

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 621660, Floyd County **OFFICE** Preconstruction
HPP-NH-012-1(85) LP
West Rome Bypass **DATE** August 3, 2005

FROM *Margaret B. Pirkle*
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

Attached for your further handling is the approved Location and Design Report on the above subject project.

Also attached is the Notice of Location and Design Approval. This is authorization for the District to proceed with advertisement.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Joe Palladi (file copy)
Babs Abubakari
Kent Sager
BOARD MEMBER

422

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: HPP-NH-012-1(85)LP
FLOYD COUNTY
P.I. No. 621660
West Rome Bypass

OFFICE: Consultant Design/Program Delivery
DATE: March 14, 2005

FROM: 
Mohammed (Babs) Abubakari, P.E.
State Consultant Design/Program Delivery Engineer

TO: Buddy Gratton, P.E., Preconstruction Division Director

SUBJECT: Request for Location and Design Approval

Description and Project Proposal:

Project HPP-NH-012-1(85)LP, West Rome Bypass in Floyd County, begins 0.34 miles south of the Coosa River on Black's Bluff Road Extension in Floyd County. Black's Bluff Road Extension is currently a two lane road with graded shoulder. The project will improve the existing road to a four 12' lanes with a 44' depressed median. The outside shoulders will be 10' graded, 6.5' of which will be paved. Approximately 0.15 miles north of the Coosa River, just south of the intersection of Black's Bluff Road Extension and Horseleg Creek Road, the project departs from the existing road the becomes new location. The typical section of the new location section of the project is the same as for the widening.

The project continues roughly north and west, crossing Burnett Ferry Road between its intersections with Mays Bridge Road and Horseleg Creek Road, and then crosses Beech Creek. The proposed road turns to the west as it crosses a tributary of Beech Creek. The project then turns back to the north as it crosses Turner Bend Road just to the west of its intersection with Oreburg Road. The proposed roadway crosses over the Norfolk Southern Railroad and then intersects with State Route 20. A loop ramp will provide free flowing movement for northbound traffic from the bypass to westbound SR 20. The total length of the project is 5.48 miles.

The project includes six bridges locations, 1 new bridge over the Coosa River, parallel to an existing bridge, a new pair of bridges over a tributary to Mountain End Lake, a new pair of bridges over Beech Creek, a new pair of bridges over a Beech Creek tributary, a new pair of bridges over the Norfolk Southern Railroad and a new bridge over State Route 20.

Concept Approval Date: December 7, 1992; **Concept Revised:** January 27, 1999

Concept Update: The following changes have been made to the project concept since the Revised Project Concept Approval dated January 27, 1999:

- The Revised Project Concept dated January 27, 1999 for the West/Southwest Rome Bypass in Floyd County includes Project HPP-NH-012-1(85)LP P.I. No. 621660 and Project NH-012-1(86)LP P.I. 621670. The project limits for both HPP-NH-012-1(85)LP and NH-012-1(86)LP have changed. The project limits for HPP-NH-012-1(85)LP have been changed to begin just southeast of the Coosa River and extend northwesterly to SR 20 including the new bridge crossing the Coosa River. The beginning of Project NH-012-1(86)LP has been changed to include the entire diamond interchange at US 27/SR 1. The end of Project NH-012-1(86)LP has been changed to approximately 2000' southeast of the Coosa River Bridge. The new project length for Project HPP-NH-012-1(85)LP is 5.48 miles. The new Project length for NH-012-1(86)LP is 5.56 miles..
- An additional pair of bridges will be constructed under Project HPP-NH-012-1(85)LP at Mountain End Lake.
- Modification to the approved concept also includes changes to the proposed alignment for Project HPP-NH-012-1(85)LP from just south of Turner Bend Road to State Route 20. In the vicinity of Turner Bend Road, the proposed highway was shifted to the west and Turner Bend Road was realigned.
- The interchange of the West Rome Bypass with State Route 20 proposed under Project HPP-NH-012-1(85)LP was also shifted to the west, and the ramp configuration was changed. A loop ramp will be provided at this interchange for northbound traffic on the Bypass to westbound State Route 20.

