

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007393, Morgan County **OFFICE** Preconstruction
CSBRG-0007-00(393)
CR 133/Kingston Road over Little Sugar Creek-
Bridge Replacement **DATE** September 10, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction
TO  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

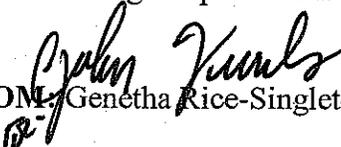
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007393, Morgan County
CSBRG-0007-00(393)
CR 133/Kingston Road over Little 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 133/Kingston Road over Little Sugar Creek, 5.3 miles south of Buckhead, Georgia. The existing bridge, constructed in 1960, is a 96'x 25.10' concrete structure with a sufficiency rating of 27. County Road 133 at this location is a rural two lane roadway with 11' lanes, and 8' rural shoulders (2' paved). County Road 133 is classified as a rural local road. The base year traffic (2011) along this section of CR 133 is 308 VPD. The design year (2031) volumes are projected to be 377 VPD. The posted and proposed speed design is 55 MPH.

The project proposes to construct a new 140'x 26' concrete bridge over Little Sugar Creek at the existing bridge site. The approaches will consist of two, 11' lanes with 8' 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)	\$ 1,296,000	\$ 3,447,000	L110	LR
Right-of-way & Utilities	Local	Local	Local	Local

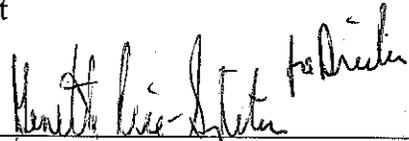
* Morgan County signed PFA for right-of-way and utilities 11-6-06

P.I. No. 0007393, Morgan County
Page 2
August 27, 2008

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR



Director of Preconstruction

APPROVED



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.

Project Concept Report Page 1
Project Number: CSBRG-0007-00(393)
P. I. Number: 0007393
County: Morgan

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 2 Design

PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(393)

County: Morgan

P. I. Number: 0007393

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 133

Bridge Replacement on CR 133/Kingston Road over Little 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 _____

State Environment/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE 6/20/08



State Bridge Design Engineer

Project Concept Report Page 1
Project Number: CSBRG-0007-00(393)
P. I. Number: 0007393
County: Morgan



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 2 Design

PROJECT CONCEPT REPORT
Project Number: CSBRG-0007-00(393)
County: Morgan
P. I. Number: 0007393

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 133

Bridge Replacement on CR 133/Kingston Road over Little 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 _____

State Environment/Location Engineer

DATE 6-9-08



State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Design Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0007393

OFFICE: Environment/Location

PROJECT No. CSBRG-0007-00(393) / MORGAN
County

DATE: 6/17/08

Bridge Replacement on CR 133/Kingston Road over Little Sugar Creek

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

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT: PROJECT CONCEPT REPORT REVIEW

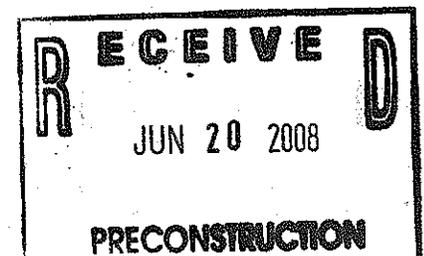
The Concept Report for the above project has been reviewed and appears satisfactory subject to the following comments:

1. A potential historic structure is located approximately 2000 feet east of the bridge. The bridge is listed as Not Eligible for the National Register in the 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 the 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(393)
P. I. Number: 0007393
County: Morgan

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 2 Design

PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(393)

County: Morgan

P. I. Number: 0007393

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 133

Bridge Replacement on CR 133/Kingston Road over Little 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

PRECONSTRUCTION STATUS REPORT FOR DISTRICT 2

CR 133/KINGSTON RD @ LITTLE SUGAR CREEK

PROJ ID: 0007393
COUNTY: Morgan
LENGTH: 0.32
PK/J NO.: CSBRG-0007-00(393)
PROJ MGR: Bush, Sean
OFFICE: District 2
CONSULTANT: GDOT
SPONSOR: Kimley-Horn and Associates, Inc.
DESIGN FIRM: Kimley-Horn and Associates, Inc.

