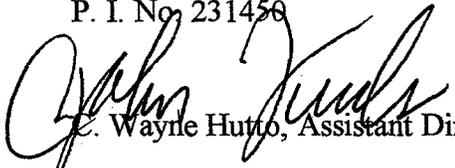


ORIGINAL TO GENERAL FILES

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE NH-089-1(26) Baldwin County **OFFICE** Preconstruction
P. I. No. 231456
DATE April 8, 2002
FROM  E. Wayne Hutto, Assistant Director of Preconstruction
TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keeper
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Gerald Ross
Ben Buchan
Mike Thomas
BOARD MEMBER

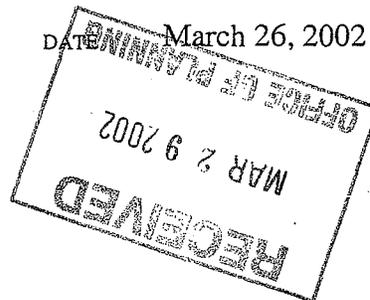
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-089-1(26) Baldwin County
P.I. No. 231450

OFFICE Tennille

DATE March 26, 2002



FROM *GMB*
George M. Brewer, District Design Engineer

TO Wayne Hutto, Assistant Director of Preconstruction

SUBJECT **REVISED PROJECT CONCEPT REPORT**

Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The project length was revised from 2.4 miles to 2.8 miles with the limits extending from just west of Felton Drive to just east of the Milledgeville Bypass. The project was extended to provide turn lanes into Felton Drive.

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

Date 4-1-02

Marta F. Rosen
State Transportation Planning Administrator

GMB

- Cc: David Mulling
- Harvey Keepler
- Phillip Allen
- Marta Rosen
- Herman Griffin
- Roger Price

REVISED PROJECT CONCEPT REPORT

Need and Purpose: *SR 49 is a primary north-south corridor in Central Georgia, connecting the city of Milledgeville in Baldwin County to the city of Macon in Bibb County and on to the city of Americus in Sumter County. Project NH-089-1(26) involves the widening and reconstruction of SR 49, an urban principal arterial, to four lanes with opposing lanes divided by a 14' flush median from just west of Allen Memorial Drive to just east of US 441/SR 29, the Milledgeville Bypass, for a total of 2.4 miles. Land use near the intersection of SR 49 and US 441 is commercial including a vocational school. Beyond the intersection with US 441, land use along this section is rural in nature with scattered commercial and residential development.*

The Annual Average Daily Traffic (AADT) on project NH-089-1(26) is 14,202 for 1998. Along NH-089-1(26), a southbound passing lane is located from the intersection of US 441/SR 29 to CR 419, Blandy Road. A northbound passing lane is located from south of the project limits to north of Allen Memorial Drive. The Level of Service along SR 49 is currently at "D", which indicates that the roadway is experiencing congestion and is nearing capacity. The projected (2018) AADT is over 19,000. Without improvements to the roadway, the projected LOS is at "E", which indicates heavy congestion and extended delay times. Multi-laning SR 49 will improve the LOS to "B" for the projected volume.

Project location: *The project is located on SR 49 from MP 7.46 just west of Allen Memorial Drive to just east of the Milledgeville Bypass at MP 9.93. The total length of the project is 2.4 miles.*

Description of the approved concept: *The original concept report proposed to widen SR 49 to four lanes with a 14' flush median with rural shoulders from west of Allen Memorial Drive to Blandy Road and urban shoulders from Blandy Road to east of the Milledgeville Bypass.*

PDP Classification:

Full Oversight (), Exempt(X), SF(), Other ()

Functional Classification: *Urban Principal Arterial*

U. S. Route Number(s): None

State Route Number(s): 49

Traffic (AADT) as shown in the approved concept:

Current Year: 14,202 (1998) Design Year: 19,900 (2018)

Proposed features to be revised: *The project limits are now extended 0.34 miles to the west at MP 7.12 to include the construction of turn lanes at the intersection of Felton Drive at the request of the Baldwin County Board of Commissioners and the District Traffic Operations Office. (See attached letter) The new project length is 2.8 miles*

Programmed/Schedule:

P.E.: Authorized

R/W: FY 2003

Construction: FY 2004

Revised cost estimates:

1. Construction cost including inflation and E&C: \$5,113,100
2. Right-of-way: \$550,000
3. Utilities: \$700,000

Is the project located in a Non-attainment area?YesX No.

