

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. # 132981-
BRST0-0052-01(015)
Barrow & Walton Counties
GDOT District 1 - Gainesville
SR 11 @ Apalachee River 7.5 miles north
of Monroe – Bridge Replacement

OFFICE Design Policy & Support

DATE 5/27/2015

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Glenn Bowman, Director of Engineering
Joe Carpenter, Director of P3/Program Delivery
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery
Albert Shelby, State Program Delivery Engineer
Darryl VanMeter, State Innovative Delivery Engineer
Bobby Hilliard, Program Control Administrator
Cindy VanDyke, State Transportation Planning Administrator
Hiral Patel, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andrew Heath, State Traffic Engineer
Angela Robinson, Financial Management Administrator
Lisa Myers, State Project Review Engineer
Charles "Chuck" Hasty, State Materials Engineer
Lee Upkins, State Utilities Engineer
Paul Tanner, State Transportation Data Administrator
Attn: Systems & Classification Branch
Richard Cobb, Statewide Location Bureau Chief
Brent Cook, District Engineer
Brandon Kirby, District Preconstruction Engineer
Neil Kantner, District Utilities Engineer
Davida White, Project Manager
BOARD MEMBER - 10th Congressional District

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
REVISED PROJECT CONCEPT REPORT**

Project Type: <u>Bridge Replacement</u>	P.I. Number: <u>132981</u>
GDOT District: <u>1</u>	County: <u>Barrow/Walton</u>
Federal Route Number: <u>N/A</u>	State Route Number: <u>11</u>
Project Number: <u>BRST0-052-01(015)</u>	

The proposed change to the original concept report is to shift the alignment to the east side of the existing bridge by approximately 25 feet instead of 40 feet to the west. This alignment would retain the same typical section as the approved concept but would improve the sight distance for Emmett Doster Road, avoid impacts to the ESA at historic S.R. 11, and minimize impacts to permanent structures on the west side of S.R. 11.

Submitted for approval: *Angela Snyder* 2-24-15
 Angela Snyder, P.E., Wolverton & Associates Date

Albert Shelby 2/25/15
 State Program Delivery Engineer Date

DD *David White* 2/24/15
 Davida White, GDOT Project Manager Date

* *Recommendation on file*

Recommendation for approval:
Hiral Patel/KLP 3-17-15
 State Environmental Administrator Date

* *Andrew Heath/KLP* 3-9-15
 State Traffic Engineer Date

* *Ben Rabun/KLP* 3-20-15
 State Bridge Engineer Date

- MPO Area: This project is consistent with the MPO adopted Regional Transportation Plan (RTP)/Long Range Transportation Plan (LRTP).
- Rural Area: This project is consistent with the goals outlined in the Statewide Transportation Plan (SWTP) and/or is included in the State Transportation Improvement Program (STIP).

Carly Van Dyke 3/9/15
 State Transportation Planning Administrator Date

PLANNING, APPROVED CONCEPT, AND BACKGROUND

Project Justification Statement: Replacing the bridge on SR 11 over Apalachee will bring it up to current AASHTO geometric design standards. The purpose of the proposed improvement is to provide better mobility through this section of SR 11 and improve operational issues for thru and local traffic. The above defined improvement is necessary and recommended to enhance the operating serviceability and provide a bridge that would adequately serve current and future travel demand on this portion of State Route 11.

Existing conditions: The existing road has two lanes, measuring 24 feet in width with 3 foot paved shoulders. The posted speed limit is 55 mph. The existing bridge (ID 297-0019-0) has a length of 200 feet and width of 27.8 feet. The major intersection along within project limits is at CR 173/Emmett Doster Road.

Description of the approved concept: The proposed project is comprised of replacing the existing bridge over Apalachee River on SR 11 with a new two-lane bridge. The existing bridge has a current structural rating of 50.60 (based on H 15 design live load). The length of the project is approximately 0.6 miles. The new bridge will be approximately 280 feet in length with 44 feet of clear width (per MOG 4265-10). The project will be constructed under traffic. The original concept report was approved on February 11, 2004.

