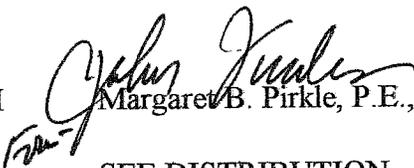


D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** NH-IM-475-1(247) Bibb County **OFFICE** Preconstruction  
P. I. No. 311950 **DATE** February 24, 2003

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

**TO** SEE DISTRIBUTION —

**SUBJECT** NOTICE OF LOCATION AND DESIGN APPROVAL

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.

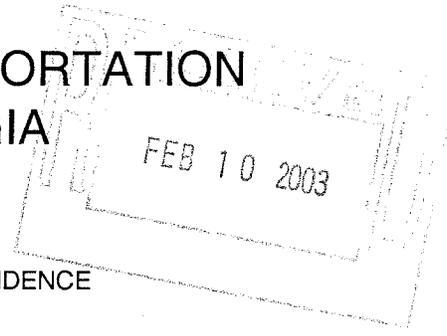
MBP/cj

Attachment

**DISTRIBUTION:**

David Mulling  
Harvey Keepler  
Percy Middlebrooks  
Paul Liles  
Phillip Allen  
Jerry Hobbs  
Marta Rosen  
Ben Buchan  
Gerald Ross  
Thomas Howell  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE NH-IM-475-1(247), Bibb County  
Zebulon Road @ I-475 and  
Lamar Road Relocation  
P.I. Number 311950

OFFICE Consultant Design

DATE February 6, 2003

FROM *James B. Buchan MSA*  
James B. Buchan, P.E., State Consultant Design Engineer

TO Meg Pirkle, P.E, Assistant Director of Preconstruction

SUBJECT **Request for Location and Design Approval**

**Description and Project Proposal:** The proposed project is located in western Bibb County at the intersection of I-475 and Zebulon Road. The existing Zebulon Road (CR 726) is a rural two-lane facility. The proposed improvement will widen the existing two-lane facility to four through lanes with a 20-foot raised median and a 12-foot urban shoulder with 5-foot sidewalks. The median width will vary at the I-475 interchange to accommodate dual left turn lanes onto southbound I-475. The existing bridge will be retained and widened. The project begins on the west side of I-475 at the entrance of the Lake Wildwood Subdivision (Lake Wildwood Drive) and extends eastward approximately 0.85 miles to Kroger Road. Due to Lamar Road's proximity to the northbound I-475 entrance ramp, the proposed project will relocate Lamar Road from its present intersection with Zebulon Road eastward to intersect with Peake Road.

**Concept Approval Date:** May 28, 1997 - original concept approved.  
June 2, 1998 - revised to include interchange lighting  
in project scope.  
May 22, 2002 - revised to include re-alignment of Lamar Road  
in project scope.

**Concept Update:** The original approved concept and subsequent revised concepts stated that the existing Zebulon Road steel beam bridge over I-475 would be retained and widened. During the plan review process, the Offices of Bridge Design and Engineering Services voiced concerns regarding the feasibility of widening the existing bridge versus replacement with a new bridge using pre-stressed concrete beams. A comparative cost analysis of the two options was presented to the Preconstruction Division Director who instructed that the bridge be replaced.

It is noted that approval of this Location and Design Report shall also be deemed as approval of the revised concept.

**Environmental Assessment and Reassessment Approval Date:** Categorical Exclusion approved on April 5, 2001. A re-evaluation is currently underway.

**Public Involvement:** A public information meeting for this project was held on July 18, 2002 at Sonny Carter Elementary School in Macon, Georgia. A total of 65 citizens attended the meeting from which 24 comment cards and 6 verbal statements (one of which also filled out a comment form) were received. One additional comment was received during the ten day comment period following the hearing, for a total of 29 comments. Of the 29 comments, 21 supported, 4 were opposed and 4 conditionally supported the project. Public officials at the public information meeting included Tommy Olmstead (Chairman – Bibb County Commission), Bob Fountain (Bibb County Engineer), and Ken Sheets (Assistant Bibb County Engineer).

The major concerns were as follows:

- The timetable of implementation – people want the project to start today.
- The need for signals at the intersection of I-475 Ramps and Zebulon Road.
- Access to Lake Wildwood Subdivision.
- Peake Road being inadequate to handle more traffic.
- U-turn needed for eastbound traffic on west side of I-475 bridge.
- Lamar Road being relocated for commercial development.
- Raised Median decreasing access to properties.

