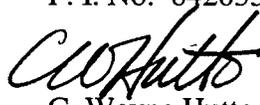


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-828(23) Bartow County **OFFICE** Preconstruction
P. I. No. 642035
DATE October 20, 1999
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

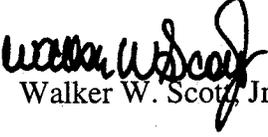
Attachment

DISTRIBUTION:

Walker Scott
David Mulling
David Studstill (ATTN: Harvey Keeper)
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Paul Liles
Don Mills
Charles Law

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA****INTERDEPARTMENT CORRESPONDENCE**

FILE STP-828(23) Bartow County **OFFICE** Preconstruction
P.I. No. 642035 **DATE** August 10, 1999

FROM  Walker W. Scott, Jr., P.E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the construction of three passing lanes on SR 140 between US 411/SR 61 and the Cherokee County line. Site #1 will provide an eastbound passing lane between M.L.'s 19.05 and 20; Site #2 will provide a westbound passing lane between M.L.'s 26.0 to 20.95; Site #3 will provide an eastbound passing lane between M.L.'s 20.95 to 21.90. State Route 140 within the project limits has rolling terrain with passing prohibited along long segments of this route. This project will provide safe passing eastbound (Sites #1 and #3) and westbound (Site #2) in a high volume area and improve the functional capacity and safety of the route. The existing roadway consists of two, 12' lanes with 0'-2' rural shoulders on 100' of existing right-of-way. The base year traffic (2005) is 2,500 VPD and the design year traffic (2025) is 7,500 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 140' of proposed right-of-way at all three sites. The existing culvert over Pine Creek will be extended to accommodate the proposed widening. Design variances will be requested for the existing substandard vertical and horizontal alignment. Traffic will be maintained 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.

Wayne Shackelford
Page 2

STP-828(23) Bartow
August 10, 1999

The estimated costs for this project are:

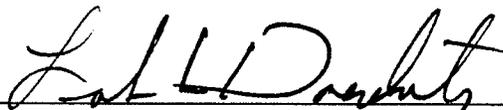
	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG DATE</u>	<u>LET DATE</u>
Construction (includes E&C and inflation)	\$3,814,000	\$1,980,000	2005	03-07
Right-of-Way	\$ 137,000	\$ 35,000		
Utilities*	\$ 186,000	----		

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

WWS:JDQ/cj

Attachment

CONCUR



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

APPROVE



Wayne Shackelford, Commissioner

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: STP-828(23) Bartow
P.I. Number 642035

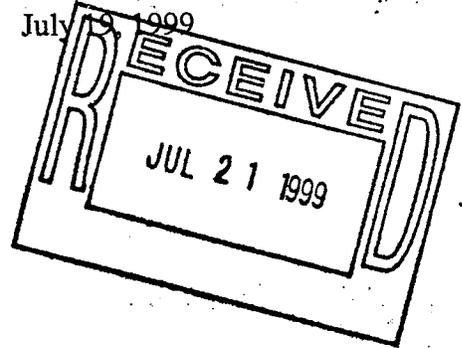
OFFICE: Atlanta, Georgia

DATE: July 21, 1999

FROM: Bob Mustin, Project Review Engineer *BM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted July 16, 1999, and have no comments.

The costs for the project are:

Construction	\$2,783,000
Inflation	\$ 557,000
E&C	\$ 334,000
Preliminary Engineering	\$ 140,000
Reimbursable Utilities	\$ 186,000
Right of Way	\$ 137,000

