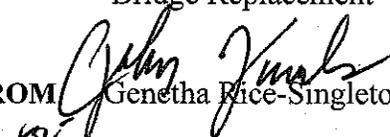


**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0007392, Morgan County **OFFICE** Preconstruction  
CSBRG-0007-00(392)  
CR 514/Old Buckhead Road over North Sugar Creek-  
Bridge Replacement **DATE** September 10, 2008

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction  
**TO** *ra* SEE DISTRIBUTION

**SUBJECT APPROVED 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  
Tony Collins  
Paul Liles  
George Brewer  
Sean Bush  
BOARD MEMBER

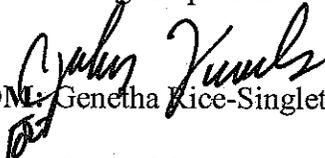
**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENTAL CORRESPONDENCE**

**FILE:** P.I. No. 0007392, Morgan County  
CSBRG-0007-00(392)  
CR 154/Old Buckhead Road over North Sugar Creek -  
Bridge Replacement

**OFFICE:** Preconstruction

**DATE:** August 27, 2008

**FROM:**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO:** Gerald M. Ross, P.E., Chief Engineer

**SUBJECT: PROJECT CONCEPT REPORT**

This project is the replacement of a structurally deficient bridge on CR 154/Old Buckhead Road over North Sugar Creek, 2.6 miles east of Madison, Georgia. The existing bridge, constructed in 1950, is a 38'x 29.30' concrete structure with a sufficiency rating of 49. County Road 154 at this location is a rural two lane roadway with 12' lanes, and 6' rural shoulders (2' paved). County Road 154 is classified as a rural local road. The base year traffic (2011) along this section of CR 154 is 2342 VPD. The design year (2031) volumes are projected to be 4230 VPD. The posted and proposed speed design is 55 MPH.

The project proposes to construct a new 110'x 40' concrete bridge over North Sugar Creek at the existing bridge site. The approaches will consist of two, 12' lanes with 6' rural shoulders (2' Paved). The existing bridge will be closed to traffic during construction. Morgan County will be responsible for the signing and maintenance or detour routes.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; an offsite detour PIOH will be held; Time saving procedures is appropriate.

The estimated costs for this project are:

	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 1,386,000	\$ 3,561,000	L110	LR
Right-of-way & Utilities	Local	Local	Local	Local

\* Morgan County signed PFA for right-of-way and utilities 11-6-06

P.I. No. 0007394, Morgan County  
Page 2  
August 27, 2008

I recommend this project concept be approved.

GRS: JDQ  
Attachment

CONCUR

*Keneth Rice-Dyke to Prector*  
\_\_\_\_\_  
Director of Preconstruction

APPROVED

*Gerald M. Ross*  
\_\_\_\_\_  
Gerald M. Ross, P.E., Chief Engineer

## Quarles, Johnny

---

To: Bush, Sean  
Subject: RE: Proposed Bridge Policy

Peter:

I just talked to Johnny Quarles. He said that there is a proposed bridge policy that would change the width of these bridges. He said that even though this policy has not yet been approved, Gerald Ross has requested that we revise these concepts to agree. Ted has provided the following information:

PI Number	County	Future Traffic (AADT)	Speed Design	Route Type	Proposed Bridge Width	Proposed Travel Lanes	Proposed Bridge Width	Bridge Width in Concept
7392	Morgan	4230 (2031)	55mph	County Road	TW+16	24	40	40
7393	Morgan	337 (2031)	55mph	County Road	TW+4	22	26	28
7394	Morgan	822 (2031)	55mph	County Road	TW+6	22	28	30
7395	Morgan	540 (2031)	55mph	County Road	TW+6	22	28	30

Mr. Quarles has asked that we do the following:

- Revise the cost estimate using the new bridge widths
- Use 5% for Engineering
- Use 12% for Contingency

He said to only submit a cost estimate. The concepts are OK as is. If you'll email me a PDF of them, I'll forward them on to Mr. Quarles.

Let me know if you have any questions or find any errors in my chart above.

Thanks.

Ted:

Please see the chart below for the data you requested. Let me know if you need anything else.

PI Number	County	Future Traffic (AADT)	Speed Design	Route Type	Proposed Bridge Width
0007392	Morgan	4230 (2031)	55mph	County Road	TW+16
0007393	Morgan	337 (2031)	55mph	County Road	TW+4
0007394	Morgan	822 (2031)	55mph	County Road	TW+6
0007395	Morgan	540 (2031)	55mph	County Road	TW+6

Thanks.

PRECONSTRUCTION STATUS REPORT FOR DISTRICT 2

CR 154/ OLD BUCKHEAD RD @ NORTH SUGAR CREEK

PROJ ID: 0007392  
 COUNTY: Morgan  
 LENGTH: 0.30  
 PROJ NO.: CSBRG-0007-00(392)  
 PROJ MGR: Bush, Sean  
 OFFICE: District 2  
 CONSULTANT: GDOT  
 SPONSOR: GDOT  
 DESIGN FIRM: Kimley-Horn and Associates, Inc.

MGMT LET DATE: Dec-09  
 MGMT ROW DATE: 15-Dec-08  
 DOT DIST: 2  
 CONG. DIST: 10  
 BIKE: N  
 MEASURE: E  
 UTILITY EST:  
 CST EST. DATE: 4/16/2008  
 RW EST. DATE:  
 SCHED LET DATE: Oct-11  
 WHO LETS?: GDOT Let  
 LET WITH:

BRIDGE SUFF RTG: 49.26

ROW	Approved:	LOCL	Proposed:	LOC	PRECST
CST	LR	LR	LR	L110	PRECST
PE Authorized Amt:		\$600,000.00		Date:	10/26/2006
ROW Authorized Amt:				Date:	
CST Authorized Amt:				Date:	
Approved:		LOCL	Proposed:	50,000.00	LOC
Approved:		LR	Proposed:	3,561,295.75	L110
		PROGRAMMED FUNDS			

District Comments  
 D2 to manage FY-07 'Conventional' Cons Contract (CAH) 031306 12/4/07 NTP issued to Kimley-Horn 4/1/08 Upd Cst Est, CST=\$1,649,568  
 Needs Score:

Sched Start	Sched Finish	Activity	Actual Start	Actual Finish	%
6/20/2008	6/25/2008	Define Project Concept	3/20/2008		57
7/8/2008	7/8/2008	Concept Meeting			0
7/23/2008	8/26/2008	Concept Submittal and Review			0
8/27/2008	9/9/2008	Receive Preconstruction Concept Approval			0
9/9/2008	9/9/2008	Management Concept Approval Complete			0
9/24/2008	9/24/2008	Public Information Open House Held			0
9/10/2008	4/15/2009	Environmental Approval			0
9/25/2008	10/29/2008	Field Surveys/SDE			0
10/30/2008	12/16/2009	Preliminary Plans			0
3/5/2009	8/26/2009	Preliminary Bridge Design			0
9/10/2008	10/15/2008	Underground Storage Tanks			0
1/15/2009	4/1/2009	404 Permit Obtainment			0
1/7/2010	1/8/2010	PFPR Inspection			0
2/15/2010	5/7/2010	R/W Plans Preparation			0
7/5/2010	7/8/2010	R/W Plans Final Approval			0
2/15/2010	2/17/2010	L & D Report Development and Approval			0
7/9/2010	8/30/2011	R/W Acquisition			0
2/15/2010	2/24/2010	Soil Survey			0
2/15/2010	3/22/2010	Bridge Foundation Investigation			0
2/18/2010	1/20/2011	Final Design			0
3/19/2010	10/28/2010	Final Bridge Plans Preparation			0
2/11/2011	2/14/2011	FFPR Inspection			0
2/28/2011	3/11/2011	FFPR Response			0

