D.O.T. 66

ORIGINAL TO GENERAL FILE

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) Paulding County
P.I. No. 621570

OFFICE Preconstruction

DATE February 12, 1993

FROM 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
Robert E. Humphrey
David Studstill
Herman Griffin
Roland Hinners
Darrell Elwell
George Boulineau
Marion Waters
Charles Law

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) Paulding County
P.I. No. 621570

OFFICE Preconstruction

DATE February 2, 1993

FROM Hoyt J. Lively, Jr., P. E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the widening of SR 61 from SR 120 Conn. to SR 768 south of Dallas for a total of 3.20 miles in Paulding County. The existing roadway consists of 2 lanes. Major structures existing within the limits are: (1) a 135'x38' bridge over abandoned CSX Railroad; (2) a Double 5'x5' box culvert at Mill Creek; (3) two single 4'x6' box culverts. The posted speed is 45 MPH and the design speed is 45/55 MPH. The base year traffic (1998) is 16,850 VPD and the design year traffic (2018) is 29,650 VPD.

The proposed project will widen to provide for 2 lanes rural section in each direction divided by a 20' raised median. The major structures are: (1) Widen the existing bridge over the CSX Railroad; (2) Extend the Double 5'x5' culvert at Mill Creek and the two 4'x4' box culverts to accommodate the proposed roadway. Due to substandard vertical alignment approximately 30 percent of existing roadway will be reconstructed. Traffic will be maintained on the existing roadway during construction.

Environmental concerns include requiring a COE 404 permit; 3 possible UST's exist; an EA will be prepared; 11 displacements - 7 residential, 4 commercial; a public hearing will be held; time saving procedures are not appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	PROG. DATE
Constr(Infl&E/C)	$5,549,280	$1,956,000	Long Range
Rights-of-way	$2,435,000	---	2001
Utilities	LGPA*	---	

*Anticipated

I recommend this project concept be revised to include widening of the bridge over the abandoned CSX Railroad due to future bike path and/or Commuter use on old rail lines. I request this project concept be approved.

HJL/TMR/se

CONCUR: G. C. Lewis
G. C. Lewis
State Highway Engineer

APPROVED: Wayne Shackelford
Wayne Shackelford
Commissioner

D.O.T. 66

Larry CK file

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED

OCT - 2 1992

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) Paulding County
P.I. No. 621570

OFFICE Atlanta

DATE Sept. 28, 1992

FROM Roland Hinners, State Road & Airport Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT Concept Report

Attached is a revised concept on this project. This revision includes attachments that were omitted from the first submission.

RH:RDB:bc
Attachments

cc: Robert Humphrey

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

RECEIVED
OCT 20 1992

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1 (59) Paulding County
P.I. No. 621570
Widen & Reconstruct SR 61 3.2 Miles

OFFICE Atlanta, Georgia

DATE October 19, 1992

FROM Robert E. Humphrey, Project Review Engineer REH BDM

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

SUBJECT **PROJECT CONCEPT REPORT**

We have reviewed the attached Concept Report for this Minor project.

We have received signed cover sheets from the following offices:

Traffic and Safety

District Engineer

Preconstruction - comment

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	~~$3,848,049~~ 4,204,000
Inflation (5% per year) x 4 yrs.	~~769,600~~
E & C (10%)	461,765
Preliminary Engineering (5%)	192,400
Right of Way	2,435,000
Utilities	0

BDM/jmf

Attachments

c: Roland W. Hinners

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

PROJECT CONCEPT REPORT

STP-018-1(59)
PAULDING COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 61
GADOT P.I. NO: 621570

Date of Report: SEP-25-1992

RECOMMENDATION FOR APPROVAL

10-02-92 DATE	Roland Hanson State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

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

PROJECT CONCEPT REPORT

STP-018-1(59)
PAULDING COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 61
GADOT P.I. NO: 621570

Date of Report: AUG-28-1992

RECOMMENDATION FOR APPROVAL

9-14-92	
DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) Paulding County
P.I. No. 621570

OFFICE Atlanta

DATE Sept. 14, 1992

FROM Roland Hinners, State Road & Airport Design Engineer

TO Robert Humphrey, Project Review Engineer

SUBJECT Project Concept Report Approval

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

RH:RDB:bc
Attachment

cc: John Lively
Wayne Hutto, w/att
David Studstill, w/att
Ron Colvin, w/att
Felton Rutledge, w/att
FHWA, w/att

SEP 1992
RECEIVED
Office of Engineering Services
G. D. T.

