

ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0937(8) Burke-Jefferson Counties **OFFICE** Preconstruction
P. I. No. 231260 **DATE** May 30, 2000

FROM *C. W. Hutto*
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:

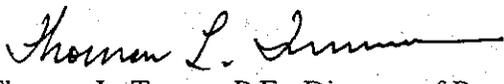
Tom Turner
David Mulling
David Studstill (ATTN: Harvey Keepler)
Jerry Hobbs
Herman Griffin
Georgene Geary (ATTN: Michael Henry)
Marion Waters
Marta Rosen
Paul Liles
Don Mills
~~Jerry Chambers (ATTN: Ted Cushing)~~
Mike Thomas

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0937(8) Burke-Jefferson Counties **OFFICE** Preconstruction
P.I. No. 231260

DATE May 12, 2000

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

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the construction of four passing lanes on SR 24 between Waynesboro and Louisville in Burke and Jefferson counties. The proposed passing lanes are as follows:

Site 1	ML 22.1 - 23.3	Burke	westbound
Site 2	ML 24.2 - 25.6	Burke	eastbound
Site 3	ML 32.85 - 34.4	Burke	eastbound
Site 4	ML 36.9 - 1.1	Burke/Jefferson	westbound

State Route 24 between Waynesboro and Louisville has rolling terrain with passing prohibited along long segments of the route. This project will provide safe passing westbound (Sites 1 and 4) and eastbound (Sites 2 and 3) in a relatively high volume area and improve the functional capacity and safety of the route. The existing roadway consists of two, 12' lanes with 6' rural shoulders on 100' of existing right-of-way. The base year traffic (2007) varies from 1,700 - 3,400 VPD and the design year traffic (2027) varies from 2,700 - 5,400 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 all four sites. Sites 2 and 4 will construct passing lanes in either direction, with horizontal and/or vertical alignments being reconstructed to meet current guidelines. Traffic will be maintained utilizing on site detours or 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.

Wayne Shackelford

Page 2

STP-0937(8) Burke

May 12, 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)	\$3,149,000	\$3,264,000	LR	LR
Right-of-Way	\$ 545,000	\$ 100,000		
Utilities*	-----	-----		

*LGPA to be sent.

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

TLT:JDQ/cj

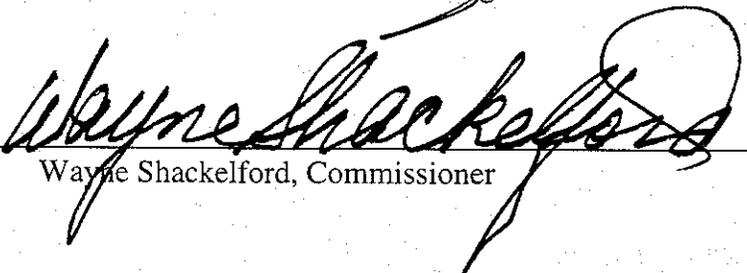
Attachment

CONCUR



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

APPROVE



Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-0937(8) Burke
P.I. Number 231260

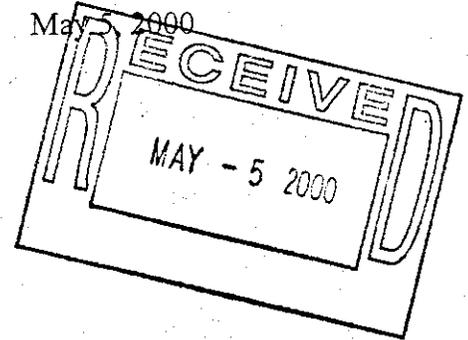
OFFICE: Atlanta, Georgia

DATE: May 5, 2000

FROM: David Mulling, Project Review Engineer *DTM*

TO: Wayne Hutto, Assistant Director of Pre-construction

SUBJECT: CONCEPT REPORT



We have reviewed the concept report submitted April 28, 2000 by the letter from Thomas L. Clark dated April 25, 2000, and have no comment.

The costs for the project are:

Construction	\$2,290,000
Inflation	\$ 573,000
E&C	\$ 286,000
Reimbursable Utilities	\$?
Right of Way	\$ 545,000

DTM

c: Tom Clark - District 2 Design

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE STP-0937(8) Burke/Jefferson County
P.I. NO. 231260

OFFICE Tennille
DATE April 25, 2000

FROM Thomas L. Clark, District Design Engineer
TO Wayne Hutto, Assistant Director of Preconstruction

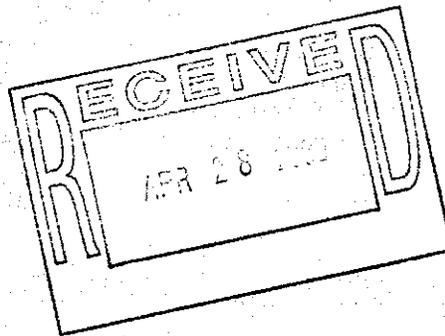
SUBJECT **CONCEPT REPORT**

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 Renee Decker at (912)552-4659. ✓

TC:DRD:hc

cc: Toni Dunagan
Herman Griffin
David Studstill
David Mulling
Marion Waters



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

STP-0937(8)

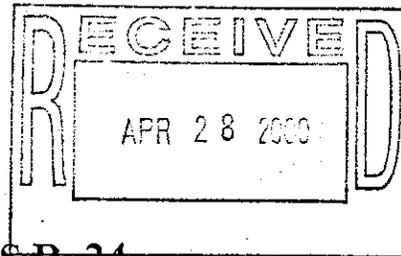
P.I. No. 231260

Burke/Jefferson County

Construction of Passing Lanes on S.R. 24

Westbound MP 22.1 to 23.3 & Eastbound MP 24.2 to 25.6

Eastbound MP 32.85 to 34.4 & Westbound MP 36.9(Burke) to 1.1(Jefferson)



Federal Route No.: ST0937

Date of Report: April 25, 2000

State Route No.: 24

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 STIP.

Date _____
State Transportation Programming Engineer

Date _____
State Environmental/Location Engineer

Date _____
State Road Design Engineer

4-26-00
Date _____
District Engineer/Tennille

Date _____
Project Review Engineer

Date _____
State Traffic Operations Engineer

Date _____
State Bridge & Structural Engineer

PROJECT CONCEPT REPORT

Project Number: STP-0937-(8) Burke/Jefferson County

PROJECT LOCATION AND DESCRIPTION

This project consists of the construction of Eastbound & Westbound passing lanes on State Route 24 in Burke and Jefferson County.