Federal Oversight: PoDI Exempt State Funded Other

Projected Traffic as shown in the approved Concept Report: AADT
 Base Year (2006): 9000 Design Year (2026): 16500

Updated Traffic: AADT 24 HR T: 13 %
 Open Year (2018): 8950 Design Year (2038): 10925

Functional Classification (Mainline): Rural Minor Arterial

VE Study anticipated: No Yes Completed – Date:

PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none"> The approved alignment is located about 40 feet west of the existing bridge. This alignment would impact the ESA located on the historic S.R. 11. 	The proposed alignment would be located approximately 25 feet east of the existing bridge. This alignment would retain the same typical section as the approved concept.
<p>Reason(s) for change: The changes to the alignment are proposed in order to improve the sight distance for Emmett Doster Road, and to avoid impacts to the ESA at historic S.R. 11 and to permanent structures on the west side of S.R. 11.</p>	

Design Variances and/or Exceptions needed: None expected.

ENVIRONMENTAL AND PERMITS

Potential environmental impacts of proposed revision: The revised alignment would result in little to no impacts to the Environmentally Sensitive Area (ESA) located at historic S.R. 11. The Assessment of Effects (AOE) is more than five (5) years old and may need to be updated. The Section 4f document previously completed may need to be revised or amended as directed by FHWA.

Have proposed revisions been reviewed by environmental staff? No Yes

Environmental responsibilities (Studies/Documents/Permits): GDOT

Air Quality:

Is the project located in a PM 2.5 Non-attainment area? No Yes

Is the project located in an Ozone Non-attainment area? No Yes

Is a Carbon Monoxide hotspot analysis required? No Yes

This project does not require a Carbon Monoxide hotspot analysis, because it is a replacement of an existing bridge, and does not increase capacity along this corridor.

Environmental Comments and Information:

NEPA: The environmental document will need to be revised due to the proposed concept changes.

Ecology: An ecology field survey was completed in March 2015. During the aquatic survey, there were protected aquatic species collected and suitable habitat for protected aquatic species was confirmed. The aquatic survey report has been drafted and submitted to OES for review. No other suitable habitat for protected species was observed.

Archeology: None anticipated as long as the original survey limits satisfy current requirement after the project limits are determined.

History: Historical resources were reassessed by GDOT in February 2015. The AOE may need to be revised based on the age of the original being more than five (5) years old as well as the Section 4f document. Coordination with FHWA and SHPO will be reinitiated to reach a MOA for possible adverse effects.

Air Quality: Will be reassessed by GDOT.

Noise Effects: Will be reassessed by GDOT.

Public Involvement: Another PIOH will need to be conducted due to the time lapse since the previous PIOH was held.

PROJECT COST AND ADDITIONAL INFORMATION

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	\$2,464,976.79	4/1/2015	
Engineering and Inspection:	\$123,248.84	4/1/2015	
Contingencies:	\$258,822.56	4/1/2015	
Liquid AC Adjustment:	\$53,410.45	4/1/2015	
<u>Total Construction Cost:</u>	<u>\$2,900,458.64</u>		
Right-of-Way:	\$1,301,000.00	2/12/2015	
Utilities (reimbursable costs):	\$6,000	1/30/2015	
Environmental Mitigation:			
TOTAL PROJECT COST:	4,207,458.64		

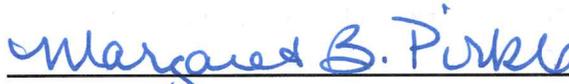
Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

