



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

Project Type: <u>Bridge Replacement</u>	P.I. Number: <u>0007178</u>
GDOT District: <u>02</u>	County: <u>Johnson</u>
Federal Route Number: <u>221</u>	State Route Number: <u>171</u>
Project Number: <u>CSBRG-0007-00(178)</u>	

*This project consists of a bridge replacement on State Route 171 over Halton Creek 0.6 miles South of Kite in Johnson County.  
The project is now revised to consist of the following: In lieu of the originally proposed offsite detour, the Project shall now utilize an onsite detour with a detour bridge.*

**Submitted for approval:**

  
\_\_\_\_\_  
Consultant Designer and Firm or GDOT Concept/Design Phase Office Head

8/26/14  
\_\_\_\_\_  
DATE

*Albert Shelby* BNA  
\_\_\_\_\_  
State Program Delivery Engineer

9/4/14  
\_\_\_\_\_  
DATE

*Bruce D Anderson*  
\_\_\_\_\_  
GDOT Project Manager

08/28/14  
\_\_\_\_\_  
DATE

*\* Recommendation on file*  
**Recommendation for approval:**

*\* Hiral Patel / KLP*  
\_\_\_\_\_  
State Environmental Administrator

9-8-14  
\_\_\_\_\_  
DATE

*\* Ben Rabun / KLP*  
\_\_\_\_\_  
State Bridge Engineer

9-23-14  
\_\_\_\_\_  
DATE

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Plan (RTP) and/or the State Transportation Improvement Program (STIP).

*Christina K Nauspe*  
\_\_\_\_\_  
State Transportation Planning Administrator

9-15-14  
\_\_\_\_\_  
DATE

## PLANNING, APPROVED CONCEPT, AND BACKGROUND

**Project Justification Statement:** This bridge (Structure ID 167-0025-0; SR 171 over Holton Creek) was built in 1963. The bridge consists of three spans of reinforced concrete deck girders on concrete caps and concrete columns. This bridge was designed using a truck configuration that weighs less than the current state legal truck weights. This bridge is currently posted. The overall condition of this bridge would be classified as good; with the deck, superstructure and substructure members exhibiting some minor problems. The superstructure has some minor cracking. No rehabilitation work performed on the structural components would improve this bridge in so far as the posting of the structure is concerned. Due to the structural integrity based on the design and that the bridge is currently posted, replacement of this bridge is recommended.

**Existing conditions:** Existing conditions include two travel lanes, one in each direction, and a bridge (Structure ID 167-0025-0) over Holton Creek, which was constructed in 1963.

**Description of the approved concept:** This project consists of the replacement of the structurally deficient bridge over Holton Creek on State Route 171 located 0.6 miles South of Kite in Johnson County. The length of the project will be 0.32 miles. The replacement bridge is not proposed to be raised to increase boat clearance. A hydraulic study will be completed to determine if the bridge will need to be raised. Traffic will be detoured with an off-site detour during construction.

**Federal Oversight:**  FOS/PoDI  Exempt  State Funded  Other

**Projected Traffic as shown in the approved Concept Report: ADT**  
 Open Year (2017): 650 Design Year (2037): 975

**Updated Traffic: ADT**  
 Open Year (2017): 650 Design Year (2037): 975  
 Updated Traffic Projections Performed by: N/A

**Functional Classification (Mainline):** Rural Major Collector

**VE Study anticipated:**  No  Yes  Completed – Date:

## PROPOSED REVISIONS

Approved Features:	Proposed Features:
<ul style="list-style-type: none"> <li>▪ Project Termini: The approved concept Report proposed to close SR171 during construction of this project and utilize an off-site detour.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Project Termini: The project is now revised to maintain traffic on SR171 during construction of this project by utilizing an on-site detour.</li> <li>▪ ROW: A temporary easement will be required to construct the on-site detour</li> </ul>
<p><b>Reason(s) for change:</b> These changes are being proposed due to almost exclusively negative feedback following the PIOH with respect to the off-site detour.</p>	

**Design Variances and/or Exceptions needed:** None

## ENVIRONMENTAL AND PERMITS

**Potential environmental impacts of proposed revision:** Additional impacts to wetlands are anticipated.

**Have proposed revisions been reviewed by environmental staff?**     No     Yes

**Environmental responsibilities (Studies/Documents/Permits):** Consultant (Ecological Solutions)

### 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

### Environmental Comments and Information:

**NEPA:** Addendum to be added

**Ecology:** additional buffer impacts to Holton Creek anticipated

**Archeology:** None

**History:** None

**Air & Noise:** None

**Public Involvement:** PIOH on September 18, 2013

## PROJECT COST AND ADDITIONAL INFORMATION

Item	Estimated Cost	Date of Estimate	Funded By
Base Construction Cost:	\$1,529,254.80	9/29/2014	
Engineering and Inspection:	5%	9/29/2014	
Contingency	7%	9/29/2014	
Liquid AC Adjustment:	\$29,863.69	9/30/2014	
<u>Total Construction Cost:</u>	\$1,742,629.07		
Right-of-Way:	\$160,000.00	9/22/2014	
Utilities (reimbursable costs):	\$0.00	10/2/2014	
Environmental Mitigation:	\$29,000.00	9/29/2014	
<b>TOTAL PROJECT COST:</b>	<b>\$1,931,629.07</b>		

