

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: *BRST-1308-00(012) Barrow/Walton Counties* OFFICE Program Delivery
P.I. No. 142296-
Bridge Replacement SR 81 over the DATE March 19, 2012
Apalachee River

FROM: *Bobby K. Hilliard, PE, State Program Delivery Engineer*

TO: *Brent A. Story, State Design Policy & Standards Engineer*

SUBJECT **Request for Location and Design Approval**

Description of Project: The proposed project will involve the replacement of the existing bridge on SR 81 over the Apalachee River, from MP 19.40 to MP 19.43 in Walton County and from MP 0.00 to MP 0.03 in Barrow County. The existing bridge is approximately 165 feet in length and measures approximately 29.7 feet in width. The existing structure was constructed in 1955 and currently posts a speed limit of 55 miles per hour (mph). The existing deck is made up of two 12-foot travel lanes with a 2-foot parapet width.

The proposed bridge will remain approximately 165 feet in length and will consist of two 12-foot lanes and 8-foot shoulders. The proposed bridge structure will be in the same location as the existing bridge with the bridge width of 40' to meet design standards. A detour bridge approximately 165 in length with a width of 28 feet will be constructed to the south of the existing bridge. The traffic will be shifted onto the detour bridge and the proposed bridge structure will be constructed in the same location as the existing bridge with the bridge width of 40' to meet design standards. Additional right-of-way will be required for the pavement shift for the detour as well as the tie-ins on the replacement bridge approaches.

Concept Approval Date:
April 18, 2011

Concept Update:
There have been no changes made to the written description of the project after approval of the concept report.

Programmatic Categorical Exclusion, Approval Date:
August 16, 2011

Public Involvement:

- Public Information Open House Results: Not Required

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

Recommendations:

Recommend that the location and design for this project be approved and that the attached Notice be approved for advertising.

i. RECOMMEND: *Bill R. McMillan*
i. Director of Engineering

ii. APPROVE: *Dale M. Pen* *4/10/2012*
i. Chief Engineer Date

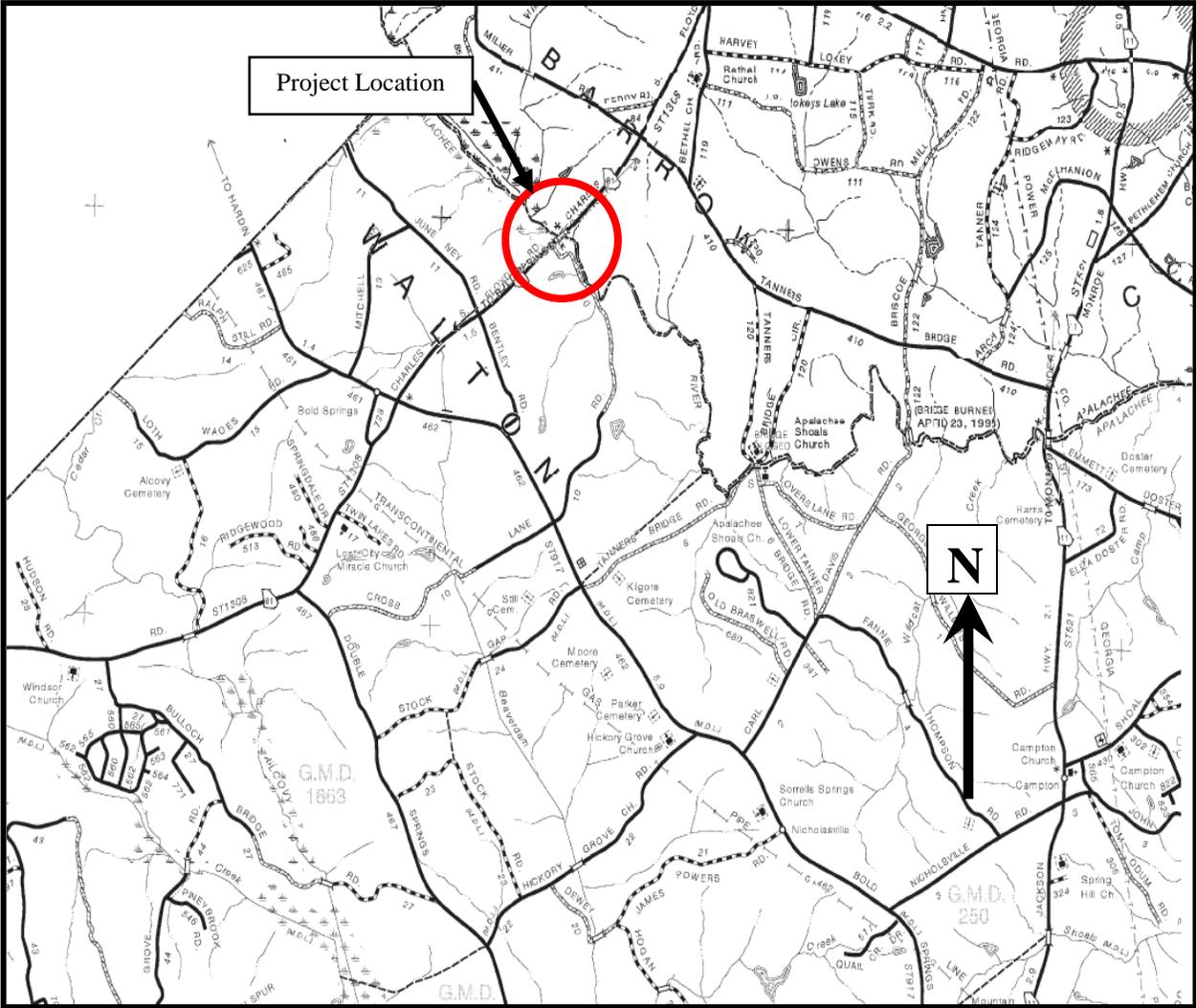
iii. DATE OF LOCATION AND DESIGN APPROVAL: *APRIL 13, 2012*
i. (to be entered by the State Conceptual Design Group Manager)