DTM

c: Charles Law

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

PROJECT CONCEPT REPORT

STP 828 (23) BARTOW
P.I. NUMBER 642035

Federal Route No. :N/A

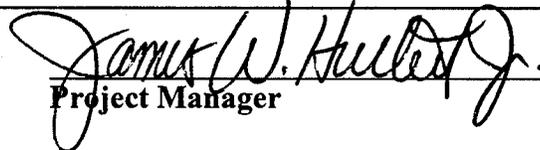
Date of Report: June 24, 1999

State Route No.: 140

RECOMMENDATION FOR APPROVAL

6-25-99

Date


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 Programming Engineer

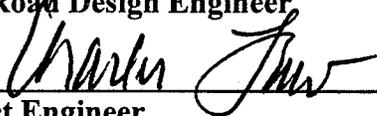
Date

State Environmental/Location Engineer

Date

State Road Design Engineer

6/30/99
Date


District Engineer

Date

Project Review Engineer

Date

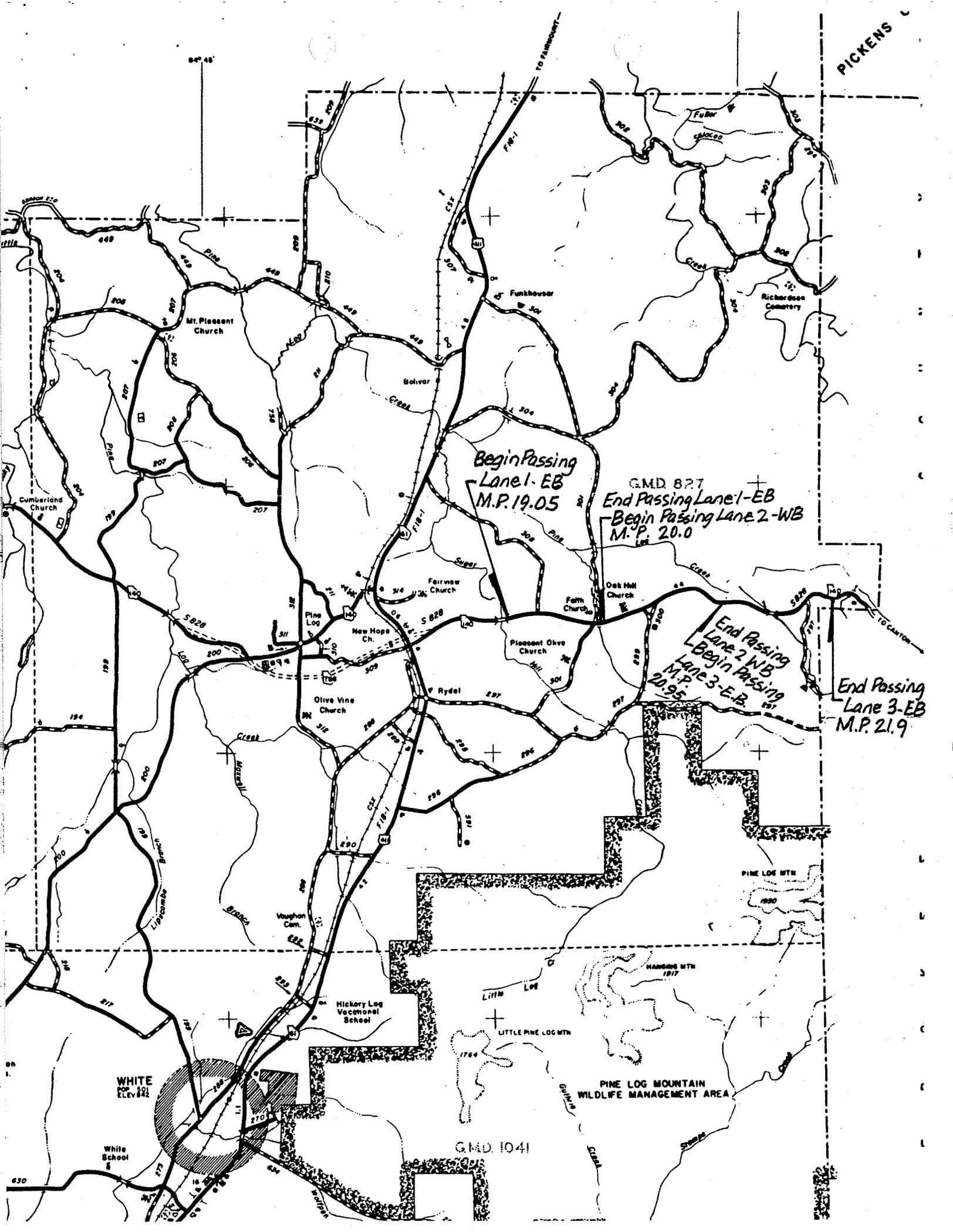
State Traffic Operations Engineer

Date

State Bridge & Structural Engineer

PICKENS

84° 48'



