

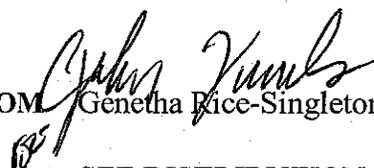
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0006432, Morgan County
CSBRG-0006-00(432)
CR 251/Seven Island Rd @ Big Indian Creek & Overflow
Bridge Replacements

OFFICE Preconstruction

DATE March 27, 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
Angela Alexander
Paul Liles
Tony Collins
George Brewer
BOARD MEMBER

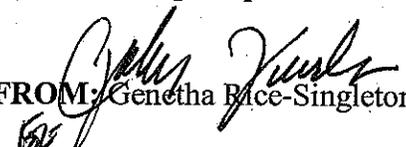
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0006432, Morgan County
CSBRG-0006-00(432)
CR 251/Seven Island Rd at Big Indian Creek & Overflow-
Bridge Replacements

OFFICE: Preconstruction

DATE: February 14, 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 structurally deficient bridges on CR 251/Seven Island Road over Big Indian Creek & Overflow, 2.0 miles east of Godfrey, Georgia. The existing bridges are 67' x 25.8' and 42' x 26.75' with sufficiency ratings of 26.75 and 26.35 respectively. County Road 251 at this location is a rural two lane roadway with 10' lanes, variable width grass shoulders and a posted speed of 55 MPH. County Road 251 is classified as a rural major collector. The base year traffic (2009) along this section of CR 251 is 383 VPD. The design year (2029) volumes are projected to be 628 VPD. The proposed speed design is 55 MPH.

The project proposes to replace the existing bridges over Big Indian Creek & Overflow with new 240' x 30' and 160' x 30' concrete bridge structures. The new bridges will be constructed on the same alignment as the existing bridges. The approaches will consist of two, 10' asphalt lanes with 6' rural shoulders. The roadway will be closed to traffic during construction. Traffic will be detoured via an off-site detour.

Environmental concerns include requiring a COE 404 permit; Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>FUNDING</u>	<u>PROG DATE</u>
Construction (includes E&C)	\$ 2,032,000	\$ 2,357,000	L110	2010
Right-of-way & Utilities	Local	Local	Local	

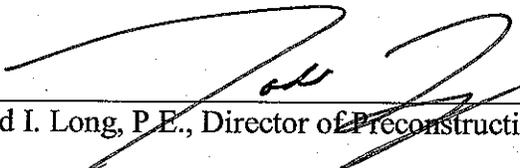
P.I. No. 0006432, Morgan County
Page 2
February 14, 2008

