

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0007959 **OFFICE** Design Policy & Support
CSBRG-0007-00(959)
Irwin County
GDOT District 4 - Tifton **DATE** 6/26/2013
Bridge Replacement: CR 252/Frank Rd @
Willacochee River

FROM  Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED LOCATION & DESIGN REPORT

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

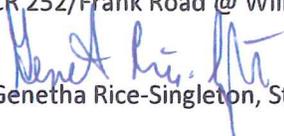
Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andy Casey, State Roadway Design Engineer
Attn: Sandy Griffin, District Design Engineer
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Joe Sheffield, District Engineer
Brent Thomas, District Preconstruction Engineer
Shane Pridgen, District Planning & Programming Engineer
Keith Carver, Area Engineer - D4, A2
Brent Moseley, Project Manager
BOARD MEMBER - 8th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. 0007959, Irwin County OFFICE Program Delivery
CSBRG-0007-00(959)
CR 252/Frank Road @ Willacoochee River DATE May 28, 2013

FROM  Genetha Rice-Singleton, State Program Delivery Engineer

TO Brent A. Story, P.E., State Design Policy Engineer/ Attn: State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: This project is the replacement of the narrow and structurally deficient bridge on County Road 252 at Willacoochee River approximately 2 miles northwest of Ocilla, Georgia, in the 4th Land District, Land Lot no. 270, 271 and 272; this project is located in Georgia Militia District 1388. Two 11 ft. travel lanes with 5 ft. shoulders will taper down to the existing 9.5 ft. travel lanes in order to tie-in to the existing roadway. Approximately 566 ft. of guardrail will be used at the proposed bridge locations. The proposed project will be approximately 0.256 miles in length.

Concept Approval Date: Original Concept approved on December 10, 2010.

Concept Update: No updates to the concept have occurred.

Environmental Document Type, Approval Date & any Reevaluations: The Categorical Exclusion was approved on 6/20/13. No reevaluations have been completed to date.

Public Involvement:

- **Detour Meeting Results:**
 - Held July 26, 2011 at the Ocilla Community House located at 711 S. Irwin Ave., Ocilla, Ga.
 - A total of 3 people attended the detour meeting, and a total of 0 comment forms were received.
 - 1 public official attended: Joey Whitley, Chairman of the Irwin County Board of Commissioners

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 the project be approved and that the attached Notice be approved for advertising.