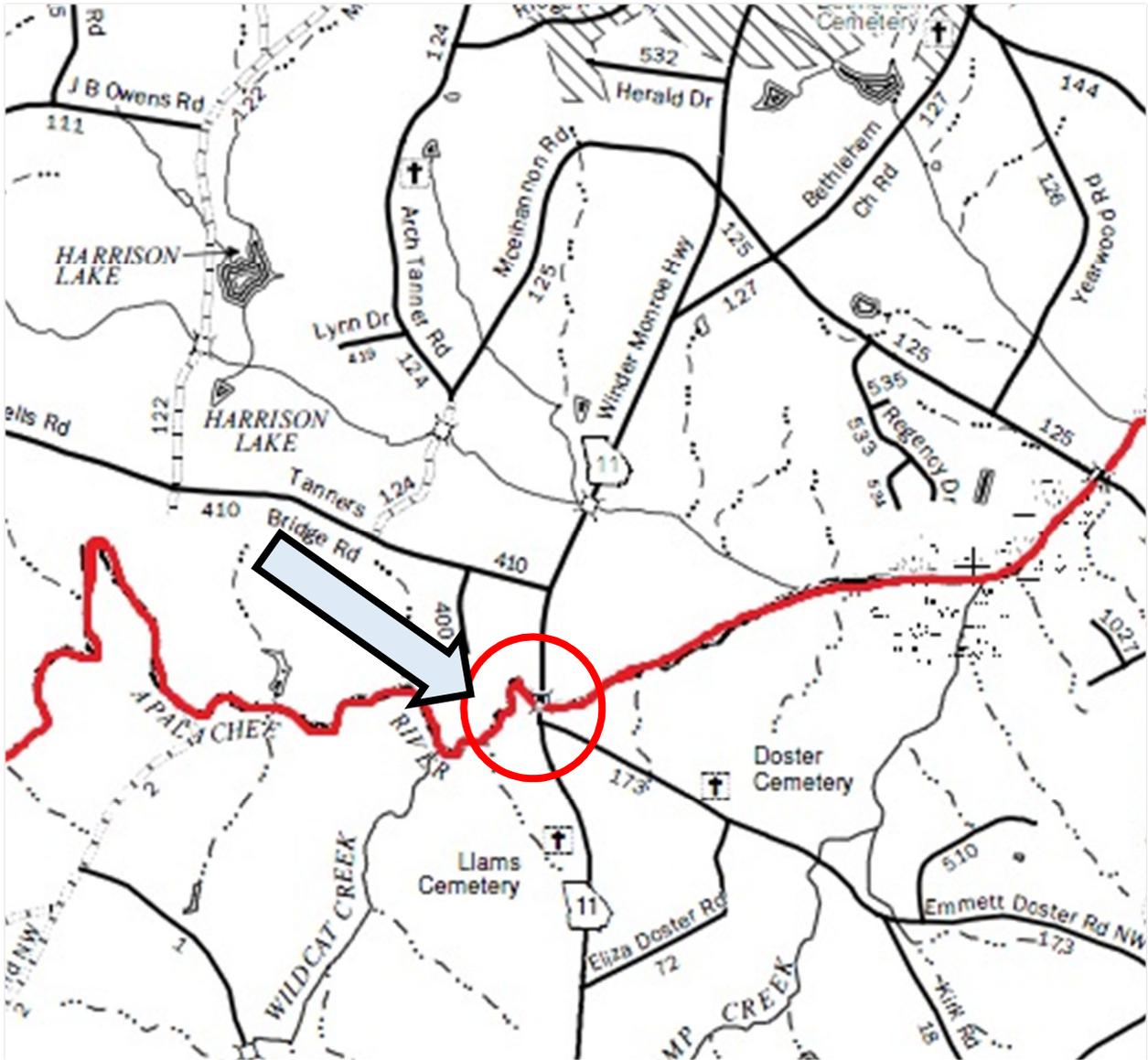
1. Sketch map
2. Cost Estimate(s)
3. Revised Concept Layout (with typical section included)
4. Detour Map – for elimination of off-site detour alternatives
5. Bridge Inventory Report

