

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** IM-NH-75-1(192) Ct. 2, Bibb County **OFFICE** Preconstruction  
P. I. No. 311465 **DATE** February 7, 2001  
*CWHutto*  
**FROM** C. Wayne Hutto, 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.

CWH/cj

Attachment

DISTRIBUTION:

Tom Turner  
David Mulling  
Harvey Keepler  
Herman Griffin  
Paul Liles  
Marion Waters  
Jerry Hobbs  
Marta Rosen  
Jimmy Chambers  
Joe Palladi  
Glenn Durrence

11/20/00

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

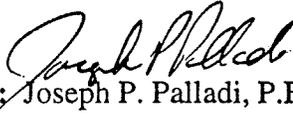
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**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** IM-NH-75-1(192) Ct. 2, Bibb County  
I-75/I-475 Interchange at Hartley Bridge Road  
P.I. No. 311465

**OFFICE:** Atlanta, Georgia

**DATE:** December 11, 2000

  
**FROM:** Joseph P. Palladi, P.E., State Urban Design Engineer

**TO:** Wayne Hutto, Assistant Director of Preconstruction

**SUBJECT:** Location and Design Report

**Description and Project Proposal:**

The proposed project is the reconstruction of the I-75 and I-475 interchange at Hartley Bridge Road. The proposed project along I-75 will eliminate a substandard existing weaving section through a system of collector distributor roads. The project begins south of the Sardis Church Road overpass at mile log 0.45, and extends north of the I-75 and I-475 diverge at mile log 5.17.

Six lanes are proposed at the I-75/I-475 southbound merge. The taper to begin dropping the additional three lanes will begin south of the Hartley Bridge Road interchange and end south of the proposed Sardis Church Road interchange. The project will then tie into the existing three lanes on I-75.

I-75 northbound, within the project limits, is proposed to increase the existing section from three lanes to five lanes. The five lanes at Hartley Bridge Road will diverge into the existing three lanes to I-475 northbound and the existing three lanes to I-75 northbound.

The length of the proposed project is 4.72 miles. It is located in southern Bibb County and south of the City of Macon. I-75 is the main highway connecting South Georgia and Macon with the Atlanta area. I-475 is a bypass route around Macon to Florida. It also serves the west side of suburban Macon.

**Concept Approval Date:** April 29, 1998

**Concept Update:** February 25, 2000-Revised the concept to add an additional lane to I-75 southbound, extending the project beyond its original terminus at Hartley Bridge Road to a point 2.7 miles south. The extension resulted in additional lanes and drainage for the project.

**Environmental Assessment and Reassessment Approval Date:** Finding of No Significant Impact (FONSI) approved November 4, 1999

**Public Involvement:** A public hearing for the project was held on August 31, 1999 at the Porter Ellis Community Center in Macon, Georgia. There were 139 citizens in attendance and a total of 51 comments were received. The responses were thirty three (33) favorable, fourteen (14) conditional, and four (4) opposed. The public hearing comments results is a combination of project Im-NH-75-1(192) Contracts 1 and 2.

**RECOMMENDATIONS:** This office recommends that the location and design for this project be approved and that the attached Notice be approved for advertising.

RECOMMEND: Thomas L. Turner 2/2/01  
Thomas L. Turner, P.E., Director of Preconstruction Date

APPROVED: Frank L. Danchetz 2/6/01  
Frank L. Danchetz, P.E., Chief Engineer Date of Approval

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



DATE: 9/1/2000 R/W revised 12/20/2000  
 PROJECT NO. IM-NH-75-1(192) CONTRACT 2  
 P.I.NO.: 311465  
 PREPARED BY: HNTB

**I-75/I-475 INTERCHANGE**  
**AT HARTLEY BRIDGE ROAD**  
**CONSTRUCTION ESTIMATES - Contract 2**

**RIGHT-OF-WAY TOTAL CONTRACT 1 AND CONTRACT 2** **\$2,000,000**

**REIMBURSABLE UTILITIES** **\$302,100**

**PROJECT COSTS**

A. CLEARING & GRUBBING	62 Acres	\$	1,183 /AC	\$73,317
<b>SUBTOTAL</b>				<b>\$73,317</b>

**B. EARTHWORK**

BORROW FROM EXCAVATION	318360 CY @	\$	3.13 /CY	\$996,467
UNCLASSIFIED EXCAVATION	744730 CY @	\$	3.53 /CY	\$2,628,897
<b>SUBTOTAL</b>				<b>\$3,625,364</b>