Passing Lane No. 1 – M.P. 22.1 – 23.3; Westbound; length is 1.2 Miles

Passing Lane No. 2 – M.P. 24.2 – 25.6; Eastbound; length is 1.4 Miles

Passing Lane No. 3 – M.P. 32.85 – 34.4; Eastbound; length is 1.55 Miles

Passing Lane No. 4 – M.P. 36.9 (Burke Co.) – 1.1(Jefferson Co.); Westbound; length is 1.48 Miles

TRAFFIC

CURRENT			PROJECTED		
	YEAR	AADT		YEAR	AADT
MP 22.1 – 23.3	2007	3400		2027	5400
MP 24.2 – 25.6	2007	2900		2027	4600
MP 32.85 – 34.4	2007	1700		2027	2700
MP 36.9 (Burke) – 1.1(Jefferson)	2007	2100		2027	3300

PDP CLASSIFICATION		FUNCTIONAL CLASSIFICATION	
Minor /Construction on the existing alignment		Rural Major Collector - Passing Lane Nos. 1, 2, 3 & 4	
NON-CA ()	CA ()	EXEMPT (x)	N/A ()

FOS ()

NEED AND PURPOSE

The purpose of this project is to construct Eastbound & Westbound passing lanes on State Route 24 to provide safe and adequate passing opportunities along this route during peak traffic flow. The traffic in this area is estimated to increase by approximately 60% within the design period. The poor vertical alignment will also be corrected in order to meet current design guidelines. The addition of passing opportunities, intersection improvements, and deceleration lanes at side roads will greatly increase the safety and capacity of this state route.

EXISTING ROADWAY

TYPICAL SECTION:	This route has 2 – 12 ft. asphalt concrete lanes with 2-ft paved shoulders & 6-ft. earth shoulders.	RIGHT-OF-WAY WIDTH 100 feet
— POSTED SPEED	MAXIMUM DEGREE OF CURVE	MAX GRADE
55 MPH	4 Degree	3.714%

MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH	HEIGHT	SUFFICIENCY RATING
<i>Passing Lane # 3</i>				
Concrete Box Culvert	44'	4'	3'	N/A
Concrete Box Culvert	43'	4'	3'	N/A
Concrete Box Culvert	52'	3'	2'	N/A
Concrete Box Culvert	50'	4'	3'	N/A

Hazard Index: No railroad involvement

PROPOSED ROADWAY

TYPICAL SECTION:	
<i>Passing Lanes 1 & 4:</i>	Two 12 ft. Asphalt Concrete travel lanes with one 12 ft. Asphalt Concrete passing lane in Westbound direction and 8 ft. grassed shoulder (including 2 ft. paved shoulder).
<i>Passing Lane 2 & 3:</i>	Two 12 ft. Asphalt Concrete travel lanes with one 12 ft. Asphalt Concrete passing lane in Eastbound direction and 8 ft. grassed shoulder (including 2 ft. paved shoulder).

PASSING LANE NOS. 1, 2, 3 & 4

DESIGN SPEED	MAXIMUM DEGREE OF CURVE		MAXIMUM GRADE	
55 MPH	ALLOWABLE	6 Degree	ALLOWABLE	6.5%
55 MPH	PROPOSED	4 Degree	PROPOSED	6.5% or less

PROPOSED MAJOR STRUCTURES

FEATURES INTERSECTED/TYPE	LENGTH	WIDTH
N/A	N/A	N/A

PROPOSED RIGHT-OF-WAY

RIGHT-OF-WAY WIDTH	PARCELS IMPACTED	DISPLACEMENTS 0		
APPROX 150 ft.	75	RES.: 0	BUS.: 0	M.H.: 0

TYPE OF ACCESS CONTROL: Controlled by D.O.T. permit

COORDINATION AND SCHEDULING

CONCEPT TEAM MEETING DATE: April 11, 2000

CONFORMS TO TIP/STIP? Yes

MEETS LOGICAL TERMINI REQUIREMENTS? Yes

P.A.R. MEETING: N/A

PERMITS REQUIRED: Nationwide 404 Permit
17 Wetland Sites

LEVEL OF PUBLIC INVOLVEMENT: None

TIME SAVING PROCEDURES APPROPRIATE: Yes

SCHEDULING CONSIDERATIONS:

TIME TO COMPLETE ENVIRONMENTAL: 18 Months for CE
1 Possible Historic Resource

TIME TO COMPLETE PRELIMINARY RD/RW PLANS: 6 Months

TIME TO COMPLETE 404 PERMIT: 18 Months

TIME TO COMPLETE FINAL CONSTRUCTION PLANS: 1 Year

TIME TO BUY RIGHTS-OF-WAY: 18 Months

OTHER PROJECTS IN THE AREA:

EDS-565(8) Burke Co.
EDS-565(12) Burke Co.
EDS 545(30) Jefferson Co.

LOCAL GOVERNMENT COMMITMENTS: "LGPA to be sent for Utilities 3 years prior to construction."
See attached E-mail

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION:

Traffic shall be maintained on the existing alignment during construction of the proposed passing lanes 1 & 3 in accordance with DOT standards and guidelines. Staging may be required with one lane closures in order to maintain traffic on existing alignment. On passing lanes No. 2 & 4, on-site detours shall be constructed and traffic moved to these detours in order to correct existing vertical alignment. Once vertical alignment is corrected, traffic shall be returned to mainline and any detours will be removed.

LEVEL OF ENVIRONMENTAL ANALYSIS:

A Categorical Exclusion is applicable to this project.

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

Alternate A: Passing Lane No. 1 - Construct a Westbound passing lane while maintaining traffic under construction in accordance with the M.U.T.C.D. and GA. Specifications. It appears that no vertical realignment will be required in this area, but this is subject to change once surveys are completed.

Passing Lane No. 2 – Construct an Eastbound passing lane while maintaining traffic under construction in accordance with the M.U.T.C.D. and GA. Specifications. Vertical realignment will be necessary in this area in order to meet current design guidelines

Passing Lane No. 3 – Construct an Eastbound passing lane while maintaining traffic under construction in accordance with the M.U.T.C.D. and GA. Specifications. It appears that no vertical realignment will be required in this area, but this is subject to change once surveys are completed.

Passing Lane No. 4 – Construct a Westbound passing lane while maintaining traffic under construction in accordance with the M.U.T.C.D. and GA. Specifications. Vertical realignment will be necessary in this area in order to meet current design guidelines.

Alternate B: Construct passing lanes without correcting existing substandard vertical alignment on passing lanes No. 2 & 4.

Alternate C: No Build

The District Recommends Alternate "A"

ESTIMATED COST

	ALT. "A"	ALT. "B"	
CONSTRUCTION:	\$ 2,290,360.00	\$ 1,967,750.00	RIGHT-OF-WAY: \$545,000.00
E & C (10%):	\$ 306,930.15	\$ 263,697.32	ACQUIRED BY: D.O.T.
INFLATION: (6 Yrs @ 5% per Yr.)	\$ <u>778,941.45</u>	\$ <u>669,223.20</u>	UTILITIES: LGPA to be sent 3 Yrs. prior to construction
			ADJUSTED BY: LGPA to be sent 3 Yrs. prior to const.
TOTAL CONST COST:	\$ 3,376,231.60	\$ 2,900,670.52	