APPROVALS

Concur: 
Director of Engineering

Approve: 
Chief Engineer

5.21.15
Date



Location Map

Project: BRST0-052-01(015) WALTON/BARROW Counties

P.I. 132981

Description: SR 11 @ Apalachee River, 7.5 mi North of Monroe

STATE HIGHWAY AGENCY

DATE : 4/1/2015

JOB ESTIMATE REPORT

JOB NUMBER : 132981

SPEC YEAR: 13

DESCRIPTION: SR 11 WINDER-MONROE HWY OVER APALACHEE RIVER

ITEMS FOR JOB 132981

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
5	150-1000		LS	TRAFFIC CONTROL - BRST0-0052-01(015)	1	\$100,000.00	\$100,000.00
10	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1	\$88,824.40	\$88,824.40
20	210-0100		LS	GRADING COMPLETE - 132981	1	\$250,000.00	\$250,000.00
25	310-1101		TN	GR AGGR BASE CRS, INCL MATL	5000	\$23.52	\$117,635.60
30	318-3000		TN	AGGR SURF CRS	1070	\$38.51	\$41,206.84
35	402-1812		TN	RECYL AC LEVELING,INC BM&HL	200	\$77.59	\$15,518.01
40	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	1420	\$87.60	\$124,403.62
45	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	660	\$87.03	\$57,445.41
50	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	1070	\$91.32	\$97,720.07
55	413-1000		GL	BITUM TACK COAT	1640	\$1.40	\$2,300.85
60	432-5010		SY	MILL ASPH CONC PVMT,VARB DEPTH	267	\$7.30	\$1,951.77
65	433-1200		SY	REF CONC APPR SL/I SLOPED EDGE	370	\$196.54	\$72,722.82
70	446-1100		LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	500	\$8.05	\$4,028.03
75	456-2015		GLM	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	1	\$1,290.52	\$1,290.52
80	550-1240		LF	STM DR PIPE 24,H 1-10	100	\$56.68	\$5,668.05
85	550-1300		LF	STM DR PIPE 30,H 1-10	60	\$75.71	\$4,543.18
90	550-2180		LF	SIDE DR PIPE 18,H 1-10	39	\$36.86	\$1,437.82
95	550-2240		LF	SIDE DR PIPE 24,H 1-10	60	\$36.23	\$2,174.02
105	550-3618		EA	SAFETY END SECTION 18,SD,6:1	2	\$454.58	\$909.16
110	550-3624		EA	SAFETY END SECTION 24,SD,6:1	6	\$662.68	\$3,976.09
115	550-4224		EA	FLARED END SECT 24 IN, ST DR	2	\$678.94	\$1,357.89
120	550-4230		EA	FLARED END SECT 30 IN, ST DR	2	\$692.09	\$1,384.18
125	610-9099		LS	REM WINGWALLS/PARAPETS, STA - 214+50	1	\$6,064.62	\$6,064.62
135	634-1200		EA	RIGHT OF WAY MARKERS	40	\$107.81	\$4,312.58
140	641-1100		LF	GUARDRAIL, TP T	150	\$62.57	\$9,386.15
145	641-1200		LF	GUARDRAIL, TP W	600	\$18.25	\$10,955.99
150	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	2	\$835.48	\$1,670.96
155	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	2	\$2,044.07	\$4,088.15
160	004-0022		LS	EXTRA WORK - PERMANENT EROSION CONTROL	1	\$55,000.00	\$55,000.00
165	004-0022		LS	EXTRA WORK - TEMPORARY EROSION CONTROL	1	\$55,000.00	\$55,000.00
170	004-0022		LS	EXTRA WORK - SIGNING & MARKING	1	\$100,000.00	\$100,000.00
175	004-0022		LS	EXTRA WORK - BRIDGE LUMP SUM COST	1	\$1,222,000.00	\$1,222,000.00

ITEM TOTAL \$2,464,976.79
 INFLATED ITEM TOTAL \$2,464,976.79

TOTALS FOR JOB 132981
 ESTIMATED COST: \$2,464,976.79

CONTINGENCY PERCENT (0.0): \$0.00
 ESTIMATED TOTAL: \$2,464,976.79

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 132981

OFFICE PROGRAM
DELIVERY

PROJECT DESCRIPTION

SR 11 Winder-Monroe Hwy. over Apalachee River

DATE March 30, 2015

From: Albert V. Shelby, III, State Program Delivery Engineer

To: Lisa L. Myers, State Project Review Engineer

Subject: **REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER Davida White