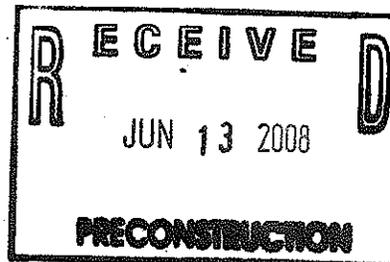
MPD: Not Urban  
 TIP #: NETWORK YR:  
 TYPE WORK: Bridges  
 PROG TYPE: Replacement  
 CONCEPT: BR REPL  
 BOND PROJ:

STATUS MEETING NOTES  
 Concept: Pavement Design  
 Env: \_\_\_\_\_  
 R/W Plans: \_\_\_\_\_  
 Utility Plans: \_\_\_\_\_  
 Soils/BFI: \_\_\_\_\_  
 Comments: SM&S

BRIDGE REQUIRED  
 (K-H) Trat & NP Apprvd. Working twrds Concept.  
 CE/NotApvd/OnScedr/WUpdated2-5-08/JK  
 LGPA AGREEMENT SGN MORGAN DO ROW & UTILITIES 11-6-06.

PREL. PARCEL CT: TOTAL PARCELS IN ROW SYSTEM: ACQ BY: LOC MGR:  
 UNDER-REVIEW: RELEASED: OPT-PEND: COND-PEND: COND-FILED: RELOC: ACQUIRED: RW CERT:

Project Concept Report Page 1  
Project Number: CSBRG-0007-00(392)  
P. I. Number: 0007392  
County: Morgan



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

District 2 Design  
**PROJECT CONCEPT REPORT**  
Project Number: CSBRG-0007-00(392)  
County: Morgan  
P. I. Number: 0007392

Federal Route Number: N/A  
State Route Number: N/A  
County Route Number: 154

Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek

Recommendation for approval:

DATE 05-28-08

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

DATE 5/28/08

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environment/Location Engineer

DATE 6-9-08

  
\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge Design Engineer

Project Concept Report Page 1  
Project Number: CSBRG-0007-00(392)  
P. I. Number: 0007392  
County: Morgan

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

District 2 Design  
**PROJECT CONCEPT REPORT**  
Project Number: CSBRG-0007-00(392)  
County: Morgan  
P. I. Number: 0007392

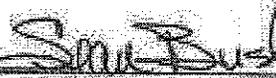
Federal Route Number: N/A  
State Route Number: N/A  
County Route Number: 154

Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek

Recommendation for approval:

DATE 05-28-08

DATE 3/23/08

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environment/Location Engineer

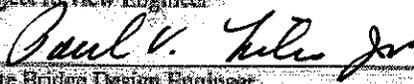
DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE 6/20/08

  
\_\_\_\_\_  
State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE: P.I. No. 0007392**

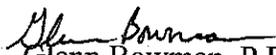
**OFFICE: Environment/Location**

**PROJECT No. CSBRG-0007-00(392) / MORGAN  
County**

**DATE: 6/17/08**

**Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek**

**FROM:**

  
Glenn Bowman, P.E., State Environmental/Location Engineer

**TO:**

Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT REVIEW**

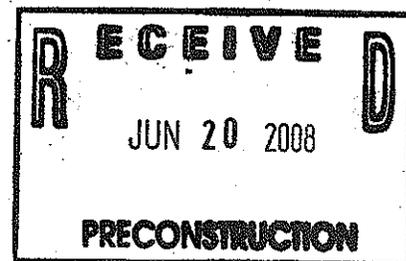
The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. One potential historic structure is located approximately 2000 feet south of the bridge and west of the road. One potentially significant archaeological site is located 2000 feet north of the bridge and east of the road. The bridge is recommended Not Eligible for the National Register in the Updated GHBS.
2. This project is currently scheduled for December 2008 ROW. It appears little to no Environmental work has been completed at this time. Since it is imperative to have the CE approved at least six (6) months prior to ROW authorization, this project does not appear to be on schedule and it should be rescheduled. A detour PIOH will need to be held prior to submittal of the CE to FHWA.
3. If Morgan County is responsible for purchasing ROW, they are also responsible for purchasing 404 mitigation.

If you have any questions, please contact Glenn Bowman at (404) 699-4401.

GB:lc

cc: Brian Summers  
Jamie Simpson  
Keith Golden  
Angela Alexander  
Tony Collins  
Paul Liles



Project Concept Report Page 1  
Project Number: CSBRG-0007-00(392)  
P. I. Number: 0007392  
County: Morgan

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

District 2 Design

**PROJECT CONCEPT REPORT**

Project Number: CSBRG-0007-00(392)

County: Morgan

P. I. Number: 0007392

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 154

Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek

Recommendation for approval:

DATE 05-28-08

DATE 5/28/08

  
\_\_\_\_\_  
Project Manager  
  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE 6/18/08

  
\_\_\_\_\_  
State Environment/Location Engineer

DATE \_\_\_\_\_

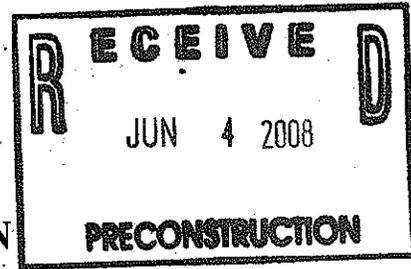
\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge Design Engineer



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

FILE: CSBRG-0007-00(392), Morgan County  
PI No. 0007392  
Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek

OFFICE: District 2 Design  
DATE: May 27, 2008

FROM: Sean Bush, District Design Squad Leader  
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction  
SUBJECT: Project Concept Report

Attached is the original copy of the Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP). If any further assistance is needed, please contact Sean Bush at (478) 552-4641.

*Distribution:*

*Brian Summers, P.E., Project Review Engineer  
Glenn Bowman, P.E, State Environment/Location Engineer  
Keith Golden, P.E., State Traffic Safety and Design Engineer  
Angela Alexander, State Transportation Planning Administrator  
Jamie Simpson, State Transportation Financial Management Administrator  
Paul Liles, P.E, State Bridge Design Engineer*

OFF-SITE

Project Concept Report Page 1  
Project Number: CSBRG-0007-00(392)  
P. I. Number: 0007392  
County: Morgan

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

District 2 Design  
**PROJECT CONCEPT REPORT**  
Project Number: CSBRG-0007-00(392)  
County: Morgan  
P. I. Number: 0007392

Federal Route Number: N/A  
State Route Number: N/A  
County Route Number: 154

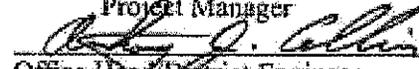
Bridge Replacement on CR 154/Old Buckhead Road over North Sugar Creek

Recommendation for approval:

DATE 05-28-08

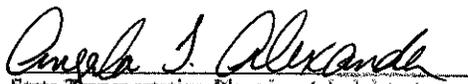
  
\_\_\_\_\_  
Project Manager

DATE 5/28/08

  
\_\_\_\_\_  
Office Head/District Engineer

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

DATE 6/3/08

  
\_\_\_\_\_  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environment/Location Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Traffic Safety and Design Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
State Bridge Design Engineer