Recommendation: *The District recommends that the proposed revision to the concept be approved for implementation.*

Attachments:

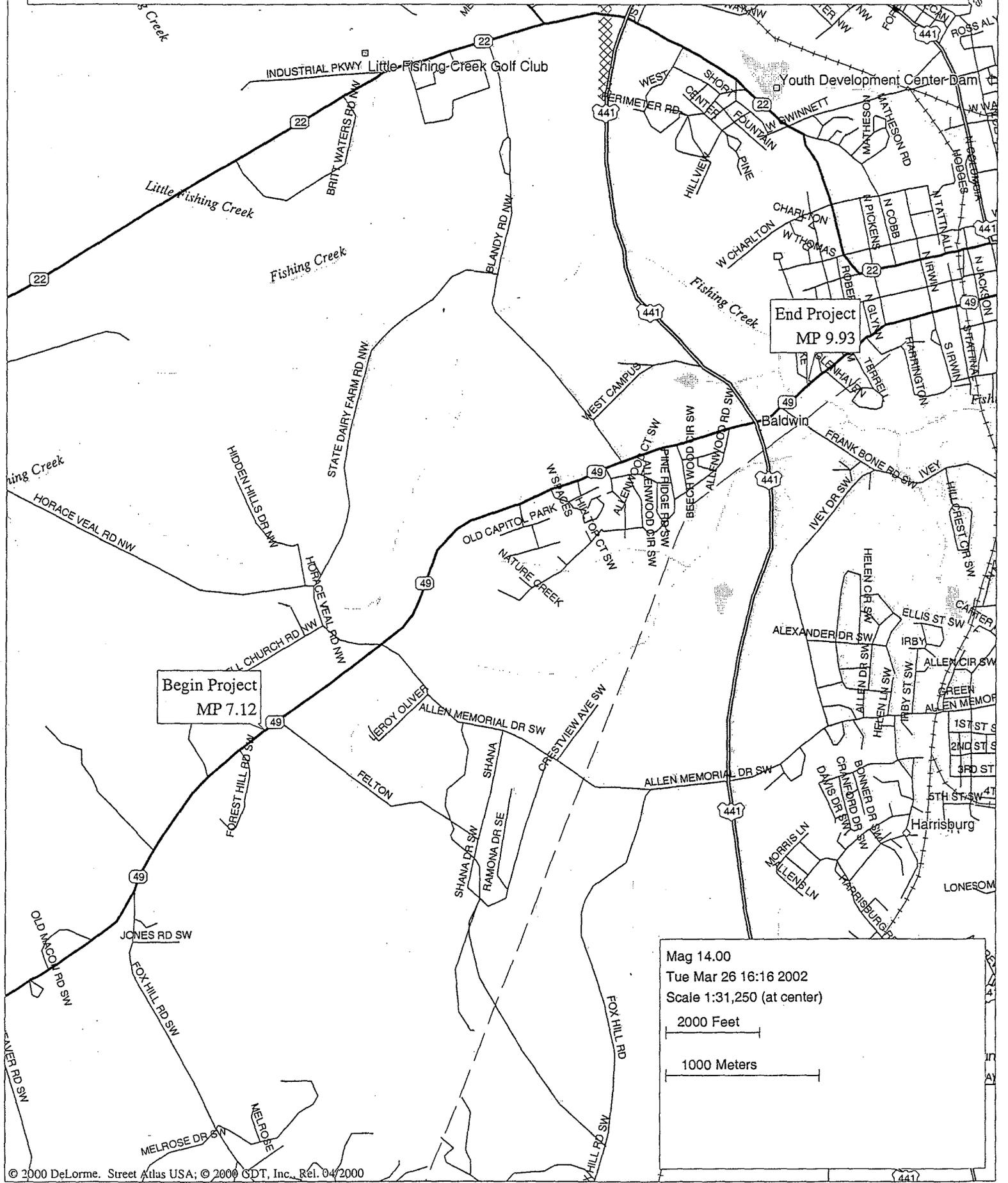
1. Sketch Map,
2. Cost Estimates,
3. Recommendation letter from Traffic Operations

• **Exempt projects**

Concur: Thomas L. Turner by ACH
Director of Preconstruction

Approve: LLC Smith
Chief Engineer

NH-089-1(26) Baldwin



Begin Project
MP 7.12

End Project
MP 9.93

Mag 14.00
Tue Mar 26 16:16 2002
Scale 1:31,250 (at center)