MGMT LET DATE 11/15/2017

MGMT ROW DATE FY 2015

PROGRAMMED COSTS (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$ 2,250,000.00

DATE 12/14/2012

RIGHT OF WAY \$ 212,500.00

DATE 12/14/2012

UTILITIES \$ 45,000.00

DATE 12/14/2012

REVISED COST ESTIMATES

CONSTRUCTION* \$ 2,900,458.64

RIGHT OF WAY \$ 1,301,000.00

UTILITIES \$ 6,000.00

*Cost Contains 10 % Contingency

REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:

Since the programmed cost was based on a conceptual cost estimate completed in 2004, unit prices for asphalt, drainage structures and bridge, as well as right of way costs have significantly increased.

A 10% Contingency was used because this project is a Medium risk Bridge Replacement in an MS4 area with the potential of additional Section 4f and FHWA coordination and mitigation that may be required.

CONTINGENCY SUMMARY

A. CONSTRUCTION COST ESTIMATE:	\$	2,464,976.79	Base Estimate From CES
B. ENGINEERING AND INSPECTION (E & I):	\$	123,248.84	Base Estimate (A) x 5 %
C. CONTINGENCY:	\$	258,822.56	Base Estimate (A) + E & I (B) x 10 % See % Table in "Risk Based Cost Estimation" Memo
D. TOTAL LIQUID AC ADJUSTMENT:	\$	53,410.45	Total From Liquid AC Spreadsheet
E. CONSTRUCTION TOTAL:	\$	2,900,458.64	(A + B + C + D = E)

REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
Jackson EMC	\$ 5,000.00
Walton EMC	\$ 1,000.00
TOTAL	\$ 6,000.00

ATTACHMENTS:

Detailed Cost Estimate Printout From TRAQS
Liquid AC Adjustment Spreadsheet

PROJ. NO. BRSTO-0052-01(015)
P.I. NO. 132981
DATE 2/17/2015

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Feb-15	\$ 2.291
DIESEL		\$ 2.848
LIQUID AC		\$ 510.00

Link to Fuel and AC Index:
<http://www.dot.ga.gov/PS/Materials/AsphaltFuelIndex>

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)					51255	\$	51,255.00
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	816.00			
Monthly Asphalt Cement Price month project let (APL)			\$	510.00			
Total Monthly Tonnage of asphalt cement (TMT)				167.5			

ASPHALT	Tons	%AC	AC ton
Leveling	200	5.0%	10
12.5 OGFC		5.0%	0
12.5 mm	660	5.0%	33
9.5 mm SP		5.0%	0
25 mm SP	1420	5.0%	71
19 mm SP	1070	5.0%	53.5
	3350		167.5

BITUMINOUS TACK COAT

Price Adjustment (PA)					\$	2,155.45	\$	2,155.45
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	816.00				
Monthly Asphalt Cement Price month project let (APL)			\$	510.00				
Total Monthly Tonnage of asphalt cement (TMT)				7.04396512				

Bitum Tack

Gals	gals/ton	tons
1640	232.8234	7.04396551

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)						0	\$	-
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	816.00				
Monthly Asphalt Cement Price month project let (APL)			\$	510.00				
Total Monthly Tonnage of asphalt cement (TMT)				0				

Bitum Tack

	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0

TOTAL LIQUID AC ADJUSTMENT \$ **53,410.45**

GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 2/12/2015 Project: BRSTO-0052-01(015)
 Revised: County: Walton
 PI: 132981

Description: SR 11 Over Apalache River Winder-Monroe Hwy
 Project Termini: SR 11 Over Apalache River Winder-Monroe Hwy

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 8

Land and Improvements _____ \$990,750.00

Proximity Damage	\$0.00
Consequential Damage	\$50,000.00
Cost to Cures	\$75,000.00
Trade Fixtures	\$0.00
Improvements	\$350,000.00