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

OCT 1992
REC'D.
Office of
Engineering Services
D.O.T.

PROJECT CONCEPT REPORT

STP-018-1(59)
PAULDING COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 61
GADOT P.I. NO: 621570

Date of Report: AUG-28-1992

RECOMMENDATION FOR APPROVAL	
9-14-92	
DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
10-1-92	
DATE	State Traffic & Safety Engineer
DATE	District Engineer
DATE	State Bridge Engineer

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OCT 1992
REC'D.
Office of
Engineering Services
D.O.T.

INTERDEPARTMENT CORRESPONDENCE

FILE Project No. STP-018-1 (59)
Paulding County
P.I. No. 621570

OFFICE Atlanta, GA

DATE September 30,1992

FROM 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 SR 61 from the SR 120 connector to SR 768. The existing two lane roadway will be widened to a four lane section with a 20 ft. raised median. We believe this concept will improve safety and operational capacity along this section of roadway. We therefore find this report satisfactory for approval.

RC:CKE:sm

Attachment (signature page)

cc: Roland Hinners
Felton Rutledge

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) Paulding County
P.I. No. 621570

OFFICE Preconstruction

DATE September 23, 1992

FROM C. Wayne Hutto, Assistant Director of Preconstruction TMR

TO Roland Hinners, State Road and Airport Design Engineer

SUBJECT CONCEPT REPORT

The concept report for this project has been reviewed and is considered to be satisfactory except as noted below:

There is no mention of shoulder widths existing or proposed.

There are no typical sections attached. The concept cannot be approved without typical sections.

The culverts to be extended are not denoted by name, location, or structure ID#.

Is the bridge over the CSX Railroad to be retained as is?

The sufficiency rating is not listed.

CWH/TMR/se

cc: Robert E. Humphrey

SEP 1992
Engineering Services
D.O.T.

SEP 1992

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

PROJECT CONCEPT REPORT

STP-018-1(59)
PAULDING COUNTY

FEDERAL ROUTE NO:
STATE ROUTE NO: 61
GADOT P.I. NO: 621570

Date of Report: AUG-28-1992

RECOMMENDATION FOR APPROVAL

9-14-92 DATE	State Road & Airport Design Engineer
DATE	State Environmental Engineer
DATE	State Traffic & Safety Engineer
9-16-92 DATE	District Engineer
DATE	State Bridge Engineer

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

SEP 1992

INTERDEPARTMENT CORRESPONDENCE

FILE STP-018-1(59) PAULDING COUNTY
P.I. No. 621570

OFFICE Cartersville

DATE September 16, 1992

FROM Felton D. Rutledge, District Engineer

TO Robert Humphrey, Project Review Engineer

SUBJECT **CONCEPT REPORT APPROVAL**

Attached is the approval sheet for the Concept Report on the above file project for your further handling.