**C. BASE & PAVING**

GRADED AGR BASE (12")	162681 SY @	\$	12.25 /SY	\$1,992,842
GRADED AGR BASE (10")	- SY @	\$	8.98 /SY	\$0
12.5 mm OGFC, 90#/SY	269514.5 SY @	\$	53.70 /SY	\$14,472,929
12.5 mm SPAVE, 165#/SY	22234.9 TN @	\$	38.63 /TN	\$858,934
19 mm SPAVE, 220#/SY	28040.7 TN @	\$	40.96 /TN	\$1,148,547
25 mm SPAVE, 1100#/SY	148233 TN @	\$	38.00 /TN	\$5,632,854
25 mm SPAVE, 440#/SY	- TN @	\$	38.00 /TN	\$0
STAB AGR BASE (3")	14125 TN @	\$	10.08 /TN	\$142,380
ASPH RESURFACING (10.5")	106850 TN @	\$	41.00 /TN	\$4,380,850
<b>SUBTOTAL</b>				<b>\$28,629,336</b>

**D. DRAINAGE**

SURFACE DRAINAGE	\$354,100
CULVERT EXTENSIONS	\$223,275
<b>SUBTOTAL</b>	<b>\$577,375</b>

E. CONCRETE WORK

APPROACH SLABS			\$64,200
VALLEY GUTTER			\$15,430
		<b>SUBTOTAL</b>	<b>\$79,630</b>

F. TRAFFIC CONTROL

**LUMP SUM**      **\$1,377,000**

G. EROSION CONTROL

**LUMP SUM**      **\$550,800**

H. BARRIERS

W-BEAM GUARDRAIL	29880 LF @	\$ 11.88 /LF	\$354,974
CONC MED BARRIER	2500 LF @	\$ 34.15 /LF	\$85,375
CONC SIDE BARRIER	1500 LF @	\$ 143.50 /LF	\$215,250
IMPACT ATTENUATOR	2 EA @	\$ 27,000 /EA	\$54,000
		<b>SUBTOTAL</b>	<b>\$709,599</b>

I. SIGNING, STRIPING, SIGNALS & LIGHTING

SIGNING & OVHD SIGN STRUC			\$1,274,600
PAVEMENT MARKING	146300 LF @	\$ 0.60 /LF	\$87,780
TRAFFIC SIGNALS	0 EA @	\$ 50,000 /EA	\$0
LIGHTING LUMP SUM			\$130,000
		<b>SUBTOTAL</b>	<b>\$1,492,380</b>

J. GRASSING/LANDSCAPING

GRASSING      **LUMP SUM**      **\$20,000**

K. MISCELLANEOUS

FIELD ENG OFFICE	1 EA @	\$ 64,500 /EA	\$64,500
R/W MARKERS	60 EA @	\$ 74.90 /EA	\$4,494
		<b>SUBTOTAL</b>	<b>\$68,994</b>

L. MAJOR STRUCTURES

BRIDGES

Ramp 7 over NB I-75 (4)	\$256,637
Ramp 7 over SB I-75 and SB C/D (5)	\$367,013
NB I-475 over SB I-75 & SB C/D (2)	\$1,090,509
SB I-475 over SB C/D (3)	\$1,178,347
RETAINING WALLS (at bridges and misc. locations)	\$1,240,000

**SUBTOTAL** \$4,132,506

**SUBTOTAL CONSTRUCTION COSTS** \$41,336,302

INFLATION (2 years @ approx. 5%) \$ 4,236,971

ENGINEERING & CONSTRUCTION INSPECTION (10% of Inflated Const. Cost) \$4,557,327

**SUBTOTAL CONSTRUCTION COSTS, INFLATION AND E&C** \$50,130,600

**TOTAL PROJECT COST** \$50,130,600

**NOTICE OF LOCATION AND DESIGN APPROVAL**

**PROJECT IM-NH-75-1(192) CT. 2, BIBB COUNTY, GEORGIA**

**P. I. NUMBER 311465**

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 this project.

Date of Location and Design Approval: 6-FEB-2001

The proposed project is the reconstruction of the I-75 and I-475 interchange at Hartley Bridge Road. It begins south of the Sardis Church Road overpass and extends north of the I-75 and I-475 diverge. The length of the proposed project is 4.72 miles. It is located in southern Bibb County and south of the City of Macon. I-75 is the main highway connecting South Georgia and Macon with the Atlanta area. I-475 is a bypass route around Macon to Florida. It also serves the suburbs of west Macon. The proposed project along I-75 will eliminate a substandard existing weaving section through a system of collector distributor roads.

Six lanes are proposed at the I-75/I-475 southbound merge. The taper to begin dropping the additional three lanes will begin south of the Hartley Bridge Road interchange and end south of the proposed Sardis Church Road interchange. The project will then tie into the existing three lanes on I-75.

I-75 northbound, within the project limits, is proposed to increase the existing section from three lanes to five lanes. The five lanes at Hartley Bridge Road will diverge into the existing three lanes to I-475 northbound and the existing three lanes to I-75 northbound.

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

**The Georgia Department of Transportation  
Urban Design Office, Room 356  
No. 2 Capital Square, SW  
Atlanta, Georgia 30334**

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

**Joseph P. Palladi, P.E.  
State Urban Design Engineer  
Georgia Department of Transportation  
No. 2 Capital Square, SW  
Atlanta, Georgia 30334  
Phone: (404) 656-5436**

Any written request to this notice should include the Project and P. I. Numbers as noted at the top of this notice.