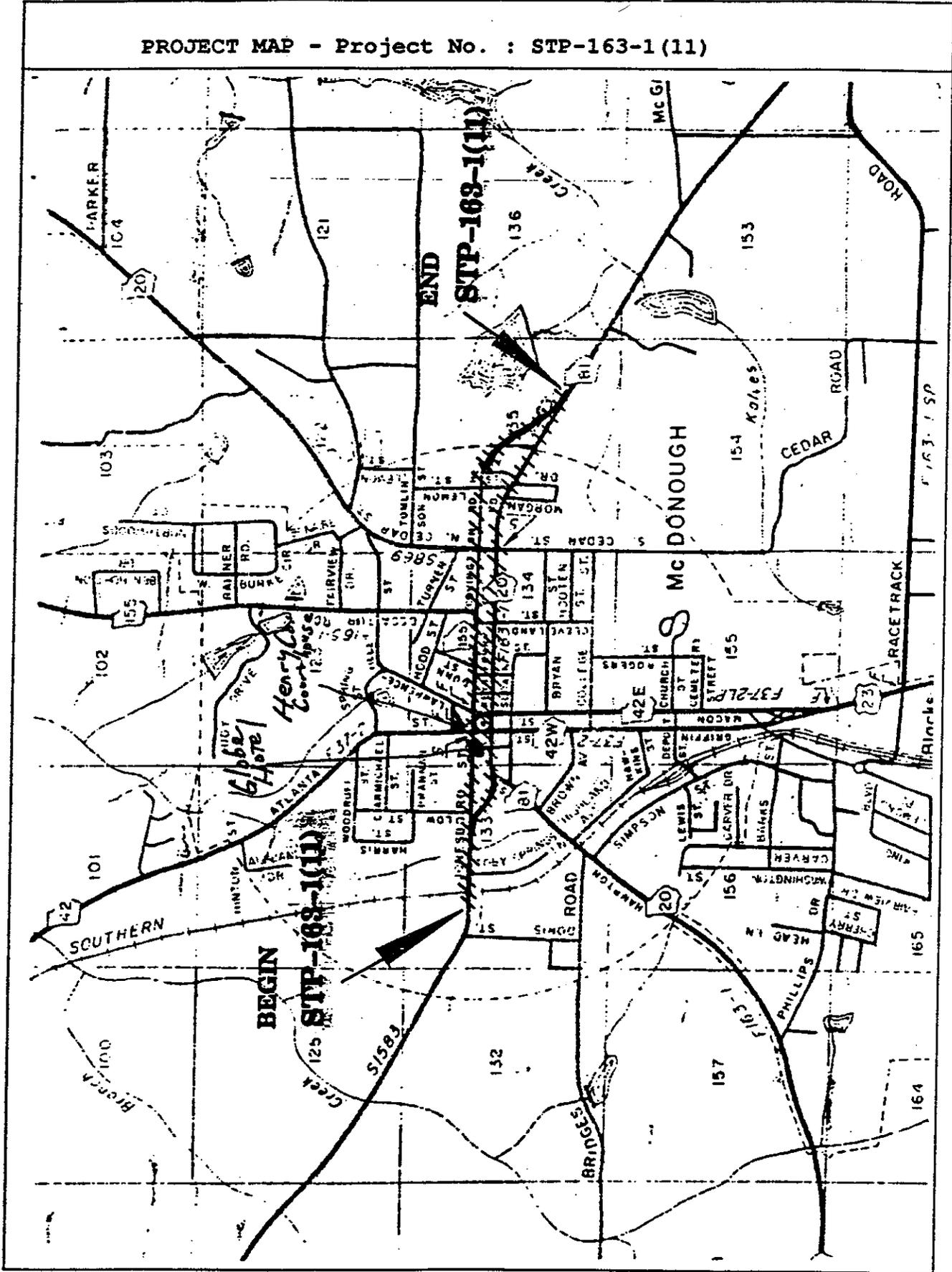
FEDERAL ROUTE NO: NONE
STATE ROUTE NO: 81/20
GADOT P.I. NO: 321530