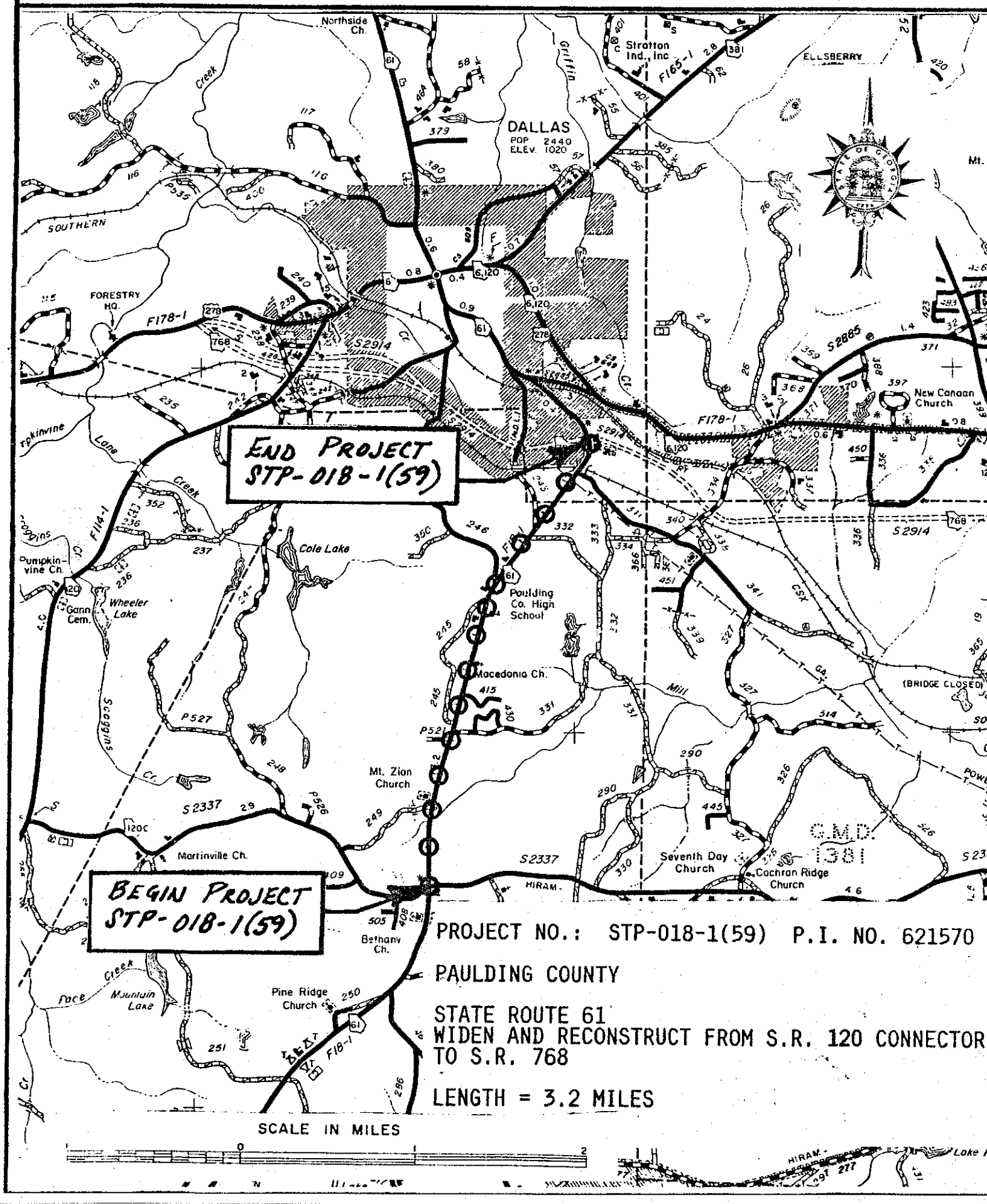
If we may be of further assistance, please advise.

William H. McVey
Preconstruction Engineer
District Six

FDR:WHM:djd

Attachment

LOCATION SKETCH



PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-018-1(59)

PROJECT LOCATION & DESCRIPTION

STP-018-1(59) IS THE WIDENING AND RECONSTRUCTION OF SR 61 FROM SR 120 CONNECTOR CONTINUING NORTH ALONG SR 61 TO SR 768. PROPOSED CONSTRUCTION WILL WIDEN THE EXISTING 2 AND 3 LANE ROADWAY TO A 4 LANE DIVIDED ROADWAY RURAL SECTION WITH A 20 FOOT RAISED MEDIAN.

PROJECT LENGTH: 3.200 MILES

TRAFFIC

CURRENT		PROJECTED	
YEAR	AADT	YEAR	AADT
1998	16850	2018	29650

PDP CLASSIFICATION	CA	FUNCTIONAL CLASSIFICATION
MINOR EXISTING	X	RURAL MINOR ARTERIAL

PROJECT NEED & PURPOSE

PROJECT STP-018-1(59) PROVIDES ADDITIONAL CAPACITY REQUIRED FOR FUTURE GROWTH IN THE AREA AS SR 61 IS THE ONLY CONTINUOUS NORTH-SOUTH CORRIDOR IN PAULDING COUNTY LINKING DALLAS TO BOTH CARTERSVILLE (NORTH) AND I-20 (SOUTH). THE PURPOSE OF THIS WIDENING PROJECT IS TO EASE TRAFFIC CONGESTION AND INCREASE SAFETY ALONG THIS BUSY STRETCH OF ROADWAY.