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

**Comments:**

**Attachments:**

Typical →  
Sections  
KLP

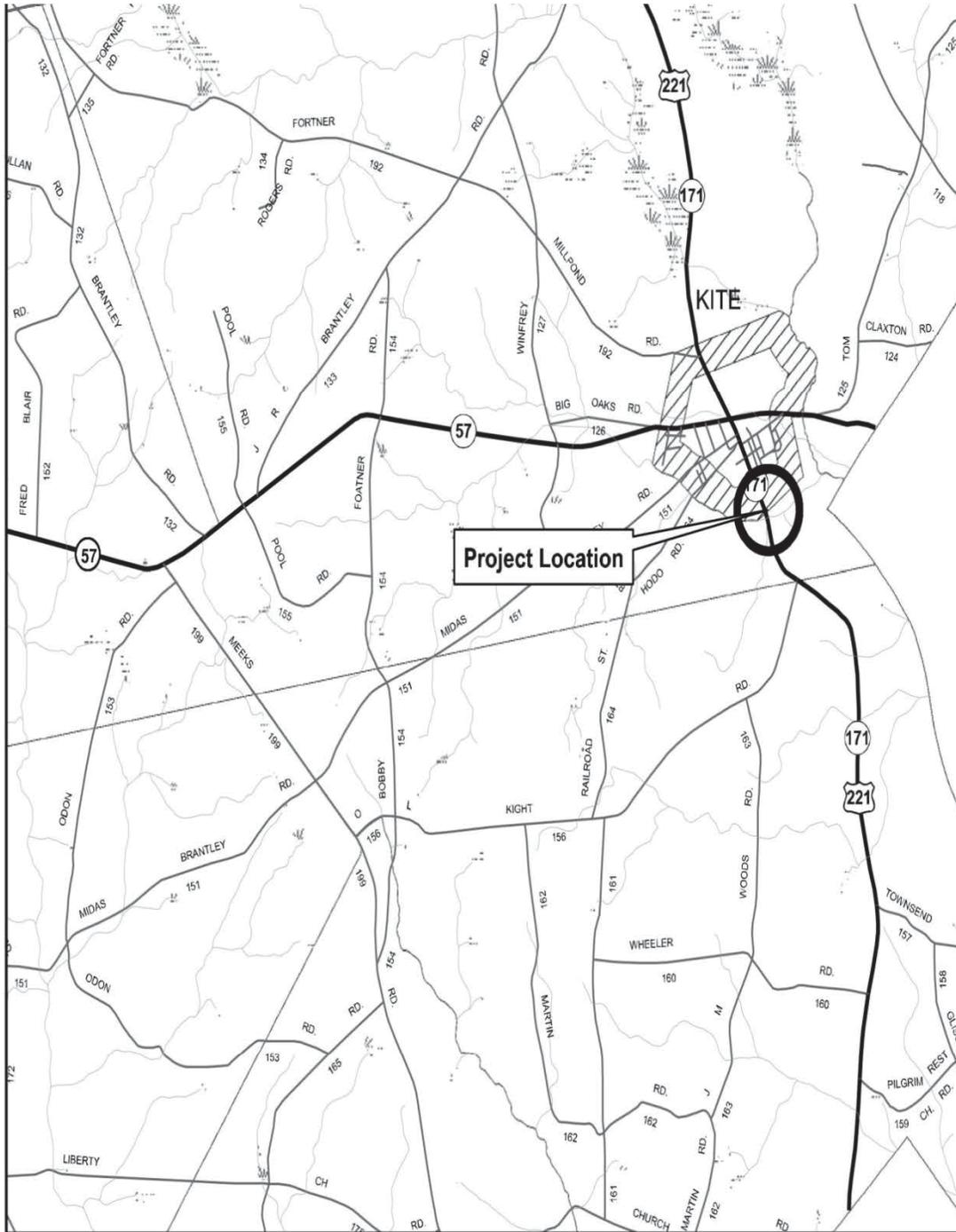
1. Sketch map(s)
2. Cost Estimate(s)
3. Detour public information open house (PIOH) synopsis