Date of Report: FEB-16-1994

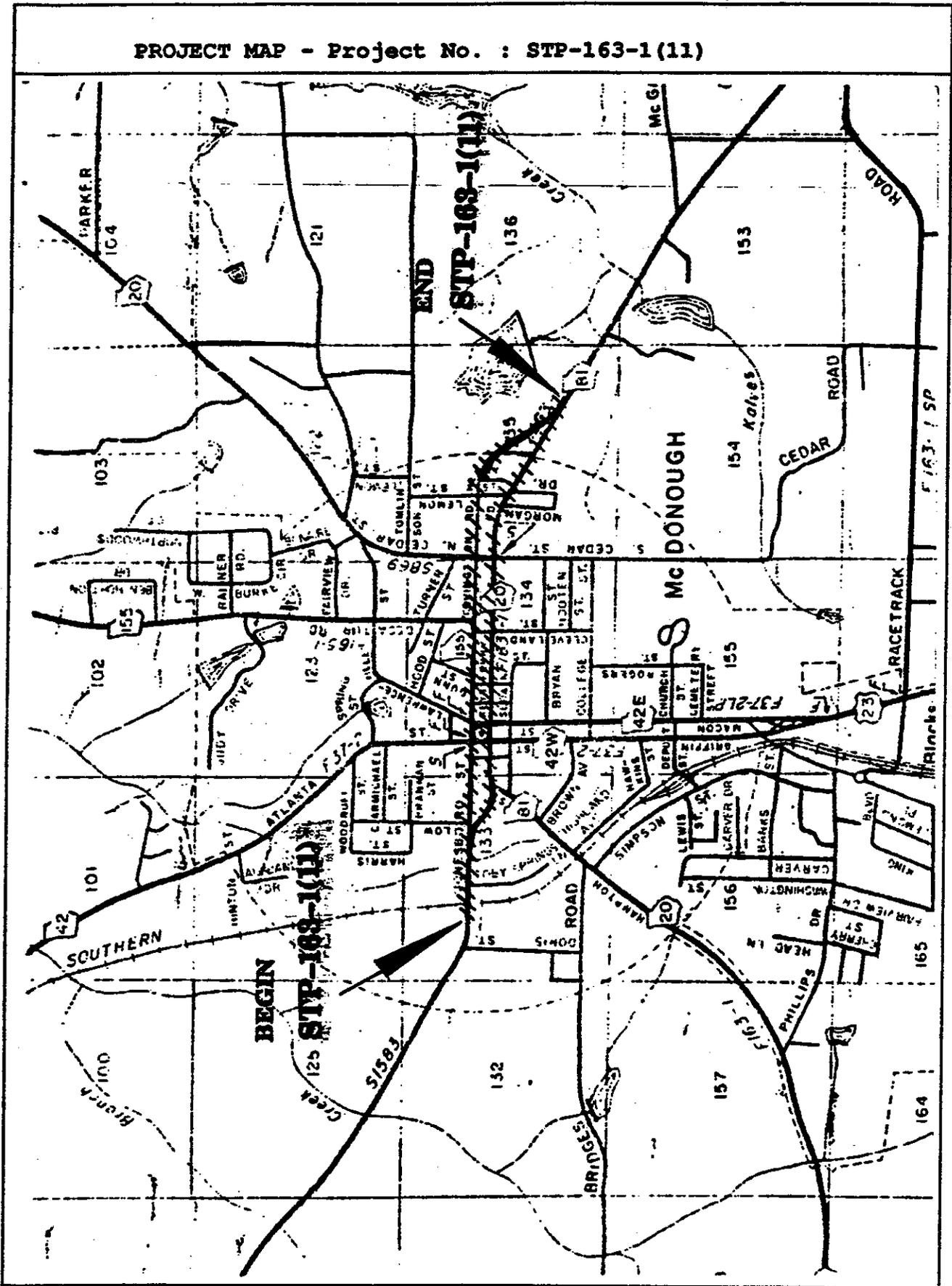
RECOMMENDATION FOR APPROVAL

DATE	<u>2/28</u>	<u>James Jensen</u> State Road & Airport Design Engineer
DATE	<u>4/20/94</u>	<u>Willie Tuttle</u> State Environmental Engineer
DATE		State Traffic Operations Engineer
DATE		District Engineer
DATE		State Bridge Engineer