EXISTING ROADWAY

TYPICAL SECTION: 2 & 3 LANE ROAD WITH 4' GRASSED SHOULDERS

R/W WIDTH 100 FT

POSTED SPEED 45 MPH

MAX DEGREE OF CURVE 5.00 DEG.

MAX GRADE 6.00 %

MAJOR STRUCTURES:

1. 135'X38' BRIDGE OVER ABONDONED CSX RAILROAD WITH CONCRETE SUPERSTRUCTURE & SUBSTRUCTURE & 49.2 SUFFICIENCY RATING
2. DOUBLE 5'X5' CULVERT ON MILL CREEK
3. 2 SINGLE 4'X4'BOX CULVERT

PROPOSED ROADWAY

TYPICAL SECTION: 4 LANE RURAL DIVIDED WITH A 20' RAISED MEDIAN AND 10' SHOULDERS WITH 4' PAVED

DESIGN SPEED 45/55 MPH

MAX DEGREE OF CURVE;
ALLOWABLE: 5.00 DEG.
PROPOSED: 5.00 DEG.

MAX GRADE;
ALLOWABLE: 5.00 %
PROPOSED: 5.00 %

MAJOR STRUCTURES: WIDEN EXIST BRIDGE TO 135'X 92' AND EXTEND THE DOUBLE 5' X 5' AND 2 SINGLE 4'X 4' BOX CULVERTS

PROPOSED RIGHT OF WAY

R/W WIDTH 180 FT

DISPLACEMENTS

RES.: 07 BUS.: 04 M.H.: 00

TYPE OF ACCESS CONTROL: ACCESS CONTROLLED BY DRIVEWAY PERMIT

COORDINATION

CONCEPT TEAM MEETING DATE: DECEMBER 12, 1991

LOCATION INSPECTION DATE: NONE

PERMITS REQUIRED (COE,404,etc.): COE, 404

LEVEL OF PUBLIC INVOLVEMENT: A PUBLIC HEARING WILL BE HELD

TIME SAVING PROCEDURES APPROPRIATE: NO

OTHER PROJECT IN THE AREA: HES-018-1(60)

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: PROJECT WILL BE CONSTRUCTED UNDER TRAFFIC

LEVEL OF ENVIRONMENTAL ANALYSIS: ENVIRONMENTAL ASSESSMENT

DESIGN VARIATIONS REQUIRED: NONE

UNDERGROUND STORAGE TANKS: 3 POSSIBLE SITES

HAZARDOUS WASTE SITES: NONE

ALTERNATIVES CONSIDERED

1. NO BUILD.

DISCOUNTED BECAUSE OF FAILURE TO MEET PROJECT NEED

ESTIMATED COST

CONSTRUCTION:	$ 4,204,000	RIGHT-OF-WAY:	$ 2,435,000
E & C (10) :	$ 420,400	ACQUIRED BY:	D.O.T.
INFLATION :	$ 872,946	UTITLITES :	$ 0
		ADJUSTED BY:	LPGA

TOTAL CONSTRUCTION COST: $ 5,497,346

COMMENTS: DUE TO THE INADEQUATE EXISTING VERTICAL ALIGNMENT APPROXIMATELY 30% OF THE EXISTING PAVEMENT WILL BE REMOVED IN ORDER TO MEET THE SPEED DESIGN OF 45/55 MPH.

ATTACHMENTS: TYPICAL SECTION, CONCEPT TEAM MEETING, COST ESTIMATE, PREPROGRAM DOCUMENT

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-018-1(59) COUNTY: PAULDING

DATE: SEP-25-1992 ESTIMATED LETTING DATE: JUL-05-1996

PREPARED BY: RON BRAZIEL PROJECT LENGTH (MILES): 3.200

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

PROJECT COST

A. RIGHT-OF-WAY:

1. PROPERTY (land & easement)	$	377,000
2. DISPLACEMENTS:Res.07 Bus.04 M.H.00	$	1,150,000
3. OTHER COST (adm./court,inflation)	$	908,000
SUBTOTAL:A	$	2,435,000