CONCUR: *[Signature]* 6-2-13
Director of Engineering

APPROVED: *[Signature]* 6/14/13
Chief Engineer Date

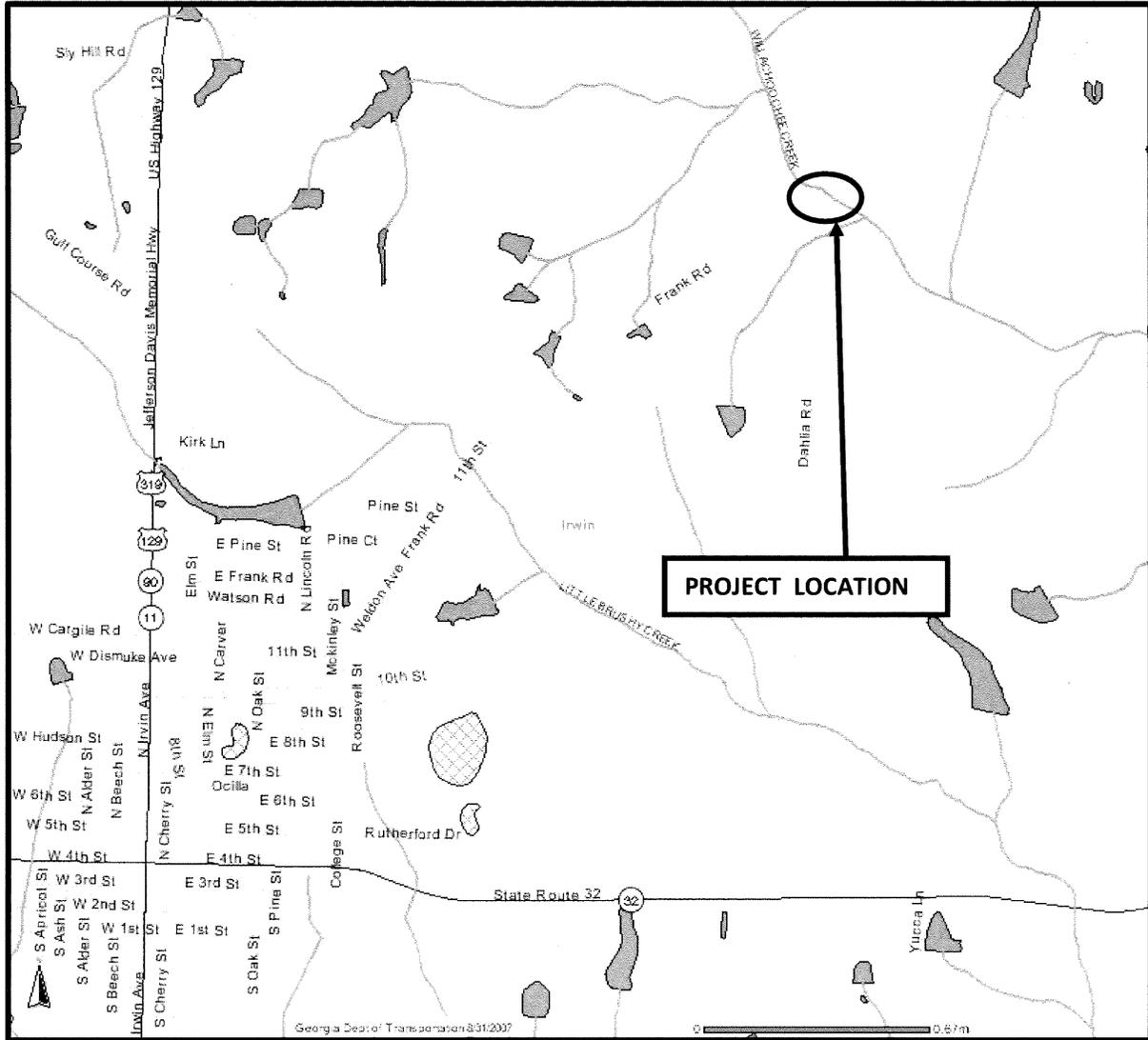
DATE OF LOCATION AND DESIGN APPROVAL: June 26, 2013
(To be entered by the State Conceptual Design Group Manager)

GRS:AVS:BAM

Attachments:

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

LOCATION SKETCH



Project No. CSBRG-0007-00(959), Irwin County

PI 0007959

Bridge Replacement: CR 252 @ Willacoochee River

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. , OFFICE

DATE

P.I. No.

Albert Shelby for

FROM

TO Lisa L. Myers, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

LAST ESTIMATE UPDATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES \$

* Costs contain % Engineering and Inspection

REASON FOR COST INCREASE

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ 1,470,716.44	(Base Estimate)
Engineering and Inspection:	\$ 73,535.82	(Base Estimate x 5 %)
Total Liquid AC Adjustment	\$ 11,265.22	(From attached worksheet)
Construction Total:	\$ 1,555,517.48	