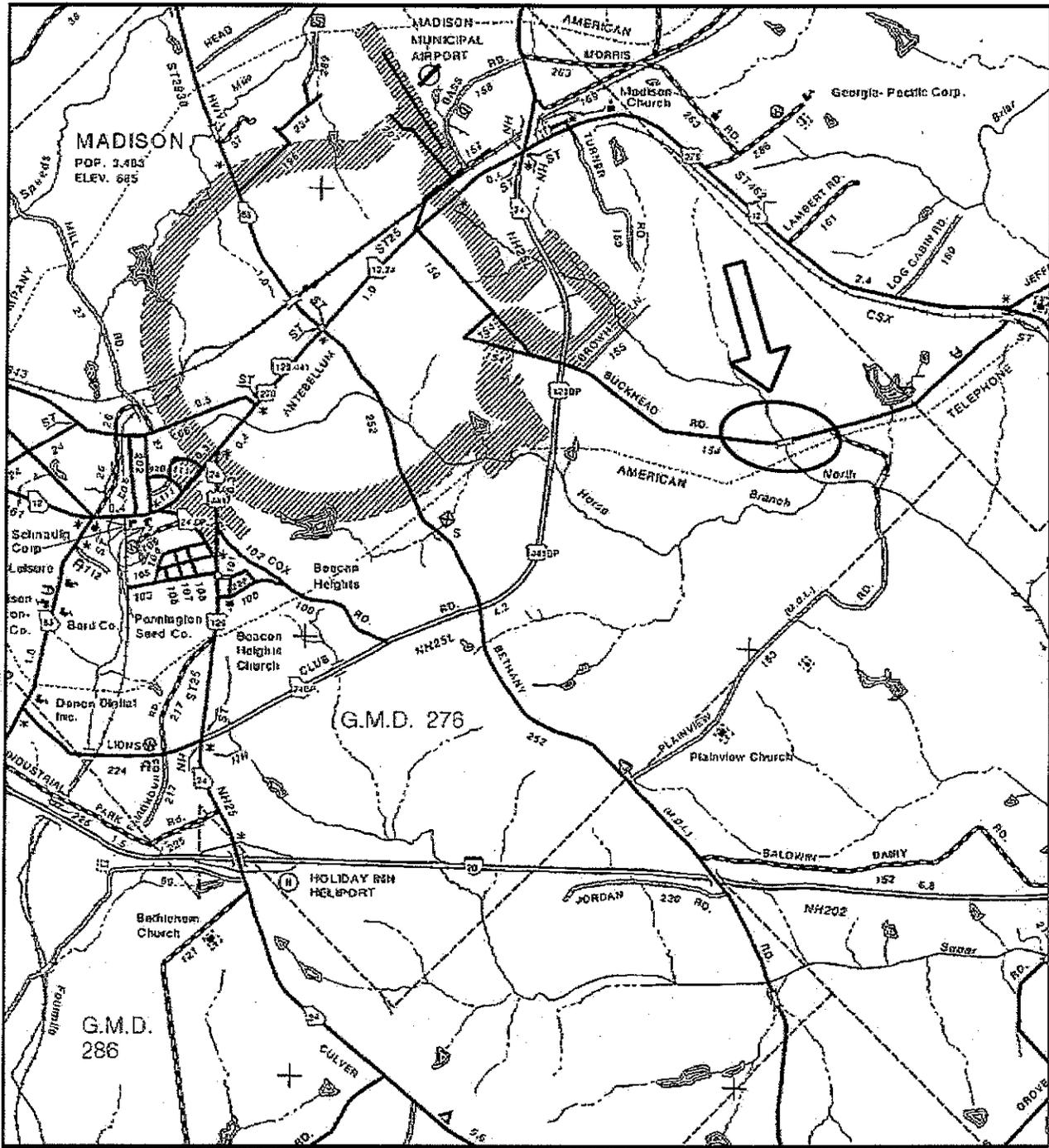


FIGURE # 1  
PROJECT # CSBRG-0007-00(392)  
MORGAN COUNTY  
PI # 0007392  
CR 154/OLD BUCKHEAD ROAD  
AT NORTH SUGAR CREEK

PROJECT LOCATION MAP

### **Need and Purpose**

Project Number CSBRG-0007-00(392) will replace the structurally deficient bridge located on CR 154/Old Buckhead Road over North Sugar Creek in Morgan County. The bridge over North Sugar Creek is located approximately 2.6 miles east of Madison. The Georgia Department of Transportation Maintenance Office has inspected this bridge and the condition of the bridge deck, superstructure and structural components have contributed to the overall bridge sufficiency rating. The operating load rating for this bridge is below standard limits and the bridge is presently posted as load limited.

The bridge over North Sugar Creek was constructed in 1950 and has a sufficiency rating of 49.26. Per GDOT TOPPS 2405-1, Title 23 CFR Section 650, Subpart D, and the Federal Aid Policy Guide allows for bridges on the current HBRRP Selection List to be replaced if they have a Sufficiency Rating below 50.

CR 154/Old Buckhead Road is functionally classified as a Rural Local Road and is designated as a school bus route. The posted speed limit along CR 154/Old Buckhead Road is 55 mph. The Average Daily Traffic (ADT) has been projected to be 2342 in 2011 and 4230 in 2031 with 2 percent trucks. Based on the ADT, the level of service for CR 154/Old Buckhead Road is expected to be LOS B for current and projected conditions. There are no other projects within the immediate project area that are in the Department's Construction Work Program. CR 154/Old Buckhead Road is neither on the National Highway System nor in the Georgia Bicycle Statewide Network. Sidewalks are not proposed on the new bridge. Replacing this bridge will satisfy current design standards and increasing the bridge width to current standards, placing guardrail on the bridge approaches and adding barrier wall along the bridge will improve the operation and safety of this roadway.

**Description of the proposed project:** Project CSBRG-0007-00(392) is a bridge replacement project of the existing bridge located in Morgan County on CR 154/Old Buckhead Road over North Sugar Creek, approximately 2.6 miles east of Madison. The gross total project length is approximately 1600 feet, beginning at M.P. 1.25 and extending to M.P. 1.55. The purpose of this project is to replace the structurally deficient and functionally obsolete bridge on CR 154/Old Buckhead Road over North Sugar Creek, because it has a Sufficiency Rating of only 49.26. The proposed North Sugar Creek Bridge will be a 110-foot long bridge located on the existing alignment. During construction of the proposed bridge, traffic will be maintained on an offsite detour.

**Is the project located in a Non-attainment area?** .....Yes ..... No.

**PDP Classification:** Major \_\_\_\_\_ Minor:

**Federal Oversight:** Full Oversight ( ), Exempt() , State Funded( ), or Other ( )

**Functional Classification:** Rural Local Road

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

**County Route Number:** 154

**Traffic (AADT):**

Current Year: (2011) 2342 Design Year: (2031) 4230

**Existing design features:**

- Typical Section: The existing typical section consists of two 12-foot lanes, 2-foot paved shoulders and 4-foot grassed shoulders.
- Posted speed: 55 mph
- Minimum radius for curve: 2000'
- Maximum super-elevation rate for curve: 6%
- Maximum grade: 2.5% (East), 3.5% (West)
- Width of right-of-way: 80 feet
- Major structures: The existing North Sugar Creek Bridge is 38 feet long, with a 29.30-foot wide concrete deck and a sufficiency rating of 49.26.
- Major interchanges or intersections along the project: None
- This project is located 100% within Morgan County.