Begin Passing
Lane 1-EB
M.P. 19.05

G.M.D. 827
End Passing Lane 1-EB
Begin Passing Lane 2-WB
M.P. 20.0

End Passing
Lane 2-WB
Begin Passing
Lane 3-EB
M.P. 20.95

End Passing
Lane 3-EB
M.P. 21.9

WHITE
Elev. 822

G.M.D. 1041

PINE LOG MOUNTAIN
WILDLIFE MANAGEMENT AREA

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP 828 (23) BARTOW

PROJECT LOCATION AND DESCRIPTION

Propose two eastbound and one westbound passing lanes between mile post 19.1 and 21.9.

PROJECT LENGTH:

2.8 MILES

TRAFFIC

CURRENT

PROJECTED

YEAR
2005

AADT
2500

YEAR
2025

AADT
7500

PDP CLASSIFICATION

Minor

FUNCTIONAL CLASSIFICATION

Rural Minor Arterial

NON-CA ()

CA ()

EXEMPT (X)

N/A (X)

NEED AND PURPOSE

With proposed traffic volumes of 7500 vehicles per day, and with 8% trucks, passing relief is needed in this mountainous area of Bartow County.

EXISTING ROADWAY

TYPICAL SECTION: 2 – 12 ft. lanes with 0 – 2 ft. shoulders		RIGHT-OF-WAY WIDTH 100 ft. Existing
POSTED SPEED	MAXIMUM DEGREE OF CURVE	MAXIMUM GRADE
55 M.P.H.	7	7.5%

MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH	PRIORITY RATING	SUFF. RATING
N/A				

HAZARD INDEX:N/A

PROPOSED ROADWAY

TYPICAL SECTION: Add one 12 ft. lane to the existing 24 ft. paving, and construct 8 ft. shoulders left and right

DESIGN SPEED	MAXIMIM DEGREE OF CURVE		MAXIMUM GRADE	
MPH 55	ALLOWABLE	6	ALLOWABLE	6 %
	PROPOSED	7	PROPOSED	7.5 %

PROPOSED MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
N/A		

PROPOSED RIGHT-OF-WAY

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS		
An additional 20 ft. left and right will be required.	Approximately 50	RES.: 0	BUS 0	M.H.:0

TYPE OF ACCESS CONTROL: Controlled by permit

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: May 3, 1999

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

P.A.R. MEETING: N/R

PERMITS REQUIRED: N/A

LEVEL OF PUBLIC INVOLVEMENT: Public Information Meeting

TIME SAVING PROCEDURES APPROPRIATE: Yes

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 12 MONTHS

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 9 MONTHS

TIME TO COMPLETE 404 PERMIT: N/A

TIME TO COMPLETE FINAL CONSTRUCTION PLANS 6 MONTHS

TIME TO BUY RIGHTS-OF WAY: 18 MONTHS

OTHER PROJECTS IN THE AREA: None with compatible let date.

LOCAL GOVERNMENT COMMITMENTS: LGPA Not on file.

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Stage Construction

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

UNDERGROUND STORAGE TANKS: None Anticipated

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:	\$ 2,783,305.00	RIGHT-OF-WAY:	\$ 137,430.00
E & C (10%):	\$ 278,330.50	ACQUIRED BY:	D.O.T.
INFLATION:	\$ 612,327.10	REIMBURSABLE UTILITIES:	\$ 186,000.00
(4 yrs at 5% per yr):		ADJUSTED BY:	Owners
TOTAL CONST COST:	\$ 3,673,962.60		

COMMENTS

Propose to build off side shoulders, due to 100% of accidents in last 4 years along this section of roadway could be attributed to substandard shoulder width.

ATTACHMENTS: Typical Sections
Utility Cost Estimate
Floodplain Map
Notice of Location and Design approval

PREPARED BY:

Dennis Thompson
Road Design Engineer

NOTICE OF LOCATION AND DESIGN APPROVAL

STP 0828 (23) Bartow County
P.I. 642035

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 adding passing lanes from M.P. 19.05 to 21.9 in land lots 295, 316, 317, 318, 319, 320, 321 located in the 23 rd district, 2nd section, Bartow County, Georgia.