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

Irwin EMC	0.00
Windstream	0.00

Attachments

DETAILED COST ESTIMATE



Job: 0007959

JOB NUMBER: 0007959

FED/STATE PROJECT NUMBER

SPEC YEAR: 01

DESCRIPTION: CR 252 OVER WILLACOOCHEE RIVER

ITEMS FOR JOB 0007959

010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$10,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(959)	\$10,000.00
0010	153-1300	1.000	EA	\$68,000.00000	FIELD ENGINEERS OFFICE TP 3	\$68,000.00
0015	210-0100	1.000	LS	\$202,409.36000	GRADING COMPLETE - CSBRG-0007-00(959)	\$202,409.36
0020	310-5080	2503.000	SY	\$15.00000	GR AGGR BS CRS 8IN INCL MATL	\$37,545.00
0025	318-3000	15.000	TN	\$35.00000	AGGR SURF CRS	\$525.00
0029	402-1812	47.000	TN	\$105.13000	RECYL AC LEVELING,INC BM&HL	\$4,941.11
0030	402-3100	238.000	TN	\$92.90000	REC AC 9.5 MM SP,TPI,GP1ORBL1,INCL BM&HL	\$22,110.20
0035	402-3190	350.000	TN	\$90.73000	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$31,755.50
0040	413-1000	197.000	GL	\$10.00000	BITUM TACK COAT	\$1,970.00
0045	433-1200	217.000	SY	\$153.00000	REF CONC APPR SL/I SLOPED EDGE	\$33,201.00
0050	441-0301	4.000	EA	\$1,865.00000	CONC SPILLWAY, TP 1	\$7,460.00
0055	500-3101	2.000	CY	\$855.00000	CLASS A CONCRETE	\$1,710.00
0059	550-1480	205.000	LF	\$88.00000	STM DR PIPE 48",H 1-10	\$18,040.00
0060	550-2180	34.000	LF	\$31.00000	SIDE DR PIPE 18",H 1-10	\$1,054.00
0064	550-3348	8.000	EA	\$3,100.00000	SAFETY END SECTION 48",STD,4:1	\$24,800.00
0065	550-3618	2.000	EA	\$850.00000	SAFETY END SECTION 18",SD,6:1	\$1,700.00
0070	576-1018	114.000	LF	\$28.00000	SLOPE DRAIN PIPE, 18 IN	\$3,192.00
0075	634-1200	23.000	EA	\$115.00000	RIGHT OF WAY MARKERS	\$2,645.00
0076	641-1100	84.000	LF	\$65.00000	GUARDRAIL, TP T	\$5,460.00
0077	641-1200	648.000	LF	\$17.00000	GUARDRAIL, TP W	\$11,016.00
0078	641-5001	4.000	EA	\$650.00000	GUARDRAIL ANCHORAGE, TP 1	\$2,600.00
0079	641-5012	3.000	EA	\$1,915.00000	GUARDRAIL ANCHORAGE, TP 12	\$5,745.00
SUBTOTAL FOR ROADWAY:						\$497,879.17

020 - EROSION CONTROL PERMANENT

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0080	700-6910	6.000	AC	\$1,000.00000	PERMANENT GRASSING	\$6,000.00
0085	700-7000	18.000	TN	\$65.00000	AGRICULTURAL LIME	\$1,170.00
0095	700-8000	5.000	TN	\$550.00000	FERTILIZER MIXED GRADE	\$2,750.00
0100	700-8100	300.000	LB	\$4.00000	FERTILIZER NITROGEN CONTENT	\$1,200.00
SUBTOTAL FOR EROSION CONTROL PERMANENT:						\$11,120.00

030 - EROSION CONTROL TEMPORARY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0105	163-0232	6.000	AC	\$600.00000	TEMPORARY GRASSING	\$3,600.00
0110	163-0240	82.000	TN	\$250.00000	MULCH	\$20,500.00
0115	163-0300	2.000	EA	\$1,200.00000	CONSTRUCTION EXIT	\$2,400.00
0120	163-0520	395.000	LF	\$15.00000	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$5,925.00
0125	163-0528	225.000	LF	\$9.00000	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$2,025.00
0130	163-0529	1196.000	LF	\$4.00000	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$4,784.00
0135	165-0030	1740.000	LF	\$1.00000	MAINT OF TEMP SILT FENCE, TP C	\$1,740.00
0140	165-0041	113.000	LF	\$1.55000	MAINT OF CHECK DAMS - ALL TYPES	\$175.15
0145	165-0071	598.000	LF	\$0.91000	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$544.18
0150	165-0101	2.000	EA	\$500.00000	MAINT OF CONST EXIT	\$1,000.00
0155	167-1000	2.000	EA	\$500.00000	WATER QUALITY MONITORING AND SAMPLING	\$1,000.00
0160	167-1500	18.000	MO	\$500.00000	WATER QUALITY INSPECTIONS	\$9,000.00
0165	171-0030	3479.000	LF	\$3.00000	TEMPORARY SILT FENCE, TYPE C	\$10,437.00
0169	643-8200	1589.000	LF	\$2.56000	BARRIER FENCE (ORANGE), 4 FT	\$4,067.84
SUBTOTAL FOR EROSION CONTROL TEMPORARY:						\$67,198.17