B. REIMBURSABLE UTILITIES:

1. RAILROAD	$	0
2. TRANSMISSION LINES	$	0
3. SERVICES	$	0
SUBTOTAL:B	$	0

C. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS	$	50,000
b. BRIDGES	$	350,000
c. DETOUR BRIDGES	$	0
d. BOX CULVERTS	$	450,000
SUBTOTAL:C-1	$	850,000

2. GRADING AND DRAINAGE:

a. EARTHWORK	$	200,000
b. DRAINAGE:		
1) Cross Drain Pipe (exc.box culverts)	$	41,000
2) Curb and Gutter	$	225,000
3) Longitudinal System(incl.catch basins)	$	6,000
SUBTOTAL:C-2	$	472,000

3. BASE AND PAVING:

a. AGGREGATE BASE (specify type of base)	$	766,000
b. ASPHALT PAVING: Surface $ 307,500; Binder $ 409,000; Base $ 670,500		
SUBTOTAL:C-3.b	$	1,387,000
c. CONCRETE PAVING	$	0
d. OTHER	$	66,000
SUBTOTAL:C-3	$	2,219,000

4. LUMP ITEMS:

a. TRAFFIC CONTROL	$	100,000
b. CLEARING AND GRUBBING	$	248,000
c. LANDSCAPING	$	20,000
d. EROSION CONTROL	$	110,000
e. DETOURS	$	0
SUBTOTAL:C-4	$	478,000

5. MISCELLANEOUS:

a. LIGHTING	$	0
b. SIGNING - STRIPING - SIGNAL	$	160,000
c. GUARDRAIL	$	25,000
d. SIDEWALK - MEDIAN BARRIER	$	0
SUBTOTAL:C-5	$	185,000

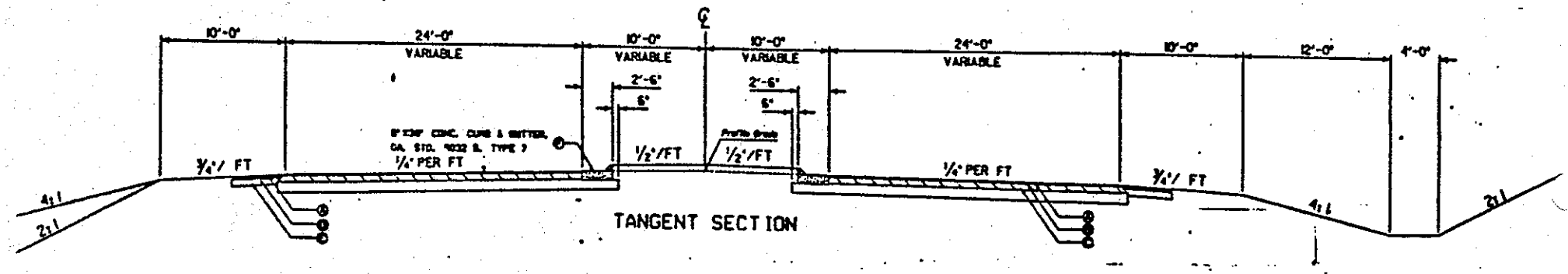
6. SPECIAL FEATURES	SUBTOTAL:C-6	$	0

ESTIMATE SUMMARY

A. RIGHT-OF-WAY		$ 2,435,000
B. REIMBURSABLE UTILITIES		$ 0
C. CONSTRUCTION		
1. MAJOR STRUCTURES	$ 850,000	
2. GRADING AND DRAINAGE	$ 472,000	
3. BASE AND PAVING	$ 2,219,000	
4. LUMP ITEMS	$ 478,000	
5. MISCELLANEOUS	$ 185,000	
6. SPECIAL FEATURES	$ 0	
SUBTOTAL CONSTRUCTION COST	$ 4,204,000	
E. & C. (10%)	$ 420,400	
INFLATION (5% PER YEAR)	$ 872,946	
TOTAL CONSTRUCTION COST		$ 5,497,346
GRAND TOTAL PROJECT COST		$ 7,932,346