**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

**Recommendations:** We recommend that this project location and design report be approved, and that the attached "Notice" be approved for advertising.

**RECOMMEND:** Thomas L. Turner  
Thomas L. Turner, P.E.  
Director of Preconstruction

**APPROVE:** Frank L. Danchetz  
Frank L. Danchetz, P.E.  
Chief Engineer

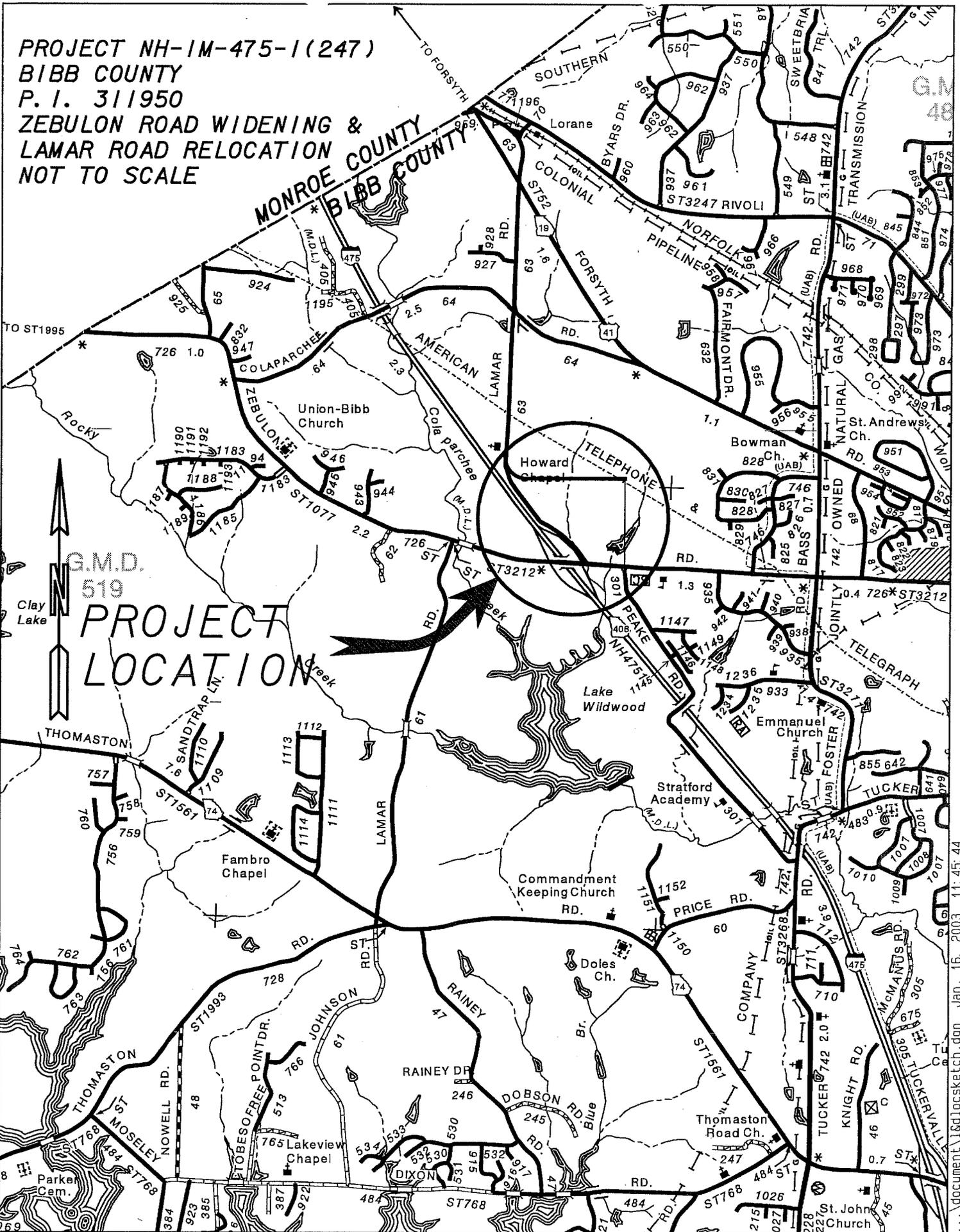
2-20-03  
Date of Approval

JBB:JDW

Attachments: Location Sketch  
Cost Estimate  
Notice of Location and Design Approval

