

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-1038(3) Haralson County **OFFICE** Preconstruction
P. I. No. 641920

DATE July 13, 2000

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/cj

Attachment

DISTRIBUTION:

Tom Turner
David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Paul Liles
Don Mills
Jimmy Chambers (ATTN: Ted Cashin)
Kent Sager

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-1038(3) Haralson County **OFFICE** Preconstruction
P.I. No. 641920 **DATE** June 15, 2000

FROM 
Thomas L. Turner, P.E., Director of Preconstruction

TO J. Tom Coleman, Jr., Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the construction of two passing lanes on SR 120 between Tallapoosa and Buchanan in Haralson County. The proposed passing lanes are as follows:

Site 1	ML 2.3 - 3.4	eastbound
Site 2	ML 5.05 - 6.2	westbound

State Route 120 between Tallapoosa and Buchanan has rolling terrain with passing prohibited along the entire segment. This project will provide safe passing eastbound (Site 1) and westbound (Site 2) in a relatively high volume area and improve the functional capacity of the route. The existing roadway consists of two, 12' lanes with 2' - 4' shoulders on 100' of existing right-of-way. The existing major structure is a triple 8' x 6' concrete culvert on Site 1. The base year traffic (2007) varies from 4,200 - 5,300 VPD and the design year traffic (2027) varies from 6,900 - 9,600 VPD. The posted speed and the design speed are 55 MPH.

The proposed construction will provide three, 12' lanes with 8' rural shoulders (2' paved) on 150' minimum proposed right-of-way at both sites. This project proposes to stripe out the passing lane at MP 3.2 and provide a left turn lane/center turn lane into Haralson County High School (MP 3.2 - 3.4). A center turn lane will be provided at MP 5.05 - 5.25 at Haralson County Middle School. A right turn lane will also be provided at this location. Traffic will be maintained utilizing staging during construction.

Environmental concerns include requiring a COE 404 Permit; a Categorical Exclusion will be prepared; a public hearing is not required; time saving procedures are appropriate.

STP-1038(3) Haralson

June 15, 2000

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$3,050,000	\$2,598,000	2005	04-07
Right-of-Way	\$ 111,000	\$ 267,000		
Utilities*	\$ 318,000	-----		

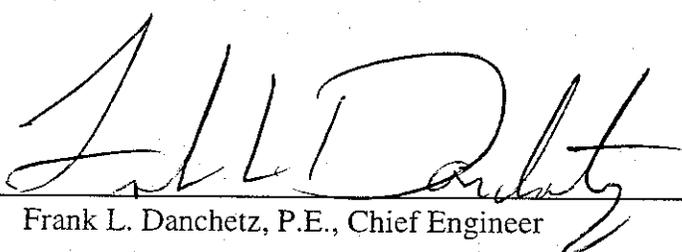
*LGPA to be sent.

This project is in the STIP. I recommend this project concept be approved.

TLT:JDQ/cj

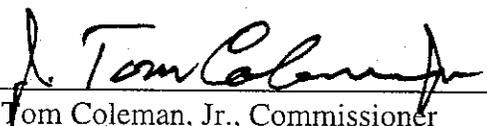
Attachment

CONCUR



Frank L. Danchetz, P.E., Chief Engineer

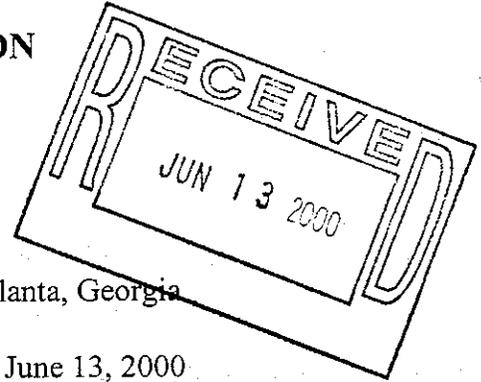
APPROVE



J. Tom Coleman, Jr., Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE



FILE: STP-1038(3) Haralson
P.I. Number 641920

OFFICE: Atlanta, Georgia

DATE: June 13, 2000

FROM: David Mulling, Project Review Engineer *DM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT

We have reviewed the concept report submitted June 7, 2000 by the letter from Kent Sager dated June 5, 2000, and have no comment.

