ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-161-1(16) Jasper County
P. I. No. 231730

OFFICE Preconstruction

DATE November 14, 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
Michael Henry
Marion Waters
Marta Rosen
Paul Liles
Jimmy Chambers (ATTN: Ted Cashin)
Mike Thomas
Jim Kennerly

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-161-1(16) Jasper County
P.I. No. 231730

OFFICE Preconstruction

DATE October 24, 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 three (3) passing lanes on SR 83 between the Ocmulgee River and Shadydale in Jasper County. State Route 83 from downtown Monticello north to the county line is designated as "The Monticello Crossroads Scenic Byway." Passing lanes number 2 and 3 are within the limits of the designated byway. The proposed passing lanes are as follows:

SITE	LOCATION	DIRECTION
Site #1	MP 0.25-1.72	northbound
Site #2	MP 17.79-19.15	southbound
Site #3	MP 19.81-21.23	northbound

State Route 83 between the above mentioned limits have rolling terrain with passing prohibited along long segments of the route. The lack of passing on this route creates vehicle delays experienced by platoons traveling behind slower vehicles. This project will provide safe passing northbound (Sites 1 and 3) and southbound (Site 2) in a relatively high volume area and improve the functional capacity of the route. State Route 83 is a rural two lane facility with a posted speed of 55 MPH. The base year traffic (2007) varies from 2,500 - 3,000 VPD and the design year traffic (2027) varies from 4,000 - 4,750 VPD.

The proposed construction will provide three, 12' lanes with 10 rural shoulders (4' paved) on 120' minimum proposed right-of-way at each site. The recommended alternative will minimize impacts to this environmentally sensitive route. The existing roadway consists of three crest vertical curves (35, 2-40 MPH), one sag vertical curve (35 MPH), and five vertical grades which are substandard and do not meet 55 MPH speed design. Design exception will be required for these locations. Traffic will be maintained during construction.

Due to this route being designated as a scenic byway. The scenic byways coordinator recommended to maintain the integrity of the scenic features that would threaten its designation as a scenic byway, that several characteristics be maintained including, but not limited to, keeping the existing vertical and horizontal alignments.

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.

The estimated costs for this project are:

	PROPOSED	APPROVED	PROG DATE	LET DATE
Construction (includes E&C and inflation)	$3,475,000	$4,547,000	2007	06-07
Right-of-Way	$ 166,000	$ 166,000		
Utilities*	-----	-----		

*LGPA to be sent.

This project is in the STIP. I recommend this project concept be approved and alternative "A" be implemented.

TLT:JDQ/cj

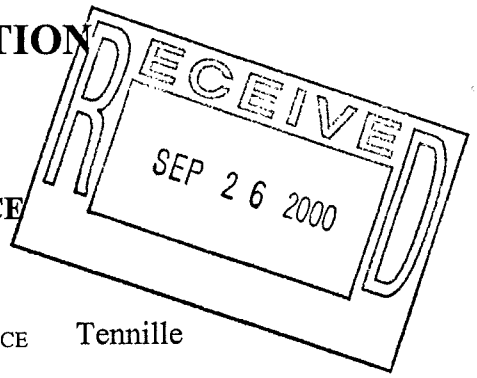
Attachment

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

APPROVE _____
J. Tom Coleman, Jr., Commissioner

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE STP-161-1(16) Jasper County
P.I. No. 231730

OFFICE Tennille

DATE September 25, 2000

FROM George M. Brewer, District Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **CONCEPT REPORT**

We are sending to you attached with this letter, the project concept report for approval on the above-mentioned project.

If any further assistance is needed, please contact me at (912)552-4642.

GMB

cc: Marta Rosen
Herman Griffin
Harvey Keepler
James A. Kennerly
David Mulling
Marion Waters

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT
THREE PASSING LANES ON STATE ROUTE 83

STP-161-1(16)
JASPER COUNTY

U.S. Route No.:	None
State Route No.:	83
GaDOT P.I. No.:	231730
Federal Aid Route No.:	ST1611

Date of Report:

RECOMMENDATION FOR APPROVAL

10/6/00
Date

State Transportation Planning Administrator

This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement Program (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 & Airport Design Engineer