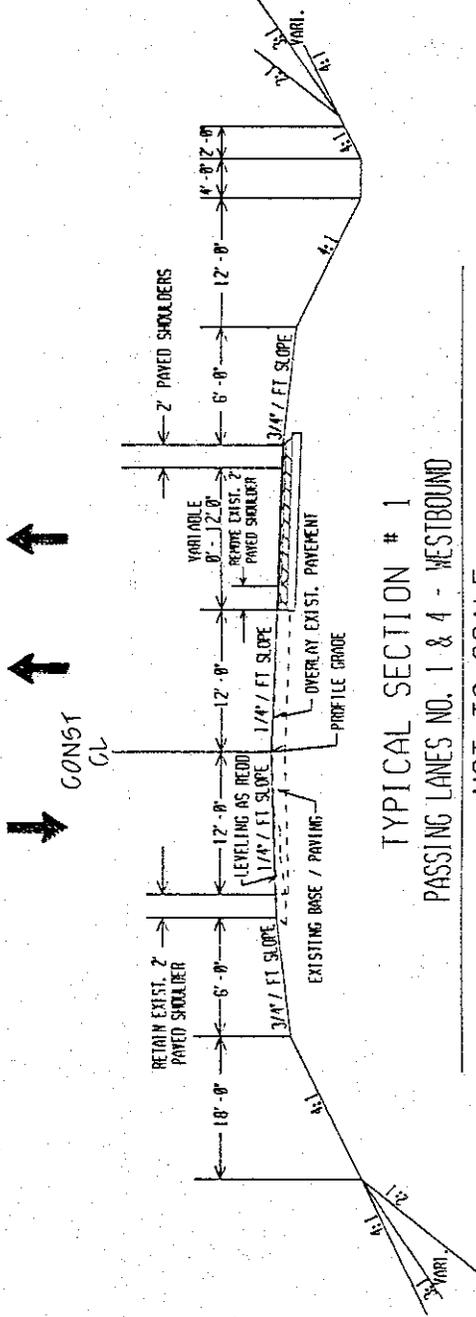
COMMENTS

We recommend Alternate "A" (Correct the vertical alignment)

ATTACHMENTS: Typical Section, Cost Estimates, Traffic Data, Pavement Design, LGPA,
— Project Location Sketch, Team Meeting Minutes, Utility Notes, L & D approval notice