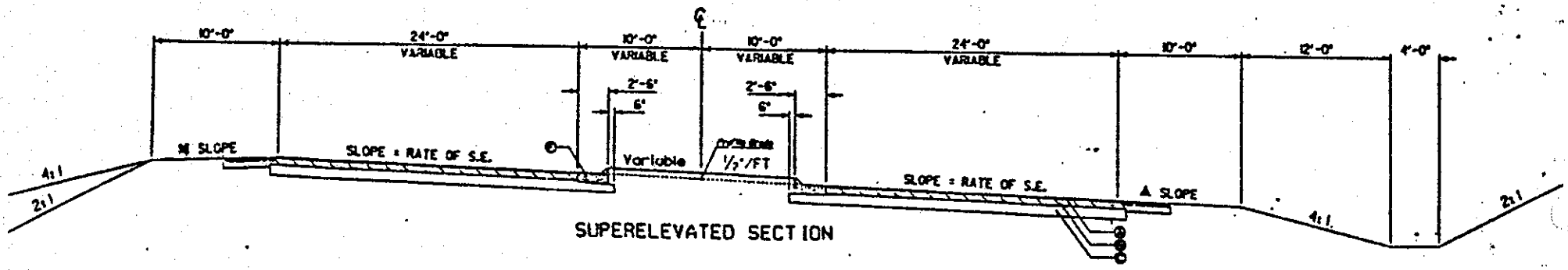
TYPICAL SECTIONS

PROJECT NO: STP-018-1(59)



TANGENT SECTION

APPLIES TO S.R. 120 CONN. TO S.R. 768



SUPERELEVATED SECTION

NOTE: An additional 2'-0" to the shoulder will be required on all 2:1 fill slopes to facilitate the installation of guardrail.

▲ SLOPE 3/4" / 1'-0" OR RATE OF S.E. WHICHEVER IS GREATER

□ SLOPE AS FOLLOWS:
S.E. RATE OF 0.03"/FT OR LESS USE 1/2" IN 1'-0"
S.E. RATE OF 0.04"/FT. USE 5/8" IN 1'-0"
S.E. RATE OF 0.05"/FT. USE 3/4" IN 1'-0"
S.E. RATE OF 0.06"/FT. USE 7/8" IN 1'-0"
S.E. RATE OF 0.08"/FT. USE +0.01"/FT

ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.07"/FT

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE FR-018-1(59) Paulding County
P.I. No. 621570

OFFICE Atlanta

DATE Dec. 17, 1991

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

TO SEE DISTRIBUTION

SUBJECT Concept Meeting Minutes

A concept meeting on the above project was held in the Office of Road and Airport Design on Thursday, December 12, 1991.

Persons in attendance included: Jim Kennerly, Ron Braziel, Carol Bowler, Tim Cole, Ken Elsberry, Joe Watson, Ken Estes, Herman Griffin, Bill McVey, Robert Sammons, Bob Gardner, David Ford, Bascombe Hughes, Wayne Hutto, Richard Williams, Susan Knudson, and Lori Kennedy.

PROJECT DESCRIPTION: The proposed Project FR-018-1(59) shall consist of the widening and reconstruction of approximately 1.2 miles of SR 61. The project begins at a point 1500 feet south of CR 245 and ends at SR 768, the Dallas Bypass. The existing two lane roadway is proposed to be widened to a four lane roadway with a 20 ft. raised grassed median. Widening of SR 61 begins on the east side up until CR 243, where widening shifts symmetrically to the end of the project at SR 768.

Layouts on aerial photography were displayed and discussed. During this discussion the following items were pointed out:

1. Richard Williams of the Office of Environmental/Location indicated two possible historical sites exist on the west side of SR 61 and an historical 1936 bridge is located on SR 61 over CSX railroad. The historical sites will not be effected and the bridge will lose its historical value when the railings are removed due to the widening.

2. A complete environmental analysis, including UST investigation is requested from the Office of Environment/location.

3. Ron Braziel discussed the accident data report which was provided by Traffic and Safety. He indicated that a large number of rear end collisions occurred on this project along SR 61 during the past three years. Ken Estes of Traffic and Safety stated that we need to coordinate project No. HES-18-1(60) intersection improvement with District 6. HES-18-1(60) is currently being designed and adds a left turn lane on SR 61 at CR 341 and includes the removal of the nearby CSX railroad bridge, let date June 1992.

4. The traffic count data has not been received.