9-21-00
Date

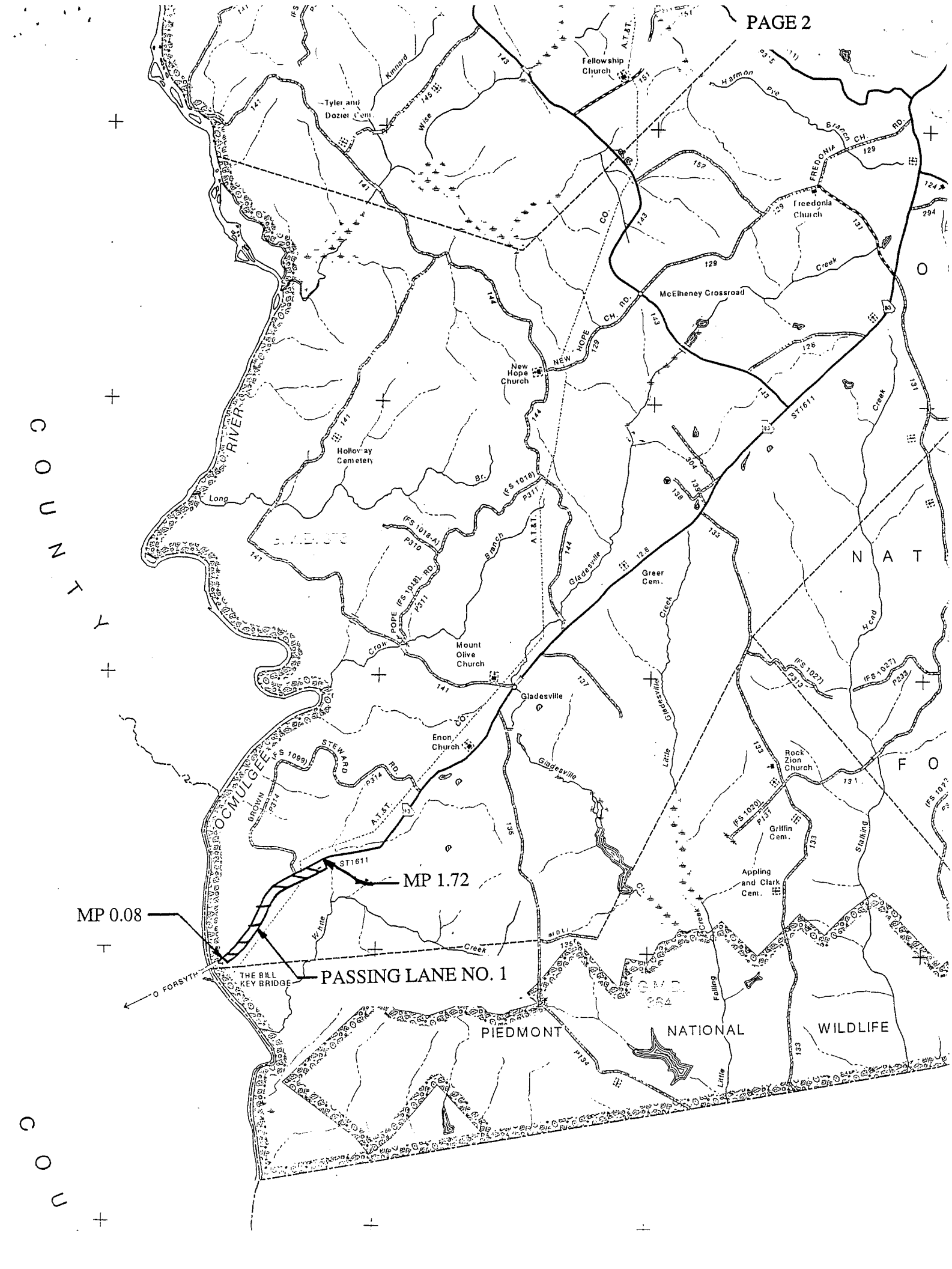
District Engineer/Tennille

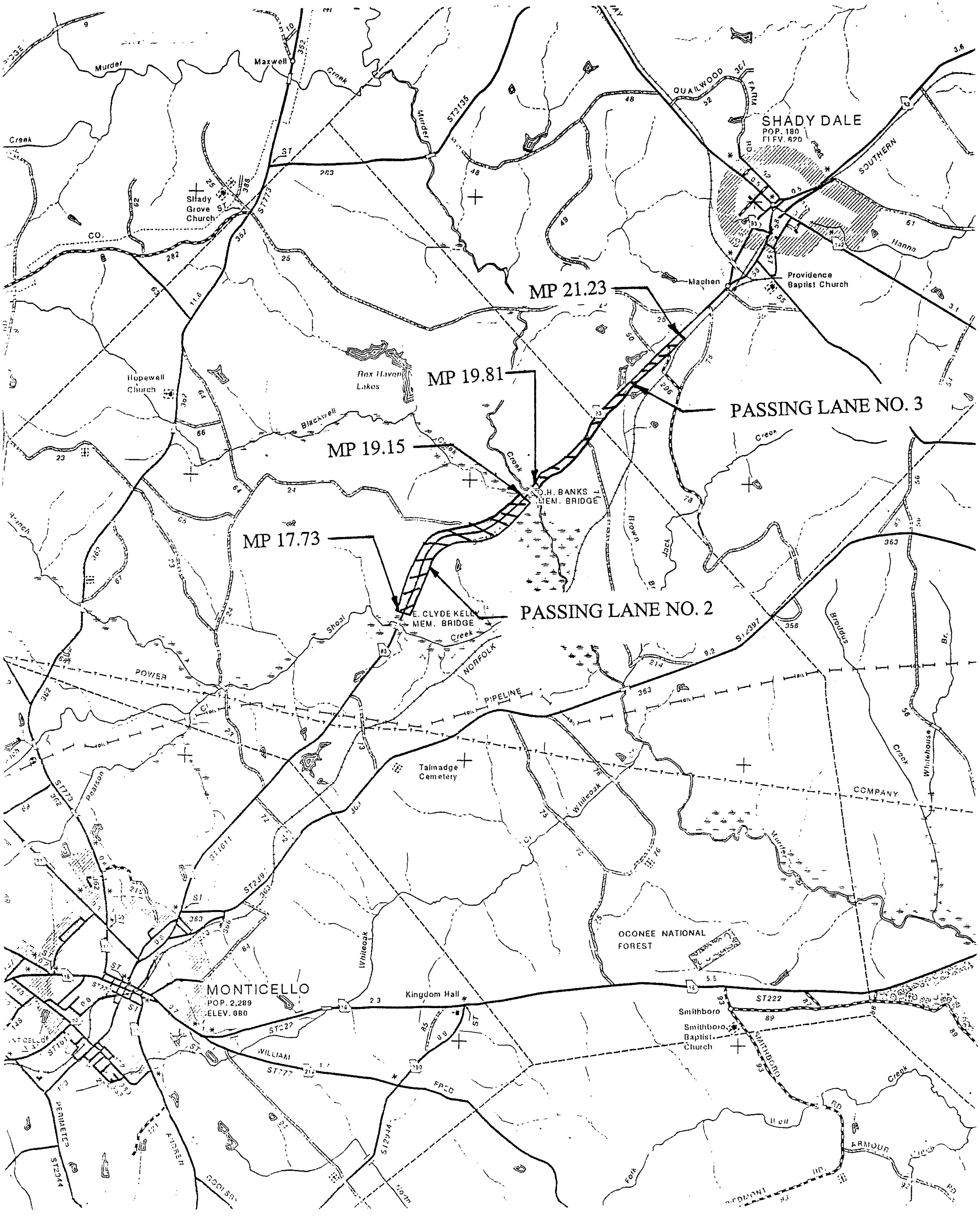
Date

Project Review Engineer

Date

State Traffic Operations Engineer


MP 0.08
MP 1.72
PASSING LANE NO. 1
THE BILL KEY BRIDGE
TO FORSYTH
OCMULGEE
RIVER
Fellowship Church
Tyler and Dozier Cem.
Kimrard
Wise
Harmon
Pyle
Branch CH. RD.
FREEDONIA
Freedonia Church
McElheney Crossroad
NEW HOPE CH. RD.
New Hope Church
Holloway Cemetery
Long
Br.
(FS 1018)
P311
(FS 1018-A)
P310
(FS 1018-B) RD.
P311
POPE
Creek
Mount Olive Church
Gladesville
Greer Cem.
Head
(FS 1027)
P313
P335
Enon Church
STEWARD RD.
(FS 1099)
P314
BROWN
P314
A.T.&T.
ST1611
Rock Zion Church
(FS 1029)
P151
Griffin Cem.
Appling and Clark Cem.
Stalking
Falling
White
Little
PIEDMONT
NATIONAL
WILDLIFE
COUNTY
COUNTY


MP 21.23
MP 19.81
PASSING LANE NO. 3
MP 19.15
MP 17.73
PASSING LANE NO. 2
SHADY DALE
POP. 180
Providence
Baptist Church
Machen
Maxwell
Shady
Grove
Church
Hopewell
Church
Rox Haven
Lakes
O.H. BANKS
MEM. BRIDGE
E. CLYDE KELLY
MEM. BRIDGE
POWER
PIPELINE
COMPANY
NORFOLK
SOUTHERN
Talmadge
Cemetery
OCONEE NATIONAL
FOREST
MONTICELLO
POP. 2,289
Kingdom Hall
Smithboro
Smithboro
Baptist
Church

PROJECT CONCEPT REPORT

PROJECT NUMBER: STP-161-1(16) Jasper County

PROJECT LOCATION AND DESCRIPTION

This project consists of the construction of three passing lanes on SR 83 in Jasper County.

Site	Location	Direction
Passing Lane Number 1	MP 0.25 – 1.72	Northbound
* Passing Lanes Number 2	MP 17.73 – 19.15	Southbound
* Passing Lane Number 3	MP 19.81 – 21.23	Northbound

Passing lanes 2 & 3 are on a designated scenic byway.

TRAFFIC

	CURRENT		PROJECTED	
	YEAR	AADT	YEAR	AADT
Passing Lane 1	2009	3,000	2020	4,750
Passing Lanes 2 & 3	2009	2,500	2020	4,000

PDP CLASSIFICATION	FUNCTIONAL CLASSIFICATION
Minor on existing alignment	Rural Minor Arterial

FOS ( ) EXEMPT (X) N/A ( )

NEED AND PURPOSE

The purpose of this project is to add two northbound passing lanes and one southbound passing lane on SR 83 and thereby improve the functional capacity of this truck route.

EXISTING ROADWAY

TYPICAL SECTION:	2 Lane Rural	RIGHT-OF-WAY WIDTH: Varies 50' to 200'
POSTED SPEED	**MAXIMUM DEGREE OF CURVE**	**MAX. GRADE**