* Morgan County signed PFA for Right-of-Way and Utilities on 3-01-05

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR

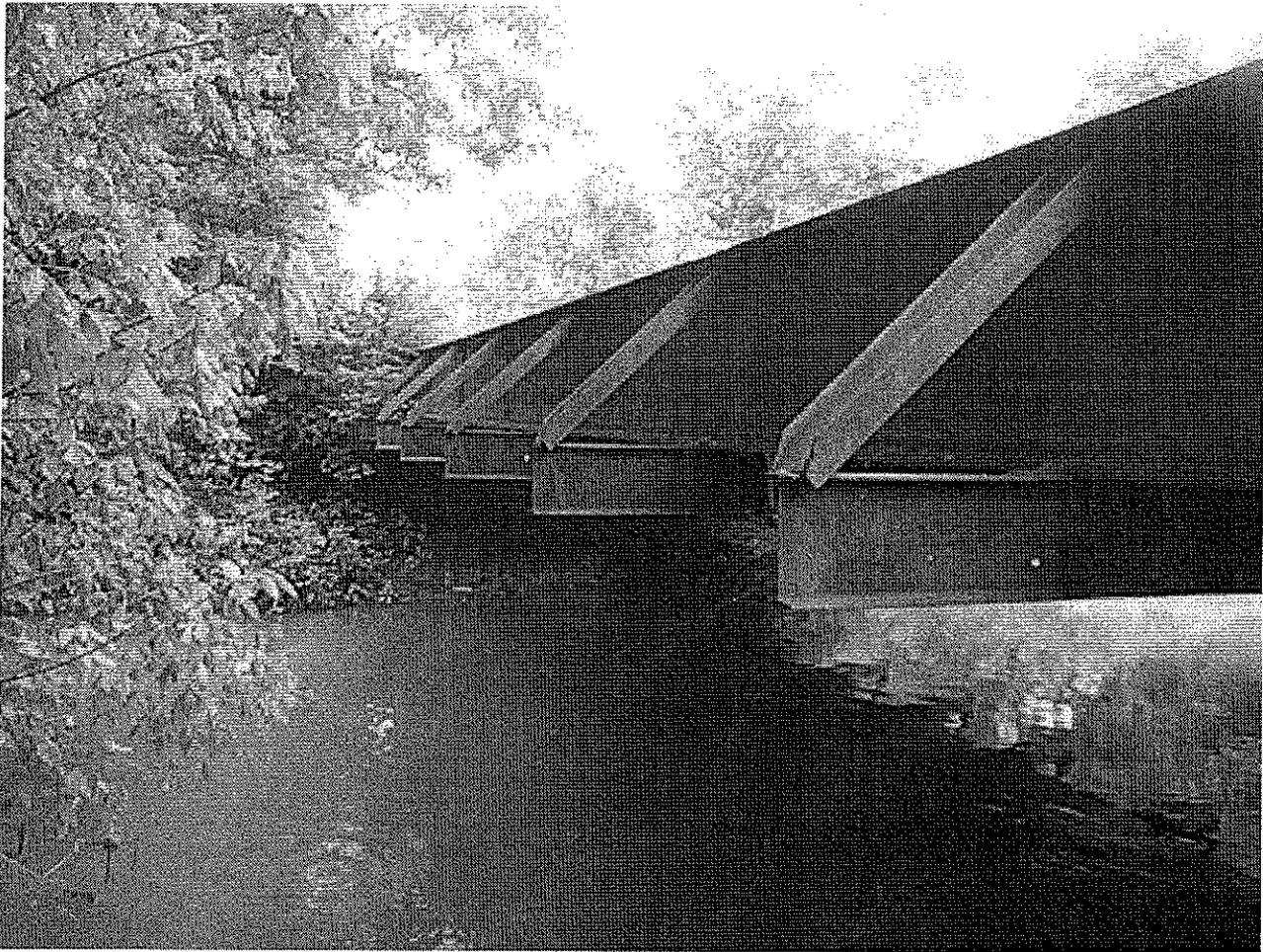


Todd I. Long, P.E., Director of Preconstruction

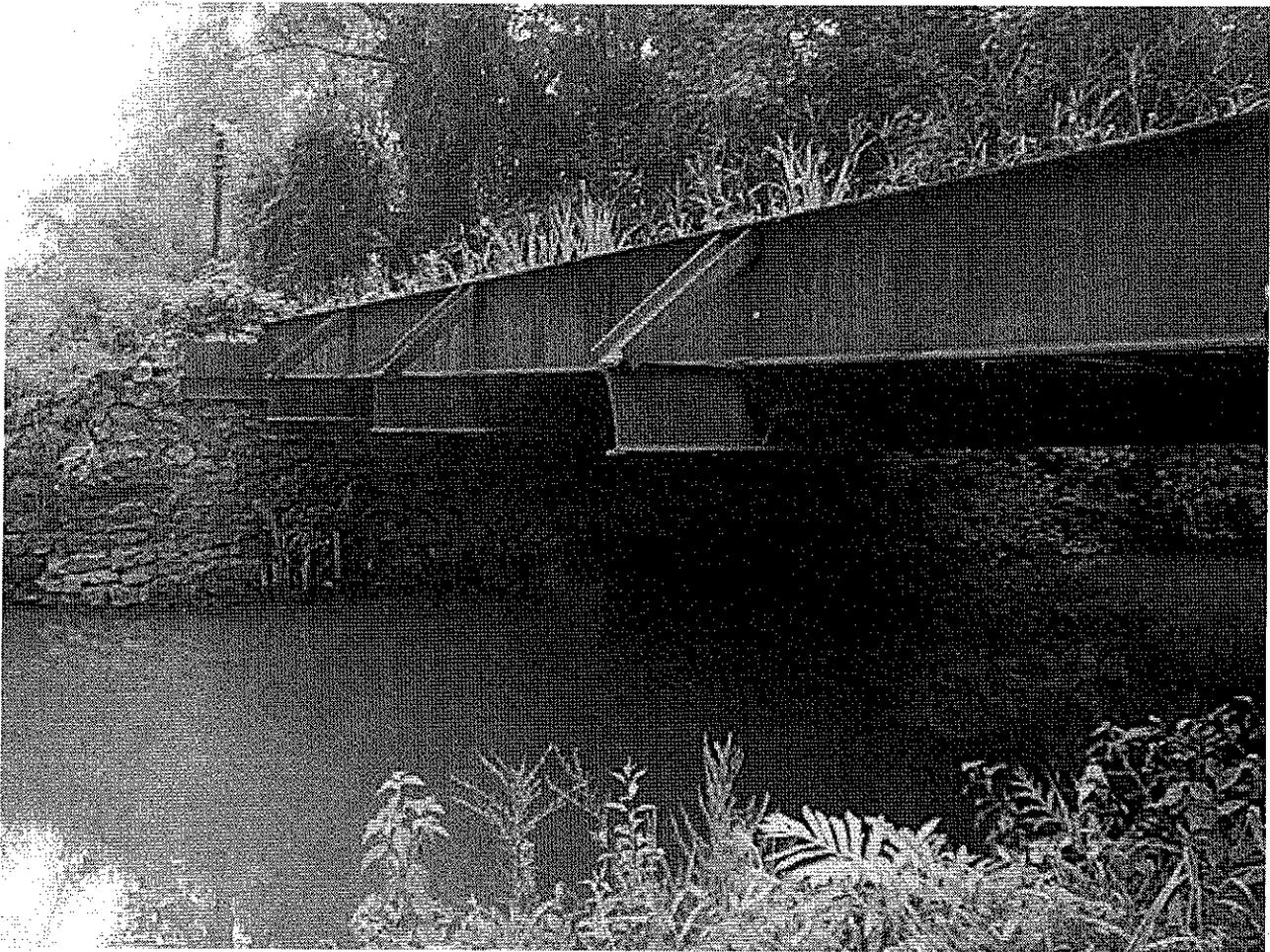
APPROVED



Gerald M. Ross, P.E., Chief Engineer

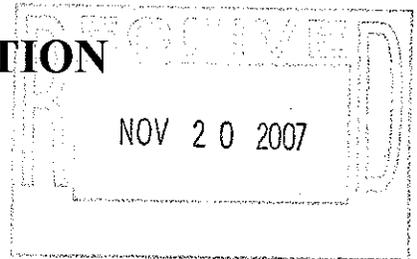


Big Indian Creek



OVERFLOW BRIDGE

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

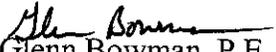


INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0006432

OFFICE: Environment/Location

DATE: November 19, 2007

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

TO: Genetha-Rice Singleton, Assistant Director of Preconstruction

**SUBJECT: PROJECT CONCEPT REPORT
CSBRG-0006-00(432) / Morgan County
CR 251 / Seven Island Rd. Bridge Replacement over Big Indian Creek**

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

- 1) The bridge is listed as not eligible in the GHBS.
- 2) This project has December '08 ROW authorization date. Environmental needs to be well underway soon or there is a strong risk in missing the schedule.

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

GB/lc

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Consultant Design

Project Number: CSBRG-0006-00(432)

County: Morgan

P. I. Number: 0006432

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 251

CR 251/Seven Island Road Bridge Replacement over
Big Indian Creek

Recommendation for approval:

DATE 11/6/07

DATE 11/6/07

Bennie H. Decker
Project Manager
Anthony J. Collins
District Engineer

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

DATE _____

DATE _____

DATE 11/16/07

DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator

Office of Financial Management Administrator

John Brown
State Environmental Location Engineer

State Traffic Safety & Design Engineer

Project Review Engineer

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Consultant Design

Project Number: CSBRG-0006-00(432)

County: Morgan

P. I. Number: 0006432

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 251

*CR 251/Seven Island Road Bridge Replacement over
Big Indian Creek*

Recommendation for approval:

DATE 11/6/07

DATE 11/6/07

Bernie H. Decker
Project Manager
Anthony J. Collins
District Engineer

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

DATE 11/15/07

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

Angela S. Alexander
State Transportation Planning Administrator

Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety & Design Engineer

Project Review Engineer

State Bridge & Structural Engineer

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Consultant Design

Project Number: CSBRG-0006-00(432)

County: Morgan

P. I. Number: 0006432

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 251