PROJECT NH-1M-475-1(247)  
BIBB COUNTY  
P. I. 311950  
ZEBULON ROAD WIDENING &  
LAMAR ROAD RELOCATION  
NOT TO SCALE

MONROE COUNTY  
BIBB COUNTY



G.M.D.  
519  
PROJECT  
LOCATION

**PRELIMINARY COST ESTIMATE**  
**OFFICE OF CONSULTANT DESIGN**

DATE: 02/06/03  
 REVISED:  
 PROJECT NO: NH-IM-475-1(247)

PREPARED BY: AEI/JDW  
 FILE NAME: Composite 2-6-03

P.I. NO: 311950

MILEAGE: 1.55

PROJECT DESCRIPTION: Widening and reconstruction of Zebulon Road from Lake Wildwood Drive to Peake Road including replacement of bridge over I-475. Also, relocation of Lamar Road from its present intersection with Zebulon Road eastward to intersect with Peake Road.

EXISTING ROADWAY: 2 lane rural section

TRAFFIC: CURRENT ADT 31,000 PROJECTED ADT 40,500

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

@ PFPR Plan -Stage

**PROJECT COSTS**

<b>A. RIGHT OF WAY</b>	<b>lump sum</b>		<b>\$2,262,400.00</b>
		<b>SUBTOTAL</b>	<b>\$2,262,400.00</b>

<b>B. UTILITIES (Reimbursable)</b>	<b>lump sum</b>		<b>LGPA</b>
		<b>SUBTOTAL</b>	<b>LGPA</b>

<b>C. CLEARING AND GRUBBING</b>	<b>lump sum</b>		<b>\$300,000.00</b>
		<b>SUBTOTAL</b>	<b>\$300,000.00</b>

**D. EARTHWORK**

Embankment

In-Place Embankment	17,700 cubic yards @	\$2.50	\$44,250.00
Borrow Incl Haul	33,810 cubic yards @	\$4.00	\$135,240.00

Excavation

Soil	57025 cubic yards @	\$2.60	\$148,265.00
Rock	0 cubic yards @	\$10.00	\$0.00

	<b>SUBTOTAL</b>	<b>\$327,755.00</b>
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**E. BASE AND PAVING**Aggregate Base

Graded Aggregate 10"	24,220 square yards @	\$9.29	\$225,003.80
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Asphalt Paving

12.5mm Superpave	3,480 tons @	\$35.32	\$122,913.60
19mm Superpave	2,705 tons @	\$37.40	\$101,167.00
25mm Superpave	7,690 tons @	\$34.80	\$267,612.00
Leveling	745 tons @	\$40.00	\$29,800.00
Tack Coat	7,500 gallons @	\$0.89	\$6,675.00
Mill Asph. Conc. Pave 1.5in depth	20,300 square yards @	\$1.08	\$21,924.00
Portland Cement Conc. HES, 10in.	5,450 square yards @	\$60.00	\$327,000.00

<b>SUBTOTAL</b>			<b>\$1,102,095.40</b>
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**F. DRAINAGE**Cross Drain System

18" Conc. Pipe	60 linear feet @	\$30.00	\$1,800.00
30" Conc. Pipe	55 linear feet @	\$36.00	\$1,980.00
42" Conc. Pipe	25 linear feet @	\$65.00	\$1,625.00
30" F.E.S.	2 each @	\$530.00	\$1,060.00
42" F.E.S.	1 each @	\$850.00	\$850.00

Longitudinal System

18" Conc. Pipe	1690 linear feet @	\$30.00	\$50,700.00
24" Conc. Pipe	985 linear feet @	\$35.00	\$34,475.00

Drainage Structures

Catch Basins	22 each @	\$1,700.00	\$37,400.00
Drop Inlets	6 each @	\$1,500.00	\$9,000.00

<b>SUBTOTAL</b>			<b>\$138,890.00</b>
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**G. CONCRETE WORK**

Approach Slabs	670 square yards @	\$110.00	\$73,700.00
Sidewalk	2,545 square yards @	\$22.50	\$57,262.50
Curb and Gutter (Type2)	4,410 linear feet @	\$10.25	\$45,202.50
Valley Gutter	160 square yards @	\$31.00	\$4,960.00
Median Paving	6050 square yards @	\$38.50	\$232,925.00