55 mph	6°	6.0%

MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	WIDTH	HEIGHT	SUFF. RATING
Passing Lane 1:			
None			
Passing Lane 2:			
None			
Passing Lane 3:			
Double Box Culvert	5'	5'	N/A

HAZARD INDEX: There will be no railroad involvement.

PROPOSED ROADWAY

TYPICAL SECTION:
3-12' lanes with 10' shoulders (4' paved)

DESIGN SPEED	MAXIMUM DEGREE OF CURVE		MAX. GRADE	
55 mph	ALLOWABLE	6°	ALLOWABLE	4.5%
	PROPOSED	6°	PROPOSED	4.5%

PROPOSED MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
All existing box culverts and pipes will be extended.		

PROPOSED RIGHT-OF-WAY

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS
Varies 120' to 200'	14	0

TYPE OF ACCESS CONTROL: Permit

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE:	July 28, 2000
CONFORMS TO TIP/STIP?	Y_X_ N____
MEETS LOGICAL TERMINI REQUIREMENTS?	Y_X_ N____
P.A.R. MEETING:	Not required
PERMITS REQUIRED:	404 Type 26
LEVEL OF PUBLIC INVOLVEMENT:	None
TIME SAVING PROCEDURES APPROPRIATE:	Yes
SCHEDULING CONSIDERATIONS:	
TIME TO COMPLETE ENVIRONMENTAL:	12 months
TIME TO COMPLETE PRELIM. RD/RW PLANS:	12 months
TIME TO COMPLETE 404 PERMIT:	12 months
TIME TO COMPLETE FINAL CONSTR. PLANS:	9 months
TIME TO BUY RIGHTS-OF-WAY:	18 months
OTHER PROJECTS IN THE AREA:	STP-0000-00(423) Jasper
LOCAL GOVERNMENT COMMITMENTS:	Jasper County will be requested to fund all reimbursable utility relocations.

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION:	All construction will be done under traffic.
LEVEL OF ENVIRONMENTAL ANALYSIS:	Categorical Exclusion
UNDERGROUND STORAGE TANKS:	None
HAZARDOUS WASTE SITES:	None

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

A. Construct the three passing lanes using the existing substandard vertical alignment. Design exceptions would be required for three (35, 40 and 40 mph) crest vertical curves, one (35 mph) sag vertical curve and five vertical grades which do not meet design.

B. Construct the three passing lanes while correcting the existing substandard vertical alignment. On-site detours would be required to maintain traffic during construction. The horizontal alignment may be shifted to aid in maintaining traffic during construction.