Date of Location and Design approval:

This project will construct an eastbound passing lane from M.P. 19.05 to 20.0; a westbound passing lane from M.P. 20.0 to 20.95; an eastbound passing lane from M.P. 20.95 TO 21.9.

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:

James Hullett
Preconstruction Office
500 Joe Frank Harris Parkway
Cartersville, Georgia 30120
770-387-3619

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP 828 (23)

COUNTY: BARTOW

DATE: JUNE 24, 1999

ESTIMATED LETTING DATE: JULY, 2003

PREPARED BY: DENNIS THOMPSON

PROJECT LENGTH 2.8 MILES

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

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 101,800.00
2. DISPLACEMENTS; RES:0, BUS;0, M.H.:0	\$ 0
3. OTHER COST (ADM./COST, INFLATION)	\$ 35,630.00
SUBTOTAL:A	\$ 137,430.00
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$ 0
2. TRANSMISSION LINES	\$ 186,000.00
3. SERVICES	\$ 0
SUBTOTAL:B	\$ 186,000.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES	\$ 0
a. RETAINING WALLS	\$ 0
b. BRIDGE CULVERT EXTENTION	\$ 33,550.00
c. DETOURS BRIDGES	\$ 0
d. BOX CULVERTS	\$ 0
SUBTOTAL:C-1	\$ 33,550.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 625,000.00
b. DRAINAGE:	
1) Cross Drain Pipe (exclude box culverts)	\$ 57,600.00
2) Side Drain Pipe	\$ 71,980.00
3) Longitudinal System(include catch basins)	\$ 0
SUBTOTAL:C-2	\$ 754,580.00