*CR 251/Seven Island Road Bridge Replacement over
Big Indian Creek*

Recommendation for approval:

DATE 11/6/07

DATE 11/6/07

Bennie H. Decker
Project Manager
Anthony J. Collins
District Engineer

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

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator

Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety & Design Engineer

Project Review Engineer

State Bridge & Structural Engineer .

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Consultant Design

Project Number: CSBRG-0006-00(432)

County: Morgan

P. I. Number: 0006432

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 251

*CR 251/Seven Island Road Bridge Replacement over
Big Indian Creek*

Recommendation for approval:

DATE 11/6/07

DATE 11/6/07

Bernie H. Decker
Project Manager
Anthony J. Collins
District Engineer

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

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE 11/15/07

State Transportation Planning Administrator

Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety & Design Engineer

Project Review Engineer

Paul V. Williams Jr.
State Bridge & Structural Engineer

Quarles, Johnny

From: Decker, Renee
Sent: Tuesday, January 29, 2008 2:14 PM
To: Quarles, Johnny
Subject: FW: Morgan & Jenkins Co. - Concept changes to r/w

Johnny,

After you called concerning the right of way on PI 0006319 (Jenkins) and PI 0006432 (Morgan), I sent an email for the consultant to look at revising the right of way due to the reduction in the typical section. The following is their comments as to why they did not reduce it. Let me know what you think I should do. If you think that it will cause a problem in getting the concept approved, I will tell them to reduce it and enlarge it later if they have to.

Thanks for your help!

*Renee' Decker, District Design Squad Leader
GA Department of Transportation
District 2 Design
P. O. Box 8
801 Highway 15 South
Tennille, GA 31089
(478) 552-4659
ddecker@dot.ga.gov*

From: Mike Stoltzfus [<mailto:mstoltzfus@kci.com>]
Sent: Tuesday, January 29, 2008 9:48 AM
To: Decker, Renee
Cc: 'Adolfo Guzman'
Subject: RE: Morgan & Jenkins Co. - Concept changes to r/w

Renee,

Adolfo and I talked for awhile yesterday regarding the request to look at the right-of-way that we are currently showing in the Concept Report. We both came to the consensus that we do not feel comfortable revising the right-of-way at this time. We feel there are too many unknowns that could change the design to require the right-of-way that we are showing. The largest factor that could impact the design would be the need to raise the bridges and the approaches subsequent to the hydraulic studies. As we all know, many of the bridge replacement projects are raising the elevation of the new bridges to meet the current hydrology standards.