C. No build.

ESTIMATED COST

	Alt. "A"	Alt. "B"		
CONSTRUCTION:	$2,474,505	$3,232,000	**RIGHT-OF-WAY:**	$165,700
E & C (10%):	315,000	415,000	**ACQUIRED BY:**	DOT
INFLATION: (3 yrs @ 5% per yr)	685,000	900,000	**UTILITIES:**	LGPA to be submitted
TOTAL CONS'T COST:	$3,474,505	$4,547,000		

COMMENTS

The district recommends Alternate "A" (Retain the substandard vertical alignment) to minimize the impacts to this environmentally sensitive route.

ATTACHMENTS: Cost Estimates, Typical Section, Traffic Data, Pavement Design, Accident Data, Team Meeting Minutes, Right of Way Cost Breakdown Sheet, Utility Cost Estimate, Scenic Byways recommendations

PREPARED BY: George Brewer, District Design Engineer

UD01231730STP-161-1(16) JASPER PASSING LANES ON SR 83

PROJECT LENGTH 4.167 MILES

ALTERNATE "A" (RETAIN THE EXISTING VERTICAL ALIGNMENT)

ROADWAY

150-1000	TRAFFIC CONTROL - STP-161-1(16)	LUMP	75000	LUMP	$75000.00
153-1200	FIELD ENGINEERS OFFICE TP 2	EA	35000	1	$35000.00
201-1500	CLEARING AND GRUBBING - STP-161-1(16)	LUMP	200000	LUMP	$200000.00
205-0001	UNCLASS EXCAV	CY	4	75000	$300000.00
206-0002	BORROW EXCAV, INCL MATL	CY	4	50000	$200000.00
310-1201	GR AGGR SUBBASE CRS, INCL MATL	TN	14	17250	$241500.00
318-3000	AGGR SURF CRS	TN	16	2000	$32000.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	35	3000	$105000.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	35	5000	$175000.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	35	10200	$357000.00
402-3131	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM M	TN	35	6200	$217000.00
413-1000	BITUM TACK COAT	GL	1	6000	$6000.00
456-2003	INDENTATION RUMBLE STRIPS, 3 FT WIDE	MI	420	9	$3780.00
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	550	56	$30800.00
511-1000	BAR REINF STEEL	LB	0.5	4975	$2487.50
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	28	350	$9800.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	35	150	$5250.00
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	43	50	$2150.00
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	56	25	$1400.00
550-2150	SIDE DRAIN PIPE, 15 IN, H 1-10	LF	20	856	$17120.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	21	402	$8442.00
550-2300	SIDE DRAIN PIPE, 30 IN, H 1-10	LF	33	30	$990.00
550-3315	SAFETY END SECTION 15 IN, STORM DRAIN, 4:1 SLOPE	EA	625	2	$1250.00
550-3324	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	EA	770	2	$1540.00
550-3336	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	EA	1150	2	$2300.00
550-3615	SAFETY END SECTION 15 IN, SIDE DRAIN, 6:1 SLOPE	EA	300	56	$16800.00
550-3618	SAFETY SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	470	24	$11280.00
550-3630	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	EA	1215	2	$2430.00
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	365	32	$11680.00
550-4224	FLARED END SECTION 24 IN, STORM DRAIN	EA	450	12	$5400.00
550-4230	FLARED END SECTION 30 IN, STORM DRAIN	EA	575	4	$2300.00
550-4236	FLARED END SECTION 36 IN, STORM DRAIN	EA	700	2	$1400.00
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	10	2000	$20000.00
634-1200	RIGHT OF WAY MARKER	EA	70	100	$7000.00
654-1001	RAISED PVMT MARKERS TP 1	EA	4.22	500	$2110.00
654-1003	RAISED PVMT MARKERS TP 3	EA	3.74	500	$1870.00
				Section SUB TOTAL	$2113079.50

EROSION CONTROL

441-0204	PLAIN CONC DITCH PAVING, 4 IN	SY	30	1500	$45000.00
700-5000	GRASSING COMPLETE - STP-161-1(16)	LUMP	60000	LUMP	$60000.00
716-1000	EROSION CONTROL MATS, WATERWAYS	SY	3	1500	$4500.00
				Section SUB TOTAL	$109500.00

TEMPORARY EROSION CONTROL

161-1000	EROSION CONTROL - STP-161-1(16)	LUMP	35000	LUMP	$35000.00
163-1022	CONSTR, MAINT & REM TEMP PIPE SLOPE DRAIN	LF	10.5	3000	$31500.00
163-1041	CONSTR, MAINT & REM SEDIMENT BASIN, TP 1	EA	10000	5	$50000.00
163-2051	CONSTR, MAINT AND REMOVE BALED STRAW EROSION CHECK	LF	3.5	10000	$35000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3	5000	$15000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	5	2000	$10000.00
715-2100	BITUMINOUS TREATED ROVING, SLOPES	SY	3.2	5000	$16000.00

716-1000	EROSION CONTROL MATS, WATERWAYS	SY	3	5000	$15000.00
			Section SUB TOTAL		$207500.00
	TRAFFIC SIGNS AND MARKINGS				
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	20	100	$2000.00
636-2010	GALV STEEL POSTS, TP 1	LF	4.5	150	$675.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	0.3	45000	$13500.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	0.3	45000	$13500.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	0.13	22500	$2925.00
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	2.7	4380	$11826.00
			Section SUB TOTAL		$44426.00
	INFLATION & E&C				
100-0001	INFLATION (5% PER YR FOR 5 YRS)	LUMP	685000	LUMP	$685000.00
100-0002	E&C (10%)	LUMP	315000	LUMP	$315000.00
			Section SUB TOTAL		$1000000.00
			Total Project Cost		$3474505.50

UD01231730STP-161-1(16) JASPER PASSING LANES ON SR 83

PROJECT LENGTH 4.167 MILES

ALTERNATE "B" (CORRECT THE VERTICAL ALIGNMENT)