MGMT LET DATE: Dec-09
MGMT ROW DATE: 15-Dec-08
SCHED LET DATE: Oct-11
WHO LETS?: GDOT Let
LET WITH:

DOT DIST: 2
CONG. DIST: 10
BIKE: N
MEASURE: E
UTILITY EST:
CST EST. DATE: 4/16/2008
RW EST. DATE:
BRIDGE SUFF RIG: 27.36

Sched Start	Sched Finish	Activity	Actual Start	Actual Finish	%
6/20/2008	6/26/2008	Define Project Concept	3/21/2008		56
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

AUTHORIZED FUNDS
 PE Authorized Amt: \$600,000.00
 ROW Authorized Amt:
 CST Authorized Amt:

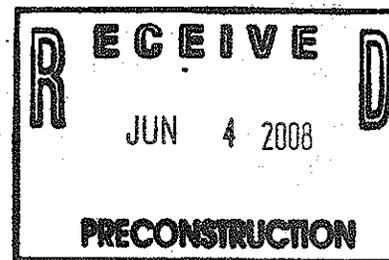
PROGRAMMED FUNDS
 50,000.00 LOC PRECST
 3,446,658.99 L110 PRECST

Approved: LOCL Proposed: LR
 Approved: LR Proposed: LR
 District Comments
 D2 to manage FY-07 'Conventional' Cons Contract (CAH) 031306 | 12/4/07 NTP issued to Kimley-Horn 4/1/08 Rev Cst Est, CST=\$1,596,470

BRIDGE REQUIRED
 (K-H) Traf & NP Apprvd. Working twrds Concept.
 CE/Not Apvd/OnSched.RW/Updated2-5-08/JK
 LGPA AGREEMENT SGN MORGAN DO ROW & UTILITIES 11-6-06.

Status Meeting Notes
 Pavement Design
 Concept _____
 Env _____
 R/W Plans _____
 Utility Plans _____
 Soils/BFI _____
 Bridge Plans _____
 SM&S _____
 Comments:

PREL. PARCEL CT: _____
UNDER-REVIEW: _____
RELEASED: _____
OPT-PEND: _____
COND-PEND: _____
ACQ BY: LOC
RELOC: _____
MGR: _____
COND-FILED: _____
RW CERT: _____
ACQUIRED: _____



**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: CSBRG-0007-00(393), Morgan County
PI No. 0007393
Bridge Replacement on CR 133/Kingston Road over Little 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(393)
P. I. Number: 0007393
County: Morgan

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 2 Design

PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(393)

County: Morgan

P. I. Number: 0007393

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 133

Bridge Replacement on CR 133/Kingston Road over Little 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 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