We would rather leave the right-of-way as it is shown, even though hopefully it is a conservative estimate, because it is much easier to reduce the right-of-way after we have more of the database and design done than to reduce it now and come back later and enlarge it again.

Please let me know your thoughts,

Regards,

Mike

J. Michael Stoltzfus, P.E.
Roadway Section Manager

KCI Technologies, Inc.
3235 Satellite Boulevard
Building 400, Suite 500
Duluth, GA 30096

Johnny Quarles called this morning and said that he did not see a change in the proposed r/w on our Morgan and Jenkins Co. concepts. Since the typical has changed to match the existing roadway cross section, the r/w should have been reduced a good bit. Please take a look and make the corrections. Johnny said that we did not have to send the entire concept, but that we could just send that one revised sheet as a pdf and he would insert it into the document.

Thanks,

*Renee' Decker, District Design Squad Leader
GA Department of Transportation
District 2 Design
P. O. Box 8
801 Highway 15 South
Tennille, GA 31089
(478) 552-4659
ddecker@dot.ga.gov*

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
Consultant Design

Project Number: CSBRG-0006-00(432)
County: Morgan
P. I. Number: 0006432

Federal Route Number: N/A
State Route Number: N/A
County Route Number: 251

**CR 251/Seven Island Road Bridge Replacement over
Big Indian Creek**

Recommendation for approval:

DATE 1/22/08

DATE 1/17/08

Rennie H. Decker
Project Manager

Anthony J. Collins
District Engineer

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

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

DATE _____

State Transportation Planning Administrator

Office of Financial Management Administrator

State Environmental/Location Engineer

State Traffic Safety & Design Engineer

Project Review Engineer

State Bridge & Structural Engineer

(1)

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Number: CSBRG-0006-00(432)

County: Morgan

P. I. Number: 0006432

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 the above project.

The date of location approval is: MARCH 27, 2008
Date of Approval

This project consists of replacing the substandard load capacity bridges on CR 251 over Big Indian Creek and Big Indian Creek overflow in Morgan County. The logic for establishing the termini is due to replacing the bridges and reworking the shoulders and slopes to accommodate the guardrail. The new bridges will be constructed on the existing alignment and traffic will be rerouted to a detour utilizing the existing county and state roads. The concept proposes to satisfy the Need and Purpose by replacing a substandard load capacity and deck geometry bridge, while at the same time placing guardrail.

This project is located in GMD 285 & 1436 and in Land Lot 258 & 281 in Morgan County.

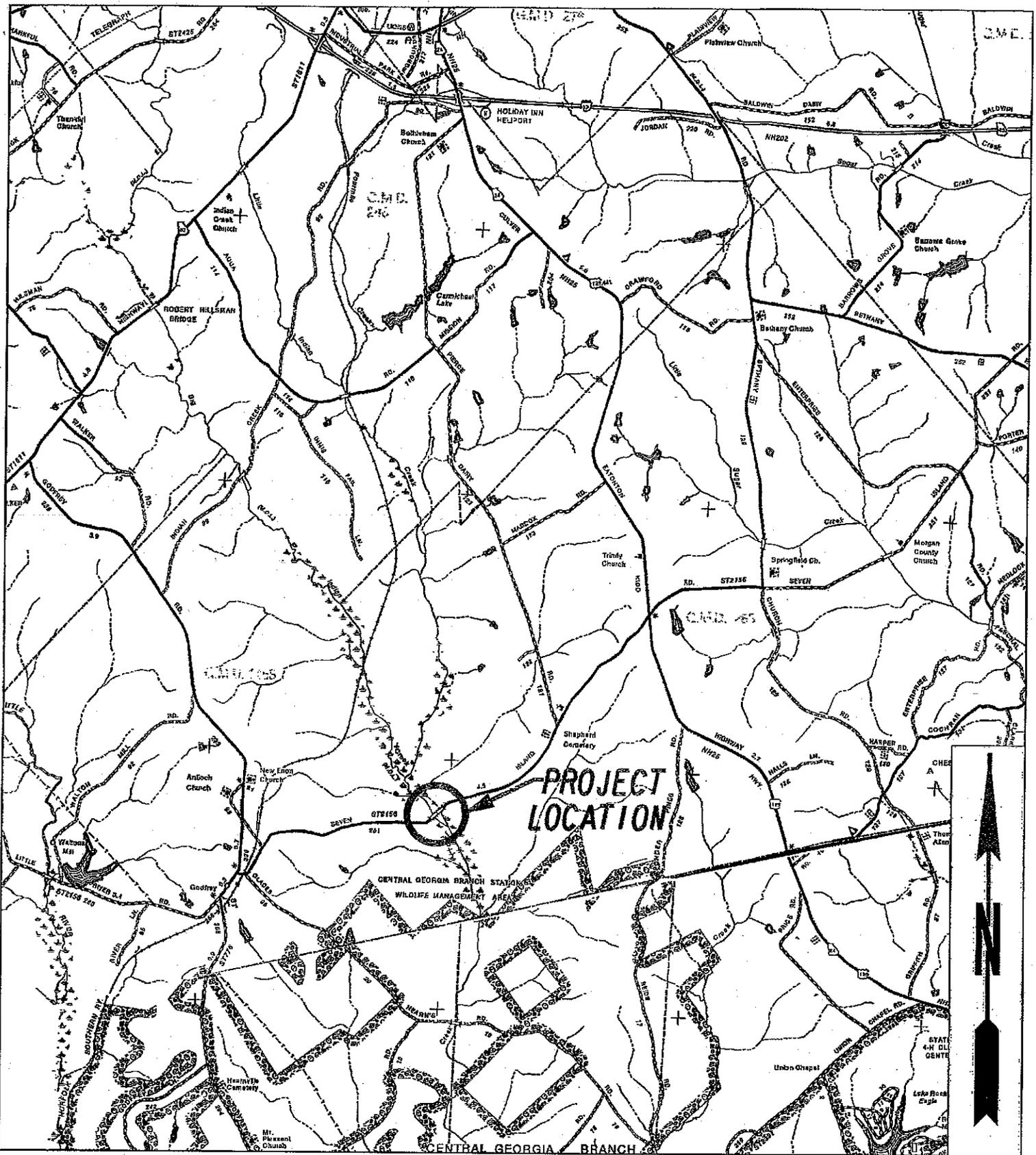
Drawings, maps or plots of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Bryan Gibbs, Area 5 Engineer
Georgia Department of Transportation
1570 Bethany Road
Madison, Georgia 30650
(706) 343-5836
Bryan.Gibbs@dot.state.ga.us