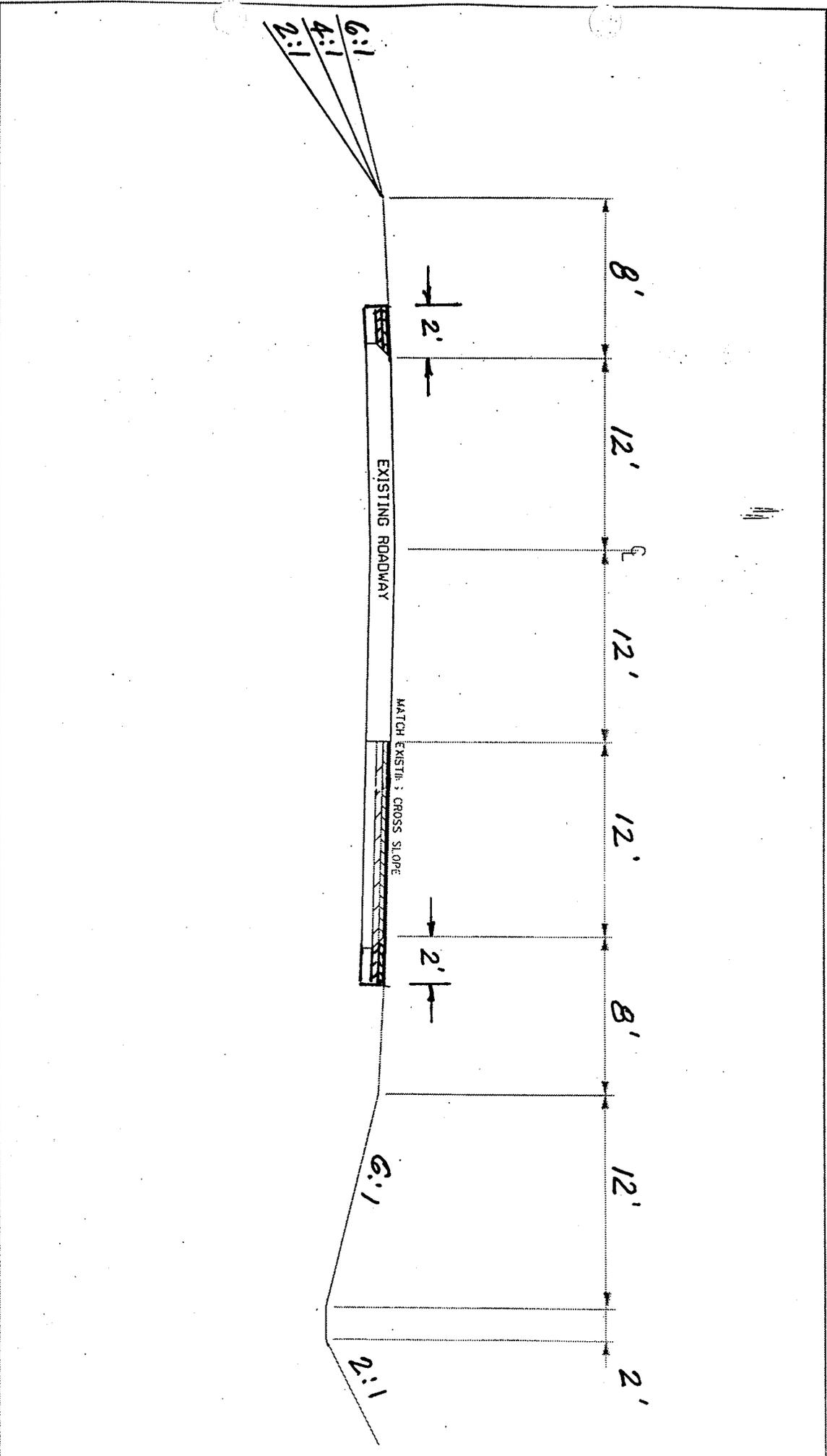
PROJECT COST

3. BASE AND PAVING:		
a. AGGREGATE BASE		\$ 270,000.00
b. ASPHALT PAVING: Surface	\$316,000.0	
Binder	\$208,000.0	
Base and Leveling	\$380,000.0	
SUBTOTAL:C-3.b		\$ 904,000.00
c. CONCRETE DRIVEWAY PAVING		\$ 2,000.00
d. AGGREGATE SURFACE COURSE		\$ 62,400.00
SUBTOTAL:C-3		\$ 1,238,400.00
4. LUMP ITEMS:		
a. TRAFFIC CONTROL		\$ 200,000.00
b. CLEARING AND GRUBBING		\$ 230,000.00
c. LANDSCAPING		\$ 0
d. EROSION CONTROL		\$ 168,825.00
e. DETOURS		\$ 0
SUBTOTAL:C-4		\$ 598,825.00
5. MISCELLANEOUS:		
a. UNDERDRAIN PIPE, FENCING		\$ 16,000.00
b. SIGNING - STRIPING		\$ 15,750.00
c. GUARDRAIL		\$ 116,200.00
d. R/W MARKERS		\$ 10,000.00
SUBTOTAL:C-5		\$ 157,950.00
6. SPECIAL FEATURES _____	SUBTOTAL:C-6	\$ 0