PREPARED BY : Renee' Decker – District Design Squad Leader, Tennille Design

STATE	PROJECT NUMBER	SHEET TOTAL
GA.	SIP-0937(8)	NO. SHEETS
		1 / 4

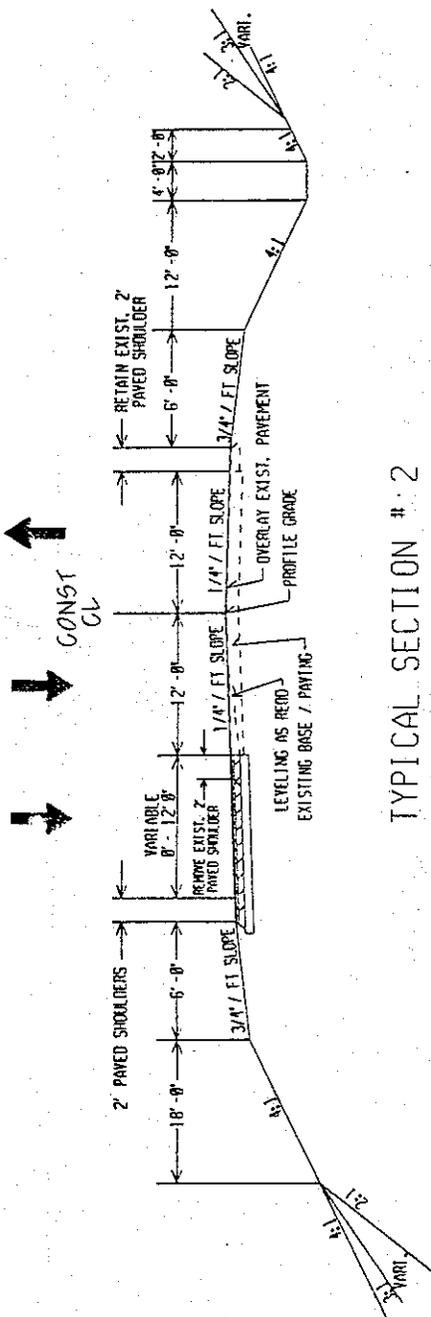


TYPICAL SECTION # 1
PASSING LANES NO. 1 & 4 - WESTBOUND

NOT TO SCALE

S.R. 24

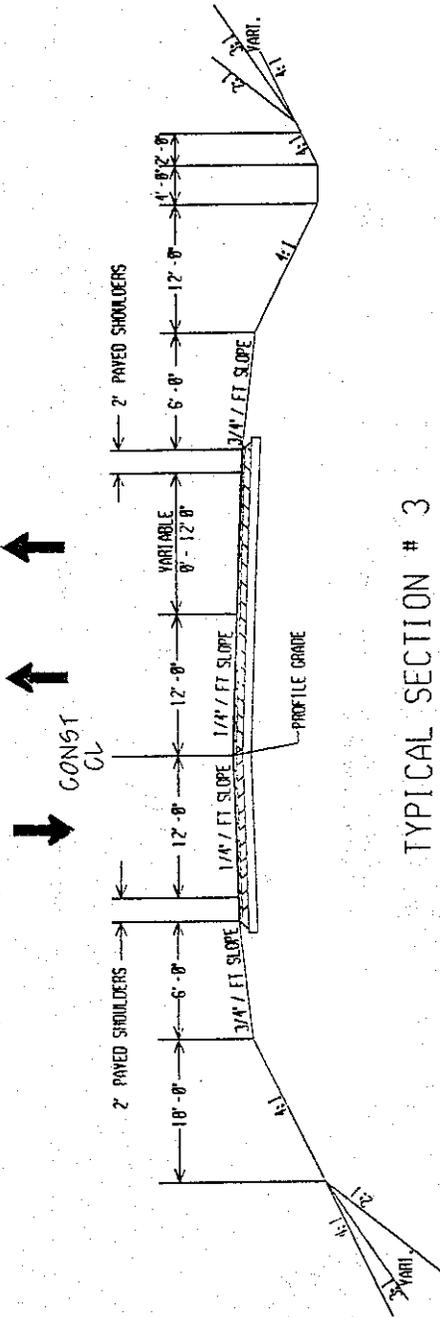
S.R. 24



TYPICAL SECTION # 2
PASSING LANES NO. 2 & 3 - EASTBOUND

NOT TO SCALE

STATE	PROJECT NUMBER	SHEET TOTAL
GA.	STP-0937(B)	2
		2

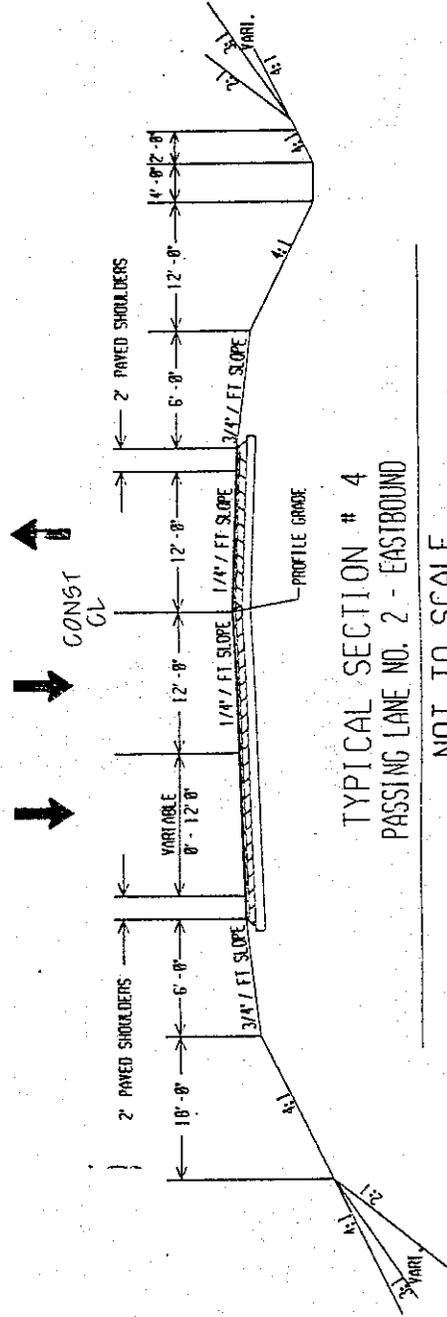


TYPICAL SECTION # 3
PASSING LANE NO. 4 - WESTBOUND

NOT TO SCALE

S.R. 24

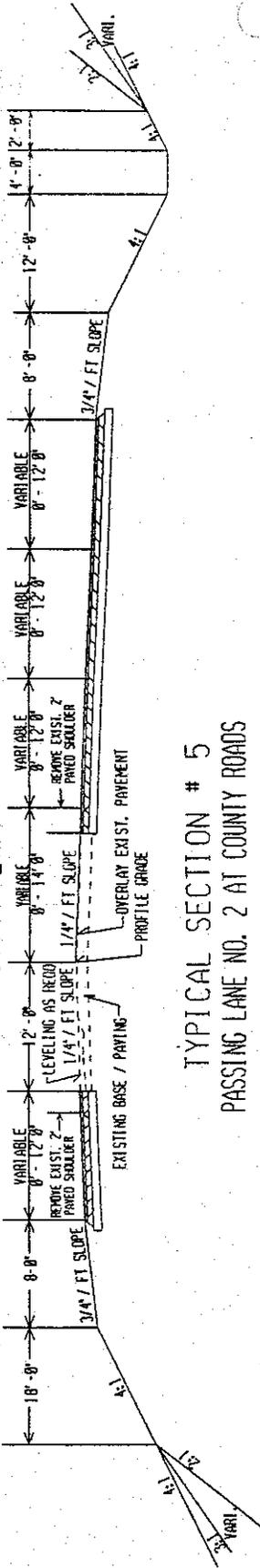
S.R. 24



TYPICAL SECTION # 4
PASSING LANE NO. 2 - EASTBOUND

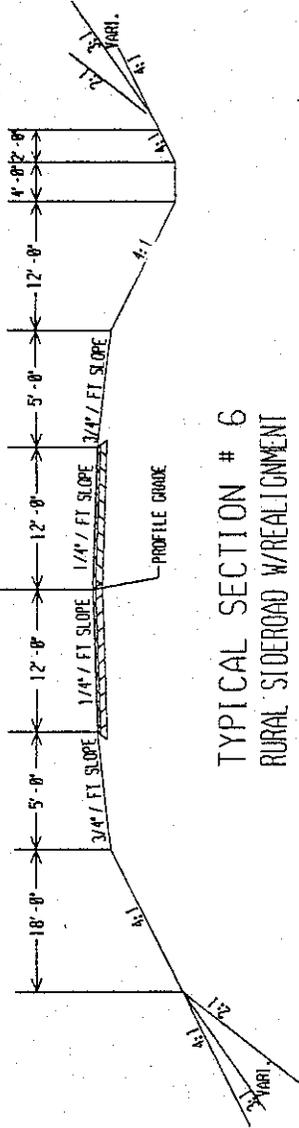
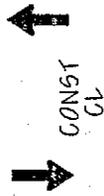
NOT TO SCALE

STATE	PROJECT NUMBER	SHEET TOTAL
GA.	SIP-0937(8)	3
		4



TYPICAL SECTION # 5
PASSING LANE NO. 2 AT COUNTY ROADS
NOT TO SCALE

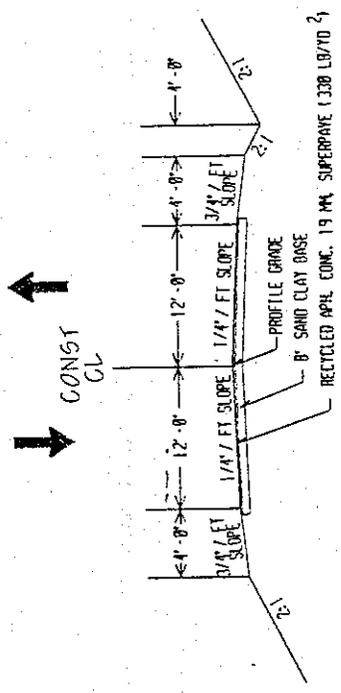
S.R. 24



TYPICAL SECTION # 6
RURAL SIDEROAD W/REALIGNMENT
NOT TO SCALE

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NUMBER
GA	SIP-0937181



TYPICAL SECTION # 7
 DETOUR OF S.R. 24- ALTERNATE 'A'
 PASSING LANES # 2 & 4
 NOT TO SCALE

S.R. 24

DATE: 04/25/2000 14:21:32

DETAIL COST ESTIMATE FOR PROJECT 231260 STP-0937(8) BURKE/JEFFERSON COUNTY (S.R. 24 PASSING LANES)
 ALTERNATE "A" (CORRECT EXISTING VERTICAL ALIGNMENT)
 PROJECT LENGTH = 5.63 MILES

ITEM	DESCRIPTION	UNITS	WT. AVG.	QUANTITY	COST
	ROADWAY				
150-1000	TRAFFIC CONTROL - STP-0937(8)	LS	110000	LUMP	\$110000.00
207-0203	FOUND BK FILL MATL, TP II	CY	31	100	\$3100.00
210-0100	GRADING COMPLETE - STP-0937(8)	LS	185000	LUMP	\$185000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TN	13	22000	\$286000.00
318-3000	AGGR SURF CRS	TN	14	800	\$11200.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM & H LIME	TN	35	6100	\$213500.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM & H LIME	TN	35	9200	\$322000.00
402-3131	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM & H LIME	TN	37	12000	\$444000.00
413-1000	BITUM TACK COAT	GL	1	8000	\$8000.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	29	160	\$4640.00
444-1000	SAWED JOINTS IN EXIST PAVEMENTS - PCC	LF	4	150	\$600.00
446-1001	PVMT REINF FABRIC STRIPS, TP 1, INCL BITUM BINDER	LF	2	30000	\$60000.00
500-3101	CLASS A CONCRETE	CY	371	54	\$20034.00
511-1000	BAR REINF STEEL	LB	1	3350	\$3350.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	29	600	\$17400.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	34	620	\$21080.00
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	42	64	\$2688.00
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	50	64	\$3200.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	19	800	\$15200.00
550-2240	SIDE DRAIN PIPE, 24 IN, H 1-10	LF	21	320	\$6720.00
550-2300	SIDE DRAIN PIPE, 30 IN, H 1-10	LF	30	200	\$6000.00
550-3618	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	436	48	\$20928.00
550-3624	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	EA	639	20	\$12780.00
550-3630	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	EA	1156	16	\$18496.00
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	10	1000	\$10000.00
603-1018	STN PLAIN RIP RAP, 18 IN	SY	33	300	\$9900.00
610-9099	REM WINGWALLS & PARAPETS	LS	3000	LUMP	\$3000.00
634-1200	RIGHT OF WAY MARKER	EA	73	25	\$1825.00
668-8011	SAFETY GRATE, TP 1	SF	23	260	\$5980.00
668-8012	SAFETY GRATE, TP 2	SF	23	430	\$9890.00
668-8013	SAFETY GRATE, TP 3	SF	25	70	\$1750.00
				Section SUB TOTAL	\$1838261.00