Valuation Services _____ \$30,000.00

Legal Services _____ \$80,400.00

Relocation _____ \$96,000.00

Demolition _____ \$30,000.00

Administrative _____ \$73,500.00

TOTAL ESTIMATED COSTS _____ \$1,300,650.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$1,301,000.00

Preparation Credits	Hours	Signature

Prepared By: Deshone Alexander CG#: 286999 02/12/2015 (DATE)

Approved By: Deshone Alexander CG#: 286999 02/12/2015 (DATE)

NOTE: No Market Appreciation is included in this Preliminary Cost Estimate

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST0-0052-01(015) Walton-Barrow Cos. OFFICE GAINESVILLE
 PI No. 132981-
 Bridge Replacement SR 11 at Apalachee River

FROM Neil Kantner, P.E., Distr. Utilities Eng. DATE 1/30/2015

TO Albert Shelby, State Program Delivery Engineer
 ATTN Davida White, Project Manager

SUBJECT INITIAL PRELIMINARY UTILITY COST ESTIMATE

As requested by your office we are furnishing you with an Initial Preliminary Utility Cost estimate for the subject project.

FACILITY OWNER	NON-REIMBURSABLE	REIMBURSABLE
City of Winder-Water*	\$136,750	\$0
City of Winder-Natural Gas*	\$133,500	\$0
Walton County Water-Sewer*	\$48,750	\$0
Jackson EMC	\$0	\$5,000
Walton EMC	\$0	\$1,000
Windstream Telephone	\$35,000	\$0

TOTALS \$354,000 \$6,000

Total Non-Reimbursable Cost \$354,000

Total Reimbursable Cost \$6,000

*If the Local Gov'ts are granted Utility Aid, \$319,000 will need to be added to the reimbursable cost.

NAK
 C: Mike Bolden, State Utilities Engineer
 Matt Needham, Area Engineer
 Dana Garrison, Area Engineer
 File:

Bridge Inventory Data Listing



Parameters: Bridge Serial Num

Structure ID:297-0019-0

Walton

SUFF. RATING: 50.60

Location & Geography

Structure ID: 297-0019-0
 200 Bridge Information: 06
 *6A Feature Int: APALACHEE RIVER
 *6B Critical Bridge:
 *7A Route No Carried: SR00011
 *7B Facility Carried: SR 11
 9 Location: 7.5 MI N OF MONROE
 2 Dot District: 4841100000 - D1 DISTRICT ONE GAINESVILLE
 207 Year Photo: 2013
 *91 Inspection Frequency: 24 Date: 08/29/2013
 92A Fract Crit Insp Freq: 0 Date: 02/01/1901
 92B Underwater Insp Freq: 00 Date: 02/01/1901
 92C Other Spc. Insp Freq: 00 Date: 02/01/1901
 * 4 Place Code: 00000
 *5 Inventory Route(O/U): 1
 Type: 3 - State
 Designation: 1- Mainline
 Number: 00011
 Direction: 0. Not applicable
 *16 Latitude: 33.0000- 54.0168 HMMS Prefix:SR
 *17 Longitude: 83.0000- 54.0168 HMMS Suffix:00
 MP: 19.70
 98 Border Bridge: % Shared:00
 99 ID Number: 0000000000000000
 *100 STRAHNET: 0- The Feature is not a STRAHNET route.
 12 Base Highway Network: 1
 13A LRS Inventory Route: 2971001100
 13B Sub Inventory Route: 0.00
 *101 Parallel Structure: N. No parallel structure exists
 *102 Direction of Traffic: 2- Two Way
 *264 Road Inventory Mile Post: 019.36
 *208 Inspection Area: Area 02 Initials: VTT
 Engineer's Initials: JTB
 * Location ID No: 297-00011D-019.70N