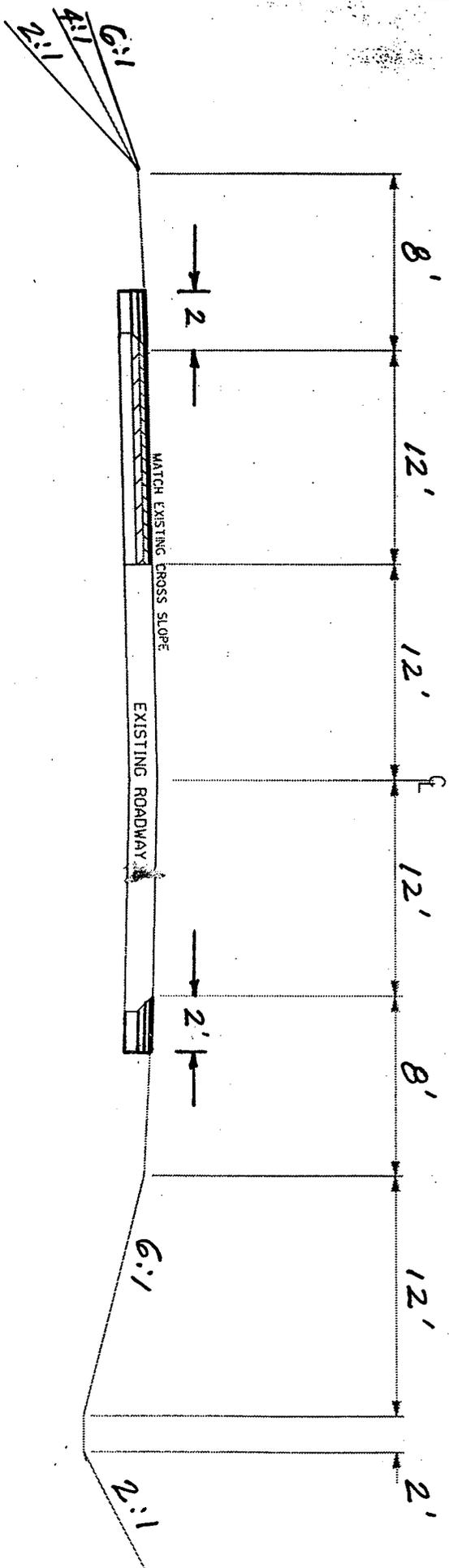
ESTIMATE SUMMARY

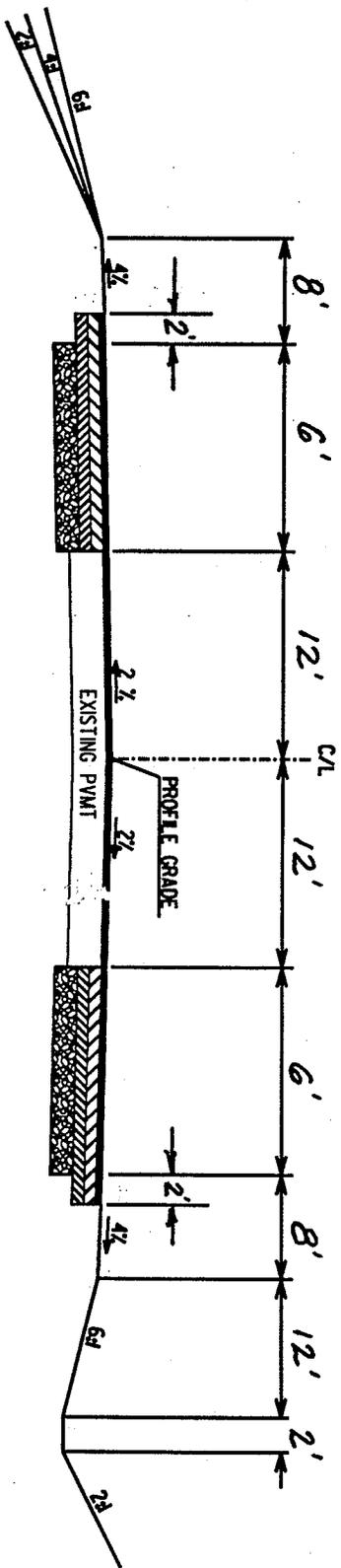
A. RIGHT-OF-WAY			\$ 137,430.00
B. REIMBURSABLE UTILITIES			\$ 186,000.00
C. CONSTRUCTION			
1. MAJOR STRUCTURES	\$	33,550.00	
2. GRADING AND DRAINAGE	\$	754,580.00	
3. BASE AND PAVING	\$	1,238,400.00	
4. LUMP ITEMS	\$	598,825.00	
5. MISCELLANEOUS	\$	157,950.00	
6. SPECIAL FEATURES	\$	0	
SUBTOTAL CONSTRUCTION COST			\$2,783,305.00
E. & C. (10%)			\$ 278,330.50
INFLATION (5% PER YEAR)			\$ 612,327.10
NUMBER OF YEARS		4	
TOTAL CONSTRUCTION COST			\$ 3,673,962.60
GRAND TOTAL PROJECT COST			\$ 3,997,392.60 0

DIAGRAM 6419101V17001.dgn MAP 01.1999 15:32:50



DATE: 01/04/19 10:00:00 AM 01/04/19 10:00:00 AM





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

PROJECT CONCEPT REPORT

STP 828 (23) BARTOW
P.I. NUMBER 642035

Federal Route No. :N/A

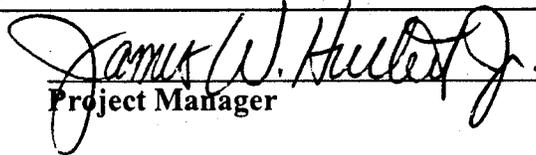
Date of Report: June 24, 1999

State Route No.: 140

RECOMMENDATION FOR APPROVAL

6-25-99

Date


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.