**Proposed Design Features:**

- Proposed typical section(s): The proposed typical section will consist of two 12-foot travel lanes, 2-foot paved shoulders and 4-foot grassed shoulders.
- Proposed Design Speed: 55 mph
- Proposed Maximum grade Mainline: 4%
- Maximum grade allowable: 6%
- Proposed Maximum grade Side Street: N/A
- Maximum grade allowable: N/A
- Proposed Maximum grade driveway: 11%
- Proposed Minimum radius of curve: 2000'

- Minimum radius allowable: 1060'
- Right-of-Way
  - Width: 100 feet- total
  - Easements: Temporary ( ), Permanent (X), Utility ( ), Other ( ).
  - Type of access control: Full ( ), Partial ( ), By Permit ( ), Other (X).
  - Number of parcels: 6                      Number of displacements:
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - Bridges: The proposed concrete bridge will be <sup>40'</sup>~~30'~~ feet wide (gutter to gutter) and approximately 110 feet long, consisting of two 12'-0" travel lanes and 8'-0" shoulders. Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: CR 154/Old Buckhead Road will be closed during the construction of the proposed bridge and traffic will be maintained on an offsite detour. The local government will be responsible for providing the offsite detour.
- Design Exceptions to controlling criteria anticipated:

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	( )	( )	(X)
ROADWAY WIDTH:	( )	( )	(X)
SHOULDER WIDTH:	( )	( )	(X)
VERTICAL GRADES:	( )	( )	(X)
CROSS SLOPES:	( )	( )	(X)
STOPPING SIGHT DISTANCE:	( )	( )	(X)
SUPERELEVATION RATES:	( )	( )	(X)
HORIZONTAL CLEARANCE:	( )	( )	(X)
SPEED DESIGN:	( )	( )	(X)
VERTICAL CLEARANCE:	( )	( )	(X)
BRIDGE WIDTH:	( )	( )	(X)
BRIDGE STRUCTURAL CAPACITY:	( )	( )	(X)

- Design Variances: A design variance will be needed on this project for the shoulder width. GDOT Policy states that a local road, 50 mph or greater, should have a shoulder width of 10 feet (6.5 feet paved). An 6-foot shoulder (2-foot paved) will be used on this project to match the existing roadway.
- Environmental concerns: Anticipate Section 404 Permit. There are no obvious environmental concerns, pending special studies and early coordination responses. Do not anticipate any UST, hazardous waste, historical, archeological, etc. impacts. An offsite detour PIOH will be required to notify the public of the upcoming road closure for construction.
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes (X), No ( ),
  - Categorical exclusion (X),
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ( ), or
  - Environmental Impact Statement (EIS) ( ).

- Utility involvements:
  - Power- Walton EMC
  - Phone - AT & T

**VE Study Required:**      Yes ( )      No (X)

**Project responsibilities:**

- Design: Consultant (Kimley-Horn and Associates, Inc.)
- Right-of-Way Acquisition: Morgan County
- Relocation of Utilities: GDOT, District 2 Utilities
- Letting to contract: GDOT- Contract Administration
- Supervision of construction: GDOT, District 2, Madison Area Office
- Providing material pits: Contractor as specified in contract
- Providing detours: Morgan County- The local government will be required to provide notification of the road closure and any detour signage.

**Coordination**

- Initial Concept Meeting date and brief summary. Attach minutes.
- Concept meeting date and brief summary. Attach minutes.
- P A R meetings, dates and results: N/A
- FEMA, USCG, and/or TVA: N/A- FEMA coordination will not be required for this project.
- Other projects in the area: N/A
- Railroads: N/A
- Local Government Commitments: The local government will be asked to relocate any facilities that they own. They will be responsible for the purchasing of right of way and providing detours.
- Other coordination to date: None

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 12 Months.
- Time to complete right-of-way plans: 1 Month.
- Time to complete the Section 404 Permit: 6 Months.
- Time to complete final construction plans: 6 Months.
- Time to complete the purchase of right-of-way: 6 Months.
- List other major items that will affect the project schedule: N/A

**Other alternates considered:** (1) Construct proposed bridge on existing alignment using an onsite detour to maintain traffic on CR 154/Old Buckhead Road over North Sugar Creek. (2) Permanent realignment of CR 154/Old Buckhead Road and construction of new bridge over North Sugar Creek, while maintaining traffic on the existing alignment. (3) Temporarily close CR 154/Old Buckhead Road and construct new bridge on existing alignment, using an offsite detour to maintain traffic for CR 154/Old Buckhead Road. (4) No Build.

**Comparison Summary of Concepts 1-4**

## Estimate Report for file "0007392"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSBRG-0007-00(392)	50000.00
210-0100	Lump	LS	275000.00	GRADING COMPLETE - CSBRG-0007-00(392)	275000.00
310-1101	2200	TN	21.65	GR AGGR BASE CRS, INCL MATL	47630.00
318-3000	100	TN	24.43	AGGR SURF CRS	2443.00
402-3121	1200	TN	63.14	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	75768.00
402-3140	250	TN	88.84	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	22210.00
402-3192	350	TN	81.96	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	28686.00
413-1000	200	GL	1.89	BITUM TACK COAT	378.00
433-1000	267	SY	152.34	REINF CONC APPROACH SLAB	40674.78
441-0204	400	SY	35.69	PLAIN CONC DITCH PAVING, 4 IN	14276.00
441-0303	4	EA	2240.31	CONC SPILLWAY, TP 3	8961.24
446-1100	1500	LF	2.90	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	4350.00
446-2118	80	LF	5.00	HIGH STRENGTH PVMT REINF FABRIC, 18 IN WIDTH	400.00
550-2180	160	LF	29.54	SIDE DRAIN PIPE, 18 IN, H 1-10	4726.40
550-3518	8	EA	856.33	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	6850.64
603-2181	500	SY	39.48	STN DUMPED RIP RAP, TP 3, 18 IN	19740.00
603-7000	500	SY	5.06	PLASTIC FILTER FABRIC	2530.00
641-1100	90	LF	44.07	GUARDRAIL, TP T	3966.30
641-1200	800	LF	15.72	GUARDRAIL, TP W	12576.00
641-5001	2	EA	627.58	GUARDRAIL ANCHORAGE, TP 1	1255.16
641-5012	2	EA	1813.66	GUARDRAIL ANCHORAGE, TP 12	3627.32
643-0010	3000	LF	5.07	FIELD FENCE WOVEN WIRE	15210.00
<b>Section Sub Total:</b>					<b>\$641,258.84</b>

Section EROSION CONTROL- PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	4	AC	1071.92	PERMANENT GRASSING	4287.68
700-7000	12	TN	60.17	AGRICULTURAL LIME	722.04
700-7010	10	GL	21.73	LIQUID LIME	217.30
700-8000	4	TN	295.96	FERTILIZER MIXED GRADE	1183.84
700-8100	400	LB	2.47	FERTILIZER NITROGEN CONTENT	988.00
710-9000	250	SY	4.57	PERMANENT SOIL REINFORCING MAT	1142.50
716-2000	3000	SY	1.14	EROSION CONTROL MATS, SLOPES	3420.00
<b>Section Sub Total:</b>					<b>\$11,961.36</b>

Section EROSION CONTROL- TEMPORARY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	730.32	TEMPORARY GRASSING	2190.96
163-0240	150	TN	182.09	MULCH	27313.50
163-0300	4	EA	1731.88	CONSTRUCTION EXIT	6927.52
163-0520	500	LF	16.89	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	8445.00
163-0522	80	EA	98.93	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE A SILT FENCE	7914.40
165-0010	2000	LF	0.81	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	1620.00
165-0030	200	LF	1.46	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	292.00
165-0040	80	EA	100.99	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	8079.20
165-0101	8	EA	566.34	MAINTENANCE OF CONSTRUCTION EXIT	4530.72
167-1000	2	EA	1111.79	WATER QUALITY MONITORING AND SAMPLING	2223.58
167-1500	9	MO	938.90	WATER QUALITY INSPECTIONS	8450.10
171-0010	2000	LF	1.68	TEMPORARY SILT FENCE, TYPE A	3360.00
171-0030	200	LF	3.91	TEMPORARY SILT FENCE, TYPE C	782.00
<b>Section Sub Total:</b>					<b>\$82,128.98</b>

