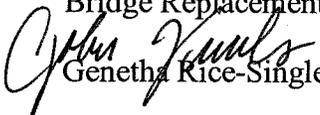


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0002229, Crisp County **OFFICE** Preconstruction
BR-0002-00(229)
CR 71/Amboy Road over Lime Creek **DATE** July 27, 2007
Bridge Replacement

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Joe Sheffield
Brent Thomas
BOARD MEMBER

5 July, 2007

Project Concept Report Page: 1
Project Number: BR-0002-00(229)
P. I. Number: 0002229
County: Crisp

State of Georgia
Department of Transportation

Revised Project Concept Report

NEED AND PURPOSE:

The bridge over Lime Creek will be replaced under project BR-00002-00(229). This bridge is located approximately 2 miles east of Arabi. The current sufficiency rating is 25.82 and the substructure condition code is 3.

County road 71 in the area of the bridge is a 2-lane roadway with 10-foot travel lanes, 5-foot shoulders and a speed limit of 55 mph. The current traffic volume is 600 AADT. The AADT is expected to reach 650 by 2007 with projected traffic for the year 2027 to reach 800. Truck traffic is estimated at 2%. The traffic volume for this route includes school bus traffic.

This project is not affected by any other projects or plans. Currently, there are no other projects in this area. This project is also not a part of the Statewide Bicycle and Pedestrian Plan.

This project is located in Census Block 9805. According to the 1990 Census, Block 9805 consists of 17.9% minority with 20.3% of the total residents living below the poverty level. In comparison, the overall average minority population in Crisp County is at 43.4%. Twenty nine percent of all residents in Crisp County are classified as living below the poverty level. Land use in this Census block is primarily agricultural.

In accordance with DOT MOG 2405-1, the existing bridge meets the criteria for replacement. This MOG requires the replacement of bridges with a sufficiency rating below 50 and a substructure condition of 4 or less.

Description of the approved concept:

This project will replace the structurally deficient bridge on CR 71/Amboy Road over Lime Creek with a new reinforced concrete bridge culvert. This project is located in Crisp County, 2 miles east of Arabi, GA., in the 13th Land District, Land Lot No. 138, and Ga. Militia District 732. The proposed project will be approximately 0.27 miles in length.

PDP Classification: Major , Minor

Federal Oversight: Full Oversight , Exempt , State Funded , or Others

Functional Classification: Rural Local

U. S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (AADT):

Base Year: (2007) 650

Design Year: (2027) 800

5 July, 2007

State of Georgia Department of Transportation

Project Concept Report Page: 2

Project Number: BRZLB- F003-00 (007)

P. I. Number: 470810

County: Atkinson

Proposed features to be revised:

The original approved concept described the project as the replacement of the structurally deficient bridge on CR 71/Amboy Road over Lime Creek with a new reinforced concrete bridge culvert.

Based on the Hydrologic and Hydraulic Studies, it was determined that the existing bridge is to be replaced with a 125 ft long by 30 ft wide Type I MOD PSC beam bridge. The proposed bridge consists of a 40 ft beam span at each end and a 45 ft beam center span. Bents 1, 2, 3 and 4 are to be built at 90 degrees to the roadway centerline. The typical section and alignment will remain the same as shown in the original approved concept.

Programmed/Schedule:

P.E. Authorized 01/22/2002 R/W: Local Construction: Approved 2008 ^{PROPOSED 2009}

VE Study Required Yes () No (X)

Revised cost Estimate:

Construction including, E & C..... \$1,240,019.70

R/WLocal

Utility.....Local

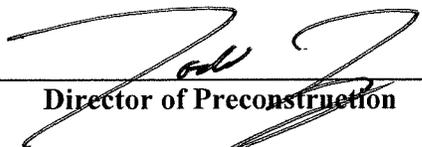
Is the project located in a Non-attainment area? _____ Yes X No

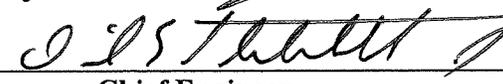
Recommendation: This Office recommends that the proposed revision to the Concept Report be approved for implementation.