2000 Feet

1000 Meters

ITEM	DESCRIPTION	UNITS	WT. AVG.	QUANTITY	COS
UD01 BALDWIN					
WIDENING AND RECONSTRUCTION OF SR 49 FROM FISHING CREEK TO FELTON DRIVE NH-089-1(26)					
PROJECT LENGTH 2.8 MILES					
ROADWAY					
210-0100	GRADING COMPLETE NH-089-1(26)	LUMP	600000	1	\$600000.00
310-1101	GR AGGR BASE CRS, INCL MATL	TN	21.48	21500	\$461820.00
318-3000	AGGR SURF CRS	TN	17.88	1000	\$17880.00
402-1812	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	TN	41.16	4250	\$174930.00
402-3112	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	40	6000	\$240000.00
402-3121	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MA	TN	40	12000	\$480000.00
402-3130	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM M	TN	40.99	7500	\$307425.00
413-1000	BITUM TACK COAT	GL	1.17	5600	\$6552.00
441-0104	CONC SIDEWALK, 4 IN	SY	49.7	6000	\$298200.00
441-0301	CONC. SPILLWAY, TP 1	EA	1395.83	4	\$5583.32
441-6740	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	LF	11.42	10400	\$118768.00
446-1002	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	LF	3.65	23250	\$84862.50
500-3800	CLASS A CONCRETE, INCL REINF STEEL	CY	774.94	10	\$7749.40
550-1150	STORM DRAIN PIPE, 15 IN, H 1-10	LF	27.28	6000	\$163680.00
550-1180	STORM DRAIN PIPE, 18 IN, H 1-10	LF	30.03	2500	\$75075.00
550-1300	STORM DRAIN PIPE, 30 IN, H 1-10	LF	45	750	\$33750.00
550-2180	SIDE DRAIN PIPE, 18 IN, H 1-10	LF	22.91	500	\$11455.00
550-3415	SAFETY END SECTION 15 IN, SIDE DRAIN, 4:1 SLOPE	EA	546.19	50	\$27309.50
550-3418	SAFETY END SECTION 18 IN, SIDE DRAIN, 4:1 SLOPE	EA	461.07	30	\$13832.10
550-3424	SAFETY END SECTION 24 IN, SIDE DRAIN, 4:1 SLOPE	EA	582.23	10	\$5822.30
550-4218	FLARED END SECTION 18 IN, STORM DRAIN	EA	423	6	\$2538.00
550-4230	FLARED END SECTION 30 IN, STORM DRAIN	EA	594.68	4	\$2378.72
634-1200	RIGHT OF WAY MARKER	EA	75	50	\$3750.00
641-1100	GUARDRAIL, TP T	LF	50.4	3000	\$151200.00
641-5001	GUARDRAIL ANCHORAGE, TP 1	EA	454	10	\$4540.00
641-5012	GUARDRAIL ANCHORAGE, TP 12	EA	1646	10	\$16460.00
668-1100	CATCH BASIN, GP 1	EA	1804.04	35	\$63141.40
668-2100	DROP INLET, GP 1	EA	1672	20	\$33440.00
668-5000	JUNCTION BOX	EA	1347	10	\$13470.00
Section SUB TOTAL					\$3425612.24
EROSION CONTROL					
700-6900	PERMANENT GRASSING	LB	53.67	1200	\$64404.00
700-7000	AGRICULTURAL LIME	TN	90.98	50	\$4549.00
700-8000	FERTILIZER MIXED GRADE	TN	281.7	20	\$5634.00
700-8100	FERTILIZER NITROGEN CONTENT	LB	3.61	1200	\$4332.00
710-9000	PERMANENT SOIL REINFORCING MAT	SY	6.99	500	\$3495.00
Section SUB TOTAL					\$82414.00
TEMPORARY EROSION CONTROL					
163-0230	TEMPORARY GRASSING	LB	42.68	500	\$21340.00
163-0235	TEMPORARY MULCH	TN	601.35	400	\$240540.00
163-0530	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	LF	2.61	5000	\$13050.00
165-0010	MAINTENANCE OF SILT FENCE TYPE A	LF	1.48	10000	\$14800.00
165-0030	MAINTENANCE OF SILT FENCE TYPE C	LF	2.06	4000	\$8240.00
165-0070	MAINTENANCE OF BALED STRAW EROSION CHECK	LF	1.52	2500	\$3800.00
171-0010	TEMPORARY SILT FENCE TYPE A	LF	2.32	5000	\$11600.00
171-0030	TEMPORARY SILT FENCE TYPE C	LF	4.2	2000	\$8400.00
Section SUB TOTAL					\$321770.00
TRAFFIC SIGNS AND MARKINGS					
639-4004	STEEL STRAIN POLE, TP IV	EA	3818.63	4	\$15274.52
652-2501	SOLID TRAF STRIPE, 5 IN, WHITE	LM	272		\$1088.00
652-2502	SOLID TRAF STRIPE, 5 IN, YELLOW	LM	277		\$1108.00
652-5701	SOLID TRAF STRIPE, 24 IN, WHITE	LF	2.57		\$10.28
652-9001	TRAFFIC STRIPE, WHITE	SY	2.49		\$9.96
652-9002	TRAFFIC STRIPE, YELLOW	SY	2		\$8.00
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	78.93		\$315.72
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	62.28		\$249.12
653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	1		\$4.00
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	1		\$4.00
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	4.78		\$19.12
653-3502	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	GLF	0.17		\$0.68
653-6004	THERMOPLASTIC TRAF STRIPING, WHITE	SY	2.91		\$11.64
653-6006	THERMOPLASTIC TRAF STRIPING, YELLOW	SY	2.98		\$11.92
654-1001	RAISED PVMT MARKERS TP 1	EA	4.31		\$17.24