Environmental Assessment and Reassessment Approval Date

The approval of the Environmental Assessment and Reassessment is dated 3/21/00

Public Involvement

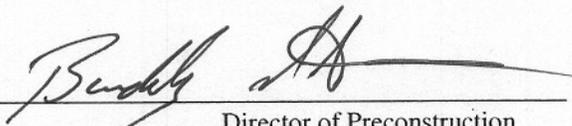
A location and Design Public Hearing was held for projects 621660 and 621670 was on July 20, 1999 from 4:00 p.m. to 7:00 p.m. All of the 429 citizens attending the hearing were given an opportunity to comment on the project. Also, written comments were accepted until July 30, 1999. From those responding during the ten-day comment period following the hearing, a total of 114 comments were received from different citizens. Of those commenting, 63 gave general support, 34 were opposed, and 17 conditionally supported the project.

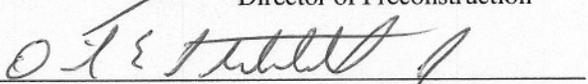
A Public Information Meeting was held on March 27, 2003 for comments on a project modification from the original concept from just south of Turner Bend Road to State Route 20. All of the 205 citizens attending the hearing were given an opportunity to comment on the project. Also, written comments were accepted until April 7, 1999. From those responding during the ten-day comment period following the hearing, a total of 14 comments were received from different citizens. Of those commenting, 8 gave general support, 1 was opposed, and 5 conditionally supported the project.

Consistency with Approval Planning:

The design description as presented herein and submitted for approval is consistent with the approved Environmental Document. The project changes noted in the Concept Update portion of this request should be reflected in the proposed planning for Floyd County.

Recommendation: It is recommended that the location and design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND: 
Director of Preconstruction