Attachments:

Location Map

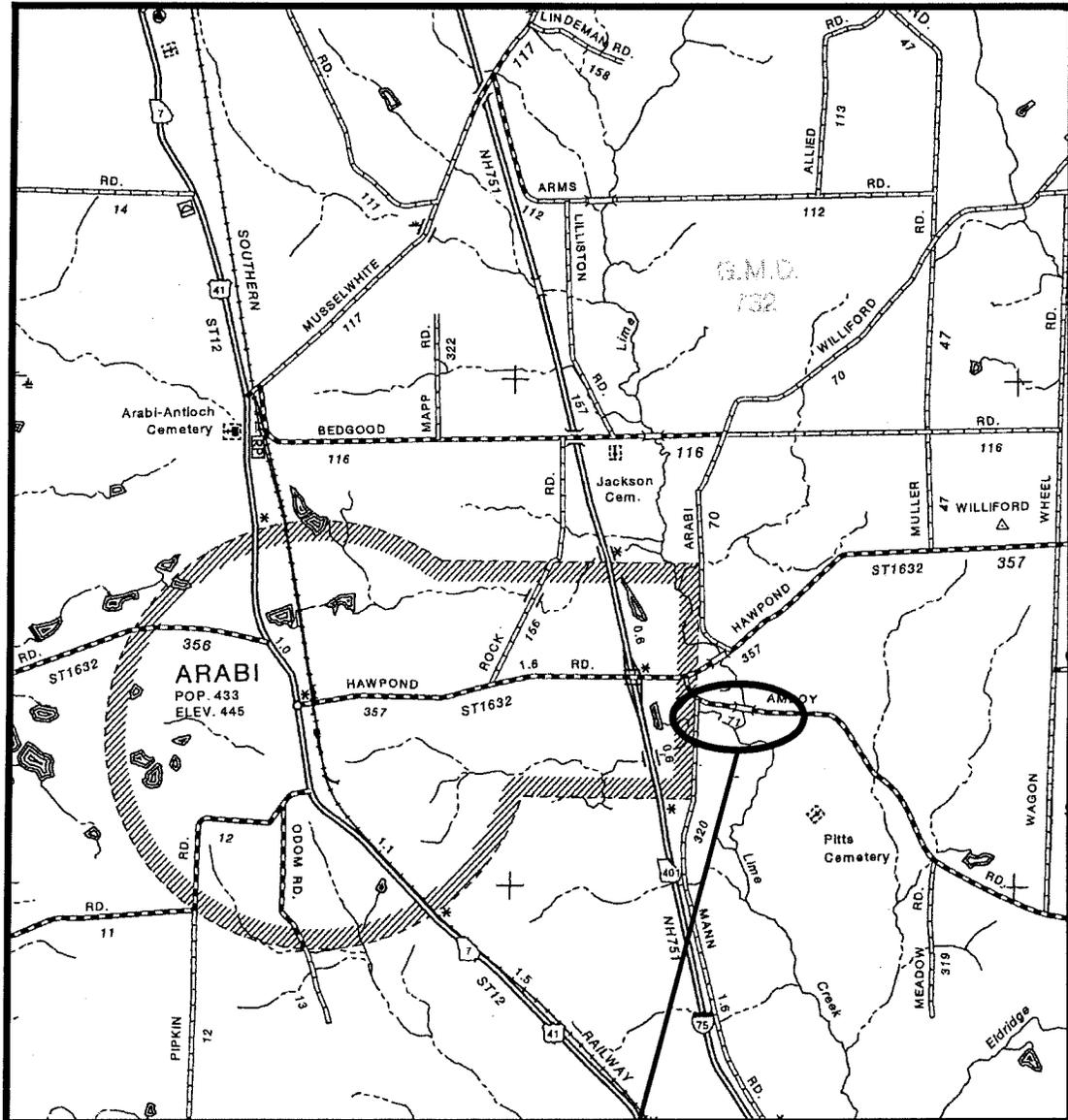
Cost Estimate

Concur: _____

Director of Preconstruction

Approve: _____

Chief Engineer

RSG:sg

LOCATION MAP



Project BR-0002-00(229),
PI 0002229, Crisp County

Estimate Report for file "0002229"