<b>SUBTOTAL</b>			<b>\$414,050.00</b>
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**H. TRAFFIC CONTROL**

lump sum			\$125,000.00
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<b>SUBTOTAL</b>			<b>\$125,000.00</b>
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## I. EROSION CONTROL

Silt Fence Type A	9300 linear ft @	\$2.00	\$18,600.00
Silt Fence Type A Maintenance	9300 linear ft @	\$1.15	\$10,695.00
Stone Bag Inlet Protection	28 each @	\$200.00	\$5,600.00
Bag Inlet Protection Maintenance	28 each @	\$100.00	\$2,800.00
Checkdam	50 each @	\$200.00	\$10,000.00
Checkdam Maintenance	50 each @	\$100.00	\$5,000.00
Bit. Treated Roving	8000 square yds @	\$2.30	\$18,400.00
Sediment Trap	22 each @	\$200.00	\$4,400.00
Sediment Trap Maint.	22 each @	\$100.00	\$2,200.00
Sediment Basin	8 each @	\$600.00	\$4,800.00
Sediment Basin Maint.	8 each @	\$400.00	\$3,200.00
		<b>SUBTOTAL</b>	<b>\$85,695.00</b>

## J. GUARDRAIL

Type 12 anchor	9 each	\$1,290.00	\$11,610.00
Type W Guardrail	1800 linear feet	\$10.00	\$18,000.00
T-beam Guardrail	80 linear feet	\$52.00	\$4,160.00
		<b>SUBTOTAL</b>	<b>\$33,770.00</b>

## K. SIGNS, STRIPING, SIGNALS, LIGHTING

### Striping

Arrow, Tp2	45 each @	\$64.00	\$2,880.00
Word, Tp1	7 each @	\$87.00	\$609.00
Thermo. White Area	440 square yds @	\$2.20	\$968.00
Thermo. Yellow Area	1100 square yds @	\$2.20	\$2,420.00
White Stripe	33000 linear ft @	\$0.25	\$8,250.00
Yellow Stripe	16400 linear ft @	\$0.25	\$4,100.00

### Signing

Signs	1080 square ft @	\$22.00	\$23,760.00
Sign Posts	810 linear ft @	\$5.00	\$4,050.00

### Intersection

Lighting	lump sum		\$175,000.00
Signalized Intersection	2 each @	\$90,000.00	\$180,000.00
Non -signalized Intersection	1 each @	\$15,000.00	\$15,000.00
		<b>SUBTOTAL</b>	<b>\$417,037.00</b>

## L. GRASSING/LANDSCAPING

Mulch	290 ton @	\$330.00	\$95,700.00
Grassing	16 acre @	\$476.00	\$7,616.00
Liquid lime	42 gallons @	\$25.00	\$1,050.00
Fertilizer mixed grade	3 ton @	\$242.00	\$726.00
Agricultural lime	48 ton @	\$49.00	\$2,352.00
Nitrogen	850 lbs @	\$1.30	\$1,105.00
		<b>SUBTOTAL</b>	<b>\$108,549.00</b>

<b>M. MISCELLANEOUS</b>	<b>lump sum</b>		<b>\$0.00</b>
		<b>SUBTOTAL</b>	<b>\$0.00</b>

**N. MAJOR STRUCTURES**

Bridge

Conc. Slope Paving, 4 in.	996 square yards @	\$33.00	\$32,868.00
Grooved Concrete	3718 square yards @	\$3.50	\$13,013.00
Superstructure Concrete, CI AA	1667 cubic yards @	\$600.00	\$1,000,200.00
Class A Concrete	731 cubic yards @	\$380.00	\$277,780.00
PSC Beams, AASHTO Type III	2160 lin ft @	\$106.00	\$228,960.00
PSC Beams, AASHTO, Bulb Tee, 54 l	2940 lin ft @	\$103.00	\$302,820.00
Bar Reinf Steel	109598 lbs @	\$0.55	\$60,278.90
Superstr Reinf Steel	333435 lbs @	\$0.55	\$183,389.25
Remove Existing Bridge	1 lump @	\$128,100.00	\$128,100.00
Piling in Place, Steel H, HP 14x73	4350 lin ft @	\$38.00	\$165,300.00
Chain Link Fence, Zn Coat, 6 ft., 24 g:	680 lin ft @	\$12.00	\$8,160.00

Box Culverts

Concrete	140 cubic yards @	\$380.00	\$53,200.00
Bar Reinf. Steel	16100 pounds @	\$0.55	\$8,855.00
		<b>SUBTOTAL</b>	<b>\$2,462,924.15</b>