**APPROVALS**

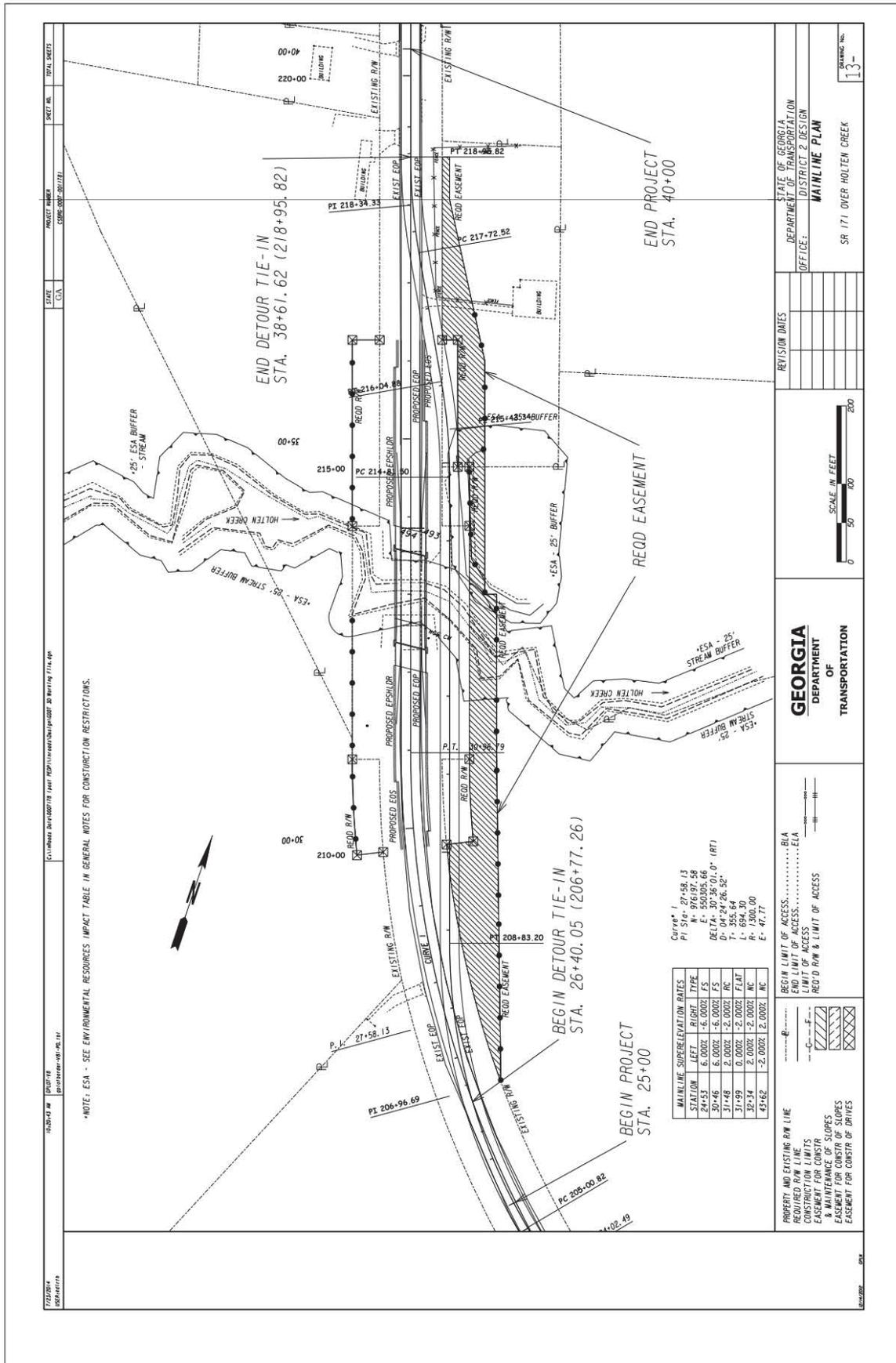
Concur:   
Director of Engineering

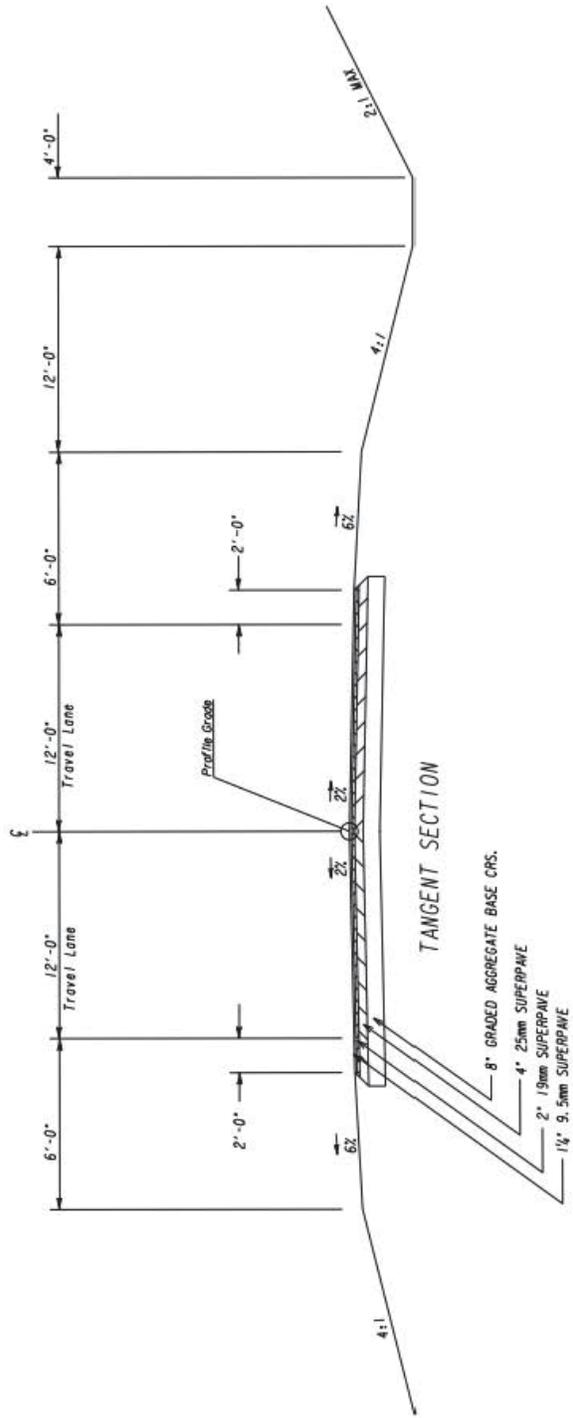
Approve:   
Chief Engineer

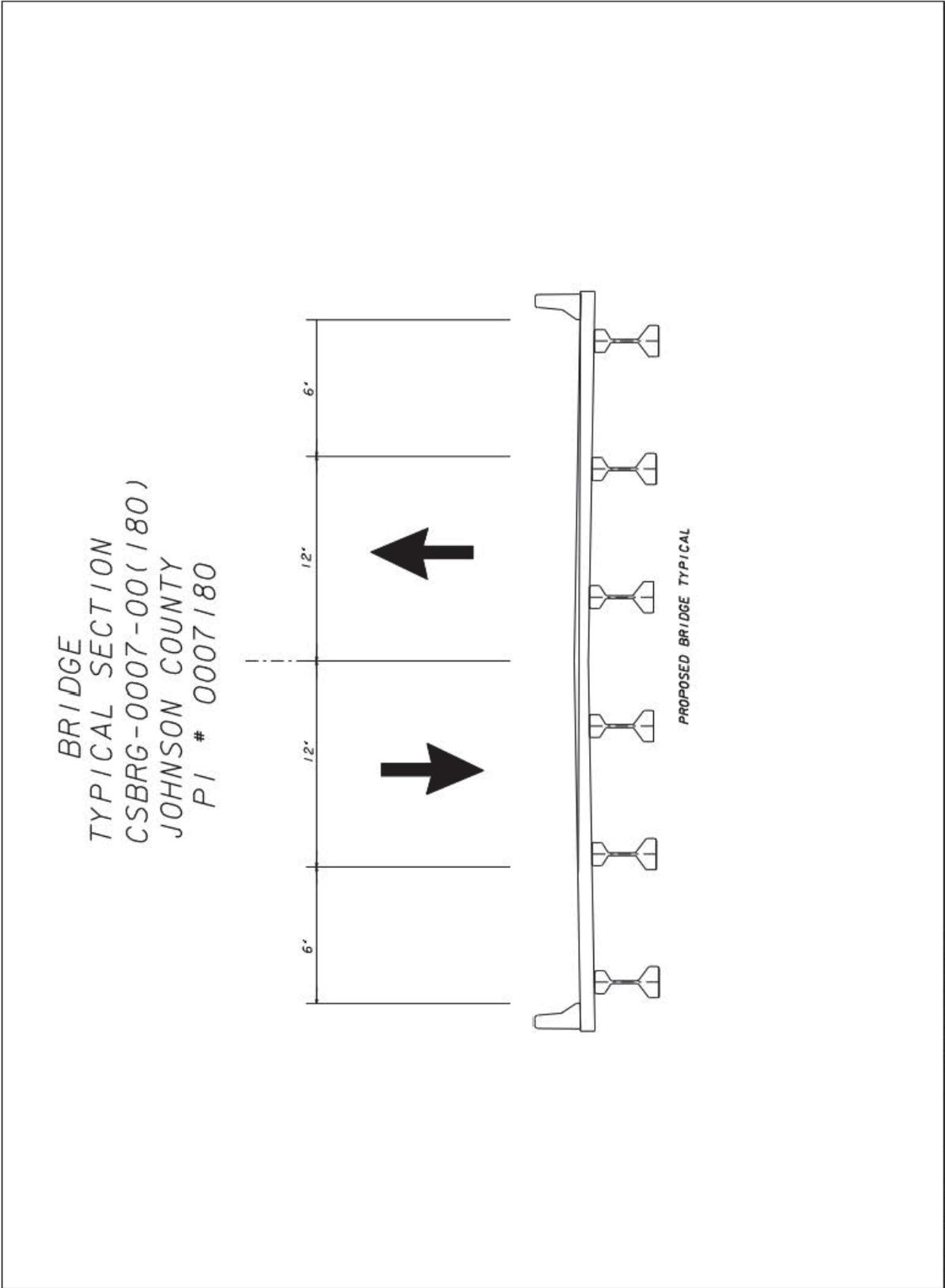
10/26/14  
Date



**LOCATION MAP**  
**CSBRG-0007-00 (178) Johnson**  
**SR 171 at Holton Creek**  
**0.6 Mile South of Kite**







**TOTALS FOR JOB 0007178 PREFALT**

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<b>ITEMS COST:</b>	<b>\$1,529,254.80</b>
<b>COST GROUP COST:</b>	<b>\$0.00</b>
<b>ESTIMATED COST:</b>	<b>\$1, 529,254.80</b>
<b>CONTINGENCY PERCENT:</b>	<b>0.07</b>
<b>ENGINEERING AND INSPECTION:</b>	<b>0.05</b>
<b>ESTIMATED COST WITH CONTINGENCY AND E&amp;I:</b>	<b>\$1,712,765.38</b>
<b>AC ADJUSTMENT</b>	<b>\$29,863.69</b>
<b>TOTAL</b>	<b>\$1,742,629.07</b>