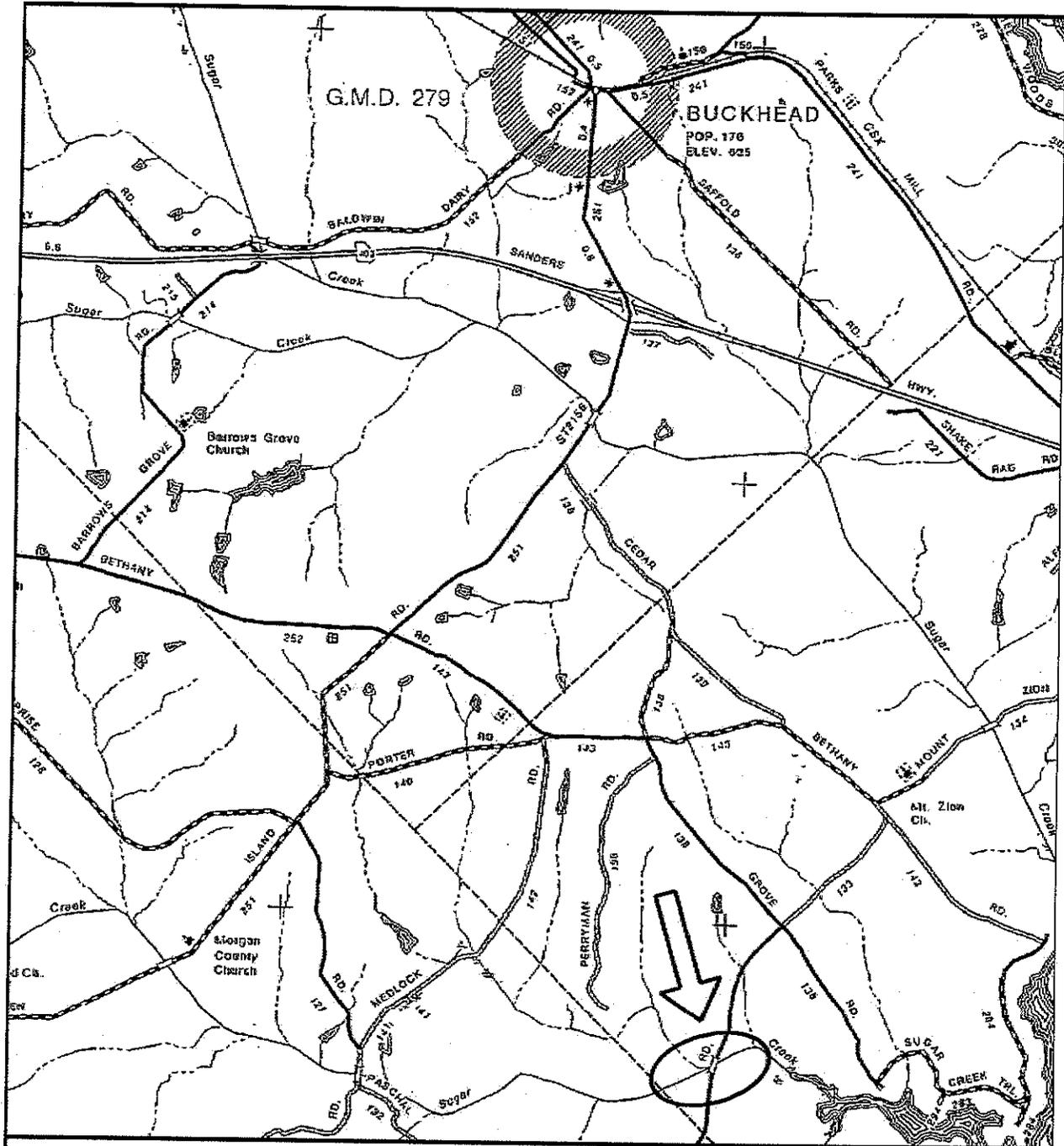


FIGURE # 1
PROJECT # CSBRG-0007-00(393)
MORGAN COUNTY
PI # 0007393
CR 133/KINGSTON ROAD
AT LITTLE SUGAR CREEK

PROJECT LOCATION MAP

Need and Purpose

Project Number CSBRG-0007-00(393) will replace the structurally deficient bridge located on CR 133/Kingston Road over Little Sugar Creek in Morgan County. The bridge over Little Sugar Creek is located approximately 5.3 miles south of Buckhead. 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 Little Sugar Creek was constructed in 1960 and has a sufficiency rating of 27.36. 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 133/Kingston Road is functionally classified as a Rural Local Road and is designated as a school bus route. The posted speed limit along CR 133/Kingston Road is 55 mph. The Average Daily Traffic (ADT) has been projected to be 308 in 2011 and 337 in 2031 with 7 percent trucks. Based on the ADT, the level of service for CR 133/Kingston Road is expected to be LOS A 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 133/Kingston 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(393) is a bridge replacement project of the existing bridge located in Morgan County on CR 133/Kingston Road over Little Sugar Creek, approximately 5.3 miles south of Buckhead. The gross total project length is approximately 1700 feet, beginning at M.P. 1.53 and extending to M.P. 1.85. The purpose of this project is to replace the structurally deficient and functionally obsolete bridge on CR 133/Kingston Road over Little Sugar Creek, because it has a Sufficiency Rating of only 27.36. The proposed Little Sugar Creek Bridge will be a 120-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?YesX..... No.

PDP Classification: Major _____ Minor: X

Federal Oversight: Full Oversight (), Exempt(X), 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: 133

Traffic (AADT):

Current Year: (2011)308..... Design Year: (2031)337.....

Existing design features:

- Typical Section: The existing typical section consists of two 11-foot lanes, 2-foot paved shoulders and 6-foot grassed shoulders.
- Posted speed: 55 mph
- Minimum radius for curve: 2000'
- Maximum super-elevation rate for curve: 6%
- Maximum grade: 4%
- Width of right-of-way: The existing R/W appears to be prescriptive and will need further investigation during database preparation.
- Major structures: The existing Little Sugar Creek Bridge is 96 feet long, with a 25.10-foot wide concrete deck and a sufficiency rating of 27.36.
- 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 11-foot travel lanes, 2-foot paved shoulders and 6-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: 4
- Structures:
 - Bridges: The proposed concrete bridge will be ~~26~~ ²⁸ feet wide (gutter to gutter) and approximately 140 feet long, consisting of two 11'-0" travel lanes and 3'-0" shoulders. Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: CR 133/Kingston 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:

Number of displacements:
 ○ Business: 0
 ○ Residences: 0
 ○ Mobile homes: 0
 ○ Other: 0

26 - 1000 8/25/2008

	<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 8-foot shoulder (2-foot paved) will be used on this project to match the existing roadway.
- Environmental concerns: Anticipate Section 404 Permit. There is a potentially eligible home on the north side if the existing road approximately 1000 feet west of the bridge. There are no other obvious environmental concerns, pending special studies and early coordination responses. Do not anticipate any UST, hazardous waste, 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 ()

Project Concept Report Page 6
Project Number: CSBRG-0007-00(393)
P. I. Number: 0007393
County: Morgan

- 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: State Historic Preservation Office

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 133/Kingston Road over Little Sugar Creek. (2) Permanent realignment of CR 133/Kingston Road and construction of new bridge over Little Sugar Creek, while maintaining traffic on the existing alignment. (3) Temporarily close CR 133/Kingston Road and construct new bridge on existing alignment, using an offsite detour to maintain traffic for CR 133/Kingston Road. (4) No Build.

UTILITY COST ESTIMATE						
PROJECT #	COUNTY	PROJECT DESCRIPTION			P.I. NUMBER	LAYOUT DATE
CSBRG-0007-00 (393)	Morgan	CR 133/Kingston Road @ Little Sugar Creek			0007393	3/14/2008
REIMBURSABLE QUANTITY	NON-REIMBURSABLE QUANTITY	UNITS	ITEM DESCRIPTION	UNIT PRICE	PRIVATE UTILITY COST	PUBLIC UTILITY COST
			POWER			
			WALTON EMC	\$\$\$\$\$\$		
			Walton EMC has aerial facilities located along the eastern side of CR 133 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.			
			WATER		\$0.00	
			NONE			
			SEWER			
			NONE			
			TELEPHONE			
			AT&T GEORGIA			
			AT&T Georgia appears to have buried facilities located along the eastern side of CR 133 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.			
					\$0.00	
			GAS			
			NONE			
TOTAL ESTIMATED UTILITY COSTS					\$0.00	
Estimate Prepared By: Jamie Lindsey- Assistant District Utilities Engineer						DATE: 24-Mar-08
						REVISED:
						REVISED:
						REVISED:

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 "0007393(CSBRG-0007-00(393)) Kingston Rd"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSBRG-0007-00(393)	50000.00
210-0100	Lump	LS	275000.00	GRADING COMPLETE - CSBRG-0007-00(393)	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	63.07	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	75684.00
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	187	SY	152.34	REINF CONC APPROACH SLAB	28487.58
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
446-2118	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
Section Sub Total:					\$624,637.64

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	EROSTON CONTROL MATS, SLOPES	3420.00
Section Sub Total:					\$11,961.36

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
Section Sub Total:					\$82,128.98

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
Section Sub Total:					\$4,142.34

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
111-1111	Lump	Lump Sum	291200.00	CONSTRUCT BRIDGE COMPLETE- 140 FT X 26 FT - STA. 115+00	291200.00
540-1101	Lump	LS	75000.00	REMOVAL OF EXISTING BR, STA NO - 115+00	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
Section Sub Total:					\$384,185.00

Total Estimated Cost: \$1,107,055.32

Subtotal Construction Cost		\$1,107,055.32
E&C Rate 17 %		\$188,199.40
Inflation Rate 0.0 % @ 0 Years		\$0.00
<hr style="width: 20%; margin: 0 auto;"/>		
Total Construction Cost		\$1,295,254.72
Right Of Way		\$0.00
ReImb. Utilities		\$0.00
<hr style="width: 20%; margin: 0 auto;"/>		
Grand Total Project Cost		\$1,295,254.72

Bridge Inventory Data Listing Georgia Department of Transportation.