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, Preconstruction Engineer
Georgia Department of Transportation
District Two Office
801 Highway 15 South
Tennille, Georgia 31089
(478) 552-4642
George.brewer@dot.state.ga.us

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.



LOCATION SKETCH
PROJECT NO. CSBRG-0006-00 (432)
P.I. NO. 0006432
MORGAN COUNTY

Need and Purpose:

Project Description

The need and purpose of this proposed project is to improve the bridge infrastructure at County Road (CR) 251/Seven Island Road at Big Indian Creek and overflow in Morgan County, Georgia (Figure 1, Project Location Map). The proposed project would serve to replace the existing two bridges which have substandard load capacity and deck geometry. The deck geometry currently consists of a 24 foot bridge over Big Indian Creek and a 23.6 foot bridge for the overflow. The replacement bridges will have 30 foot decks to meet current standards. The side barriers would also be brought up to current standards with a minimum height of 28 inches.

Bridge Characteristics

Sufficiency rating is a scale used by the Georgia Department of Transportation (GDOT) to determine the structural and geometric condition of the bridge. This rating is determined by a federal definition adopted from the Association of American State Highway and Transportation Officials (AASHTO) standards and is based on structural adequacy and safety, serviceability, functional obsolescence, and necessity for public use. Ranging on a point system from 1 to 100, any bridge with ratings of 50 points or lower are candidates for replacement in order to provide a safe, structurally sufficient bridge for motorists and pedestrians. A rating of 1 is given to structures in serious need of replacement, and a rating of 100 is given to bridges without any deficiencies. The CR 251/Seven Island Road Bridge over Big Indian Creek was constructed in 1936 and has a sufficiency rating of 26.55. The CR 251/Seven Island Road Bridge over the Big Indian Creek overflow was also constructed in 1936 and has a sufficiency rating of 25.70. Due to both bridges rating under 50, this project meets the requirements for bridge replacement per Department policy, TOPPS 2405-1.

In addition to the above deficiencies, both bridges also have substandard deck geometry. The existing width of the bridge over Big Indian Creek is 24 feet and the side barrier is approximately 15 inches in height. The width of the bridge over the Big Indian Creek Overflow is 23.6 feet and the side barriers are approximately 4 inches in height. The proposed project would replace these bridges with 30-foot wide bridges, and would provide side barriers at a minimum of 28 inches in height to meet current design standards. Replacement bridges would also provide protection for the side barriers with guardrails, and would provide higher side barriers that would prevent vehicles from going over the side of the bridge in a crash.

Currently, local heavy truck traffic must detour around the existing bridge due to the weight restriction on the existing bridge of three tons. However, some local heavy traffic crosses the bridge without regard to the existing weight restrictions. The bridge replacements would also improve operations by removing this weight restriction at the bridge crossings.

Route Characteristics

CR 251/ Seven Island Road is a two-lane roadway which provides access along Morgan County from Godfrey Road, along southern Morgan County to the town of Buckhead. The functional classification of CR 251/Seven Island Road is rural major collector. The latitude of the existing bridge over Big Indian Creek and overflow is 33°27'49" and the longitude is 83°28'23". The bridges over Big Indian Creek and overflow are located between mile post 1.84 and 2.24 on CR 251/Seven Island Road, approximately three miles east of the Town of Godfrey, and the posted speed limit is 55 mph. The proposed bridge work would not require any modification to the existing CR 251/Seven Island Road facility.

Traffic Data

CR 251/Seven Island Road has an average traffic volume of approximately 670 vehicles per day (VPD). See Table 1 below. The existing level of service (LOS) is A. The proposed improvements will have a LOS A for the design year.