Processed Date: 10/8/14

### DETAILED COST ESTIMATE



**Job: 0007178\_KWD**

**JOB NUMBER** 0007178\_KWD

**FED/STATE PROJECT NUMBER** CSBRG-0007-00(178)

**SPEC YEAR:** 13

**DESCRIPTION:** SR 171 BRIDGE REPLACEMENT OVER HOLTON CREEK

ALTERNATE 3B: MAINTAIN 2 LANES IN STAGE 1 AND SINGLE LANE IN

**ITEMS FOR JOB 0007178\_KWD**

**10 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$50,000.00000	TRAFFIC CONTROL - CSBRG-0007-00(178)	\$50,000.00
0010	153-1300	1.000	EA	\$71,962.93326	FIELD ENGINEERS OFFICE TP 3	\$71,962.93
0015	207-0203	50.000	CY	\$4,430.09020	FOUND BK FILL MATL, TP II	\$221,504.51
0020	210-0100	1.000	LS	\$25,500.00000	GRADING COMPLETE - CSBRG-0007-00(178)	\$25,500.00
0025	310-1101	780.000	TN	\$33.46953	GR AGGR BASE CRS, INCL MATL	\$26,106.23
0030	318-3000	25.000	TN	\$31.16817	AGGR SURF CRS	\$779.20
0309	402-1812	35.000	TN	\$104.58882	RECYL AC LEVELING, INC BM&HL	\$3,660.61
0315	402-3103	400.000	TN	\$89.03377	REC AC 9.5 MM SP, TP II, GP2, INCL BM & H L	\$35,613.51
0320	402-3121	325.000	TN	\$82.46378	RECYL AC 25MM SP, GP1/2, BM&HL	\$26,800.73
0325	402-3190	825.000	TN	\$84.74409	RECYL AC 19 MM SP, GP 1 OR 2, INCL BM&HL	\$69,913.87
0330	413-1000	300.000	GL	\$3.21638	BITUM TACK COAT	\$964.91
0060	433-1200	257.000	SY	\$135.69339	REF CONC APPR SL/I SLOPED EDGE	\$34,873.20
0065	436-1000	800.000	LF	\$7.44420	ASPH CONC CURB - 6 IN	\$5,955.36
0070	441-0303	4.000	EA	\$1,604.82500	CONC SPILLWAY, TP 3	\$6,419.30
0075	446-1100	430.000	LF	\$3.84275	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	\$1,652.38
0080	456-2015	1.000	GLM	\$5,189.90607	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	\$5,189.91
0115	634-1200	12.000	EA	\$104.68518	RIGHT OF WAY MARKERS	\$1,256.22
0120	641-1100	84.000	LF	\$56.81616	GUARDRAIL, TP T	\$4,772.56
0125	641-1200	716.000	LF	\$17.82432	GUARDRAIL, TP W	\$12,762.21
0130	641-5001	2.000	EA	\$674.64198	GUARDRAIL ANCHORAGE, TP 1	\$1,349.28
0135	641-5012	2.000	EA	\$1,913.38953	GUARDRAIL ANCHORAGE, TP 12	\$3,826.78
0140	643-8200	1000.000	LF	\$1.57631	BARRIER FENCE (ORANGE), 4 FT	\$1,576.31
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$612,440.01</b>

**20 - PERMANENT EROSION CONTROL**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0310	603-7000	500.000	SY	\$2.97671	PLASTIC FILTER FABRIC	\$1,488.36
0150	700-6910	7.000	AC	\$811.93447	PERMANENT GRASSING	\$5,683.54
0155	700-7000	21.000	TN	\$66.12517	AGRICULTURAL LIME	\$1,388.63
0160	700-8000	22.000	TN	\$553.38114	FERTILIZER MIXED GRADE	\$12,174.39
0165	700-8100	700.000	LB	\$2.54357	FERTILIZER NITROGEN CONTENT	\$1,780.50
0170	711-0100	265.000	SY	\$4.00000	TURF REINFORCING MATTING, TP 1	\$1,060.00
0175	716-2000	2500.000	SY	\$1.28707	EROSION CONTROL MATS, SLOPES	\$3,217.68
<b>SUBTOTAL FOR PERMANENT EROSION CONTROL:</b>						<b>\$26,793.10</b>

Processed Date: 10/8/14

### DETAILED COST ESTIMATE



Job: 0007178\_KWD

#### 30 - TEMPORARY EROSION CONTROL

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0180	163-0232	21.000	AC	\$277.62182	TEMPORARY GRASSING	\$5,830.06
0185	163-0240	150.000	TN	\$157.59713	MULCH	\$23,639.57
0190	163-0300	2.000	EA	\$1,160.72462	CONSTRUCTION EXIT	\$2,321.45
0195	163-0520	200.000	LF	\$13.97149	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$2,794.30
0200	163-0528	100.000	LF	\$3.90084	CONSTR AND REM FAB CK DAM -TP C SLT FN	\$390.08
0205	163-0529	100.000	LF	\$3.31515	CNST/REM TEMP SED EAR OR BLD STRW CK DM	\$331.52
0210	165-0030	1500.000	LF	\$0.80921	MAINT OF TEMP SILT FENCE, TP C	\$1,213.82
0215	165-0041	100.000	LF	\$1.75412	MAINT OF CHECK DAMS - ALL TYPES	\$175.41
0220	165-0071	50.000	LF	\$2.28527	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$114.26
0225	165-0101	2.000	EA	\$511.96391	MAINT OF CONST EXIT	\$1,023.93
0230	167-1000	2.000	EA	\$400.45375	WATER QUALITY MONITORING AND SAMPLING	\$800.91
0235	167-1500	12.000	MO	\$605.67385	WATER QUALITY INSPECTIONS	\$7,268.09
0240	171-0030	3000.000	LF	\$3.06049	TEMPORARY SILT FENCE, TYPE C	\$9,181.47
<b>SUBTOTAL FOR TEMPORARY EROSION CONTROL:</b>						<b>\$55,084.87</b>