ROADWAY

150-1000	TRAFFIC CONTROL - STP-161-1(16)	LUMP	75000	LUMP	$75000.00
153-1200	FIELD ENGINEERS OFFICE TP 2	EA	35000	1	$35000.00
201-1500	CLEARING AND GRUBBING - STP-161-1(16)	LUMP	250000	LUMP	$250000.00
205-0001	UNCLASS EXCAV	CY	4	125000	$500000.00
206-0002	BORROW EXCAV, INCL MATL	CY	4	85000	$340000.00
310-1201	GR AGGR SUBBASE CRS, INCL MATL	TN	14	21590	$302260.00
318-3000	AGGR SURF CRS	TN	16	2000	$32000.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	35	3000	$105000.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	35	7300	$255500.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	35	14620	$511700.00
402-3131	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM M	TN	35	7650	$267750.00
413-1000	BITUM TACK COAT	GL	1	6750	$6750.00
456-2003	INDENTATION RUMBLE STRIPS, 3 FT WIDE	MI	420	9	$3780.00
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	550	56	$30800.00
511-1000	BAR REINF STEEL	LB	0.5	4975	$2487.50
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	28	350	$9800.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	35	150	$5250.00
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	43	50	$2150.00
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	56	25	$1400.00
550-2150	SIDE DRAIN PIPE, 15 IN, H 1-10	LF	20	856	$17120.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	21	402	$8442.00
550-2300	SIDE DRAIN PIPE, 30 IN, H 1-10	LF	33	30	$990.00
550-3315	SAFETY END SECTION 15 IN, STORM DRAIN, 4:1 SLOPE	EA	625	2	$1250.00
550-3324	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	EA	770	2	$1540.00
550-3336	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	EA	1150	2	$2300.00
550-3615	SAFETY END SECTION 15 IN, SIDE DRAIN, 6:1 SLOPE	EA	300	56	$16800.00
550-3618	SAFETY SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	470	24	$11280.00
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550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	365	32	$11680.00
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550-4230	FLARED END SECTION 30 IN, STORM DRAIN	EA	575	4	$2300.00
550-4236	FLARED END SECTION 36 IN, STORM DRAIN	EA	700	2	$1400.00
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	10	2000	$20000.00
634-1200	RIGHT OF WAY MARKER	EA	70	100	$7000.00
654-1001	RAISED PVMT MARKERS TP 1	EA	4.22	500	$2110.00
654-1003	RAISED PVMT MARKERS TP 3	EA	3.74	500	$1870.00
				Section SUB TOTAL	$2850539.50

EROSION CONTROL

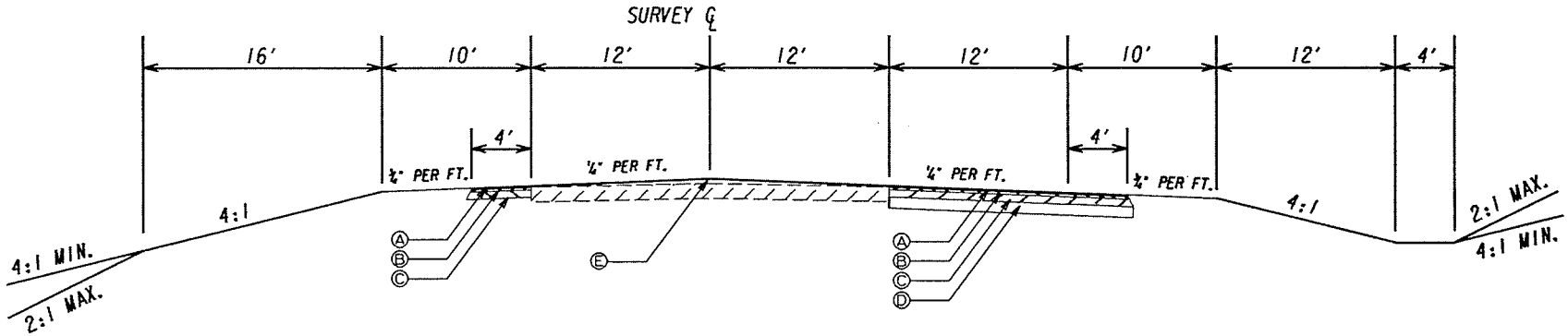
441-0204	PLAIN CONC DITCH PAVING, 4 IN	SY	30	1500	$45000.00
700-5000	GRASSING COMPLETE - STP-161-1(16)	LUMP	75000	LUMP	$75000.00
716-1000	EROSION CONTROL MATS, WATERWAYS	SY	3	1500	$4500.00
				Section SUB TOTAL	$124500.00

TEMPORARY EROSION CONTROL

161-1000	EROSION CONTROL - STP-161-1(16)	LUMP	40000	LUMP	$40000.00
163-1022	CONSTR, MAINT & REM TEMP PIPE SLOPE DRAIN	LF	10.5	3000	$31500.00
163-1041	CONSTR, MAINT & REM SEDIMENT BASIN, TP 1	EA	10000	5	$50000.00
163-2051	CONSTR, MAINT AND REMOVE BALED STRAW EROSION CHECK	LF	3.5	10000	$35000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	3	5000	$15000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	LF	5	2000	$10000.00
715-2100	BITUMINOUS TREATED ROVING, SLOPES	SY	3.2	5000	$16000.00

716-1000	EROSION CONTROL MATS, WATERWAYS	SY	3	5000	$15000.00
			Section SUB TOTAL		$212500.00
	TRAFFIC SIGNS AND MARKINGS				
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	SF	20	100	$2000.00
636-2010	GALV STEEL POSTS, TP 1	LF	4.5	150	$675.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	0.3	45000	$13500.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	0.3	45000	$13500.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	0.13	22500	$2925.00
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	2.7	4380	$11826.00
			Section SUB TOTAL		$44426.00
	INFLATION & E&C				
100-0001	INFLATION (5% PER YR FOR 5 YRS)	LUMP	900000	LUMP	$900000.00
100-0002	E&C (10%)	LUMP	415000	LUMP	$415000.00
			Section SUB TOTAL		$1315000.00
			Total Project Cost		$4546965.50

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-161-1(16)		