654-1003 RAISED PVMT MARKERS TP 3
654-1010 RAISED PVMT MARKERS TP 10

INFLATION & E&C

100-0001 INFLATION (5%/YR FOR 4 YRS)
100-0002 E&C (10%)

EA	3.94		\$15.70
EA	37.12		\$148.48
		Section SUB TOTAL	\$18296.44
LUMP	800000	LUMP	\$800000.00
LUMP	465000	LUMP	\$465000.00
		Section SUB TOTAL	\$1265000.00
		Total Project Cost	\$5113092.68



801 Fourth Street

P.O. Box 8

Department of Transportation
State of Georgia
Office of District Engineer
Tennille, Georgia 31089-0008

February 20, 2002

Ms. Joan Minton, County Manager
Baldwin County Board of Commissioners
Suite 314, Courthouse
1601 North Wilkinson Street
Milledgeville, Georgia 31061-3365

2/26/02
GEORGE/JAMIE
FYI
DJB

Dear Ms. Minton:

**RE: TRAFFIC ENGINEERING STUDY
STATE ROUTE 49 AT FELTON DRIVE - BALDWIN COUNTY**

This letter is to confirm that the Department of Transportation has updated a previous traffic engineering study to determine if operational changes should be made at this intersection. The study was conducted using current peak hour turning movement traffic volumes on State Route 49 at this intersection. Accident information was also obtained from the Baldwin County Sheriff's Department and the Georgia State Patrol.

Accident information for this intersection was compiled for the period from January 1, 1997 until September 30, 1998. Five crashes were found to have occurred at this location during the study period. Of these five crashes, three were collisions with deer. For the previous study, accident information was compiled for the period from January 1 until December 31, 1996. No accidents occurred at this intersection during that period. We have not been able to determine that re-striping State Route 49 from the existing eastbound passing lane configuration to add a westbound left turn lane would improve the overall safety and/or operation of this intersection. We do not recommend this change.

Attached are sketches prepared showing recommended construction to provide the left turn lane you requested. These sketches had previously been discussed with Dean M^cCaskill at the Baldwin County Commissioner's Office. At that time we advised Mr. M^cCaskill that we would explore the possibility of extending the project limits for the proposed widening and reconstruction of State Route 49 from Fishing Creek to Allen Memorial Drive to include this intersection. At this time we have not made a determination whether extension of this project might be possible. Should NH-089-1(26) Baldwin County - P.I. No. 231450 not be able to be extended to include this intersection the construction to provide this left turn lane can be done by a special encroachment permit approved for the Baldwin County Commissioners.

Page Two
Ms. Joan Minton
February 19, 2002

You may contact me at 478-552-4619 if you need additional information.

Yours very truly,

DEPARTMENT OF TRANSPORTATION

A handwritten signature in black ink, appearing to read "Roger E. Price", with a large, stylized flourish extending to the right.

BY: Roger E. Price
District Traffic Engineer

FOR: Michael L. Thomas, P.E.
District Engineer

REP:rp

Cc: Tom Coleman, Transportation Commissioner
David Griffith, District Pre-Construction Engineer
Collins P. Lee, Vice Chairman of Commissioners - Baldwin County
Dean McCaskill, Public Works - Baldwin County