<b>Section SIGNING &amp; MARKING ITEMS</b>					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	34	SF	15.06	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	512.04
636-2070	50	LF	8.15	GALV STEEL POSTS, TP 7	407.50
652-5451	3000	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, WHITE	540.00
652-5452	3000	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	540.00
657-1054	220	LF	4.84	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1064.80
657-6054	220	LF	4.90	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1078.00
<b>Section Sub Total:</b>					<b>\$4,142.34</b>

<b>Section BRIDGE ITEMS</b>					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
111-1111	Lump	Lump Sum	352000.00	CONSTRUCT BRIDGE COMPLETE- <del>110+50</del> <b>110+38</b> FT - STA. 110+50	352000.00
540-1101	Lump	LS	75000.00	REMOVAL OF EXISTING BR, STA NO - 110+50	75000.00
603-2024	300	SY	54.72	STN DUMPED RIP RAP, TP 1, 24 IN	16416.00
603-7000	300	SY	5.23	PLASTIC FILTER FABRIC	1569.00
<b>Section Sub Total:</b>					<b>\$444,985.00</b>

**Total Estimated Cost: \$1,184,476.52**

<b>Subtotal Construction Cost</b>	<b>\$1,184,476.52</b>
E&C Rate 17 %	\$201,361.01
Inflation Rate 0.0 % @ 0 Years	\$0.00
<hr/>	
<b>Total Construction Cost</b>	<b>\$1,385,837.53</b>
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
<hr/>	
<b>Grand Total Project Cost</b>	<b>\$1,385,837.53</b>

UTILITY COST ESTIMATE						
PROJECT #	COUNTY	PROJECT DESCRIPTION			P.I. NUMBER	LAYOUT DATE
CSBRG-0007-00 (392)	Morgan	CR 154/Old Buckhead Road @ North Sugar Creek			0007392	3/14/2008
REIMBURSABLE QUANTITY	NON-REIMBURSABLE QUANTITY	UNITS	ITEM DESCRIPTION	UNIT PRICE	PRIVATE UTILITY COST	PUBLIC UTILITY COST
			<b>POWER</b>			
			<b>GEORGIA POWER COMPANY</b>	\$\$\$\$\$\$		
			GPC has aerial distribution facilities located along the South side of CR 154 within the existing Right of Way throughout the project limits that should not be eligible for reimbursement. Information for this estimate was gathered by an on-site inspection by Jamie Lindsey of the District 2 Utilities Office.			
			<b>WATER</b>		\$0.00	
			<b>NONE</b>			
			<b>SEWER</b>			
			<b>NONE</b>			
			<b>TELEPHONE</b>			
			<b>AT&amp;T GEORGIA</b>			
			AT&T Georgia has buried facilities located along the South side of CR 154 within the existing Right of Way throughout the project limits that should not be eligible for reimbursement. Information for this estimate was gathered by an on-site inspection by Jamie Lindsey of the District 2 Utilities Office.			
			<b>GAS</b>		\$0.00	
			<b>NONE</b>			
<b>TOTAL ESTIMATED UTILITY COSTS</b>					<b>\$0.00</b>	
Estimate Prepared By: Jamie Lindsey- Assistant District Utilities Engineer					<b>DATE:</b>	24-Mar-08
					<b>REVISED:</b>	
					<b>REVISED:</b>	
					<b>REVISED:</b>	

Unit Costs are based on former "Force Account Agreements" and the Department of Transportation's "Mean Item Index"

The information above is an estimate and is subject to change as project plans are developed and prior rights research has been performed.

\* The Local Government that owns these facilities may seek financial assistance or reimbursement for these relocation costs.

## Estimate Report for file "0007392(CSBRG-0007-00(392)) Alternative 1"

Section Temporary Detour					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
541-0001	Lump	LS	132000.00	DETOUR BRIDGE - 110*40	132000.00
999-0001	Lump	Lump Sum	350000.00	Construct and Remove Temporary Detour	350000.00
<b>Section Sub Total:</b>					<b>\$482,000.00</b>

Section EROSION CONTROL- PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	4	AC	1071.92	PERMANENT GRASSING	4287.68
700-7000	12	TN	60.17	AGRICULTURAL LIME	722.04
700-7010	10	GL	21.73	LIQUID LIME	217.30
700-8000	4	TN	295.96	FERTILIZER MIXED GRADE	1183.84
700-8100	400	LB	2.47	FERTILIZER NITROGEN CONTENT	988.00
710-9000	250	SY	4.57	PERMANENT SOIL REINFORCING MAT	1142.50
716-2000	3000	SY	1.14	EROSION CONTROL MATS, SLOPES	3420.00
<b>Section Sub Total:</b>					<b>\$11,961.36</b>

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSBRG-0007-00(392)	50000.00
210-0100	Lump	LS	275000.00	GRADING COMPLETE - CSBRG-0007-00(392)	275000.00
310-1101	2200	TN	21.65	GR AGGR BASE CRS, INCL MATL	47630.00
318-3000	100	TN	24.43	AGGR SURF CRS	2443.00
402-3121	1200	TN	63.14	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	75768.00
402-3140	250	TN	88.84	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	22210.00
402-3192	350	TN	81.96	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	28686.00
413-1000	200	GL	1.89	BITUM TACK COAT	378.00
433-1000	267	SY	152.34	REINF CONC APPROACH SLAB	40674.78
441-0204	400	SY	35.69	PLAIN CONC DITCH PAVING, 4 IN	14276.00
441-0303	4	EA	2240.31	CONC SPILLWAY, TP 3	8961.24
446-1100	1500	LF	2.90	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	4350.00
446-2118	80	LF	5.00	HIGH STRENGTH PVMT REINF FABRIC, 18 IN WIDTH	400.00
541-0001	Lump	LS	201132.83	DETOUR BRIDGE -	201132.83
550-2180	160	LF	29.54	SIDE DRAIN PIPE, 18 IN, H 1-10	4726.40
550-3518	8	EA	856.33	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	6850.64
603-2181	500	SY	39.48	STN DUMPED RIP RAP, TP 3, 18 IN	19740.00
603-7000	500	SY	5.06	PLASTIC FILTER FABRIC	2530.00
641-1100	90	LF	44.07	GUARDRAIL, TP T	3966.30
641-1200	800	LF	15.72	GUARDRAIL, TP W	12576.00
641-5001	2	EA	627.58	GUARDRAIL ANCHORAGE, TP 1	1255.16
641-5012	2	EA	1813.66	GUARDRAIL ANCHORAGE, TP 12	3627.32
643-0010	3000	LF	5.07	FIELD FENCE WOVEN WIRE	15210.00
<b>Section Sub Total:</b>					<b>\$842,391.67</b>

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
111-1111	Lump	Lump Sum	506000.00	CONSTRUCT BRIDGE COMPLETE- 110 FT X 40 FT - STA. 110+50	506000.00
540-1101	Lump	LS	75000.00	REMOVAL OF EXISTING BR, STA NO - 110+50	75000.00
603-2024	300	SY	54.72	STN DUMPED RIP RAP, TP 1, 24 IN	16416.00
603-7000	300	SY	5.23	PLASTIC FILTER FABRIC	1569.00
<b>Section Sub Total:</b>					<b>\$598,985.00</b>