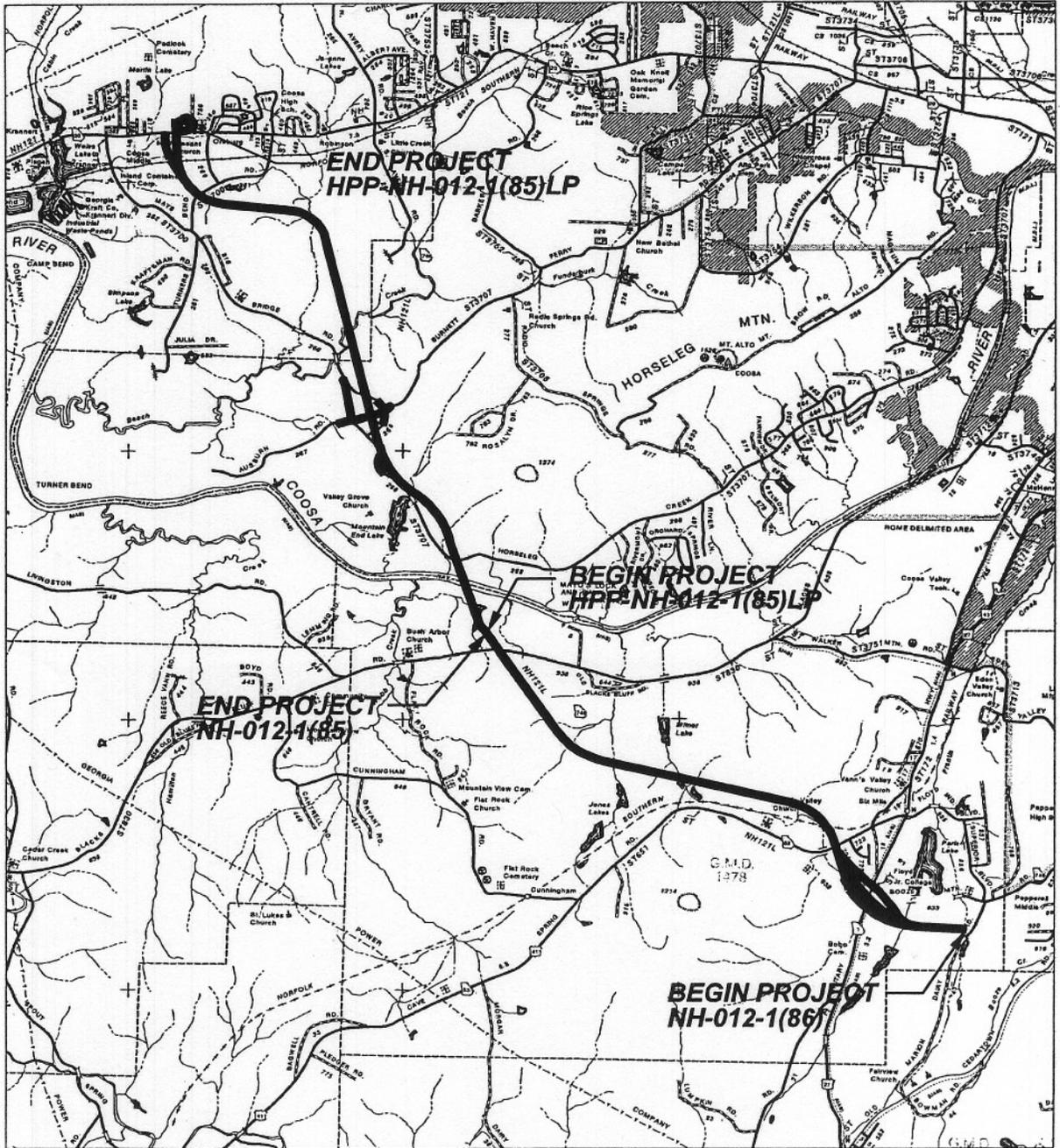
APPROVE: 
Chief Engineer

7/29/05
Date of Approval

Attachments:

- Location Map
- Cost Estimate
- Notice of Location and Design Approval
- SR 20 Interchange sketch

WEST ROME BYPASS - HPP-NH-012-1(85)LP
SOUTHWEST ROME BYPASS - NH-012-1(86)
FLOYD COUNTY
LOCATION SKETCH





FUTURE RAMP

WEST ROME BYPASS

FUTURE CONSTRUCTION

NORTHBOUND
EXIT RAMP

NORTHBOUND EXIT RAMP EAST

STATE ROUTE 20

40+00

45+00

50+00

55+00

60+00

RAMP
SR 20 - SB

210+00

205+00

150+00

WEST ROME BYPASS

110+00

115+00

120+00

CONSTRUCTION COST ESTIMATE
OFFICE OF CONSULTANT DESIGN

DATE: 1/14/2005

PREPARED BY: Jordan Jones & Goulding
 SRW

PROJECT NO: HPP-NH-012-1(85)LP

FILE NAME: State Route 1 Loop

P.I. NO: 621660

MILEAGE: Project Length
 5.13 mi

PROJECT DESCRIPTION/CONCEPT: West Rome Bypass - from just south of Coosa River to State Route 20

EXISTING ROADWAY: NO

TRAFFIC: CURRENT ADT: 10,200 VPD (2004)

PROJECTED ADT: 20,400 VPD (2024)

- () PROGRAMMING PROCESS
- () CONCEPT DEVELOPMENT
- (X) DURING PROJECT DEVELOPMENT

PROJECT COSTS

	Quantity	Units	Unit Cost	Total
A. RIGHT OF WAY				
1. PROPERTY (LAND & EASEMENT)	1	Lump Sum	\$7,200,000.00	\$7,200,000.00
2. DISPLACEMENTS	1		\$2,000,000.00	\$2,000,000.00
3. OTHER COST (ADMIN./COST/INFL.)	1		\$500,000.00	\$500,000.00
			SUBTOTAL	\$9,700,000.00
B. REIMBURSIBLE UTILITIES				
1. RAILROAD	1	Lump Sum	\$25,000.00	\$25,000.00
2. TRANSMISSION LINES	1	Lump Sum	\$1,000,000.00	\$1,000,000.00
3. SERVICES	1	Lump Sum	\$75,000.00	\$75,000.00
			SUBTOTAL	\$1,100,000.00
C. CLEARING AND GRUBBING				
	212		AC@ \$5,670.00	\$1,202,040.00
			SUBTOTAL	\$1,202,040.00
D. EARTHWORK				
Unclassified Excavation	1690750		CY@ \$3.19	\$5,393,492.50
			SUBTOTAL	\$5,393,492.50

E. BASE AND PAVING

Aggregate Base

Graded Aggregate	160900	TN@	\$13.10	\$2,107,790.00
Aggregate Surface Course	1000	TN@	\$14.76	\$14,760.00

Asphalt Paving

12.5 mm superpave	22800	TN@	\$36.73	\$837,444.00
19 mm superpave	50700	TN@	\$37.48	\$1,900,236.00
25mm superpave	62600	TN@	\$34.87	\$2,182,862.00
Leveling	4090	TN@	\$37.86	\$154,847.40
Tack Coat	28200	GA@	\$0.91	\$25,662.00