Table 1
CR 251/Seven Island Road over Big Indian Creek
Traffic Volumes (VPD)

	Existing (2006)	Build-Year (2009)		Design-Year (2029)	
		Build	No-Build	Build	No-Build
CR 251/ Seven Island Road over Big Indian Creek (vpd)	670	700	700	1,000	1,000
% Trucks	4%	6%	6%	6%	6%
Trucks (vpd)	41	42	42	60	60
LOS	A	A	A	A	A

- LOS was determined based on the Georgia Regional Transportation Authority's (GRTA) Technical Guidelines. The LOS criteria in GRTA's Technical Guidelines were adopted from Florida DOT's LOS Handbook.

Social/Economic Characteristics

The United States Environmental Protection Agency's (US EPA) Environmental Justice Geographic Assessment Tool (<http://www.epa.gov/enviro/ej/>) was used to perform a preliminary environmental justice analysis for the proposed project. Using this tool, the area of the proposed study area was digitized on a map and compared to county and state data. According to the 2000 US Census, the Study Area minority population (8 persons) represents 33.3% of the Study Area's total population. The 2000 census data indicate that Morgan County and the State of Georgia have minority populations of 31.7% (4,900 persons) and 37.3% (3,053,547 persons), respectively. Minorities in the Study Area consist of people who describe themselves as Black or African American, American Indian and Alaska Native, Asian, some other race alone, or as belonging to two or more races.

Project Concept Report page 5
Project Number: CSBRG-0006-00(432)
P. I. Number: 0006432
County: Morgan

According to the 2000 US Census, the percentage of the Study Area below poverty level is 13% (3 persons). The year 2000 data indicate that Morgan County and the State of Georgia have low-income populations of 10.8% (1,670 persons) and 12.6% (1,033,793 persons), respectively.

Need and Purpose

Replacement of the existing bridge is justified due to its current deficient sufficiency ratings. The need exists to replace this bridge and bring it up to current design standards and in doing so the operation and safety of this roadway will improve.

In addition, the proposed project would correct the substandard deck geometry of the existing bridges, which would increase safety and operations. The bridge replacement would provide a deck geometry that would be 25% wider than the existing narrow bridge and side barriers that are to current standards, which would help to protect vehicles from going over the side of the bridge in a crash. The replacement would also provide protection for the ends of the side barriers with guardrails. Currently there is no protection for the side barriers. Operations would be improved because the weight restriction would be removed, allowing local heavy truck traffic to safely use the bridges. Currently, local heavy truck traffic has to detour around the bridges, although there are several local residents who take the risk and cross the existing bridges with heavy equipment and vehicles without regard to the existing weight limit.

Description of the proposed project: This proposed project being 0.4 miles long is to replace the substandard bridges over Big Indian Creek and Big Indian Creek overflow in Morgan County. The logic for establishing these termini is due to replacing the bridges and reworking the shoulders and slopes to accommodate the guardrail. The new bridges will be constructed on the existing alignment and traffic will be rerouted to a detour utilizing the existing county and state roads. The concept proposes to satisfy the Need and Purpose by replacing a substandard load capacity and deck geometry bridge, while at the same time placing guardrail

Is the project located in a Non-attainment area? ___Yes X No.

PDP Classification:

Full Oversight (), Exempt(X), State Funded(), or Other ()

Functional Classification: Rural Major Collector

U. S. Route Number(s): N/A
County Road Number(s): 251

State Route Number(s): N/A

Traffic (AADT):

Current Year: 700 (2009)

Design Year: 1,000 (2029)

Existing design features:

- Typical Section: 2 – 10-ft. asphalt travel lanes with 5 – 6-ft. grassed shoulders
- Posted speed 55 mph
- Minimum Radii of curvature: 1,400-ft
- Maximum grade: 2%_
- Width of right of way: 80-ft.
- Major structures: **Big Indian Creek Bridge - 67 ft. length 25.8 ft. width sufficiency rating of 26.55, Big Indian Creek Overflow Bridge - 42ft. length 24.6 ft. width sufficiency rating of 25.70.**
- Major interchanges or intersections along the project: N/A

Proposed Design Features:

- Proposed typical section(s): 2 – 10-ft. asphalt travel lanes with 6’ grassed shoulders
- Proposed Design Speed Mainline 55mph
- Proposed Maximum grade Mainline: 5.5%
- Maximum grade allowable Mainline: 7.0%.
- Proposed Maximum grade Side Street N/A
- Maximum grade allowable on Side Street N/A
- Proposed Maximum grade driveway 11%
- Proposed Minimum radii of curve 1,400-ft
- Minimum radii allowable 1,060-ft
- Right of way
 - Width: An additional 10-ft. to 20-ft. strip of Right of Way will be required either side of the roadway
 - Easements: Temporary (), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other (X).
 - Number of parcels: _____4_____ Number of displacements: 0
 - Business: N/A
 - Residences: N/A
 - Mobile homes: N/A
 - Other: N/A
- Structures:
 - Bridges: The **Big Indian Creek Bridge** - 240 ft. x 30-ft and the **Big Indian Creek Overflow Bridge** - 160ft. x 30-ft Reinforced Concrete Bridges
 - Retaining walls: N/A
 - Major intersections and interchanges: N/A
- Traffic control during construction: CR 251/Seven Island Road will be closed during construction and traffic will be routed to off site detours. Local governments will be responsible for any off-site detour signage
- 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 is expected for the pavement width. The proposed pavement width match the existing pavement width which is less that the desirable width required by GDOT Design Policy.
- Environmental concerns: Possible Section 404 permit required. No hazardous waste sites, history, archaeological, sites were noted at the project site. The bridge over Big Indian Creek was built in 1936 which makes it older than 50-yrs. An off -site detour PIOH will be required to notify the public of the upcoming road closure. It was noted by GDOT Office of Environment and Location that the bridge is not currently listed on the GHBS (Georgia Historic Bridge Survey).
- Anticipated Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),
- Utility involvements:
 - Telephone – AT&T
 - Power – Central Georgia EMC
 - Water – None
 - Sewer – None
 - Gas – None
 - Cable TV- None