EROSION CONTROL

700-0200	GRASSING - STP-0937(8)	LS	100000	LUMP	\$100000.00
				Section SUB TOTAL	\$100000.00

TEMPORARY EROSION CONTROL

Item No.	Description	Quantity	Unit	Material	Price
161-1000	EROSION CONTROL - STP-0937(8)	20000	LUMP	LS	\$20000.00
163-2051	CONSTR, MAINT AND REMOVE BALED STRAW EROSION CHECK	3	8000	LF	\$24000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	3	5000	LF	\$15000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	4	2000	LF	\$8000.00
716-2000	EROSION CONTROL MATS, SLOPES	2	275	SY	\$550.00
Section SUB TOTAL					\$67550.00

TRAFFIC SIGNS & MARKINGS

Item No.	Description	Quantity	Unit	Material	Price
636-0500	WOOD SIGN POSTS	17	450	LF	\$7650.00
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	18	200	SF	\$3600.00
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	63	3	EA	\$189.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	0.2	68000	LF	\$13600.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	0.2	65000	LF	\$13000.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	5	600	LF	\$3000.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	0.1	19000	GLF	\$1900.00
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	2	12000	SY	\$24000.00
654-1001	RAISED PVMT MARKERS TP 1	4	750	EA	\$3000.00
654-1002	RAISED PVMT MARKERS TP 2	5	400	EA	\$2000.00
Section SUB TOTAL					\$71939.00

DETOUR NO. 1

Item No.	Description	Quantity	Unit	Material	Price
150-1000	TRAFFIC CONTROL - STP-0937(8)	31500	LUMP	LS	\$31500.00
210-0100	GRADING COMPLETE - STP-0937(8)	63000	LUMP	LS	\$63000.00
303-0468	TPSL, SD-CL, OR CHERT BASE & SHLDR CRS, CL B, 8 IN, INCL	2	2700	SY	\$5400.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	35	980	TN	\$34300.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	29	60	LF	\$1740.00
Section SUB TOTAL					\$135940.00

DETOUR NO. 2

Item No.	Description	Quantity	Unit	Material	Price
150-1000	TRAFFIC CONTROL - STP-0937(8)	25000	LUMP	LS	\$25000.00
210-0100	GRADING COMPLETE - STP-0937(8)	29000	LUMP	LS	\$29000.00
303-0468	TPSL, SD-CL, OR CHERT BASE & SHLDR CRS, CL B, 8 IN, INCL	2	2700	SY	\$5400.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	35	450	TN	\$15750.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	19	80	LF	\$1520.00
Section SUB TOTAL					\$76670.00

INFLATION & E/C

Item No.	Description	Quantity	Unit	Material	Price
100-0001	INFLATION (5% X 6 YRS.)	778941.45	LUMP	DOLLARS	\$778941.45
100-0002	E/C (10%)	306930.00	LUMP	DOLLARS	\$306930.15
Section SUB TOTAL					\$1085871.60
Total Project Cost					\$3376231.60

DETAIL COST ESTIMATE FOR PROJECT 231260 STP-0937(8) BURKE/JEFFERSON COUNTY (S.R. 24 PASSING LANES)
 ALTERNATE "B" (RETAIN EXISTING VERTICAL ALIGNMENT)
 PROJECT LENGTH = 5.63 MILES

ITEM	DESCRIPTION	UNITS	WT. AVG.	QUANTITY	COST
	ROADWAY				
150-1000	TRAFFIC CONTROL - STP-0937(8)	LS	110000	LUMP	\$110000.00
207-0203	FOUND BK FILL MATL, TP II	CY	31	100	\$3100.00
210-0100	GRADING COMPLETE - STP-0937(8)	LS	185000	LUMP	\$100000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TN	13	22000	\$286000.00
318-3000	AGGR SURF CRS	TN	14	800	\$11200.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM & H LIME	TN	35	6100	\$213500.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM & H LIME	TN	35	9200	\$322000.00
402-3131	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM & H LIME	TN	37	12000	\$444000.00
413-1000	BITUM TACK COAT	GL	1	8000	\$8000.00
441-0016	DRIVEWAY CONCRETE, 6 IN TK	SY	29	160	\$4640.00
444-1000	SAWED JOINTS IN EXIST PAVEMENTS - PCC	LF	4	150	\$600.00
446-1001	PVMT REINF FABRIC STRIPS, TP 1, INCL BITUM BINDER	LF	2	30000	\$60000.00
500-3101	CLASS A CONCRETE	CY	371	54	\$20034.00
511-1000	BAR REINF STEEL	LB	1	3350	\$3350.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	29	600	\$17400.00
550-1240	STORM DRAIN PIPE, 24 IN, H 1-10	LF	34	620	\$21080.00
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	42	64	\$2688.00
550-1360	STORM DRAIN PIPE, 36 IN, H 1-10	LF	50	64	\$3200.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	19	800	\$15200.00
550-2240	SIDE DRAIN PIPE, 24 IN, H 1-10	LF	21	320	\$6720.00
550-2300	SIDE DRAIN PIPE, 30 IN, H 1-10	LF	30	200	\$6000.00
550-3618	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	EA	436	48	\$20928.00
550-3624	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	EA	639	20	\$12780.00
550-3630	SAFETY END SECTION 30 IN, SIDE DRAIN, 6:1 SLOPE	EA	1156	16	\$18496.00
573-2006	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	LF	10	1000	\$10000.00
603-1018	STN PLAIN RIP RAP, 18 IN	SY	33	300	\$9900.00
610-9099	REM WINGWALLS & PARAPETS	LS	3000	LUMP	\$3000.00
634-1200	RIGHT OF WAY MARKER	EA	73	25	\$1825.00
668-8011	SAFETY GRATE, TP 1	SF	23	260	\$5980.00
668-8012	SAFETY GRATE, TP 2	SF	23	430	\$9890.00
668-8013	SAFETY GRATE, TP 3	SF	25	70	\$1750.00
				Section SUB TOTAL	\$1753261.00
700-0200	GRASSING - STP-0937(8)	LS	100000	LUMP	\$75000.00
				Section SUB TOTAL	\$75000.00