Attachments

- Sketch Map
- Cost Estimate
- Notice of Location and Design Approval

Project Sketch Map

Project Number: BRST-1308-00(012)
County: Barrow/Walton
PI Number: 142296-
Federal Route No.: N/A
State Route No.: 81



DETAILED COST ESTIMATE



Job: 142296

JOB NUMBER: 142296

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: SR 81 BRIDGE REPLACEMENT OVER THE APALACHEE RIVER

ITEMS FOR JOB 142296

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$300,000.00	TRAFFIC CONTROL - BRST0-1308-00(012)	\$300,000.00
0010	201-1500	1.000	LS	\$200,000.00	CLEARING & GRUBBING - BRST0-1308-00(012)	\$200,000.00
0015	210-0100	1.000	LS	\$400,000.00	GRADING COMPLETE - BRST0-1308-00(012)	\$400,000.00
0020	310-1101	6950.000	TN	\$17.42	GR AGGR BASE CRS, INCL MATL	\$121,061.70
0075	402-1812	100.000	TN	\$79.09	RECYL AC LEVELING,INC BM&HL	\$7,909.11
0025	402-3113	1135.000	TN	\$75.00	RECYL AC 12.5MM SP,GP1/2,BM&HL	\$85,125.00
0030	402-3121	1095.000	TN	\$70.67	RECYL AC 25MM SP,GP1/2,BM&HL	\$77,380.20
0035	402-3190	2190.000	TN	\$75.00	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$164,250.00
0040	413-1000	1530.000	GL	\$3.18	BITUM TACK COAT	\$4,867.74
0045	432-0206	1900.000	SY	\$4.22	MILL ASPH CONC PVMT/ 1.50" DEP	\$8,013.46
0050	433-1000	230.000	SY	\$137.92	REINF CONC APPROACH SLAB	\$31,722.35
0055	641-1100	168.000	LF	\$54.55	GUARDRAIL, TP T	\$9,164.38
0060	641-1200	1412.000	LF	\$16.66	GUARDRAIL, TP W	\$23,520.90
0065	641-5001	4.000	EA	\$611.05	GUARDRAIL ANCHORAGE, TP 1	\$2,444.21
0070	641-5012	4.000	EA	\$1,728.06	GUARDRAIL ANCHORAGE, TP 12	\$6,912.23
SUBTOTAL FOR :						\$1,442,371.28

COST GROUP FOR JOB 142296

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	SF	NORM	7200.000	\$100.00	STRO	STRUCTURES, OTHER (SF)	\$720,000.00
00000002	SF	NORM	5200.000	\$80.00	STRO	STRUCTURES, OTHER (SF)	\$416,000.00
00000003	LS	NORM	1.000	\$150,000.00	MISC	MISCELLANEOUS (LS)	\$150,000.00
00000004	LS	NORM	1.000	\$10,000.00	MISC	MISCELLANEOUS (LS)	\$10,000.00
00000005	LS	NORM	1.000	\$100,000.00	RMVL	REMOVALS (LS)	\$100,000.00
SUBTOTAL:							\$1,396,000.00

TOTALS FOR JOB 142296

ITEMS COST:	\$1,442,371.28
COST GROUP COST:	\$1,396,000.00
ESTIMATED COST:	\$2,838,371.28
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$2,838,371.28

NOTICE OF LOCATION AND DESIGN APPROVAL

PROJECT BRST-1308-00(012) BARROW/WALTON COUNTIES P. I. NUMBER 142296-

Notice is hereby given in compliance with Georgia Code 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is APRIL 13, 2012

The project consists of the replacement of the existing bridge and new roadway approaches on SR 81 over the Apalachee River at the Walton County and Barrow County lines. The total length of project is 0.5 miles, beginning at mile log 19.18 in Walton County and ending at mile log 0.25 in Barrow County. The project is within Land Lots 351 and 363, 5th District, Walton County, Georgia, and GMD 249, Barrow County, Georgia.

The construction will consist of a detour bridge, 165' long and 28' wide (gutter to gutter), constructed 50' southeast of the existing bridge. The existing bridge will be removed and the proposed bridge will be constructed along the original alignment. The existing bridge is approximately 165' long and 29.7' wide and is in need of replacement. The proposed bridge is approximately 165' long and is 40' wide (gutter to gutter). The proposed roadway width is 24' with rural shoulders of 10', 6'-6" of which will be paved.

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:

*Christopher Dills
cdills@dot.ga.gov
145 Hurricane Shoals Rd, NW
Lawrenceville, Georgia 30046
770-339-2308*

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:

*Douglas Fadool
Project Manager
Office of Program Delivery
Dfadool@dot.ga.gov
One Georgia Center
600 W. Peachtree Street NW, 25th Floor
Atlanta, Georgia 30308
404-308-1353*

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.