DETAILED COST ESTIMATE



Job: 0007959

040 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0170	636-1020	54.000	SF	\$17.00000	HWY SGN,TP1MAT,REFL SH TP3	\$918.00
0175	636-1033	78.000	SF	\$22.00000	HWY SIGNS, TP1MAT,REFL SH TP 9	\$1,716.00
0180	636-2070	238.000	LF	\$8.00000	GALV STEEL POSTS, TP 7	\$1,904.00
0185	652-5451	1300.000	LF	\$0.10000	SOLID TRAF STRIPE, 5 IN, WHITE	\$130.00
0190	652-5452	1300.000	LF	\$0.13000	SOLID TRAF STRIPE, 5 IN, YELLO	\$169.00
0194	653-1704	11.000	LF	\$5.00000	THERM SOLID TRAF STRIPE,24",WH	\$55.00
0195	654-1001	42.000	EA	\$3.00000	RAISED PVMT MARKERS TP 1	\$126.00
0209	657-1085	500.000	LF	\$7.00000	PRF PL SD PVT MKG,8",B/W,TP PB	\$3,500.00
0210	657-6085	500.000	LF	\$7.00000	PRF PL SD PVMT MKG,8",B/Y,TPPB	\$3,500.00
SUBTOTAL FOR SIGNING AND MARKING:						\$12,018.00

050 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0215	540-1101	1.000	LS	\$87,750.00000	REM OF EX BR, STA NO - CSBRG-0007-00(959)	\$87,750.00
0220	543-9000	1.000	LS	\$750,000.00000	CONSTR OF BRIDGE COMPLETE - CSBRG-0007-00(959)	\$750,000.00
0225	603-2024	509.000	SY	\$64.00000	STN DUMPED RIP RAP, TP 1, 24"	\$32,576.00
0230	603-7000	509.000	SY	\$4.90000	PLASTIC FILTER FABRIC	\$2,494.10
SUBTOTAL FOR BRIDGE:						\$872,820.10

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	109-0300	1.000	*\$*	\$9,681.00000	PRICE ADJ - ASPHALT CEMENT	\$9,681.00
SUBTOTAL FOR :						\$9,681.00

TOTALS FOR JOB 0007959

ITEMS COST:	\$1,470,716.44
COST GROUP COST:	\$0.00
ESTIMATED COST:	\$1,470,716.44
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.05
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$1,544,252.26

PROJ. NO. CSBRG-0007-00(959) **CALL NO.**
P.I. NO. 0007959
DATE 9/18/2012

INDEX (TYPE) **DATE** **INDEX** **Link to Fuel and AC Index:**
 REG. UNLEADED Sep-12 \$ 3.836 <http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>
 DIESEL \$ 4.068
 LIQUID AC \$ 576.00

LIQUID AC ADJUSTMENTS

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

Asphalt
 Price Adjustment (PA) **10972.8** \$ **10,972.80**
 Monthly Asphalt Cement Price month placed (APM) 921.60
 Monthly Asphalt Cement Price month project let (APL) 576.00
Total Monthly Tonnage of asphalt cement (TMT) **31.75**

ASPHALT	Tons	%AC	AC ton
Leveling	47	5.0%	2.35
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	238	5.0%	11.9
25 mm SP		5.0%	0
19 mm SP	350	5.0%	17.5
	635		31.75

BITUMINOUS TACK COAT

Price Adjustment (PA) \$ **292.42**
 Monthly Asphalt Cement Price month placed (APM) 921.60
 Monthly Asphalt Cement Price month project let (APL) 576.00
Total Monthly Tonnage of asphalt cement (TMT) **0.846134882**

Bitum Tack
 Gals gals/ton tons
 197 232.8234 0.84613488

PROJ. NO.

CSBRG-0007-00(959)

CALL NO.

P.I. NO.