Structure ID: 211-5026-0

Morgan

SUFF. RATNG: 27.36

Location & Geography			Signs & Attachements
* Structure ID:	211-5026-0	*104 Highway System:	0
200 Bridge Information:	06	Functional Classification:	09
*6A Feature Int:	LITTLE SUGAR CREEK	*204 Federal Route Type:	0 No. 00000
*6B Critical Bridge:	0	105 Federal Lands Highway:	0
*7A Route Number Carried:	CR00133	*110 Truck Route:	0
*7B Facility Carried:	KINGSTON ROAD	206 School Bus Route:	1
*9 Location:	5.3 MI S OF BUCKHEAD	217 Benchmark Elevation:	0000.00
2 DOT District:	2	218 Datum:	0
207 Year Photo:	2006	*19 Bypass Length:	06
*91 Inspection Frequency:	24 Date: 8/23/2006	*20 Toll:	3
92A Pract Crit Insp Freq:	00 Date: 2/1/1901	*21 Maintenance:	02
92B Underwater Insp Freq:	60 Date: 10/1/2007	*22 Owner:	02
92C Other Sp. Insp Freq:	00 Date: 2/1/1901	*31 Design Load:	1
*4 Place Code:	00000	37 Historical Significance:	5
*5 Inventory Route (O/U):	1	205 Congressional District:	10
Type:	4	27 Year Constructed:	1960
Designation:	1	106 Year Reconstructed:	0000
Number:	00133	33 Bridge Median:	0
Direction:	0	34 Skew:	45
*16 Latitude:	33 - 29.5100 HMMS Prefix:	35 Structure Flared:	0
*17 Longitude:	83 - 20.8290 HMMS Suffix: MP:0.00	38 Navigation Control:	0
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0
99 ID Number:	0000000000000000	267 Type of Paint:	1
*100 STRANET:	0	*42 Type of Service on:	1
*12 Base Highway Network:	1	Type of Service under:	5
13ALRS Inventory Route:	2112013300	214 Movable Bridge:	0
13B Sub Inventory Route:	0	203 Type Bridge:	C K M O
101 Parallel Structure:	N	259 Pile Encasement:	3
*102 Direction of Traffic:	2	*43 Structure Type Main:	3 02
*264 Road Inventory Mile Post:	001.69	45 No. Spans Main:	006
*208 Inspection Area:	02 Initials: JTB	44 Structure Type Appr:	0 00
Engineer's Initial:	JAD	46 No. Spans Appr:	0000
* Location I.D. No.:	211-00133X-001.69W	226 Bridge Curve Horz:	0 Vert: 0
		11 Pier Protection:	0
		107 Deck Structure Type:	1
		108 Wearing Surface Type:	1
		Membrane Type:	0
		Deck Protection:	0
		225 Expansion Joint Type:	02
		242 Deck Drains:	1
		243 Parapet Location:	0.00
		Height:	0.00
		Width:	0.00
		238 Curb Height:	1.0
		Curb Material:	1
		239 Handrail:	0 0
		*240 Median Barrier Rail:	0
		241 Bridge Median Height:	0.0
		* Bridge Median Width:	0.0
		230 Guardrail Loc. Dir. Rear:	0
		Fwrd:	0
		Oppo. Dir. Rear:	0
		Oppo. Fwrd:	0
		244 Approach Slab:	0
		224 Retaining Wall:	0
		233 Posted Speed Limit:	55
		236 Warning Sign:	0
		234 Delineator:	0
		235 Hazzard Boards:	0
		237 Utilities - Gas:	00
		Water:	00
		Electric:	00
		Telephone:	00
		Sewer:	00
		247 Lighting - Street:	0
		Navigation:	0
		Aerial:	0
		*248 County Continuity No.:	00

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(393), Morgan County
P.I. # 0007393

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(393) begins in Morgan County at Mile Post 1.53 on CR 133, approximately 5.3 miles south of Buckhead, and ends at Mile Post 1.85. The total project length is 0.32 miles. The proposed project includes the reconstruction of the existing bridge on CR 133/Kingston Road over Little Sugar Creek. The proposed typical section consists of two 11-foot travel lanes, 2-foot paved shoulders and 6-foot grassed shoulders. The proposed bridge will be 28 feet wide, gutter to gutter, consisting of two 11-foot lanes and 3-foot 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
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
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.

Date: 2/20/08

PROJECT: CSBRG-0007-00(393)
P.I. # 0007393

SUBJECT: Traffic Assignments for C.R. 133/Kingston Road @ Little Sugar Creek in Morgan County.

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

2008 AADT = 266
2011 AADT = 308
2031 AADT = 337
K = 10.9%
D = 69%
T = 31%
24 HR. T. = 24%
S.U. = 22%
COMB. = 2%

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

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 (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 (new email address)

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