#### 40 - SIGNING AND MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	636-1020	22.000	SF	\$14.67818	HWY SGN,TP1MAT,REF_ SH TP3	\$322.92
0250	636-1033	18.000	SF	\$18.90806	HWY SIGNS, TP1MAT,REFL SH TP 9	\$340.35
0255	636-2070	48.000	LF	\$6.96482	GALV STEEL POSTS, TP 7	\$334.31
0260	636-2090	30.000	LF	\$7.71413	GALV STEEL POSTS, TP 9	\$231.42
0265	652-5301	2034.000	LF	\$0.26349	SOLID TRAF STRIPE, 6 IN, WHITE	\$535.94
0270	652-5451	2034.000	LF	\$0.22239	SOLID TRAF STRIPE, 5 IN, WHITE	\$452.34
0285	654-1001	60.000	EA	\$5.21123	RAISED PVMT MARKERS TP 1	\$312.67
0280	657-1085	532.000	LF	\$6.37729	PRF PL SD PVT MKG 8,B/W,TP PB	\$3,392.72
0275	657-6085	532.000	LF	\$5.97334	PRF PL SD PVMT MKG 8,B/Y,TPPB	\$3,177.82
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$9,100.49</b>

#### 50 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0290	540-1102	1.000	LS	\$64,896.00000	REM OF EX BR, BR NO - 1 (96-FT X 26-FT X \$26)	\$64,896.00
0295	543-9000	1.000	LS	\$423,900.00000	CONSTR OF BRIDGE COMPLETE - 1 (39.25-FT X 120-FT X \$90)	\$423,900.00
0300	603-2024	500.000	SY	\$55.31331	STN DUMPED RIP RAP, TP 1, 24	\$27,656.66
<b>SUBTOTAL FOR BRIDGE:</b>						<b>\$516,452.66</b>

#### 60 - DETOUR

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0335	310-1101	1254.000	TN	\$31.95499	GR AGGR BASE CRS, INCL MATL	\$40,071.56
0340	402-3103	191.000	TN	\$93.74046	REC AC 9.5 MM SP,TP11,GP2, INCL BM & H L	\$17,904.43
0345	402-3121	633.000	TN	\$78.27574	RECYL AC 25MM SP,GPI/2,BM&HL	\$49,548.54
0350	402-3190	306.000	TN	\$92.58252	RECYL AC 19 MM SP,G <sup>3</sup> 1 OR 2 ,INC BM&HL	\$28,330.25
0355	413-1000	221.000	GL	\$3.29815	BITUM TACK COAT	\$728.89
0360	570-1000	1.000	LS	\$172,800.00000	CONST/MAIN/REM DET DR STR, NO- 1 (120-FT X 24 - FT X \$60)	\$172,800.00
<b>SUBTOTAL FOR DETOUR:</b>						<b>\$309,383.67</b>

Processed Date: 10/8/14

### DETAILED COST ESTIMATE



Job: 0007178\_KWD

**TOTALS FOR JOB 0007178\_KWD**

ITEMS COST:	\$1,529,254.80
COST GROUP COST:	\$0.00
ESTMATED COST:	\$1,529,254.80
CONTINGENCY PERCENT:	0.07
ENGINEERING AND INSPECTION:	0.05
ESTMATED COST WITH CONTINGENCY AND E&I:	\$1,712,765.38

PROJ. NO. CSBRG-0007-00(178) CALL NO. 9/29/2009  
 P.I. NO. 0007178  
 DATE 9/22/2014

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Sep-14	\$ 3.335
DIESEL		\$ 3.765
LIQUID AC		\$ 618.00

Link to Fuel and AC Index:  
<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

**LIQUID AC ADJUSTMENTS**

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

**Asphalt**

Price Adjustment (PA)					<b>29385.9</b>	\$	<b>29,385.90</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	988.80			
Monthly Asphalt Cement Price month project let (APL)			\$	618.00			
Total Monthly Tonnage of asphalt cement (TMT)					79.25		

ASPHALT	Tons	%AC	AC ton
Leveling	35	5.0%	1.75
12.5 OGFC		5.0%	0
12.5 mm		5.0%	0
9.5 mm SP	400	5.0%	20
25 mm SP	325	5.0%	16.25
19 mm SP	825	5.0%	41.25
	<b>1585</b>		<b>79.25</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)					\$	<b>477.79</b>	\$	<b>477.79</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	988.80				
Monthly Asphalt Cement Price month project let (APL)			\$	618.00				
Total Monthly Tonnage of asphalt cement (TMT)					1.288530277			

Bitum Tack

Gals	gals/ton	tons
300	232.8234	1.28853028

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)					\$	<b>0</b>	\$	<b>-</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	988.80				
Monthly Asphalt Cement Price month project let (APL)			\$	618.00				
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
					0

**TOTAL LIQUID AC ADJUSTMENT** \$ **29,863.69**

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P.I. #0007178 **OFFICE** Environmental Services

**DATE** September 29, 2014

**FROM**   
Hiral Patel, P.E., State Environmental Administrator

**TO** Bruce Anderson, Project Manager

**SUBJECT** Preliminary Mitigation Cost Estimate

As requested by your office, we are furnishing you with a preliminary cost estimate for the subject project. This project will replace the bridge on S.R. 171 over Holten Creek south of Kite, Georgia in Johnson County. After reviewing the information provided, the proposed project could have the potential to impact jurisdictional waters of the U.S. In addition, mitigation credits could be required. The preliminary estimate cost for the credits is \$29,000.