0007959

DATE

9/18/2012

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA) 0 \$ -

Monthly Asphalt Cement Price month placed (APM) \$ 921.60

Monthly Asphalt Cement Price month project let (APL) \$ 576.00

Total Monthly Tonnage of asphalt cement (TMT) 0

Max. Cap

60%

Bitum Tack

Single Surf. Trmt.

Double Surf. Trmt.

Triple Surf. Trmt

SY

Gals/SY

Gals

gals/ton

tons

0.20

0.44

0.71

0

0

0

232.8234

232.8234

232.8234

0

0

0

0

TOTAL LIQUID AC ADJUSTMENT

\$ 11,265.22

**GEORGIA DEPARTMENT OF TRANSPORTATION
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 9/13/2012 Project: CSBRG-0007-00(959)
 Revised: County: Irwin County
 PI: 0007959

Description: Bridge Replacement
 Project Termini: Bridge Replacement

Existing ROW: Varies
 Required ROW: Varies
 Parcels: 3

Land and Improvements _____ \$68,250.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$20,000.00

Valuation Services _____ \$3,000.00

Legal Services _____ \$39,525.00

Relocation _____ \$6,000.00

Demolition _____ \$0.00

Administrative _____ \$28,500.00

TOTAL ESTIMATED COSTS _____ \$145,275.00

TOTAL ESTIMATED COSTS (ROUNDED) _____ \$146,000.00

Preparation Credits	Hours	Signature

Prepared By: Lawrence Alexander CG#: 2856999 9/13/2012
 Approved By: Joshua Alexander CG#: 2856999 9/13/2012

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE

Project No: **CSBRG-0007-00(959)**
 County **IRWIN**
 P.I. # **0007959**

OFFICE: **Tifton**
 DATE: **10/7/2011**

Description: **CR 252/FRANK ROAD @ WILLACOOCHEE RIVER**

TW
FROM Tim Warren, P.E., District Utilities Engineer

TO Rathburn, Randy , Project Manager

SUBJECT **UPDATED UTILITY COST ESTIMATE**

A review of utilities located on the above referenced project has been conducted . Listed below is a breakdown of the anticipated reimbursable and non-reimbursable cost.

<u>Utility Owner</u>	<u>Reimbursable</u>	<u>Non-Reimbursable</u>	<u>Estimate Based on</u>
Irwin Emc	\$0.00	\$23,100.00	Site Visit / Available Drawings
Windstream	\$0.00	\$10,010.00	Site Visit / Available Drawings
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
	\$0.00	\$0.00	
Total	\$ 0.00	\$ 33,110.00	

**** Indicates Potential Utility Aid Request from Local Gov't**

Estimate is based on the best available information at the current stage, unforeseen prior rights information may provided by the Utility Company at a later date that could cause some non-reimbursable costs to shift to the reimbursable cost column.

If additional information is needed, please contact me or Ken Cheek, Utilities Engineer at (229) 386-3288.

TW:KC


c: Jeff Baker, P.E., State Utilities Engineer
 Brent Thomas, District Preconstruction Engineer
 Angela Robinson, State Financial Management Administrator

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. CSBRG-0007-00(959)

P. I. NUMBER: 0007959

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.

Date of Location Approval: June 26, 2013

This project is the replacement of the narrow and structurally deficient bridge on County Road 252 at Willacoochee River approximately 2 miles northwest of Ocilla, Georgia, in the 4th Land District, Land Lot no. 270, 271 and 272; this project is located in Georgia Militia District 1388. Two 11 ft. travel lanes with 5 ft. shoulders will taper down to the existing 9.5 ft. travel lanes in order to tie-in to the existing roadway. Approximately 566 ft. of guardrail will be used at the proposed bridge locations. The proposed project will be approximately 0.256 miles in length. 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:

Keith Carver – Area 2 Engineer
hcarver@dot.ga.gov
1835 South Peterson Ave.
Douglas, GA 31535
Phone: 912-389-4201

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:

Brent Thomas, District Preconstruction Engineer
bthomas@dot.ga.gov
710 West 2nd Street
Tifton, GA 31794
Phone: 229-386-3300

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