*104 Highway System: 0- Bridge does not carry a route on the NHS.
 *26 Functional Classification: 6- Rural - Minor Arterial
 *204 Federal Route Type: F - Primary. No: 00521
 105 Federal Lands Highway: 0. Not applicable
 *110 Truck Route: 0
 206 School Bus Route: 0
 217 Benchmark Elevation: 0000.00
 218 Datum: 0- Not Applicable
 *19 Bypass Length: 10
 *20 Toll: 3- On a Free Road or Non-Highway
 *21 Maintenance: 01-State Highway Agency.
 *22 Owner: 01-State Highway Agency.
 *31 Design Load: 2- H 15
 37 Historical Significance: 5- Not eligible for the National Register of Historic Places
 205 Congressional District: 7 - SEVEN
 27 Year Constructed: 1942
 106 Year Reconstructed: 0
 33 Bridge Median : 0-None
 34 Skew: 24
 35 Structure Flared: No
 38 Navigation Control: 0- Navigation is not controlled by an Agency
 213 Special Steel Design: 0- Not applicable or other
 267 Type of Paint: 2- Non-Lead Oil Alkyd System (System IV).
 *42 Type of Service On: 1-Highway
 Type of Service Under: 5-Waterway
 214 Movable Bridge: 0
 203 Type Bridge: A- Spread - O. Concrete M. Steel - O. Concrete
 259 Pile Encasement 3
 *43 Structure Type Main: 3-Steel 2-Stringer/Multi-Beam or Girder
 45 No.Spans Main: 5
 44 Structure Type Appr: 0- Other 0- Other
 46 No Spans Appr: 0
 226 Bridge Curve Horz 0 Vert: 1.00
 111 Pier Protection N - Navigation Control item coded 0, or Feature not a waterway
 107 Deck Structure Type:
 108 Wearing Structure Type:
 Membrane Type:
 Deck Protection:

Signs & Attachments

225 Expansion Joint Type: 02- Open or sealed concrete joint (silicone sealant)
 242 Deck Drains: 1- Open Scuppers.
 243 Parapet Location: 0- None present.
 Height: 0.00
 Width: 0.00
 238 Curb Height: 1
 Curb Material: 1- Concrete.
 239 Handrail 1- Concrete. 1- Concrete.
 *240 Median Barrier Rail: 0- None.
 241 Bridge Median Height: 0
 * Bridge Median Width: 0
 230 Guardrail Loc. Dir. Rear: 3- Both sides.
 Fwr: 3- Both sides.
 Oppo. Dir. Rear: 0- None.
 Oppo. Fwr: 0- None.
 244 Approach Slab 3- Forward and Rear.
 224 Retaining Wall: 0- None.
 233 Posted Speed Limit: 55
 236 Warning Sign: 1.00
 234 Delineator: 1.00
 235 Hazard Boards: 1
 237 Utilities Gas: 00- Not Applicable
 Water: 00- Not Applicable
 Electric: 00- Not Applicable
 Telephone: 00- Not Applicable
 Sewer: 00- Not Applicable
 247 Lighting Street: 0
 Navigation: 0
 Aerial: 0- Not
 *248 County Continuity No.: 13