REQUIRED PAVEMENT

Ⓐ ASPHALTIC CONCRETE 9.5 MM SUPERPAVE, 1 ¼"
Ⓑ ASPHALTIC CONCRETE 19 MM SUPERPAVE, 2"
Ⓒ ASPHALTIC CONCRETE 25 MM SUPERPAVE, 4"
Ⓓ GRADED AGGREGATE BASE, 8"
Ⓔ ASPHALTIC CONCRETE LEVELING, AS REQ'D

TYPICAL SECTION

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-161-1(16), Jasper
P.I. # 231730

OFFICE Environment/Location

DATE June 21, 2000

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

TO Mike Thomas, P.E., District Engineer, Tennille
Attn. George Brewer

SUBJECT Traffic Data for SR 83 Passing Lanes

We are furnishing estimated traffic assignments for the above project as follows:

Section 1 (MP 0-1.72)	Section 2 (MP 18.1-21.04)
2009 ADT = 3000	2009 ADT = 2500
2029 ADT = 4750	2029 ADT = 4000
K = 10%	K = 11%
D = 60%	D = 60%
T = 12%	T = 12%
24 Hr. T = 15%	24 Hr. T = 15%
S.U. = 5%	S.U. = 5%
Comb. = 10%	Comb. = 10%

DES/RGL

REC NUM	COUNTY	DATE	TIME	RD N	RD S	MILE	F	T INJ	TYPE ACCIDENT
1	JASPER	03/31/98	16:48	83	00	18.06	1	2	HEAD ON
2	JASPER	07/24/98	6:30	83	00	19.89	0	0	OVERTURNED
3	JASPER	05/25/98	9:45	83	00	20.19	0	0	OTHER NON-COLLI

Enter (Y/N) to see all information about a specific accident :

REC NUM	COUNTY	DATE	TIME	RD N	RD S	MILE	F	TOT INJ	TYPE ACCIDENT
1	JASPER	06/27/97	9:25	83	00	18.26	0	0	STRUCK OBJECT
2	JASPER	07/01/97	4:00	83	00	18.26	0	1	OVERTURNED
3	JASPER	05/27/97	12:20	83	00	19.09	0	0	OVERTURNED
4	JASPER	05/03/97	5:26	83	00	19.97	0	1	STRUCK OBJECT

Enter (Y/N) to see all information about a specific accident :

REC NUM	COUNTY	DATE	TIME	RD N S	MILE	F	TOT I'''I	TYPE ACCIDENT
1	JASPER	10/24/96	10:40	83 00	19.89	1	3	ANGLE INTERSECT

Enter (Y/N) to see all information about a specific accident :

REC NUM	COUNTY	DATE	TIME	RD N	RD S	MILE	F	TOT INJ	TYPE ACCIDENT
1	JASPER	02/20/95	10:45	83	00	0.10	0	0	OTHER NON-COLLI
2	JASPER	04/28/95	5:35	83	00	19.98	0	0	SIDESWIPE SAME

Enter (Y/N) to see all information about a specific accident :

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: STP-161-1(16) **County:** JASPER
P.I. no.: 231730
Description: PASSING LANES ON SR 83

Traffic Data (NOTE: AADTs are one-way)
24-hour Truck Percentage: 15.00%
AADT initial year of design period: 1,500 vpd (2009)
AADT final year of design period: 2,375 vpd (2029)
Mean AADT (one-way): 1,938 vpd

Design Loading

Mean AADT		LDF		Trucks		18-K ESAL		Total Daily Loads
1,938	*	0.90	*	0.150	*	0.95	=	250

Total predicted design period loading = 250 * 20 * 365 = 1,825,000

Design Data
Terminal Serviceability Index: 2.50
Soil Support: 3.00
Regional Factor: 1.60

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness mm	Thickness (in.)	Structural Coefficient	Structural Value
9.5 mm Superpave	30	(1.18)	0.0173	0.52
19 mm Superpave	50	(1.97)	0.0173	0.86
25 mm Superpave	34	(1.34)	0.0173	0.59
	66	(2.60)	0.0118	0.78
Graded Aggregate Base	200	(7.87)	0.0063	1.26

Required SN = 4.66 Proposed SN = 4.01

>>> Proposed pavement is 13.9% Underdesign <<<

Remarks:

Prepared by George M. Brewer, District Design Engineer
June 22, 2000
Date

Recommended _____
State Materials & Research Engineer **Date**

Approved _____
District Engineer **Date**

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-161-1(16) Jasper County
P.I. No. 231730

OFFICE Tennille

DATE July 28, 2000

FROM George M. Brewer, District Design Engineer

TO Files

SUBJECT **CONCEPT TEAM MEETING MINUTES**

A Concept Team Meeting was held July 28, 2000 on the above-mentioned project. The following were in attendance:

George Brewer, District Design Engineer
Renee Decker, District Design Squad Leader
Lisa Carmichael, CET
Holly Cross, CAD Operator 3
Phillip Scarborough, District Environmentalist
Jimmy Hobby, Assistant District Utilities Engineer
Todd Price, District Traffic Operations Engineer
Bill Hudson, Area Engineer, Milledgeville
Joanna Douglas, Right of Way

The Concept Team had the following comments:

1. Passing lane number one should not begin until after the drive leading to the boat ramp at the Ocmulgee River.
2. The existing vertical and horizontal alignment for passing lane number one appeared to be satisfactory.
3. There was an AT&T fiber optic cable crossing SR 83 near the end of the first passing lane.
4. The vertical alignment on passing lane numbers 2 & 3 should be corrected to meet 55 mph speed design.
5. The location sketch in the preliminary concept should be corrected to show the actual beginning of passing lanes 2 & 3 at MP 19.81.
6. There appeared to be a historic resource on the east side of passing lane number 4.

7. The horizontal alignment should be shifted to avoid any required right of way from the historic resource.
8. Design is to ensure that the beginning and ending of all the passing lanes are out of the superelevation for the horizontal curves.
9. The time to complete the 404 permit should be changed to 12 months. A Type 23 permit will be required.
10. Construction Alternate B was recommended to correct the poor existing vertical and horizontal alignment.