Project responsibilities:

- Design: KCI Technologies for GDOT
- Right of Way Acquisition: Morgan County
- Relocation of Utilities: GDOT District Two Utilities Section Coordination
- Letting to contract: GDOT – Contract Administration
- Supervision of construction, GDOT - Madison Area Engineer Office
- Providing material pits, Contractor
- Providing detours. The local government will also 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
- Public involvement: An off-Site detour meeting will be required to advise the public of the road closure.
- Local government commitments: The local government will be asked to relocate any utility facilities that they own, will be responsible for purchasing the R/W and provide and off-site detours.
- Other projects in the area: EDS-441(44) P.I. N0. 222570

Project Concept Report page 9
Project Number: CSBRG-0006-00(432)
P. I. Number: 0006432
County: Morgan

- Other coordination to date:
- VE Study Required: No

Scheduling – Responsible Parties’ Estimate

- Time to complete the environmental process: 1 Year
- Time to complete preliminary construction plans: 1 Year
- Time to complete right of way plans: 6 months

- Time to complete the Section 404 Permit: 1 Year
- Time to complete final construction plans: 6 months
- Time to complete to purchase right of way: 1 Year
- List other major items that will affect the project schedule: None.

Other alternates considered: No Build

Comments:

The No Build alternate was eliminated due to the safety concern of continuing to use a bridge that does not meet the minimum bridge width and load capacity requirements and the long-term maintenance cost of a structurally deficient bridge.

Attachments:

1. Cost Estimates:
 - a. Construction including E&C,
 - b. Right of Way, and
 - c. Utilities.
2. Typical sections,
3. Bridge inventory,
4. Pavement Design,
5. Traffic Data,
6. Location and Design Notice,
7. Minutes of Initial Concept and Concept meetings

Concur: _____
Director of Preconstruction

Approve: _____
Chief Engineer

Estimate Report for file "CSBRG-0006-00(432) Morgan County "

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	25000.00	TRAFFIC CONTROL -	25000.00
201-1500	1	LS	25000.00	CLEARING & GRUBBING -	25000.00
205-0001	1650	CY	4.58	UNCLASS EXCAV	7557.00
206-0002	4990	CY	7.12	BORROW EXCAV, INCL MATL	35528.80
310-1101	4170	TN	19.78	GR AGGR BASE CRS, INCL MATL	82482.60
318-3000	100	TN	19.29	AGGR SURF CRS	1929.00
402-1812	100	TN	65.59	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	6559.00
402-3121	1590	TN	63.98	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	101728.20
402-3140	430	TN	81.25	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	34937.50
402-3190	530	TN	63.30	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	33549.00
413-1000	480	GL	1.97	BITUM TACK COAT	945.60
433-1000	200	SY	126.22	REINF CONC APPROACH SLAB	25244.00
441-0301	4	EA	2176.40	CONC SPILLWAY, TP 1	8705.60
500-3101	1	CY	607.28	CLASS A CONCRETE	607.28
550-2180	100	LF	33.87	SIDE DRAIN PIPE, 18 IN, H 1-10	3387.00
550-3618	8	EA	643.70	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	5149.60
576-1018	120	LF	34.30	SLOPE DRAIN PIPE, 18 IN	4116.00
634-1200	8	EA	99.03	RIGHT OF WAY MARKERS	792.24
641-1100	84	LF	50.01	GUARDRAIL, TP T	4200.84
641-1200	600	LF	17.12	GUARDRAIL, TP W	10272.00
641-5001	2	EA	642.22	GUARDRAIL ANCHORAGE, TP 1	1284.44
641-5012	2	EA	1835.14	GUARDRAIL ANCHORAGE, TP 12	3670.28
643-8200	400	LF	2.95	BARRIER FENCE (ORANGE), 4 FT	1180.00
Section Sub Total:					\$423,825.98

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	4	AC	703.79	TEMPORARY GRASSING	2815.16
163-0240	70	TN	165.18	MULCH	11562.60
163-0300	2	EA	1620.67	CONSTRUCTION EXIT	3241.34
163-0520	250	LF	17.20	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	4300.00
163-0523	40	EA	118.76	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE C SILT FENCE	4750.40
165-0030	5500	LF	1.70	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	9350.00
165-0040	40	EA	66.23	MAINTENANCE OF EROSION CONTROL CHECKDAMS/DITCH CHECKS	2649.20
165-0050	250	LF	1.81	MAINTENANCE OF SILT RETENTION BARRIER	452.50
165-0101	2	EA	584.83	MAINTENANCE OF CONSTRUCTION EXIT	1169.66
167-1000	2	EA	1291.85	WATER QUALITY MONITORING AND SAMPLING	2583.70
167-1500	12	MO	980.37	WATER QUALITY INSPECTIONS	11764.44
171-0030	5500	LF	3.89	TEMPORARY SILT FENCE, TYPE C	21395.00
Section Sub Total:					\$76,034.00