**DISCLAIMER:** The information provided is based solely on a desktop review of the information available. Once the ecology survey has been conducted a more detailed and accurate cost be estimated.

If you have any questions or need additional information, please contact Lisa Westberry (404) 631-1772 of our office.

HP/HDC/lmw

cc: General File

GEORGIA DEPARTMENT OF TRANSPORTATION  
 PRELIMINARY ROW COST ESTIMATE SUMMARY

Date: 9/22/2014 Project: CSBRG-00078-00(180)  
 Revised: County: Johnson Preferred 1  
 PI: 0007178

Description: SR-171@Holton Creek 0.6 MI S of Kite  
 Project Termini: SR-171@Holton Creek 0.6 MI S of Kite

Existing ROW: Varies  
 Required ROW: Varies  
 Parcels: 6

Land and Improvements \$31,200.00

Proximity Damage	\$0.00
Consequential Damage	\$0.00
Cost to Cures	\$0.00
Trade Fixtures	\$0.00
Improvements	\$12,000.00

Valuation Services \$22,500.00

Legal Services \$41,550.00

Relocation \$12,000.00

Demolition \$0.00

Administrative \$52,000.00

TOTAL ESTIMATED COSTS \$159,250.00

**TOTAL ESTIMATED COSTS (ROUNDED) \$160,000.00**

Preparation Credits	Hours	Signature

Prepared By: Jathone Alexander CG#: 286999 09/22/2014 (ATE)  
 Approved By: Jathone Alexander CG#: 286999 09/22/2014 (ATE)

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** CSBRG-0007-00(178) Johnson County P.I. No. 0007178 - SR 171 @ Holton Creek  
**OFFICE** Tennille  
**DATE** October 2, 2014

**FROM**   
James L. Lindsey, District Utilities Engineer

**TO** Albert Shelby, State Program Delivery Engineer  
**ATTN** Bruce Anderson, Project Manager

**SUBJECT** UPDATED UTILITY COST ESTIMATE

As requested by your office, we are furnishing you with an updated Utility Cost Estimate for each known utility facility within the project limits.

<b>FACILITY OWNER</b>	<b>NON-REIMBURSABLE</b>	<b>REIMBURSABLE</b>
PINELAND TELEPHONE	\$61,200.00	\$0.00
THE CITY OF KITE	\$20,500.00	\$0.00
WASHINGTON EMC	\$36,000.00	\$0.00

Total Non-Reimbursable Cost: \$117,700.00

Total Reimbursable Cost: \$0.00

Total Potential Relocation Cost: \$117,700.00

This estimate is based on 1<sup>st</sup> Submission plans dated September 24, 2014.

If you have any questions, please contact Matthew Sammons at 478-552-4637.

JLL/MS

cc: Mike Bolden, State Utilities Engineer  
Jun Birnkammer, State Utilities Preconstruction Engineer  
Yulonda Pride-Foster, Utilities Preconstruction Engineer  
Angela Robinson, Office of Financial Management  
Daniel Smith, Area Engineer, Area 2

## DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

### INTERDEPARTMENT CORRESPONDENCE

FILE: P. I. No. 0007178 and 0007180 OFFICE: Environmental Services  
DATE: September 18, 2013

FROM Glenn Bowman, P.E., State Environmental Administrator *GB/PA*

TO Distribution Below

SUBJECT DETOUR PUBLIC INFORMATION OPEN HOUSE SYNOPSIS

PROJECT Nos. & COUNTY: CSBRG-0007-00(178)(180), Johnson

PROJECT DESCRIPTION: SR 171 Bridge Replacement over Holten Creek  
SR 171 Bridge Replacement over the Little Ohooppee River

DATE OF MEETING: 9/17/13

NUMBER IN ATTENDANCE: 63

FOR	AGAINST	CONDITIONAL	UNCOMMITTED
0	18	6	0

OFFICIALS ATTENDANCE: IN 5 - Shawn Wombles, Johnson Co. EMS Director; Anthony Abridge, Johnson Co. Sheriff's Office; L. Guy Singletary, Johnson Co. Administrator; Jay F. Winfrey, Johnson Co. Schools; Melissa Kirby, City of Kite Mayor

ADDITIONAL COMMENTS: Overriding concern from attendees was that temporary or "run-around" bridge should be used instead of detours only. Both the local government and the community members voiced concern that detours would be relatively long (7 - 13 miles), which could cause delays for police, fire, EMS and school services.