EROSION CONTROL

TEMPORARY EROSION CONTROL

161-1000	EROSION CONTROL - STP-0937(8)	20000	LUMP	\$20000.00
163-2051	CONSTR, MAINT AND REMOVE BALED STRAW EROSION CHECK	3	8000	\$24000.00
171-0010	TEMPORARY SILT FENCE, TYPE A	3	5000	\$15000.00
171-0030	TEMPORARY SILT FENCE, TYPE C	4	2000	\$8000.00
716-2000	EROSION CONTROL MATS, SLOPES	2	275	\$550.00
	Section SUB TOTAL			\$67550.00

TRAFFIC SIGNS & MARKINGS

636-0500	WOOD SIGN POSTS	17	450	\$7650.00
636-1020	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	18	200	\$3600.00
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	63	3	\$189.00
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	0.2	68000	\$13600.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	0.2	65000	\$13000.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	5	600	\$3000.00
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	0.1	19000	\$1900.00
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	2	12000	\$24000.00
654-1001	RAISED PVMT MARKERS TP 1	4	750	\$3000.00
654-1002	RAISED PVMT MARKERS TP 2	5	400	\$2000.00
	Section SUB TOTAL			\$71939.00

INFLATION & E/C

100-0001	INFLATION (5% X 6 YRS.)	669223.20	LUMP	\$669223.20
100-0002	E/C (10%)	263697.32	LUMP	\$263697.32
	Section SUB TOTAL			\$932920.52
	Total Project Cost			\$2900670.52

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE STP- 0937(8), Burke County OFFICE Environment/ Location
P.I.# 231260
DATE October 20, 1999

FROM David E. Studstill, P.E., State Environment/ Location

TO Thomas Clark, District Design Engineer
Attn. David Griffith, Renee Decker

SUBJECT SR 24 in Burke County.

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

<u>MP22-23.3</u>	<u>MP24.3-25.6</u>	<u>MP29-30.3</u>	<u>MP37.1-1.1Jefferson</u>
2027 ADT = 5400	2027 ADT = 4600	2027 ADT = 2700	2027 ADT = 3300
2007 ADT = 3400	2007 ADT = 2900	2007 ADT = 1700	2007 ADT = 2100
K = 9%	K = 9%	K = 9%	K = 9%
D = 60%	D = 60%	D = 60%	D = 60%
T = 5%	T = 5%	T = 5%	T = 5%
24 HR T = 7%	24 HR T = 7%	24 HR T = 7%	24 HR T = 7%
SU = 3.5%	SU = 3.5%	SU = 3.5%	SU = 3.5%
COMB = 3.5%	COMB = 3.5%	COMB = 3.5%	COMB = 3.5%

If you have any questions concerning this information please contact
Dan Funk at (404) 699- 3474.

Cross, Holly

From: Pennington, Deborah
Sent: Wednesday, March 22, 2000 6:24 PM
To: Middlebrooks, Percy
Cc: Griffith, David; Decker, Renee; Cross, Holly
Subject: RE: 231260- BURKE/JEFFERSON STP-0937(8)

Response from Programming is attached. Please proceed with the Concept submission and put Percy's comment in under LGPA. I would attach a copy of the e-mail if you think it is necessary.

-----Original Message-----

From: Middlebrooks, Percy
Sent: Wednesday, March 22, 2000 7:27 AM
To: Pennington, Deborah
Cc: Smith, Cherise
Subject: RE: 231260- BURKE/JEFFERSON STP-0937(8)

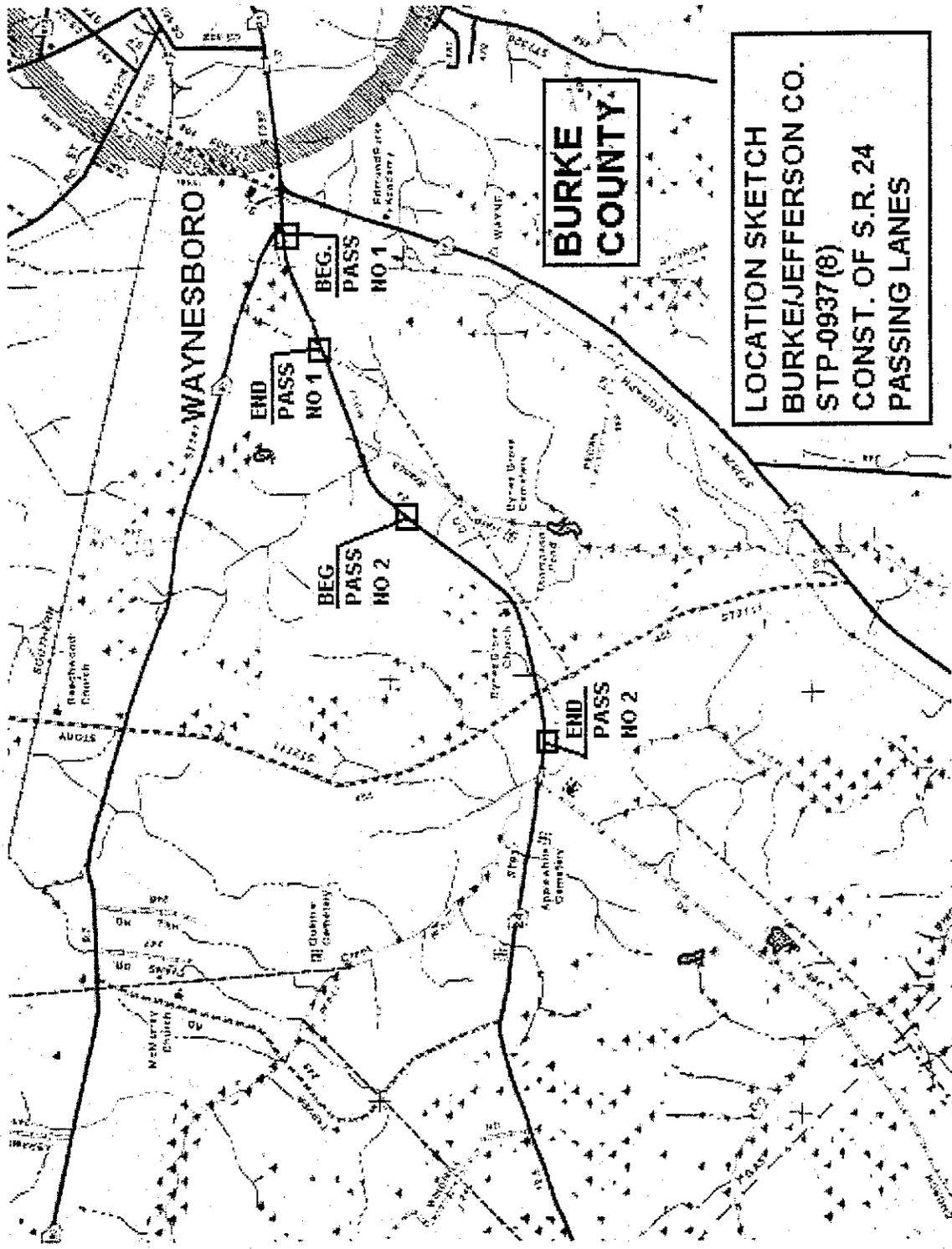
I'm don't see why an LGPA is needed at this time. The LGPA will ask for utilities so it does not affect R/W. Department policy is to send the LGPA 3 years prior to construction so the date signed is not so old when the project finally gets to construction. If you need a comment for the concept report put "LGPA to be sent for Utilities 3 years prior to construction." If there is another reason for needing an LGPA now, please let me know.