SUBTOTAL \$7,223,601.40

F. DRAINAGE

Cross Drain System

STORM DRAIN PIPE, 18 IN, H 1-10	11500	LF@	\$28.86	\$331,890.00
STORM DRAIN PIPE, 24 IN, H 1-10	460	LF@	\$33.84	\$15,566.40
STORM DRAIN PIPE, 30 IN, H 1-10	1640	LF@	\$41.68	\$68,355.20
STORM DRAIN PIPE, 36 IN, H 1-10	490	LF@	\$51.94	\$25,450.60
STORM DRAIN PIPE, 42 IN, H 10-15	970	LF@	\$79.01	\$76,639.70
STORM DRAIN PIPE, 48 IN, H 10-15	400	LF@	\$87.12	\$34,848.00
FLARED END SECTION 18 IN, STORM DRAIN	99	EA@	\$383.82	\$37,998.18
FLARED END SECTION 24 IN, STORM DRAIN	3	EA@	\$475.36	\$1,426.08
FLARED END SECTION 30 IN, STORM DRAIN	11	EA@	\$637.31	\$7,010.41
FLARED END SECTION 36 IN, STORM DRAIN	4	EA@	\$727.03	\$2,908.12
FLARED END SECTION 42 IN, STORM DRAIN	2	EA@	\$981.45	\$1,962.90
FLARED END SECTION, 18 IN, SLOPE DRAIN	99	EA@	\$197.38	\$19,540.62
FLARED END SECTION, 24 IN, SLOPE DRAIN	3	EA@	\$400.00	\$1,200.00
FLARED END SECTION 18 IN, SIDE DRAIN	120	EA@	\$244.44	\$29,332.80
SIDE DRAIN PIPE, 18 IN, H 1-10	3000	LF@	\$23.22	\$69,660.00
UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	1100	LF@	\$11.21	\$12,331.00
CATCH BASIN, GP 1	42	EA@	\$1,735.86	\$72,906.12
DROP INLET, GP 1	90	EA@	\$1,775.08	\$159,757.20
SPRING BOX	2	EA@	\$1,910.71	\$3,821.42

SUBTOTAL \$972,604.75

G. CONCRETE WORK

Approach Slabs	2788	SY@	\$117.19	\$326,725.72
Concrete Driveways	9800	SY@	\$27.91	\$273,518.00
Curb and Gutter (Type 2)	7430	LF@	\$9.68	\$71,922.40
Valley Gutter	120	SY@	\$40.94	\$4,912.80
Sidewalk	4200	SY@	\$21.54	\$90,468.00
Class A Concrete, Incl. Reinf. Steel	750	CY@	\$681.87	\$511,402.50

SUBTOTAL \$1,278,949.42

H. TRAFFIC CONTROL	1	Lump Sum	\$685,000.00	\$685,000.00
			SUBTOTAL	\$685,000.00
I. EROSION CONTROL	1	Lump Sum	\$1,285,000.00	\$1,285,000.00
			SUBTOTAL	\$1,285,000.00
J. GUARDRAIL				
W-Beam Rail	36500	LF@	\$11.44	\$417,560.00
T-Beam Rail	200	LF@	\$61.93	\$12,386.00
Type 1 Anchors	30	EA@	\$483.43	\$14,502.90
Type 2 Anchors	30	EA@	\$1,363.83	\$40,914.90
			SUBTOTAL	\$485,363.80
K. SIGNS, STRIPING, SIGNALS, LIGHTING				
Striping	1	Lump Sum	\$315,000.00	\$315,000.00
Road Signs	1	Lump Sum	\$335,000.00	\$335,000.00
			SUBTOTAL	\$650,000.00
L. GRASSING/LANDSCAPING	N/A	Lump Sum	\$15,000.00	\$0.00
			SUBTOTAL	\$0.00
M. MISCELLANEOUS				
Field Engineer Office (Type 3)	1	EA@	\$48,309.78	\$48,309.78
Fencing	64000	LF@	\$12.00	\$768,000.00
Right-of-Way Markers	311	EA@	\$79.58	\$24,749.38
Rumble Strips	3	EA@	\$416.77	\$1,250.31
PVMT Reinf Strips, TYP 2	300	LF@	\$2.53	\$759.00
			SUBTOTAL	\$843,068.47
N. MAJOR STRUCTURES				
Bridges:				
Bridge @ State Route 20	1	Lump Sum	\$1,747,000.00	\$1,747,000.00
Bridge @ Norfolk Southern Railroad	1	Lump Sum	\$1,614,600.00	\$1,614,600.00
Bridge @ Beech Creek Tributary	1	Lump Sum	\$1,002,960.00	\$1,002,960.00
Bridge @ Beech Creek	1	Lump Sum	\$947,000.00	\$947,000.00
Bridge @ Coosa River	1	Lump Sum	\$1,474,200.00	\$1,474,200.00
Overpass	1	Lump Sum	\$650,000.00	\$650,000.00
Retaining Walls	4200	SF@	\$50.00	\$210,000.00
<u>Box Culverts</u>				
Concrete	1492	CY@	\$410.56	\$612,555.52
Bar Reinf. Steel	154910	LB@	\$0.60	\$92,946.00
			SUBTOTAL	\$8,351,261.52