PROJECT MAP - Project No. : STP-163-1(11)



PROJECT MAP - Project No. : STP-163-1(11)



BRIDGE CONSTRUCTION:

NONE

TRAFFIC

CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
1998	24,350	2018	42,650

PDP CLASSIFICATION

FUNCTIONAL CLASSIFICATION

MAJOR EXISTING/NEW LOCATION

RURAL FAP MINOR ARTERIAL

NON-CA ()

CA ()

EXEMPT (X)

PROJECT NEED & PURPOSE

Traffic volumes in and around McDonough have increased significantly over the past 8-10 years. This is due, in large part, to Henry County becoming a bedroom community of the Atlanta metro area. It also has a moderately growing commercial/ industrial economy. It has been estimated that 72% of the available Henry County work force commutes to work outside of the county.

This project is the result of a 1992 planning study involving the City of McDonough, Henry County and the GDOT Office of Planning and Office of Traffic Operations. It consists of east-west one-way pairing of Jonesboro Street/Covington Road and Keysferry Road. The project was first identified in a 1986 planning study conducted by the Georgia Department of Transportation's Office of Planning which concluded that, in order to accommodate future growth and improve safety and mobility in and through McDonough, these improvements would be needed by 1996.

The 1996 average daily traffic (ADT) around the square in McDonough exceeded 19,500 VPD. Year 2012 projected ADT is 32,000 VPD. These volumes of traffic along with the existing two-way operation will cause this area to operate at a level of service (ie. lower operating speeds and higher accidents rates) that is below what the Department desires on its major routes. Likewise, Jonesboro Road, which has poor horizontal and vertical alignment, will soon begin to experience lower operating speeds and higher accident rates due to the growth that is and will continue to occur along the corridor.

The implementation of this project will significantly improve traffic flow in McDonough. This project conforms to local plans for transportation and comprehensive development.

COORDINATION

CONCEPT TEAM MEETING DATE: FEB 2, 1994

LOCATION INSPECTION DATE: NONE

PERMITS REQUIRED (COE, 404, etc.): NONE KNOWN

LEVEL OF PUBLIC INVOLVEMENT: Hold Public Hearing

TIME SAVING PROCEDURES APPROPRIATE: No

OTHER PROJECT IN THE AREA:

STP-037-2(51) PI NO. 321145

STP-1583(11) PI NO. 331980

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Traffic maintained during construction.

LEVEL OF ENVIRONMENTAL ANALYSIS: Environmental Assessment

DESIGN VARIATIONS REQUIRED:

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	()	(X)	()
SUBST ROADWAY WIDTH	()	(X)	()
SUBST SHOULDER WIDTH	()	(X)	()
SUBST VERT GRADES	()	(X)	()
SUBST CROSS SLOPES	()	(X)	()
SUBST STOPPING SIGHT DIST	()	(X)	()
SUBST SUPERELEV RATES	()	(X)	()
SUBST HORIZ CLEARANCE	()	(X)	()
SUBST SPEED DESIGN	()	(X)	()
SUBST VERTICAL CLEARANCE	()	(X)	()
SUBST BRIDGE WIDTH	()	(X)	()
SUBST BR STRUCT CAPACITY	()	(X)	()

UNDERGROUND STORAGE TANKS: Field Investigation Required

HAZARDOUS WASTE SITES: To Be Determined By Soil Survey

ALTERNATIVES CONSIDERED

Alternate 1 - Recommended by Office of Road & Airport Design

Alternate 2 - Not recommended due to undesirable ingress and egress to school on the East end.