**Section EROSION CONTROL- TEMPORARY**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	730.32	TEMPORARY GRASSING	2190.96
163-0240	150	TN	182.09	MULCH	27313.50
163-0300	4	EA	1731.88	CONSTRUCTION EXIT	6927.52
163-0520	500	LF	16.89	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	8445.00
163-0522	80	EA	98.93	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE A SILT FENCE	7914.40
165-0010	2000	LF	0.81	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	1620.00
165-0030	200	LF	1.46	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	292.00
165-0040	80	EA	100.99	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	8079.20
165-0101	8	EA	566.34	MAINTENANCE OF CONSTRUCTION EXIT	4530.72
167-1000	2	EA	1111.79	WATER QUALITY MONITORING AND SAMPLING	2223.58
167-1500	9	MO	938.90	WATER QUALITY INSPECTIONS	8450.10
171-0010	2000	LF	1.68	TEMPORARY SILT FENCE, TYPE A	3360.00
171-0030	200	LF	3.91	TEMPORARY SILT FENCE, TYPE C	782.00
<b>Section Sub Total:</b>					<b>\$82,128.98</b>

**Section SIGNING & MARKING ITEMS**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	34	SF	15.06	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	512.04
636-2070	50	LF	8.15	GALV STEEL POSTS, TP 7	407.50
652-5451	3000	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, WHITE	540.00
652-5452	3000	LF	0.18	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	540.00
657-1054	220	LF	4.84	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	1064.80
657-6054	220	LF	4.90	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	1078.00
<b>Section Sub Total:</b>					<b>\$4,142.34</b>

**Total Estimated Cost: \$2,021,609.35**

**Subtotal Construction Cost \$2,021,609.35**

E&C Rate 10.0 % \$202,160.94

Inflation Rate 0.0 % @ 0 Years \$0.00

---

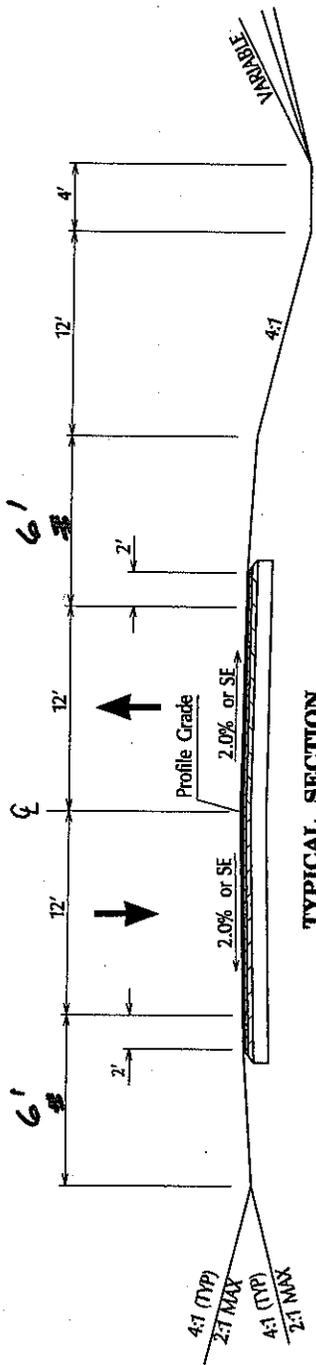
**Total Construction Cost \$2,223,770.28**

Right Of Way \$0.00

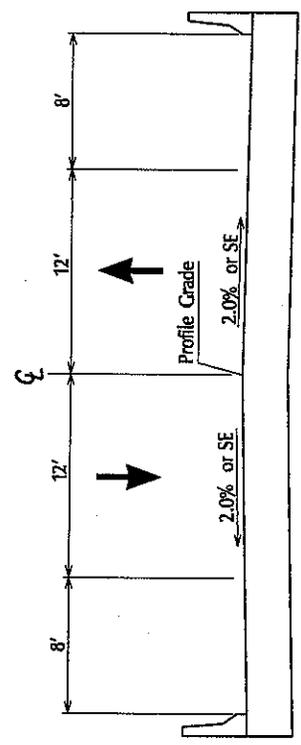
ReImb. Utilities \$0.00

---

**Grand Total Project Cost \$2,223,770.28**



**TYPICAL SECTION**  
 STA. 102+50 TO STA. 110+05  
 STA. 111+15 TO STA. 118+50  
 N.T.S.



**BRIDGE TYPICAL SECTION**  
 STA. 110+05 TO STA. 111+15  
 N.T.S.

KDP  
 8/25/2008

STATE OF GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE:	REVISION DATES
	TYPICAL SECTION CSBRG-0007-001.392.1
KIMLEY-HORN AND ASSOCIATES, INC. ENGINEERS, ARCHITECTS, AND PLANNERS 5100 BUCKLE UP DRIVE NORCROSS, GEORGIA 30071	5-01

Bridge Inventory Data Listing  
Georgia Department of Transportation.

Structure ID: 211-5032-0		Morgan		SUFF. RATING: 49.26	
<b>Location &amp; Geography</b>			<b>Signs &amp; Attachments</b>		
* Structure ID:	211-5032-0	*104 Highway System:	0	225 Expansion Joint Type:	00
200 Bridge Information:	06	*26 Functional Classification:	09	242 Deck Drains:	0
*6A Feature Int:	NORTH SUGAR CREEK	*204 Federal Route Type:	0 No. 00000	243 Parapet Location:	0.00
*6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
*7A Route Number Carried:	CRO0154	*110 Truck Route:	0	Width:	0.00
*7B Facility Carried:	BUCKHEAD ROAD	206 School Bus Route:	1	238 Curb Height:	0.9
*9 Location:	2.6 MIE OF MADISON	217 Benchmark Elevation:	0000.00	Curb Material:	1
2 DOT District:	2	218 Datum:	0	239 Handrail:	0 0
207 Year Photo:	2006	*19 Bypass Length:	05	*240 Median Barrier Rail:	0
*91 Inspection Frequency:	24 Date: 8/30/2006	*20 Toll:	3	241 Bridge Median Height:	0.0
92A Fract Crit Insp Freq:	00 Date: 2/1/1901	*21 Maintenance:	02	* Bridge Median Width:	0.0
92B Underwater Insp Freq:	00 Date: 2/1/1901	*22 Owner:	02	230 Guardrail Loc. Dir. Rear:	0
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	*31 Design Load:	0	Fwd:	0
*4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
*5 Inventory Route (O/U):	1	205 Congressional District:	09	Oppo. Fwd:	0
Type:	4	27 Year Constructed:	1950	244 Approach Slab:	0
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	4
Number:	00154	33 Bridge Median:	0	233 Posted Speed Limit:	55
Direction:	0	34 Skew:	00	236 Warning Sign:	0
*16 Latitude:	33 - 35.2760 HMMS	35 Structure Flared:	0	234 Delineator:	0
Prefix:	83 - 25.4910 HMMS	38 Navigation Control:	0	235 Hazard Boards:	0
*17 Longitude:	Suffix: MP:0.00	213 Special Steel Design:	0	237 Utilities - Gas:	00
98 Border Bridge:	000 % Shared: 00	267 Type of Paint:	1	Water:	00
99 ID Number:	0000000000000000	*42 Type of Service on:	1	Electric:	00
*100 STRAHNET:	0	Type of Service under:	5	Telephone:	00
12 Base Highway Network:	1	214 Movable Bridge:	0	Sewer:	00
13ALRS Inventory Route:	2112015400	203 Type Bridge:	A A M O	247 Lighting - Street:	0
13B Sub Inventory Route:	0	259 Pile Encasement:	3	Navigation:	0
101 Parallel Structure:	N	*43 Structure Type Main:	3 03	Aerial:	0
*102 Direction of Traffic:	2	45 No. Spans Main:	001	*248 County Continuity No.:	00
*264 Road Inventory Mile Post:	001.40	44 Structure Type Appr:	0 00		
*208 Inspection Area:	02 Initials: JTB	46 No. Spans Appr:	0000		
Engineer's Initial:	sgm	226 Bridge Curve Horz:	0 Vert: 0		
		111 Pier Protection:	0		
		107 Deck Structure Type:	1		
* Location I.D. No.:	211-00154X-001.40W	108 Wearing Surface Type:	6		
		Membrane Type:	0		
		Deck Protection:	0		