**ESTIMATE SUMMARY**

A. Right of Way	\$2,262,400.00
B. Reimbursable Utilities	LGPA

**CONSTRUCTION COST SUMMARY**

C. Clearing and Grubbing	\$300,000.00
D. Earthwork	\$327,755.00
E. Base and Paving	\$1,102,095.40
F. Drainage	\$138,890.00
G. Concrete Work	\$414,050.00
H. Traffic Control	\$125,000.00
I. Erosion Control	\$85,695.00
J. Guardrail	\$33,770.00
K. Signs, Striping, Signals, Lighting	\$417,037.00
L. Grassing/Landscaping	\$108,549.00
M. Miscellaneous	\$0.00

**SUBTOTAL CONSTRUCTION \$3,052,841.40**

N. Major Structures	\$2,462,924.15
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**SUBTOTAL \$5,515,765.55**

1 Year of Inflation at 4 %	\$220,630.62
10 % E & C	\$573,639.62

**TOTAL CONSTRUCTION ESTIMATE \$6,310,035.79**

**GRAND TOTAL PROJECT COST ESTIMATE \$8,572,435.79**

# NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT NH-IM-475-1(247)

BIBB COUNTY

P. I. NUMBER 311950

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 is FEBRUARY 20, 2003.

Project number NH-IM-475-1(247) will consist of roadway widening and construction of a raised median on Zebulon Road from the Lake Wildwood Subdivision to I-475 Northbound ramps. A raised median will also be constructed along Zebulon Road between the I-475 Northbound ramps and Kroger Road. Lamar Road will be relocated from the current intersection with Zebulon Road to intersect with Peake Road.

This project lies entirely within Land District 13, Land Lots 200, 201, 208, 209, 234, 235 and GMD 483 in Bibb County.

The Zebulon Road widening typical section consists of four 12-foot lanes divided by a minimum 20-foot raised concrete median. This section will include a 12-foot urban shoulder with a 5-foot sidewalk. The project extends approximately 0.85 miles. The Southbound entrance and exit ramps will be widened to accommodate 2 lanes. The Lamar Road relocation will consist of a rural typical section with two 12-foot lanes. The approximate length is 0.70 miles.

Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Brink Stokes, Area Engineer  
[Brink.Stokes@dot.state.ga.us](mailto:Brink.Stokes@dot.state.ga.us)  
Georgia Department of Transportation  
4499 Riverside Drive  
Macon, Georgia 31210  
(478)757-2601

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

Ben Buchan, State Consultant Design Engineer  
[ben.buchan@dot.state.ga.us](mailto:ben.buchan@dot.state.ga.us)  
Georgia Department of Transportation  
No. 2 Capitol Square, S.W.  
Atlanta, Georgia 30334  
(770)463-6133

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



**Department of Transportation  
State of Georgia  
Thomaston District Office**

March 21, 2003

**Location and Design Approval  
Project: NH-IM-475-1(247) Bibb County  
P. I. No. 311950**

Macon Telegraph & News  
P. O. Box 4167  
Macon, GA 31213

**ATTENTION: LEGAL ADS**

Dear Sir:

This is to request that you publish the attached legal advertisement in the paper on the following dates:

**FIRST PUBLICATION: March 28, 2003  
SECOND PUBLICATION: April 4, 2003  
THIRD PUBLICATION: April 11, 2003  
FOURTH PUBLICATION: April 18, 2003**

Please forward your bill along with **two copies** of the advertisement **or a notarized affidavit** to the Department of Transportation, 715 Andrews Drive, Thomaston, Georgia 30286-4524, and **ATTENTION: Donna Watson.**

Sincerely,

Thomas B. Howell, P.E.  
District Engineer

*David B. Millen*

By: David B. Millen  
District Preconstruction Engineer

DBM:PD  
Attachment

Xc: Robert M. Callan; Tom Turner; Wayne Hutto; Ben Buchan; Harvey Keepler; Herman Griffin; David Mulling; Audrey Gooch; Keith Rohling; Ray Crutchfield; Ronny Stubbs; Dorothy Daniel; Thomas Howell; Donna Watson; Brink Stokes

715 Andrews Drive, Thomaston, Ga, 30286-4524, Fax 706-646-6584

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No. 2 Capitol Square, S.W.  
Atlanta, Georgia 30334  
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