If any further assistance is needed, please contact George M. Brewer at (912)552-4642.

GMB

RIGHT OF WAY COST BREAKDOWN SHEET

PROJECT: STP 161-1(16) JASPER COUNTY
P. I. No: 231730
No. of Parcels: 14
Project Description: PASSING LANES SR 83
Date: AUG. 17, 2000

Land:	Agricultural (Rural/Residential) @ $290.00 to $3,000.00 / Acre	$16,600.00	
	Timber @ $700.00 to $4500.00 Per Acre	$108,000.00	
	TOTAL		$124,600.00
Improvements:	Single family residences	None	0
	Commercial buildings	None	0
	Fencing [Field Fence w/one strand Barbwire] @$4.00 Per lin. ft.	$12,000.00	$12,000.00
Relocation:	residential @	None	0
	business @	None	0
Damages:	Proximity	None	0
	Wetland replacement	None	0
	Estimated Cost of Right of Way		$136,600.00
	Fee Appraisal Cost @ $1,000.00 Per Parcel	$14,000.00	$14,000.00
	Net Cost		$150,600.00
	Inflation (10% rural; 25% urban)		$15,100.00

TOTAL COST	**$ 165,700.00**
Prepared by: Joanna Douglass	Credit hours
Prepared by:	Credit hours
Reviewed by:	Title:

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP 161-1 (16) - Jasper County
P. I. No. 231730

OFFICE Tennille - Utilities

DATE September 5, 1997

FROM Leonard T. Hart, District Utilities Engineer

TO Herman Griffin, State Transportation Programming Engineer
Attention: Percy Middlebrooks

SUBJECT **Utility Impact Review**

A utility impact review was made on the referenced project to determine the existence of utilities eligible for reimbursement. An AT&T easement crosses State Route 83 at Mile Post 1.2 in a fill section. The widening in this area should not conflict with the AT&T cable. A casing extension to the required Right of Way would generate an eligible utility cost. An estimate of this cost is as follows:

AT&T Casing Extension	$5,000

Actual conflicts will be determined as plans are developed. Should you have any questions or desire any additional information please contact Robert Ashley with the Utilities Office at 912-552-4606.

LTH:RSA:ea

cc: Dudley Ellis - Attention: Georgene Geary

The Jaeger Company

Memo

To: George M. Brewer, District Design Engineer, GDOT District 2

From: Amy C. Kissane, Georgia Scenic Byways Program

Date: September 14, 2000

Re: GDOT Project STP-161-1(16), P.I. No. 231730, Jasper County
Potential Impacts to the Monticello Crossroads Scenic Byway

The Georgia Scenic Byways Program is a program of the Georgia Department of Transportation. Program Requirements (dated January 8, 1998) state the following:

VI. Design Exceptions in Construction and Maintenance Procedures for the Protection and Enhancement of Special Features

Designated Scenic Byways may be allowed revisions from standards normally applied to the construction and maintenance of the roadway to ensure the protection/enhancement of special features or unique natural and cultural resources.

On August 7, 2000, George Brewer contacted David Crites, Scenic Byways Program Coordinator. George informed David that GDOT Project STP-161-1(16), P.I. No. 231730 was in its early stages and requested assistance from David in determining what provisions should be made with regard to the Monticello Crossroads Scenic Byway. The Monticello Crossroads Scenic Byway includes the portion of State Route 83 that runs from downtown Monticello north to the county line; the portion of the proposed project north of Monticello lies within this designated area. In response to George's request, David requested assistance from The Jaeger Company. The Jaeger Company is currently under contract with GDOT to administer the Scenic Byways Program.

On August 24, 2000, Amy C. Kissane (Senior Preservation Planner w/ The Jaeger Company) and Laura Gabriel (Landscape Architect w/ The Jaeger Company) made a site visit and met with George to determine potential impacts of the proposed project on the byway. The recommendations contained in this memo are based upon a review of (1) Draft Project Concept Report, (2) Concept Team Meeting Minutes, dated July 28, 2000, and (3) the site visit and meeting George. The purpose of these recommendations is to reduce the potential impact of the proposed improvements to the intrinsic qualities of the Monticello Crossroads Scenic Byway as described in the byways *Corridor Management Plan* (CMP). Following are

some of the characteristic features, as described in the CMP, that are threatened by the proposed improvements:

- **scenic qualities**, specifically the route's rural character, pastoral views, woodland edges, and rolling topography
- **natural qualities**, specifically the rolling topography, creek crossings, and forests
- **historic qualities**, specifically the connection between the route of Highway 83 and the original Seven Island Stage Coach Road
- **recreational qualities**, no threats identified at this point

In general, maintaining the integrity of these features and the overall driving experience is critical to this roadway's designation as a State Scenic Byway; negative impacts to these features would threaten the eligibility of this route.

Following are our recommendations to be incorporated into the Concept Report and into design. We would like you to consider these recommendations in order to preserve as much of this scenic byway's character as possible:

1. Overall, reduce the typical section as much as possible to minimize the impact of the widening.
2. Reduce tapers and lane widths as much as possible to minimize the impact of the widening.
3. Reduce section from MP 17.73 to MP 19.15 (passing lanes 2 & 3) from four lanes to three lanes.
4. Keep existing vertical and horizontal alignments.
5. When adding road width be careful to maintain existing curves in the roadway.
6. Avoid decel lane at county road intersection
7. Consider accommodating bicycling and walking with 2-foot safety shoulders or 4-foot bikeable shoulders, as this is a future goal of the byway. Do not use shoulder rumble strips placements or wider paved shoulder configurations.
8. Clear zone should be consistent/blend with existing clear zone (especially important in the forested areas)
9. Slopes, where cutting is required, should not exceed a 4:1 slope. Consult Scenic Byways Program in determining landscape treatment for these slopes.
10. Vegetation species for disturbed areas— consult Scenic Byways Program in determining landscape treatment for these areas.
11. Fence replacement— consult Scenic Byways Program in determining appropriate designs for pasture and other fences that may need to be replaced due to road widening.
12. Allow Scenic Byways Program to review construction limits and the proposed locations of staging areas.
13. Replacement guardrails-consider alternate types that are more natural. The Scenic Byways Program can submit some ideas.
14. Drainage channels, if required, should not be concreted. Consult the Scenic Byways Program for suggested alternatives.
15. Consider using these same principles on passing lane 1, south of Monticello. Monticello's original application for byway designation included this portion of SR 83 south of Monticello but it was taken out of the application. It is, however, the intent of the byway committee to incorporate this southern portion into the byway at a future date.