The costs for the project are:

Construction	\$2,311,000
Inflation	\$ 462,000
E&C	\$ 277,000
Reimbursable Utilities	\$ 318,000
Right of Way	\$ 111,000

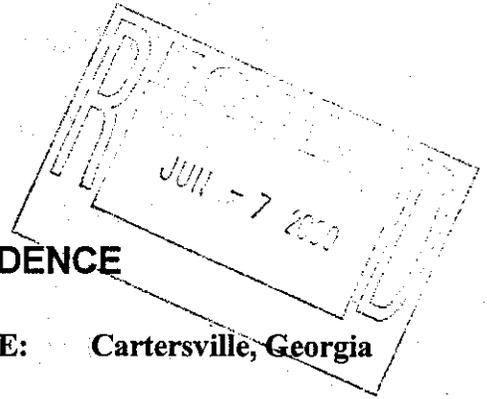
DTM

c: Kent Sager

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE



FILE: STP 1038 (3) Haralson County
P.I. No. 641920

OFFICE: Cartersville, Georgia

DATE: June 5, 2000

FROM: Kent L. Sager, District Engineer

TO: Wayne Hutto, Assistant Division Director of Preconstruction

SUBJECT: Project Concept Report

Attached is a copy of the concept report for project STP 1038 (3) Haralson County. Copies have been forwarded to the appropriate offices for review and comment.

If additional information is needed, please give me a call. As always, your assistance is greatly appreciated.

By: 
Curtis DeWayne Comer
Preconstruction Engineer

CDC/dlt
Attachments:

cc:
David Mulling
Marion Waters
David Studstill
Marta Rosen
Herman Griffin
Paul Liles
Andy Rikard
File

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

RECOMMENDATION FOR APPROVAL

6-5-2000

Date

Curtis D. Corn

Project Manager

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and/or the STIP.

Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}
District Engineer

Date

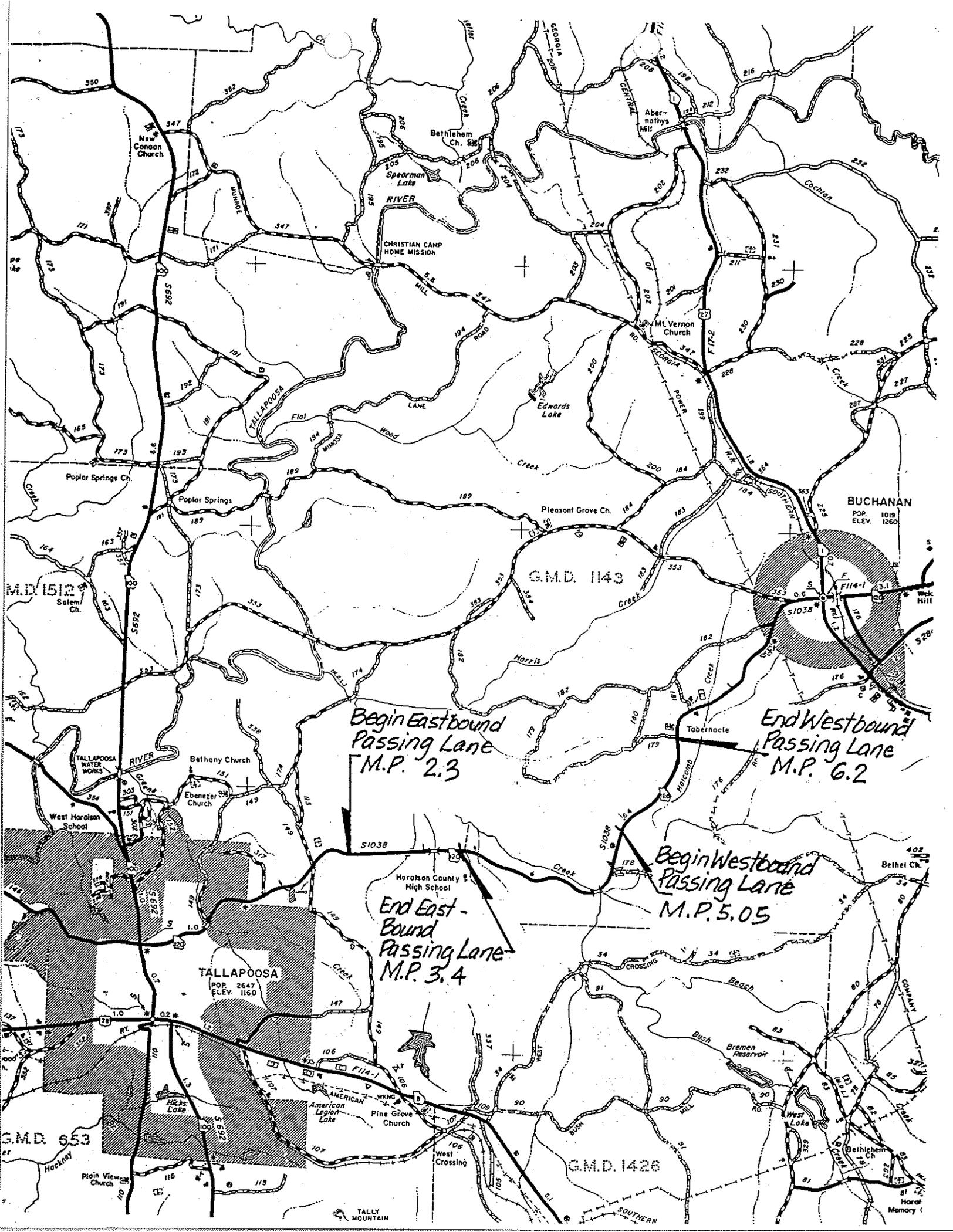
Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer



Begin Eastbound
Passing Lane
M.P. 2.3

End Westbound
Passing Lane
M.P. 6.2

End East-
Bound
Passing Lane
M.P. 3.4

Begin Westbound
Passing Lane
M.P. 5.05

TALLAPOOSA
POP. 2647
ELEV. 1160

BUCHANAN
POP. 1019
ELEV. 1260

G.M.D. 1143

M.D. 1512
Salem Ch.

G.M.D. 653

G.M.D. 1426

TALLY MOUNTAIN

HORROR MEMORY

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP 1038 (3) Haralson

PROJECT LOCATION AND DESCRIPTION

An eastbound passing lane from Mile Post 2.3 to 3.4 . A westbound passing lane from Mile Post 5.05 to 6.2. Propose to stripe the passing lane out to provide for a left turn lane into Haralson County High School (MP 3.2) and add a center left turn lane at this location. Also propose to lengthen the existing center left turn lane at Haralson County Middle School (MP 5.25), as well as to construct a right turn lane at this location as well.

PROJECT LENGTH:

2.25 MILES

TRAFFIC

CURRENT

PROJECTED

YEAR	AADT	YEAR	AADT
2007 – Site 1	4,200	2027 – Site 1	6,900
2007 – Site 2	5,300	2027 – Site 2	9,600

PDP CLASSIFICATION

FUNCTIONAL CLASSIFICATION

Minor

Rural Major Collector

FULL OVERSIGHT ()

EXEMPT (X)

N/A ()

NEED AND PURPOSE

This section of State Route 120 between Tallapoosa and Buchanan is striped 100% double yellow. In order to provide passing opportunities, District 6 recommends these passing lanes to provide passing relief. The center left turn lanes and right turn lanes are needed at the schools for safety as well as operational improvements.

EXISTING ROADWAY

TYPICAL SECTION: 2 – 12 ft. lanes, with 2 to 4 ft. shoulders		RIGHT-OF-WAY WIDTH 100 ft. Existing
POSTED SPEED	MAXIMUM DEGREE OF CURVE	MAXIMUM GRADE
55 MPH	< 6 degrees	< 7%

MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH	PRIORITY RATING	SUFF. RATING
143-0013-0 - Triple barrel 8' X 6' Concrete Culvert	38'	26'		90.6

HAZARD INDEX:

PROPOSED ROADWAY

TYPICAL SECTION: ^{3/} 12 ft. lanes, with 8 ft. shoulders. The 2 ft. existing paved shoulder to be removed and then replaced.