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-163-1(11) - ALTERNATE 1 COUNTY: HENRY

DATE: 2-16-94 ESTIMATED LETTING DATE: FY 97

PREPARED BY: Don Attaway PROJECT LENGTH: 1.75 MILES (2.81 km)

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (Land & Easement) _____	\$	NA
2. DISPLACEMENTS: Res.0 Bus.0 M.H.0	\$	NA
3. OTHER COST (adm./court, inflation) _____	\$	NA
SUBTOTAL:A		\$ NA

B. REIMBURSABLE UTILITIES:

1. RAILROAD _____	\$	NA
2. TRANSMISSION LINES _____	\$	NA
3. SERVICES _____	\$	NA
SUBTOTAL:B		\$ NA

C. CONSTRUCTION:

1. MAJOR STRUCTURES: None

a. BOX CULVERTS _____	\$	0
b. BRIDGES _____	\$	0
SUBTOTAL:C-1		\$ 0

5. MISCELLANEOUS:

a. LIGHTING _____	\$	0
b. SIGNING & MARKING (\$51,000/MI) _____	\$	89,250
c. CURB AND GUTTER TP2 8550 LF x 7.66	\$	65,504
d. CONCRETE MEDIAN	\$	0
e. GUARDRAIL _____	\$	0

SUBTOTAL:C-5 \$ 154,754

6. SPECIAL FEATURES (FIELD ENGR OFFICE TP 2) \$ 17,000

SUBTOTAL:C-6 \$ 17,000

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-163-1(11) - ALTERNATE 2

COUNTY: HENRY

DATE: 2-16-94

ESTIMATED LETTING DATE: FY 97

PREPARED BY: Don Attaway

PROJECT LENGTH: 1.24 MILES (1.99 km)

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (Land & Easement) _____	\$	NA
2. DISPLACEMENTS: Res.0 Bus.0 M.H.0	\$	NA
3. OTHER COST (adm./court, inflation) _____	\$	NA
SUBTOTAL:A		\$ NA

B. REIMBURSABLE UTILITIES:

1. RAILROAD _____	\$	NA
2. TRANSMISSION LINES _____	\$	NA
3. SERVICES _____	\$	NA
SUBTOTAL:B		\$ NA

C. CONSTRUCTION:

1. MAJOR STRUCTURES: None

a. BOX CULVERTS _____	\$	0
b. BRIDGES _____	\$	0
SUBTOTAL:C-1		\$ 0

5. MISCELLANEOUS:

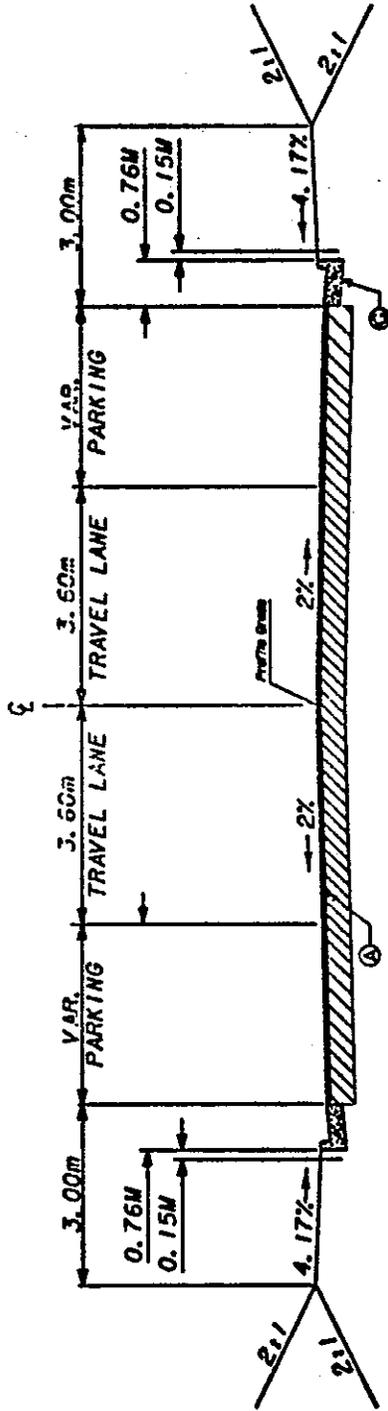
a. LIGHTING _____	\$	0
b. SIGNING & MARKING (\$51,000/MI) _____	\$	63,240
c. CURB AND GUTTER TP2 6650 LF x 7.66	\$	50,948
d. CONCRETE MEDIAN	\$	0
e. GUARDRAIL _____	\$	0