The Georgia Scenic Byways Program and the Monticello Crossroads Scenic Byway Advisory Committee would like to be involved in the planning and design of this project. The exact nature of our participation can be discussed further. Please keep us informed of meetings and allow us to participate whenever possible and appropriate. We also would like to make another site visit once Preliminary Plans have been completed in order to assess construction limits and potential impacts. Ideally, the plans would be at the very beginning stages and would show roadway layout and construction limits.

NOTICE OF LOCATION AND DESIGN APPROVAL

STP-161-1(16) JASPER COUNTY
P. I. NUMBER 231730

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.

The date of location approval was _____
Date of Approval

This project proposes to construct three passing lanes on SR 83 in Jasper County.

Drawings of the proposed project are on file and are available for inspection at the Georgia Department of Transportation, 801 Fourth Street, Tennille, GA, telephone (912)552-4629.

Any written request in reference to this Notice should include the Project and PI numbers as noted at the top of this Notice and may be referred to:

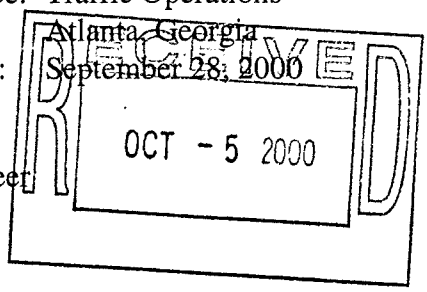
DAVID O. GRIFFITH
PRECONSTRUCTION ENGINEER
P.O. BOX 8
TENNILLE, GA 31089
(912)552-4629

Department of Transportation
State of Georgia

INTERDEPARTMENTAL CORRESPONDENCE

File: STP-161-1(16)/Jasper County
P.I. No. 231730

Office: Traffic Operations
Atlanta, Georgia
Date: September 28, 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 construction of passing lanes along three sections of SR 83, designated from downtown of the city of Monticello, north to the county line, as ***"The Monticello Crossroads Scenic Byway"***. Passing lanes No. 2 and 3 are within the limits of the designated Byway.

SR 83 is a rural two-lane facility with a posted speed limit of 55mph. The recommended alternative, to minimize impacts to this environmentally sensitive route, consists of three crest vertical curves(35, 2-40mph), one sag vertical curve(35mph) and five vertical grades, which are substandard and do not meet the 55mph design speed. Design exceptions will be required for these locations.

Passing lane No. 1, providing northbound passing opportunities, begins at Mile Point(MP) 0.08 and extends north to MP 1.72. Passing lane No. 2, for southbound opportunities, begins at MP 17.73 ending at MP 19.15. Passing lane No. 3, northbound, begins at MP 19.81 and ends at MP 21.23. The proposed typical design will consist of three 12 foot lanes with 10 foot shoulders, of which 4 feet will be paved.

Due to this being designated as a scenic byway, assistance from David Crites, the Scenic Byways Coordinator, was requested. Consultants recommended, to maintain the integrity of the scenic features that would not threaten its designation as a scenic byway, that several characteristics be maintained including, but not limited to, keeping the existing vertical and horizontal alignments.

We recommend any existing intersecting roadway, that does not meet the AASHTO intersecting minimum angle of 70°, be realigned to intersect at 90° or a minimum of 75°. We recommend correction of substandard vertical curves and the vertical grade.

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: Harvey Keepler
Michael Thomas, District Engineer, Tennille
Attention: George Brewer
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT
THREE PASSING LANES ON STATE ROUTE 83

STP-161-1(16)
JASPER COUNTY

U.S. Route No.:	None
State Route No.:	83
GaDOT P.I. No.:	231730
Federal Aid Route No.:	ST1611

Date of Report:

RECOMMENDATION FOR APPROVAL

Date — State Transportation Planning Administrator

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

9/26/00
Date — State Transportation Programming Engineer

Date — State Environmental/Location Engineer

Date — State Road & Airport Design Engineer

9-21-00
Date — District Engineer/Tennille

Date — Project Review Engineer

Date — State Traffic Operations Engineer

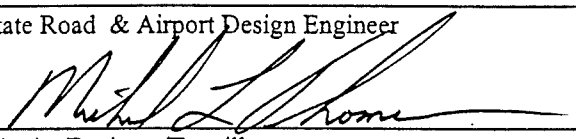
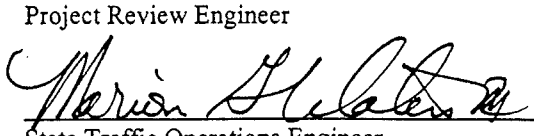
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
PROJECT CONCEPT REPORT
THREE PASSING LANES ON STATE ROUTE 83

STP-161-1(16)
JASPER COUNTY

U.S. Route No.:	None
State Route No.:	83
GaDOT P.I. No.:	231730
Federal Aid Route No.:	ST1611

Date of Report:

RECOMMENDATION FOR APPROVAL

Date	State Transportation Planning Administrator
	This project concept is contained in the Regional Transportation Improvement Program (RTIP) and/or in the State Transportation Improvement Program (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 & Airport Design Engineer
9-21-00	
Date	District Engineer/Tennille
Date	Project Review Engineer
10-4-2000	
Date	State Traffic Operations Engineer