DESIGN SPEED	MAXIMIM DEGREE OF CURVE		MAXIMUM GRADE	
MPH 55	ALLOWABLE	6 degrees	ALLOWABLE	7 %
	PROPOSED	< 6 degrees	PROPOSED	< 7 %

PROPOSED MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
143-0013-0 Extend existing triple barrel 8' X 6' concrete culvert 26'.	64'	26'

PROPOSED RIGHT-OF-WAY

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS		
Proposed 150 ft. overall	25	RES.: 0	BUS.0	M.H.:0

TYPE OF ACCESS CONTROL: Controlled by permit

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: Nov. 1, 1999

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

P.A.R. MEETING: N/R

PERMITS REQUIRED: None

LEVEL OF PUBLIC INVOLVEMENT : Public information meeting

TIME SAVING PROCEDURES APPROPRIATE: Yes

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL:

6 MONTHS

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 4 MONTHS
TIME TO COMPLETE 404 PERMIT: Concurrent with environmental MONTHS
TIME TO COMPLETE FINAL CONSTRUCTION PLANS 4 MONTHS
TIME TO BUY RIGHTS-OF WAY: 18 MONTHS

OTHER PROJECTS IN THE AREA: None with compatible let dates

LOCAL GOVERNMENT COMMITMENTS: LGPA not on file

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Stage construction under traffic
LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion
UNDERGROUND STORAGE TANKS: Anticipated at one location
HAZARDOUS WASTE SITES: None Anticipated

DESIGN VARIATIONS REQUESTED

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

ALTERNATIVES CONSIDERED

1. No Build.

ESTIMATED COST

CONSTRUCTION:	2,310,700.00	RIGHT-OF-WAY:	111,375.00
E & C (10%):	231,070.00	ACQUIRED BY:	D.O.T.
INFLATION:	635,442.50	UTILITIES:	318,096.00
(5 yrs at 5% per yr):		ADJUSTED BY:	OWNERS
TOTAL CONST COST:	3,177,212.50		

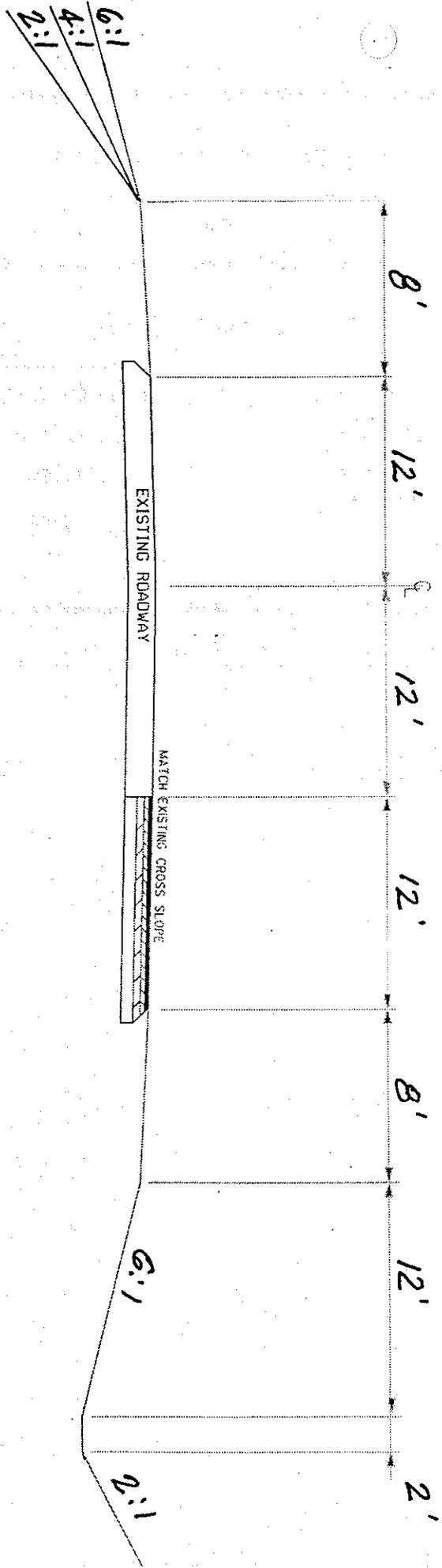
COMMENTS

ATTACHMENTS: Typical Section
Location and Design Approval
Utility Cost Estimate
Construction Cost Estimate