PREPARED BY: P. Paul Alimia

TELEPHONE No.: (404) 631-1353  
EMAIL ADDRESS: palimia@dot.ga.gov

cc: Russell McMurry, P.E.  
Jimmy Smith, P.E.  
Bruce Anderson  
Genetha Rice-Singleton  
Neil O'Brien  
Vonda Everett  
Cissy McNure

James L. McAfee Jr.  
*Chairman*  
Jack Foskey  
*Vice-Chairman*

Jerronney Darrisaw  
Larry Pope  
Felice Pullen



L. Guy Singletary  
*County Administrator*

Matthew Waters  
*County Attorney*



### JOHNSON COUNTY BOARD OF COMMISSIONERS

September 9, 2013

Mr. Glenn Bowman  
P.E. State Environmental/Location Engineer  
Georgia Department of Transportation  
600 West Peachtree Street, NW-16<sup>th</sup> Floor  
Atlanta, Georgia 30308

**RE: Highway 211 Bridge Replacements**

Mr. Bowman:

This letter is in reference to the upcoming bridge replacement projects on Highway 221 North and South of Kite. We have reviewed the detour plans, which do not have an onsite detour, and have strong concerns about the ability of our public safety vehicles to respond to calls in an adequate amount of time. The area in question is a very rural area and does not have an adequate route that would be sufficient for public safety vehicles. All public safety vehicles would be forced to go several miles out of the way to respond to calls in this area. Response time is a very critical element in ensuring that we are providing a sufficient level of service to the citizens of Johnson County.

We have met with our area GDOT office in Tennille, and have been assured that our concerns will be considered, but it is very important that this matter be thoroughly reviewed to ensure that public safety concerns are considered.

If you have any questions for me about our concerns, please contact me at 478-864-3388. We want to be involved in the final decision on these project detours, so please do not hesitate to call.

Sincerely,

A handwritten signature in cursive script, appearing to read "L. Guy Singletary".

L. Guy Singletary  
County Administrator

**Rusty Oxford, Sheriff**  
Johnson County  
230 Donoham-Harrison Road  
Wrightsville, Georgia 31096  
Phone (478) 864-4003/4006  
Fax (478) 864-2944

②

September 10, 2013

To whom it may concern,

In reference to the State's proposal of bridge construction on Hwy 221N and Hwy 221S, I would like to express my concern for the safety of Johnson County's residents and visitors. Hwy 221 is a heavy traffic route through our county. Most of the travelers do not know exact locations or addresses and children and some adults cannot give proper directions. Therefore, in an emergency situation, the deputies run the possibility of taking the wrong route to get to the scene. If the deputy goes to Kite and the emergency is south of the bridge on 221S, it is approximately thirteen (13) miles to get around. If they go to Kite and the emergency is north of the bridge on 221N, it is approximately seven (7) miles around. In the same situation, if the deputy is north of the bridge on 221N and has to get south of the 221S bridge, it is approximately 21 miles out of the way to get to the emergency call. With this being said, response time for our deputies to reach an emergency situation could increase seven (7) to twenty one (21) minutes. This is a dangerous situation when seconds could mean a human life.

We at the Johnson County Sheriff's Office ask that other avenues be researched other than closing both bridges and being routed around.

Sincerely,

*Rusty Oxford*  
Rusty Oxford, Sheriff

Johnson County Sheriff's Office



To Protect And To Serve

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JOHNSON COUNTY  
EMERGENCY MANAGEMENT AGENCY  
6785 EAST COLLEGE ST.  
WRIGHTSVILLE, GA.31096  
478-864-9759

Glenn Bowman  
Georgia Dept. of Transportation  
600 West Peachtree Street N.W.  
16<sup>th</sup> Floor  
Atlanta, Ga. 30308

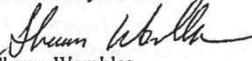
Mr. Bowman

Recently our agency was informed by local media of a planned maintenance project on the eastern side of our county. We were informed of the planned closure of U.S. Hwy 221 at the Gumlog Bridge near Swain's Creek Road and the bridge at Holtens Creek on the South Limits of the City of Kite. We have been informed that this project could take anywhere from 6 months to 1 year to complete depending on the weather.

Sir, Our agency is deeply concerned about this project. We have residents on both sides of these bridges that will be in great danger should the need arise for public safety agencies to respond. For example if you have someone who lives on the north side of the Gumlog bridge and they need a fire truck or ambulance the responding agency will have to travel into Jefferson County, depending on where the resident is located could be a 6-10 mile detour, which would delay the response time tremendously. Time, as you know, is very important in a Life threatening emergency. If someone goes into cardiac arrest irreversible brain damage begins at 6 – 10 minutes. If the emergency is a structure fire, a home can be fully involved in 10- 15 minutes, depending on the construction. Our normal response to a structure fire includes a 3,000 gallon tanker to be in compliance with I.S.O. requirements. It would be impossible to get to our residents with these tankers without detouring through another county either Emanuel or Jefferson. Again, this is another 6- 10 mile detour. Looking at the maps we have 152 homes (752 citizens) on the North side of Gumlog Bridge that would be affected and 149 homes (729 citizens) on the South side of the Holtens Creek Bridge. In either case the alternate route or routes First Responders would have to take would increase our normal response time by 10- 15 minutes. Then they have to travel another detour to get to the nearest Hospital which is located in Swainsboro. This would almost guarantee a loss of life in a life threatening emergency.

We understand that temporary bridges are not a solution your Department likes to use because of the financial costs and the environmental concerns. I do ask of you to consider the following question, Can you put a price tag on a human life? My answer would be NO. I urge you to please reconsider the planned detour and consider the Public Safety impact of these 2 bridges being replaced with no way of reaching our citizens without tremendously impacting our response time.

Thanks for your time

  
Shawn Wombles  
EMA Director/ Fire Chief  
Johnson County EMA/Fire /Rescue  
478-290-9378 cell