Structure ID: 211-5032-0

Programming Data		Measurements		Ratings	
201 Project No.:	COUNTY FUNDS	*29 ADT:	000630 Year: 2005	65 Inventory Rating Method:	1
202 Plans Available:	0	109% Trucks:	0	63 Operating Rating Method:	1
249 Prop. Proj. No.:	BRG-0007-00(392)	*28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 12
250 Approval Status:	0 0 0	210 No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 20
251 P.I. No.:	0007392	*48 Max. Span Length:	0038	231 Calculated Loads	
252 Contract Date:	2/1/1901	*49 Structures Length:	38	H-Modified:	10 1
260 Seismic No.:	00000	51 Br. Rwdy. Width:	27.00	HS-Modified:	14 1
75 Type Work:	00 0	52 Deck Width:	29.30	Type 3:	10 1
94 Bridge Imp. Cost:	\$0	*47 Tot. Horiz. Cl:	27.00	Type 3s2:	15 1
95 Roadway Imp. Cost:	\$0	50 Curb / Sidewalk Width:	1.20 / 1.20	Timber:	13 1
96 Total Imp Cost:	\$0	32 Approach Rdwy. Width:	020	Piggyback:	00 0
76 Imp. Length:	000000	*229 Shoulder Width:		251 H Inventory Rating:	07
97 Imp. Year:	0000	Rear Lt:	4.0 Type: 8 Rt: 4.0	262 H Operating Rating:	13
114 Future ADT:	000945 Year: 2025	Fwrd Lt:	4.0 Type: 8 Rt: 4.0	67 Structural Evaluation:	2
		Pavement Width:		58 Deck Condition:	6
		Rear:	20.0 Type: 2	59 Superstructure Condition:	6
		Intersection Rear:	20.0 Type: 2	*227 Collision Damage:	0
		36 Safety Features Br. Rail:	0 Fwrd: 0	60A Substructure Condition:	5
		Transition:	0	60B Scour Condition:	7
		App. G. Rail:	0	60C Underwater Condition:	N
		App. Rail End:	0	71 Waterway Adequacy:	6
		53 Minimum CL Over:	99' 99"	61 Channel Protection Cond.:	6
		Under:	N 00' 00"	68 Deck Geometry:	5
		*228 Minimum Vertical Cl		69 Under Clr. Horiz/Vert:	N
		Act. Odm Dir:	99' 99"	72 Appr. Alignment:	7
		Oppo. Dir:	99' 99"	62 Culvert:	N
		Posted Odm. Dir:	00' 00"		
		Oppo. Dir:	00' 00"	Posting Data	
		55 Lateral Undercl. Rt:	N 0.0	70 Bridge Posting Required:	0
		56 Lateral Undercl. Lt:	0.0	41 Struct Open, Posted, CL:	P
		*10 Max Min Vert Cl:	99' 99" Dir: 0	*103 Temporary Structure:	0
		39 Nav Vert Cl:	000 Horiz: 0000	232 Posted Loads	
		116 Nav Vert Cl Closed:	000	H-Modified:	10
		245 Deck Thickness Main:	7.00	HS-Modified:	14
		Deck Thick. Approach:	0.00	Type 3:	10
		246 Overlay Thickness:	2.00	Type 3s2:	15
		212 Year Last Painted:	Sup: 1950 Sub: 0000	Timber:	13
				Piggyback:	00
				253 Notification Date:	2/1/1901
				258 Fed Notify Date:	2/1/1901
Hydraulic Data					
215 Waterway Data					
Highwater Elev.:	0000.0 Year: 1900				
Flood Elevation:	0000.0 Freq.: 00				
Avg. Streambed Elev.:	0000.0				
Drainage Area:	00000				
Area of Opening:	000000				
113 Scour Critical:	U				
216 Water Depth:	0.5 Br. Height: 12.7				
222 Slope Protection:	0				
221 Spur Dikes Rear:	0 Fwrd: 0				
219 Fender System:	0				
220 Dolphin:	0				
223 Culvert Cover:	000				
Type:	0				
No. Barrels:	0				
Width:	0.00 Height: 0.00				
* Length:	0 Apron: 0				
265 U/W Insp. Area:	0 Diver: ZZZ				
Location I.D. No.:	211-00154X-001.40W				

## MINUTES OF MEETING- Concept Team Meeting

Date: May 13, 2008: 9:30 am

Place: Madison Area Office

Project: CSBRG-0007-00(392-395) Morgan County Bridge Replacements P.I. # 0000392-0000395

Attendees:	Alan Smith	GDOT, District 2 Design Engineer
	Bryan Gibbs	GDOT, District 2, Madison Area Engineer
	Foster Grimes	GDOT, District Design Squad Leader
	Jamie Lindsey	GDOT, Assistant District Utilities Engineer
	Raye Southerland	GDOT, District 2 Traffic Operations
	Lynn Bean	GDOT, District 2 Construction
	Sean Bush	GDOT, District Design Squad Leader
	Jim Kitchings	GDOT, District 2 Environmental
	Peter Coakley	Kimley-Horn and Associates, Inc. (KHA)
	Gary Newton	KHA
	Nina Gailey	KHA

The meeting was run by Peter Coakley and was held to discuss the proposed concepts for each of the bridge replacement projects in Morgan County. A sign in sheet was provided and the attendees introduced themselves. The following items summarize the discussions.

### General Information:

- A Design Variance will be needed for each project to match the existing lane widths and shoulder widths.
- There will be an offsite detour for each project; detours shall be determined by County and will be the responsibility of the County including signing and marking
- Need and Purpose and traffic has been approved for each project

### CSBRG-0007-00(392), CR 154/Old Buckhead Road at North Sugar Creek

Peter Coakley reviewed the Concept Report with the Concept team and reviewed the proposed layout. The following comments were received concerning the Concept Report and Layout.

- Roadway will taper out to tie into bridge; Alan Smith stated that the flare will only be needed on the trailing end of the bridge
- Project begins in middle of existing curve; KHA is to carry SE through the curve and verify that it meets design speed of 55 mph

### CSBRG-0007-00(393), CR 133/Kingston Road at Little Sugar Creek

Peter Coakley reviewed the Concept Report with the Concept team and reviewed the proposed layout. The following comments were received concerning the Concept Report and Layout.

- Historic house along corridor, but should be outside project limits
- Existing Right of Way is unclear at this time
- May need Variance for length of second curve (does not meet design criteria)
- Project should begin either before or after first driveway
- KHA needs to verify that SE meets design speed

- KHA needs to verify bridge lengths (to be done during hydraulic study)
- KHA needs to add fencing item to cost estimate for cattle

**CSBRG-0007-00(394), CR 246/Brownwood Road at Big Indian Creek**

Peter Coakley reviewed the Concept Report with the Concept team and reviewed the proposed layout. The following comments were received concerning the Concept Report and Layout.