9-13-99

Date


State Transportation ~~Planning~~ ^{PLANNING} ADMINISTRATOR

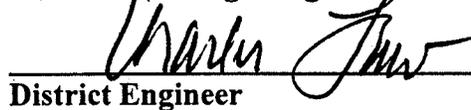
Date

State Environmental/Location Engineer

Date

State Road Design Engineer

6/30/99
Date


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 828 (23) BARTOW
P.I. NUMBER 642035**

Federal Route No. :N/A

Date of Report: June 24, 1999

State Route No.: 140

RECOMMENDATION FOR APPROVAL

6-25-99

Date


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 Programming Engineer

Date

State Environmental/Location Engineer

Date

State Road Design Engineer

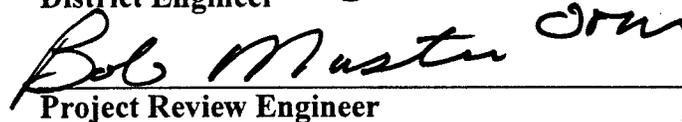
6/30/99

Date


District Engineer

7/19/99

Date


Project Review Engineer

Date

State Traffic Operations Engineer

Date

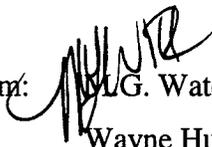
State Bridge & Structural Engineer

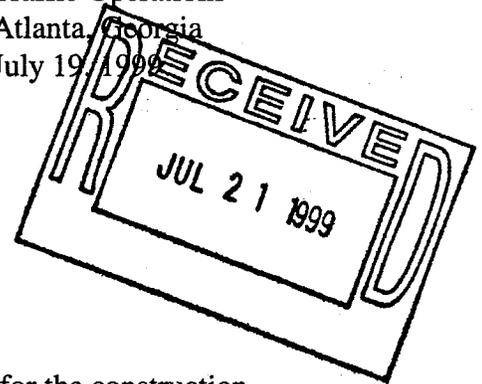
Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: STP-828(23)/Bartow County
P.I. No. 642035

Office: Traffic Operations
Atlanta, Georgia
Date: July 19, 1999

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 construction of passing lanes at three locations along SR 140 between mile points 19.05 and 21.9. An eastbound lane will begin at 19.05 and end at 20.00 where at that point a westbound lane will begin ending at 20.95. The last lane will begin at 20.95 proceeding in the eastbound direction ending at mile point 21.9.

SR 140 is a two lane rural facility with 12 foot lanes, 3 foot shoulders and a posted speed limit of 55mph. This project will add 12 foot passing/climbing lanes at the locations noted above and provide 8 foot shoulders on both sides of the roadway.

With a maximum 7.5% grade and a maximum 7 degree horizontal curvature, both which are substandard and will require design variances, we believe this concept will improve safety and traffic operations along this section of roadway.

We therefore find this report satisfactory for approval.

MGW:TWS

Attachment (signature page)

c: David Studstill
Charles Law, District Engineer, Cartersville
Attention: James Hullett
Bob Mustin, w/ attachment
Marta Rosen
General Files

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

PROJECT CONCEPT REPORT

STP 828 (23) BARTOW
 P.I. NUMBER 642035

Federal Route No. :N/A

Date of Report: June 24, 1999

State Route No.: 140

RECOMMENDATION FOR APPROVAL

6-25-99
 Date

James W. Hullett Jr.
 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 Programming Engineer

 Date

 State Environmental/Location Engineer

 Date

 State Road Design Engineer

6/30/99
 Date

Charles Jones
 District Engineer

 Date

 Project Review Engineer

7/16/99
 Date

Mario Hulet
 State Traffic Operations Engineer

 Date

 State Bridge & Structural Engineer

(1)

0

1