Section Section 01 Roadway

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	20000.00	TRAFFIC CONTROL - BR-0002-00 (229)	20000.00
210-0100	Lump	LS	350000.00	GRADING COMPLETE - BR-0002-00 (229)	350000.00
310-5080	2930	SY	9.00	GR AGGR BASE CRS, 8 INCH, INCL MATL	26370.00
318-3000	90	TN	23.14	AGGR SURF CRS	2082.60
402-3110	285	TN	92.64	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	26402.40
402-3190	356	TN	92.25	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	32841.00
413-1000	278	GL	3.25	BITUM TACK COAT	903.50
433-1200	217	SY	217.96	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	47297.32
441-0301	1	EA	2200.00	CONC SPILLWAY, TP 1	2200.00
500-3101	1	CY	578.66	CLASS A CONCRETE	578.66
576-1018	22	LF	26.13	SLOPE DRAIN PIPE, 18 IN	574.86
634-1200	18	EA	104.82	RIGHT OF WAY MARKERS	1886.76
641-1100	84	LF	75.25	GUARDRAIL, TP T	6321.00
641-1200	1191	LF	28.00	GUARDRAIL, TP W	33348.00
641-5001	2	EA	854.75	GUARDRAIL ANCHORAGE, TP 1	1709.50
641-5012	2	EA	1931.50	GUARDRAIL ANCHORAGE, TP 12	3863.00
Section Sub Total:					\$556,378.60

Section Section 02 Permanent Erosion Control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	2	AC	1600.00	PERMANENT GRASSING	3200.00
700-7000	4	TN	75.00	AGRICULTURAL LIME	300.00
700-7010	5	GL	66.50	LIQUID LIME	332.50
700-8000	2	TN	425.00	FERTILIZER MIXED GRADE	850.00
700-8100	200	LB	3.00	FERTILIZER NITROGEN CONTENT	600.00
Section Sub Total:					\$5,282.50

Section Section 03 Temporary Erosion Control

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	2	AC	1200.00	TEMPORARY GRASSING	2400.00
163-0240	29	TN	400.00	MULCH	11600.00
163-0300	4	EA	3670.86	CONSTRUCTION EXIT	14683.44
163-0520	200	LF	0.25	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	50.00
163-0530	600	LF	6.00	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	3600.00
165-0030	1800	LF	0.25	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	450.00
165-0070	300	LF	0.25	MAINTENANCE OF BALED STRAW EROSION CHECK	75.00
165-0101	4	EA	1147.15	MAINTENANCE OF CONSTRUCTION EXIT	4588.60
167-1000	2	EA	1700.00	WATER QUALITY MONITORING AND SAMPLING	3400.00
167-1500	12	MO	1850.00	WATER QUALITY INSPECTIONS	22200.00
171-0030	3600	LF	7.75	TEMPORARY SILT FENCE, TYPE C	27900.00
Section Sub Total:					\$90,947.04

Section Section 04 Highway Signing And Striping

Item Number	Quantity	Units	Unit Price	Item Description	Cost
652-5451	3200	LF	0.11	SOLID TRAFFIC STRIPE, 5 IN, WHITE	352.00
652-5452	3200	LF	0.22	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	704.00
654-1001	40	EA	5.50	RAISED PVMT MARKERS TP 1	220.00
657-1054	250	LF	5.50	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1375.00
657-6054	250	LF	4.69	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1172.50
Section Sub Total:					\$3,823.50

Section Section 05 Bridge No.1

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	Lump	LS	43200.00	REMOVAL OF EXISTING BR, STA NO - 28+40.00	43200.00
543-9000	Lump	LUMP SUM	375000.00	CONSTRUCTION OF BRIDGE COMPLETE	375000.00
603-2024	900	SY	53.68	STN DUMPED RIP RAP, TP 1, 24 IN	48312.00
603-7000	900	SY	4.83	PLASTIC FILTER FABRIC	4347.00

Section Sub Total: \$470,859.00

Total Estimated Cost: \$1,127,290.64

Subtotal Construction Cost	\$1,127,290.64
E&C Rate 10.0 %	\$112,729.06
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
<hr/>	
Total Construction Cost	\$1,240,019.70
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$1,240,019.70