PREPARED BY:

Dennis Thompson

D:\EGN\6419\DWG\MCH.DWG MCH 01 1999 16:38:50



EXISTING ROADWAY

MATCH EXISTING CROSS SLOPE

NOTICE OF LOCATION AND DESIGN APPROVAL

STP 1038 (3) Haralson County
P.I. 641920

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above project.

This project consists of construction of an eastbound passing lane from mile post 2.3 to 3.4 in G.M.D. 1143, and in Land Lots 78 and 61 of the 8th District, and a westbound passing lane from mile post 5.05 to 6.2 in Land Lots 108, 107, and 78 in the 7th District.

Date of Location and Design approval:

This project will construct an eastbound and a westbound passing lane to facilitate passing between Tallapoosa and Buchanan, where no passing opportunities exist.

Drawings or maps of the proposed project as approved are on file and are available for inspection at the Georgia Department of Transportation, 500 Joe Frank Harris Parkway, Cartersville, Georgia, 30120. Or, any interested party may obtain a copy of the drawings, maps of plats by writing to the Georgia Department of Transportation, No. 2 Capitol Square, Atlanta, Georgia, 30334, and paying a nominal cost therefor.

Any written request in reference to this Notice SHOULD include the PROJECT AND P.I. NUMBER AS NOTED AT THE TOP OF THIS NOTICE, and may be referred to:

DeWayne Comer
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP 1038 (3)

COUNTY: HARALSON

DATE: MAY 25, 2000

ESTIMATED LETTING DATE: JULY, 2007

PREPARED BY: DENNIS THOMPSON

PROJECT LENGTH 2.25 MILES

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 82,500.00
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 28,875.00
SUBTOTAL:A	\$ 111,375.00
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$
3. SERVICES	\$ 318,096.00
SUBTOTAL:B	\$ 318,096.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES -	\$ 0
a. RETAINING WALLS	\$ 0
b. BRIDGE CULVERT EXTENTION - Extend triple 8'X6' 26 ft.	\$ 39,550.00
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS - Extend existing double 8' X 6' 26 ft.	\$ 28,100.00
SUBTOTAL:C-1	\$ 67,650.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 514,250.00
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 48,200.00
2) Side Drain Pipe	\$ 58,400.00
3) Longitudinal System(include catch basins)	\$ 0
SUBTOTAL:C-2	\$ 620,850.00

PROJECT COST

3. BASE AND PAVING:		
a. AGGREGATE BASE		\$ 218,900.00
b. ASPHALT PAVING: Surface	\$256,200.0	
Binder	\$168,700.0	
Base and Leveling	\$308,100.0	
SUBTOTAL:C-3.b		\$ 733,000.00
c. CONCRETE DRIVEWAY PAVING		\$ 2,500.00
d. AGGREGATE SURFACE COURSE		\$ 50,600.00
SUBTOTAL:C-3		\$ 1,005,000.00
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$ 165,000.00
b. CLEARING AND GRUBBING		\$ 187,500.00
c. LANDSCAPING		\$ 0
d. EROSION CONTROL		\$ 136,700.00
e. DETOURS		\$ 0
SUBTOTAL:C-4		\$ 489,200.00
5. MISCELLANEOUS:		
a. UNDERDRAIN PIPE, FENCING		\$ 13,000.00
b. SIGNING - STRIPING		\$ 12,700.00
c. GUARDRAIL		\$ 94,200.00
d. R/W MARKERS		\$ 8,100.00
SUBTOTAL:C-5		\$ 128,000.00
6. SPECIAL FEATURES	SUBTOTAL:C-6	\$ 0