SUBTOTAL:C-5 \$ 114,188

6. SPECIAL FEATURES (FIELD ENGR OFFICE TP 2) \$ 17,000

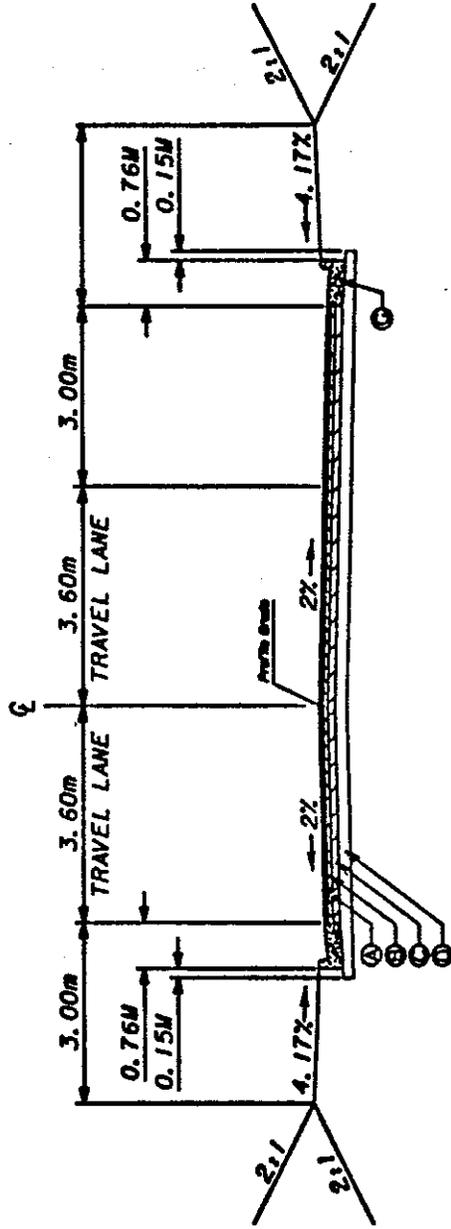
SUBTOTAL:C-6 \$ 17,000

STP-163-1(11)
E-W 1-WAY PAIR



ONE-WAY PAIR

ABOVE SECTION APPLIES TO EXISTING CURB AND GUTTER ROADWAY



ONE-WAY PAIR

ABOVE SECTION APPLIES TO NEW ROADWAY

CONCEPT MEETING
Page 2

Two historic sites have been identified. Central GA EMC stated that they have aerial facilities throughout the project. Atlanta Gas Light stated they have existing underground lines from approximately Kelly Road to end of project on south side of road.

Median openings have not been provided at all county roads due to spacing. Further studies will be required for these.

Construction cost is \$5,029,000 and is scheduled for Fiscal Year 2002.

BRSLB-1583(10) is bridge replacement at C.R. 655 and Birch Creek. Construction cost is \$500,000 and is scheduled for Fiscal Year 1998.

STP-163-1(11) is E-W 1 way pair thru McDonough along S.R. 20/81 and Covington. Environmental will have to do study to determine the boundary of Historic District. City officials stated that most of the existing curb and gutter, drainage would not have to be replaced. Loss of some parking spaces is anticipated. Construction cost is \$1,329,000 and is scheduled for Fiscal Year 1997. Tie-in's will be required at each end. East end has an alternates "1" & "2".

STP-037-2(51) is N-S 1 way pair thru McDonough along U.S. 23/S.R. 42. This project will also require a study to determine boundary of the Historic District. Existing streets will also be used with a tie-in on north end. County officials recommended upgrading Sloan Street to provide easier access to west bound S.R. 20/81 from southbound lanes on N-S 1 way pair. Construction cost is \$660,000 and is scheduled for Fiscal Year 1999.

Planning

Furnish "Need and Purpose" statement for all projects.

Location

No one present from Location.