- KHA is to fix kink and remove first short curve, which does not meet design criteria
- Cattle may be crossing under bridge; GDOT needs to verify if bridge needs to be raised to allow for cattle crossing
- AT & T Fiber located to the North (need to verify location)
- No utilities on bridge; Power is located just inside Right of Way

**CSBRG-0007-00(395), CR 23/Davis Academy Road at Big Indian Creek**

Peter Coakley reviewed the Concept Report with the Concept team and reviewed the proposed layout. The following comments were received concerning the Concept Report and Layout.

- Project may be impacting property owner (will have 2:1 slopes and guardrail in front yard)
- Existing 960' curve does not meet design speed; Alan Smith suggests flattening out curve to comfortably meet 55 mph (maybe 65 mph) to move away from house and eliminate guardrail
- This may increase costs if rock is present and additional survey will be needed
- Power poles need to be located in the area

**Project Schedule:**

- Environmental – 9 months
- Preliminary Plans – 9 to 12 months (possible time delay to schedule PFPR)
- Right of Way – 1 month
- Section 404 – 6 months
- Final Plans – 6 months
- Purchase Right of Way – 6 months

**Additional Info:**

- Projects are 4 separate contracts and will be Let as Right of Way is approved (County is to buy Right of Way)
- KHA is to send property owner notification letters and coordination letters to Alan Smith and Bryan Gibbs first.
- Field Engineers Office can be removed from Cost Estimate
- Type 1 Rip Rap and Plastic Filter Fabric need to be added to Cost Estimate
- \$90 - \$100 a SF for bridge

The above summarizes the understanding of the KHA attendees at the meeting. Any additions, deletions, or other revisions to these minutes should be brought to the attention of the KHA attendees as soon as possible.

Prepared by: Nina Gailey  
Date: May 13, 2008

**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**CSBRG-0007-00(392), Morgan County**  
**P.I. # 0007392**

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

The date of location approval is **SEPTEMBER 10, 2008.**

Project CSBRG-0007-00(392) begins in Morgan County at Mile Post 1.25 on CR 154, approximately 2.6 miles east of Madison, and ends at Mile Post 1.55. The total project length is 0.30 miles. The proposed project includes the reconstruction of the existing bridge on CR 154/Old Buckhead Road over North Sugar Creek. The proposed typical section consists of two 12-foot travel lanes, 2-foot paved shoulders and 6-foot grassed shoulders. The proposed bridge will be 40 feet wide, gutter to gutter, consisting of two 12-foot lanes and 8-foot paved shoulders. The project is scheduled for Long Range.

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:

Bryan Gibbs, Madison Area Engineer  
[bgibbs@dot.ga.gov](mailto:bgibbs@dot.ga.gov)  
1570 Bethany Road  
Madison, GA 30650  
706-343-5836

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:

George Brewer, District Preconstruction  
Engineer  
District 2  
[gbrewer@dot.ga.gov](mailto:gbrewer@dot.ga.gov)  
801 Highway 15 South PO Box 8  
Tennille, GA 31089-0008  
478-552-4629

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.

**PROJECT:** CSBRG-0007-00(392)  
P.I. # 0007392

**SUBJECT:** Traffic Assignments for C.R. 154/Old Buckhead Road @ North Sugar Creek  
in Morgan County.

We are furnishing estimated Traffic Assignments for the above project as  
shown below:

2008 AADT = 2023  
2011 AADT = 2342  
2031 AADT = 4230  
K = 11.4%  
D = 84%  
T = 2%  
24 HR. T. = 2%  
S.U. = 1.8%  
COMB. = 0.2%

If you have any questions concerning this information please  
contact Peter Coakley at (678) 533-3906.

2/21/2008

## Quarles, Johnny

---

**From:** Bush, Sean  
**Sent:** Tuesday, July 15, 2008 4:15 PM  
**To:** Quarles, Johnny  
**Cc:** Bush, Sean; Grimes, Foster  
**Subject:** FW: Prefabricated Bridges (PI 0007392, 7393, 7394, & 7395 Morgan Co)

Mr. Quarles:

To summarize Ron Grimes, Office of Bridge Design below, prefabricated bridges to this point are usually used in situations where construction time is an issue. Cost savings are minimal due to the specialized personnel needed to perform the work. The clear advantage is construction time, not actual dollars because the production costs of the prefab units offset the lower labor costs. Also, site geometry is typically an issue, requiring straight alignments and moderate grades.

Please let me know if you require any further action on my part.

Thanks.

Sean Bush  
District Design Squad Leader  
**Georgia Department of Transportation**  
District II - Tennille  
Office of Design  
478.552.4641  
[sbush@dot.ga.gov](mailto:sbush@dot.ga.gov) (new email address)

---

**From:** Grimes, Ron  
**Sent:** Tuesday, July 15, 2008 3:05 PM  
**To:** Bush, Sean  
**Subject:** RE: Prefabricated Bridges

Again, we have done very little work in this area so there is no real data to base cost saving on. However from seminars dedicated to this topic, the cost savings were minimal due to the specialized personnel forces needed to perform the work. The clear advantage was construction time, not actual dollars. In other words the production costs of the prefab units offset the lower labor costs of erecting the pre-fab bridges. The clear advantage being the incentive of construction time.

---

**From:** Bush, Sean  
**Sent:** Tuesday, July 15, 2008 2:36 PM  
**To:** Grimes, Ron  
**Cc:** Grimes, Foster  
**Subject:** RE: Prefabricated Bridges

Thanks Ron. Is there a significant cost savings when using a prefab bridge? The Chief Engineer wanted to know if we considered them when developing the concept on four of our county road bridge replacement projects. What pay items would be use for a prefab bridge?

Thanks again.

Sean Bush  
District Design Squad Leader

Prefabricated bridges to this point are usually used in situations where construction time is a issue.(critical routes needed back in use )  
Typically there is an incentive for the contractor to have a bridge in place with a time based constraint. (usually a Bridge wash out or  
A bridge being severely damaged during an extreme event. Site geometry is typically an issue used to determine some uses of prefabricated bridges ,usually straight alignments, moderate grades. As for as maintenance costs goes ,in Georgia there is not enough background information to know about maintenance costs, since there have been limited use of Prefabricated bridges here. Again , the obvious advantage is time , and the  
Cost saving s associated with lower labor cost due to smaller personnel forces needed to assemble the prefab units.

---

**From:** Bush, Sean  
**Sent:** Thursday, July 10, 2008 5:06 PM  
**To:** Grimes, Ron  
**Cc:** Bush, Sean; Grimes, Foster  
**Subject:** Prefabricated Bridges

Ron:

I was wondering if you could shed some light on the use of prefabricated bridges used on county roads. Foster and I have four projects between us that have bridges with the following sizes:

110x40, 140x28, 130x30, & 140x30

We have been asked to consider using a prefab bridge on these projects. Do you know the approximate savings realized by using a prefab bridge? What about maintenance costs? I have heard some say that the maintenance costs of prefab bridges are higher. How does the lifespan compare? If you could provide any additional information, I would appreciate it.

Please hit 'reply to all' since I will be out of the office on Friday.

Thanks.

Sean Bush  
District Design Squad Leader  
**Georgia Department of Transportation**  
District II - Tennille  
Office of Design  
478.552.4641  
[sbush@dot.ga.gov](mailto:sbush@dot.ga.gov) (new email address)

---

Help GDOT serve you better. Visit <http://www.howmyservice.dot.ga.gov> and rate the service you received from Team GDOT.