-----Original Message-----

From: Pennington, Deborah
Sent: Tuesday, March 21, 2000 3:00 PM
To: Smith, Cherise
Cc: Middlebrooks, Percy; Griffith, David; Cross, Holly; Decker, Renee
Subject: 231260- BURKE/JEFFERSON STP-0937(8)

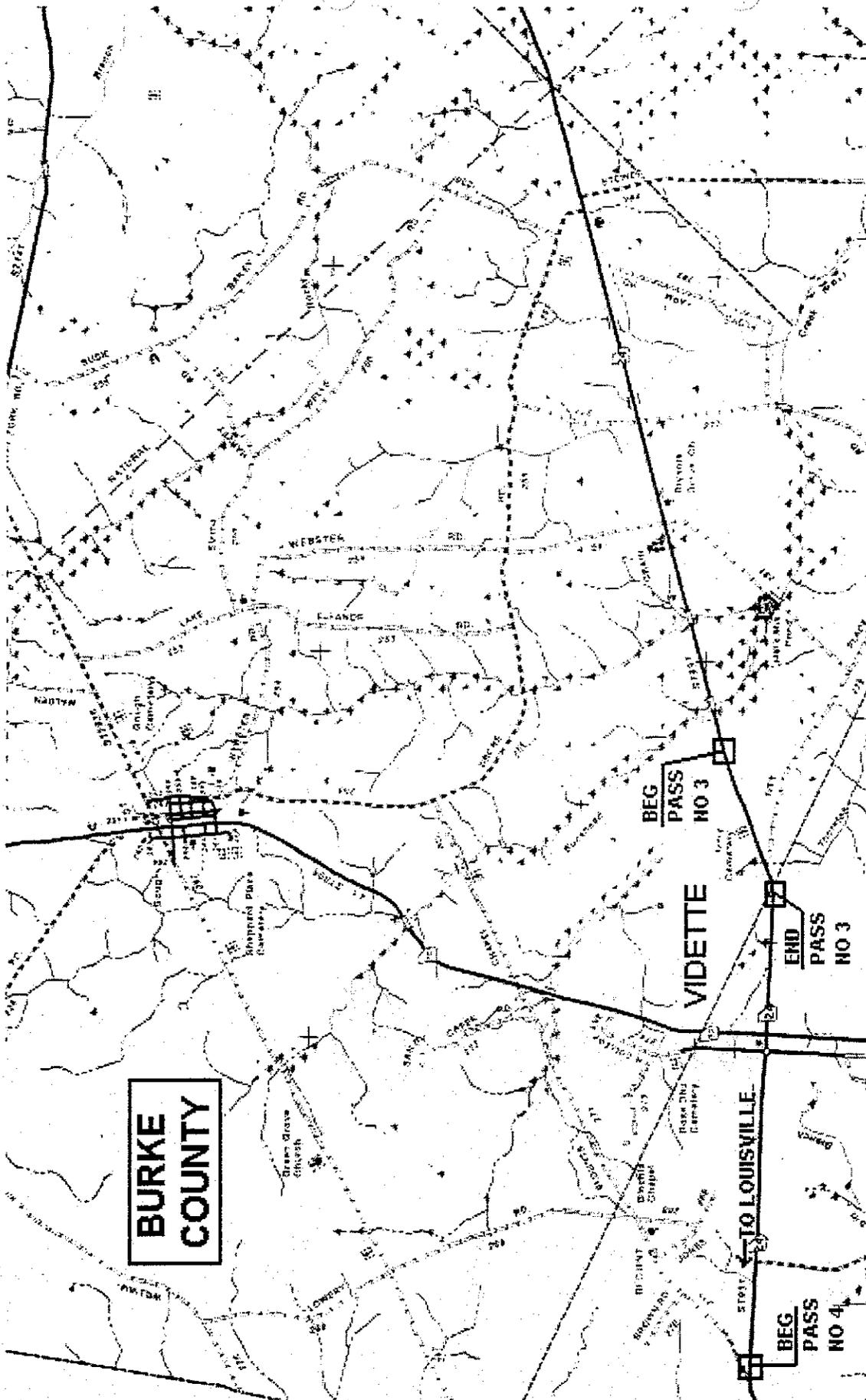
The above referenced project consists of 5.40 miles of passing lanes. PE was received 9711, and the District began work on the project 1/1/00. We are preparing to submit the concept for review and approval. Could you send an LGPA to the affected governmental entities? Thanks in advance for your assistance. I realize that construction shows as LR; however, right of way is scheduled for 2002; therefore, in order to meet our schedule, we need to submit the concept for review and approval by March 31, 2000.

Deborah Pennington, District Planning and Programming Engineer
P.O. Box 8, 801 4th Street
Tomball, Georgia 31089
(912) 552-4631