Bridge Inventory Data Listing



Parameters: Bridge Serial Num

Structure ID:297-0019-0

Programming Data		Measurements:				
201 Project No:	FAP 148 (4) PT.3	*29 ADT	7750	Year:2012	65 Inventory Rating Method:	1-Load Factor (LF)
202 Plans Available:	4- Plans in Infolmage.	109 %Trucks:	1		63 Operating Rating Method:	1-Load Factor (LF)
249 Prop Proj No:	BRST-052-1 (15)	* 28 Lanes On:	2	Under:0	66 Inventory Type:	2 - HS loading. Rating: 28
250 Approval Status:	0000	210 No. Tracks On:	00	Under:00	64 Operating Type:	2 - HS loading. Rating: 36
251 PI Number:	132981-	* 48 Max. Span Length	40		231 Calculated Loads:	
252 Contract Date:	02/01/2008	* 49 Structure Length:	200		H-Modified:	21 0
260 Seismic No:	00000	51 Br. Rwdy. Width	23.80		HS-Modified:	28 0
75 Type Work:	34- Widening 1- Work to be done by contract with deck	52 Deck Width:	27.80		Type 3:	26 0
94 Bridge Imp. Cost:	\$781	* 47 Tot. Horiz. Cl:	24		Type 3s2:	39 0
95 Roadway Imp. Cost:	\$78	50 Curb / Sidewalk Width	0.80 / 0.80		Timber:	32 0
96 Total Imp Cost:	\$1172	32 Approach Rdwy. Width	29		Piggyback:	40 0
76 Imp Length:	411	*229 Shoulder Width:			261 H Inventory Rating:	21
97 Imp Year:	2013	Rear Lt:	2.50	Type:2 - Rt:3	262 H Operating Rating	30
114 Fureur ADT:	11625 Year:2032	Fwd. Lt:	2.50	Type:2 - Rt:3	67 Structural Evaluation:	5-Somewhat better than minimum adequacy to tolerate being left in place as is
Hydraulic Data		Pavement Width:			58 Deck Condition:	6 - Satisfactory Condition
215 Waterway Data:		Rear:	24.00	Type: 2- Asphalt.	59 Superstructure Condition:	5 - Fair Condition
High Water Elev:	0000.0 Year:1900		24.00	Type: 2- Asphalt.	* 227 Collision Damage:	0
Flood Elev:	0000.0 Freq:00	Intersaction Rear:	1	Fwd: 0	60A Substructure Condition:	6 - Satisfactory Condition
Avg Streambed Elev:	0000.0	36 Safety Features Br. Rail:	2-	Inspected feature meets acceptable construction date standards.	60B Scour Condition:	7 - Good Condition
Drainage Area:	00054	Transition:	2-	Inspected feature meets acceptable construction date standards.	60C Underwater Condition	N - Not Applicable
Area of Opening:	000000	App. G. Rail:	2-	Inspected feature meets acceptable construction date standards.	71 Waterway Adequacy:	8-Equal to present desirable criteria.
113 Scour Critical	U. No Load Rating; no scour critical data entered.	App. Rail End:	2-	Inspected feature meets acceptable construction date standards.	61 Channel Protection Cond.:	6
216 Water Depth:	2.3 Br.Height:22.1	53 Minimum Cl. Over:	99'99"		68 Deck Geometry:	2-Basically intolerable requiring high priority of replacement.
222 Slope Protection:	1	Under:	N-	Feature not a highway or railroad. 0.00'0.00"	69 UnderClr. Horz/Vert:	Not Applicable.
221 Spur Dikes Rear	0 Fwd:0	*228 Minimum Vertical Cl			72 Appr. Alignment:	7-Between 8 and 6
219 Fender System	0- None.	Act. Odm Dir.:	99'	99"	62 Culvert:	N - Not Applicable
220 Dolphin:		Oppo. Dir:	99'	99"	Posting Data	
223 Culvert Cover:	000	Posted Odm. Dir:	00'	00"	70 Bridge Posting Required	5. Equal to or above legal loads
Type:	0- Not Applicable	Oppo. Dir:	00'	00"	41 Struct Open, Posted, CL:	A. Open, no restriction
No. Barrels:	0	55 Lateral Undercl. Rt:	N-	Feature not a highway or railroad. 0.00	* 103 Temporary Structure:	0
Width:	0.00 Height:0	56 Lateral Undercl. Lt:	0.00		232 Posted Loads	
Length:	0 Apron:0	*10 Max Min Vert Cl:	99'	99" Dir:0	H-Modified:	00
*265 U/W Insp. Area	0 Diver:ZZZ	39 Nav Vert Cl:	000	Horiz:0	HS-Modified:	00
*Location ID No:	297-00011D-019.70N	116 Nav Vert Cl Closed:	000		Type 3:	00
		245 Deck Thickness Main	7.00		Type 3s2:	00
		Deck Thick Approach:	0.00		Timber:	00
		246 Overlay Thickness:	0.00		Piggyback	00
		212 Year Last Painted:	Sup:1989	Sub:0000	253 Notification Date:	02/01/1901
					258 Fed Notify Date:	02/01/1901