ESTIMATE SUMMARY

A. RIGHT-OF-WAY		\$ 111,375.00
B. REIMBURSABLE UTILITIES		\$ 318,096.00
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$ 67,650.00	
2. GRADING AND DRAINAGE	\$ 620,850.00	
3. BASE AND PAVING	\$1,005,000.00	
4. LUMP ITEMS	\$ 489,200.00	
5. MISCELLANEOUS	\$ 128,000.00	
6. SPECIAL FEATURES	\$ 0	
SUBTOTAL CONSTRUCTION COST		\$2,310,700.00
E. & C. (10%)		\$ 231,070.00
INFLATION (5% PER YEAR)		\$ 635,442.50
NUMBER OF YEARS	5	
TOTAL CONSTRUCTION COST		\$ 3,177,212.50
GRAND TOTAL PROJECT COST		\$3,606,683.50

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

RECOMMENDATION FOR APPROVAL

6-5-2000

Date

Curtis D. Corn

Project Manager

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and/or the STIP.

6-12-00

Date

[Signature]

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}

District Engineer

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

RECOMMENDATION FOR APPROVAL

6-5-2000

Date

Curtis D. Corum

Project Manager

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Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}

District Engineer

6/13/00

Date

C. J. Macey

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

RECOMMENDATION FOR APPROVAL

6-5-2000

Date

Curtis D. Corn

Project Manager

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Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}
District Engineer

Date

Project Review Engineer

Date

State Traffic Operations Engineer

6-17-00

Date

Paul V. Tiller Jr.
State Bridge & Structural Engineer

Department of Transportation State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: STP-1038(3)/Haralson County
P.I. No. 641920

Office: Traffic Operations
Atlanta, Georgia
Date: June 8, 2000

From:  M.G. Waters, III, P.E., State Traffic Operations Engineer
To: Wayne Hutto, Assistant Director of Preconstruction

Subject: Project Concept Report Review

We have reviewed the concept report on the above project for the inclusion of passing lanes on SR 120, between Tallapoosa and Buchanan. The additional lane in the eastbound direction begins at MP 2.3 ending at MP 3.4, and in the westbound direction it begins at MP 5.05 continuing to MP 6.2, for a total length of construction of 2.25 miles. It is proposed to reduce the length of the eastbound passing lane by ending it prior to MP 3.2, this to provide a center westbound left turn into Haralson County High School. A center left turn lane, at MP 5.25, the Haralson County Middle School, will be lengthened and a right turn lane added.

SR 120, is a rural two lane roadway with 2 to 4 foot shoulders and a posted speed limit of 55mph. A triple barrel 8' X 6' concrete culvert, 38 feet long and 26 feet in width, will be lengthened and widened 26 feet, to accommodate construction of the passing lane. SR 120 typical section will consist of two 12 foot lanes with 8 foot shoulders, of which 2 feet will be paved. Traffic is to be maintained, via staging, during construction.

We do not recommend reducing the length of the eastbound passing lane to provide a westbound left turn into Haralson County High School. Taking a portion of the center lane will force a left lane merge into the right lane and not provide a preferred length of approximately one mile for the passing lane. We do not recommend left lane mergers into right lanes. This project should widen in the westbound direction at this location and an exclusive left turn lane should be incorporated.

We believe this concept will improve safety and traffic operations along this section of roadway.

With the recommended statements, we find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill

Kent L. Sager, District Engineer, Cartersville

Attention: Curtis D. Comer

David Mulling, w/ attachment

Marta Rosen

Chuck Hasty, TMC

General Files

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

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Date

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}

District Engineer

Date

Project Review Engineer

6/18/2000

Date

Maria H. Watson

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

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

PROJECT CONCEPT REPORT

STP 1038 (3) Haralson County

P.I. NUMBER 641920

Federal Route No.: N/A

Date of Report: May 25, 2000

State Route No.: 120

RECOMMENDATION FOR APPROVAL

6-5-2000

Date

Curtis D. Corn

Project Manager

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement (STIP). The concept as presented herein and submitted for approval is consistent with that which is included in the RTIP and/or the STIP.

6-7-00

Date

Merri J. Suffer

State Transportation Planning Administrator

Date

State Environmental/Location Engineer

Date

State Transportation Programming Engineer

6-5-2000

Date

Kent L. Sayer ^{COC}

District Engineer

Date

Project Review Engineer

Date

State Traffic Operations Engineer

Date

State Bridge & Structural Engineer