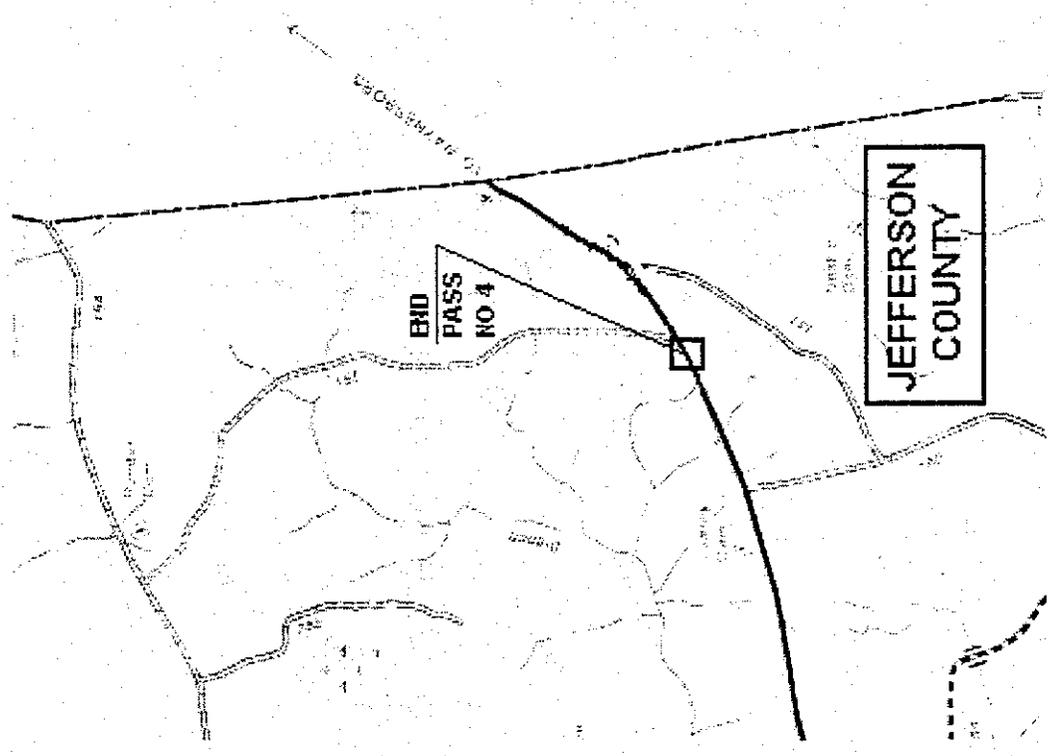


BURKE COUNTY

LOCATION SKETCH
BURKE/JEFFERSON CO.
STP-0937(8)
CONST. OF S.R. 24
PASSING LANES



0 0 0



CONCEPT TEAM MEETING MINUTES CONT'D

4. On Passing lane # 2, revised beginning Milepost from 24.3 to 24.2 to work out striping. Utilities suggested widening on the north side in order to miss power poles, but this was not feasible because of the church on the north side. Team members also suggested not replacing guardrail at end of passing lane # 2.
5. On Passing lane # 3, Mileposts were changed from 32.8 & 34.2 to 32.85 & 34.4 in order to work out striping and to avoid guardrail. There are wetlands on both sides of this passing lane. There is also a cemetery on the opposite side of proposed passing lanes.
6. On Passing Lane # 4, revised beginning Milepost from 37 to 36.9 to work out striping. There is a possible historic house on the south side. Widening will begin on the south side and then roll to north side in order to avoid the City of Louisville gas line.
7. The City of Louisville has a 4-in high-pressure steel gas main running along the north side of S.R. 24 which will involve passing lane # 4. This line parallels S.R. 24 to the city of Vidette and then turns north on S.R. 305.
8. The District Environmentalist noted that there are approximately 17 Wetland sites on this project.

If any assistance is needed, please contact Renee' Decker at (912)552-4659

UTILITY COMMENTS FOR CONCEPT TEAM MEETING

STP-0937 (8) – Burke/Jefferson Counties
P.I. No. 231260
April 10, 2000

Electrical

Georgia Power Company
Municipal Electric Authority of Georgia
Jefferson Energy Corporation
Planter's Electric Membership Corporation

Telephone

BellSouth Telecommunications, Inc.

Gas

City of Louisville

Water

None

Sewer

None

Cable Television

Comcast

Railroad

None

General Utility Comments

The City of Waynesboro has both water and sanitary sewer facilities along State Route 24. Both of these facilities end at Lovers Lane.

The City of Waynesboro has a 6 inch gas main running along the south side of State Route 24 from the Waynesboro CBD to the intersection of State Route 56. At this point, it turns south and runs along the East Side of State Route 56 within the existing right of way to Midville.

The City of Louisville has a 4-inch high-pressure steel gas main running along the north side of State Route 24. This line parallels State Route 24 to Vidette. At Vidette, the line turns north within the existing right of way of State Route 305 for approximately one. At this point the line leaves the right of way of State Route 305 and goes cross-country on private property to Southern Naturals transmission line.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

STP-0937(8)

P.I. No. 231260

Burke/Jefferson County

Construction of Passing Lanes on S.R. 24

Westbound MP 22.1 to 23.3 & Eastbound MP 24.2 to 25.6

Eastbound MP 32.85 to 34.4 & Westbound MP 36.9(Burke) to 1.1(Jefferson)

Federal Route No.: ST0937

Date of Report: April 25, 2000

State Route No.: 24

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 STIP.

Date _____
State Transportation Programming Engineer

Date _____
State Environmental/Location Engineer

Date _____
State Road Design Engineer

4-26-00

Date _____
District Engineer/Tennille

4/5/00

Date _____
Project Review Engineer

Date _____
State Traffic Operations Engineer

Date _____
State Bridge & Structural Engineer

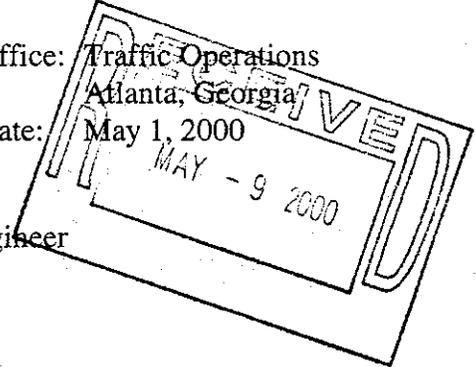
Department of Transportation
State of Georgia

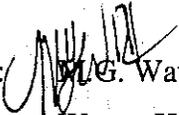
INTERDEPARTMENTAL CORRESPONDENCE

File: STP-0937(8)/Burke-Jefferson Counties
P.I. No. 231260

Office: Traffic Operations
Atlanta, Georgia

Date: May 1, 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 a series of passing lanes on SR 24, beginning at mile point 22.1 in Burke County and extending to mile point 1.1 in Jefferson County, an approximate total length of 5.6 miles of construction. This project will also correct poor vertical alignment and provide deceleration lanes at side roads.

SR 24, is currently a two lane facility with 12 foot lanes, and 8 foot shoulders, 2 foot which is paved. The posted speed limit is 55mph.

Passing lanes 1 and 4 will provide passing opportunities in the west bound direction. An additional 12 foot lane with 8 foot grassed shoulders, 2 foot paved will be provided. Passing lanes 2 and 3 are for eastbound directional traffic with the same typical provided as the westbound traffic. Traffic is to be maintained via staging, on existing alignment, for passing lanes 1 and 3. For passing lanes 2 and 4, on-site detours will be constructed and traffic moved to the detours until correction of the vertical alignments.

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
Michael Thomas, District Engineer
Attention: Tom Clark
David Mulling, w/ attachment
Marta Rosen
Chuck Hasty, TMC
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ENVIRONMENT/LOCATION

CONCEPT REPORT

STP-0937(8)

P.I. No. 231260

Burke/Jefferson County

Construction of Passing Lanes on S.R. 24

Westbound MP 22.1 to 23.3 & Eastbound MP 24.2 to 25.6

Eastbound MP 32.85 to 34.4 & Westbound MP 36.9(Burke) to 1.1(Jefferson)

Federal Route No.: ST0937

Date of Report: April 25, 2000

State Route No.: 24

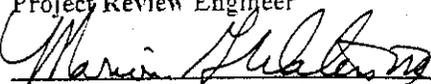
RECOMMENDATION FOR APPROVAL

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 STIP.

Date _____ State Transportation Programming Engineer

Date _____ State Environmental/Location Engineer

Date _____ State Road Design Engineer
4-26-00 
Date _____ District Engineer/Tennille

Date _____ Project Review Engineer
5/4/2000 
Date _____ State Traffic Operations Engineer

Date _____ State Bridge & Structural Engineer