ESTIMATE SUMMARY

A. Right of Way	\$9,700,000.00
B. Reimbursable Utilities	\$1,100,000.00

CONSTRUCTION COST SUMMARY

C. Clearing And Grubbing	\$1,203,000.00
D. Earthwork	\$5,394,000.00
E. Base and Paving	\$7,224,000.00
F. Drainage	\$973,000.00
G. Concrete Work	\$1,279,000.00
H. Traffic Control	\$685,000.00
I. Erosion Control	\$1,285,000.00
J. Guardrail	\$486,000.00
K. Signs, Striping, Signals, Lighting	\$650,000.00
L. Grassing/Landscaping	\$0.00
M. Miscellaneous	\$844,000.00

ROADWAY SUBTOTAL \$20,023,000.00

N. Major Structures	\$8,352,000.00
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CONSTRUCTION TOTAL \$28,375,000.00

3 years of inflation at 5%	\$4,256,250.00
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10% E & C	\$3,263,125.00
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CONSTRUCTION ESTIMATE SUBTOTAL \$35,894,375.00

TOTAL CONSTRUCTION ESTIMATE \$35,895,000.00

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT: HPP-NH-012-1(85)LP, FLOYD COUNTY P. I. NO. 621660

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 projects.

Date of Location and Design Approval: AUGUST 3, 2005

This project is located 100% within Floyd County and 100% within Congressional District 11.

Project HPP-NH-012-1(85)LP, West Rome By-Pass in Floyd County, begins 0.34 miles south of the Coosa River on Black's Bluff Road Extension in Floyd County. Black's Bluff Road Extension is currently a two lane road with graded shoulder. The project will improve the existing road to a four 12' lanes with a 44' depressed median. The outside shoulders will be 10' graded, 6.5' of which will be paved. Approximately 0.15 miles north of the Coosa River, just south of the intersection of Black's Bluff Road Extension and Horseleg Creek Road, the project departs from the existing road the becomes new location. The typical section of the new location section of the project is the same as for the widening.

The project continues roughly north and west, crossing Burnett Ferry Road between its intersections with Mays Bridge Road and Horseleg Creek Road, and then crosses Beech Creek. The proposed road turns to the west as it crosses a tributary of Beech Creek. The project then turns back to the north as it crosses Turner Bend Road just to the west of its intersection with Oreburg Road. The proposed road crosses over the Norfolk Southern Railroad and then intersects with State Route 20. The total length of the project is 5.48 miles.

The project includes six bridges locations, 1 new bridge over the Coosa River, parallel to an existing bridge, a new pair of bridges over a tributary to Mountain End Lake, a new pair of bridges over Beech Creek, a new pair of bridges over a Beech Creek tributary, a new pair of bridges over the Norfolk Southern Railroad and a new bridge over State Route 20.

Drawings of the proposed project are on file and are available for public inspection at the Georgia Department of Transportation:

Glenn Brown, Area Engineer
Georgia Department of Transportation
533 East 20th Street
Rome, Ga. 30161
Telephone (706) 295-6025

Any interested party may obtain a copy of the drawings or maps or portions thereof by paying a nominal fee and requesting in writing to:

Mohammed (Babs) Abubakari, P.E.,
State Consultant Design/Program Delivery Engineer
Georgia Department of Transportation
No. 2 Capitol Square, Room 433
Atlanta, Georgia 30334
Telephone (404) 463-6133

Any written request or communication in reference to this project SHOULD include the Project and P.I. Numbers as noted at the top of this notice.