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	1100	SY	45.92	STN DUMPED RIP RAP, TP 3, 18 IN	50512.00
603-7000	1100	SY	4.67	PLASTIC FILTER FABRIC	5137.00
700-7000	15	TN	59.67	AGRICULTURAL LIME	895.05
700-7010	10	GL	21.85	LIQUID LIME	218.50
700-8000	4	TN	299.50	FERTILIZER MIXED GRADE	1198.00
700-8100	200	LB	2.32	FERTILIZER NITROGEN CONTENT	464.00
710-9000	600	SY	3.92	PERMANENT SOIL REINFORCING MAT	2352.00
716-2000	5000	SY	1.23	EROSION CONTROL MATS, SLOPES	6150.00
Section Sub Total:					\$66,926.55

Section SIGNING & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1033	18	SF	19.60	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	352.80
636-2070	24	LF	8.27	GALV STEEL POSTS, TP 7	198.48
652-5451	3800	LF	0.23	SOLID TRAFFIC STRIPE, 5 IN, WHITE	874.00

652-5452	3800	LF	0.22	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	836.00
657-1054	800	LF	5.07	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, WHITE, TP PB	4056.00
657-6054	800	LF	4.79	PREFORMED PLASTIC SOLID PVMT MKG, 5 IN, YELLOW, TP PB	3832.00
Section Sub Total:					\$10,149.28

Section BRIDGE

Item Number	Quantity	Units	Unit Price	Item Description	Cost
540-1101	1	LS	70000.00	REMOVAL OF EXISTING BR, STA NO -	70000.00
999-2010	1	LS	720000.00	DESIGN COMPLETE - New Bridge 240 ft x 30 ft	720000.00
999-2010	1	LS	480000.00	DESIGN COMPLETE - New Bridge 160 ft x 30 ft	480000.00
Section Sub Total:					\$1,270,000.00

Total Estimated Cost: \$1,846,935.81

Subtotal Construction Cost \$1,846,935.81

E&C Rate 10.0 % \$184,693.58

Inflation Rate 0.0 % @ 0.0 Years \$0.00

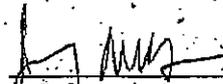
Total Construction Cost \$2,031,629.39

Right Of Way \$124,715.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$2,156,344.39

Preliminary Right of Way Cost Estimate



Phil Copeland
 Right of Way Administrator
 By: Jerry Milligan

Date: September 13, 2007
Project: CSBRG-0006-00(432)Morgan
Existing/Required R/W: Varies/Varies
Project Termini : CR 2511 / Seven Islands Road @ Big Indian Creek
Project Description: CR 2511 / Seven Islands Road @ Big Indian Creek Bridge Replacement

P.I. Number: 0006432
No. Parcels: 5

Land: R/W Agricultural / Res.: 1.99 acres @ \$8,000 / acre \$ 15,920

Improvements : misc. site improvements 20,000

Relocation: Residential (0)
 Commercial (0) 0

Damage : Cost to Cure (0) parcel
 Proximity (0) parcel
 Uneconomic Remnant 0

Net Cost \$ 35,920

Net Cost		\$	35,920
Scheduling Contingency	55 %		19,756
Adm/Court Cost	60 %		33,406
Market Appreciation	40 %		35,633
		\$	<u>124,715</u>

Total Cost \$124,750

Department of Transportation
State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
DATE September 13, 2007
FROM Phil Copeland, Right of Way Administrator
TO To: Renee Decker District Two Design Office
SUBJECT Preliminary Right of Way Cost Estimate
Project: CSBRG-0006-00(432)Morgan
P.I. No.: 0006432
Description: CR 251/ Seven Islands Road @ Indian Creek

As per your request, attached is a copy of the approved Preliminary Right of Way Cost Estimates on the above referenced projects.

Please note the area of Required R/W was furnished with your request. Please include total Required R/W areas for the entire corridor in all future requests.

If you have any questions, please contact Jerry Milligan at the West Annex Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

c: Brian Summers, Engineering Services
Wes Brock, R/W
Windy Bickers, Financial Management
File

PROJECT	COUNTY	UTILITY COSTS ESTIMATE	PROJECT DESCRIPTION	PI NUMBER	PAID OUT DATE
CSBRG-0006-00 (432)	Morgan		CR 251/ Seven Islands Road @ Big Indian Creek & Overflow	0006432	9/12/2007
REIMBURSABLE QUANTITY	NON REIMBURSABLE QUANTITY	UNITS	ITEM DESCRIPTION	PRIVATE UTILITY COST	PUBLIC UTILITY COST
			WALTON EMC		
			Walton EMC has aerial facilities located along the Northern side of CR 251 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 has buried facilities located along the Northern side of CR 251 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.		
			GAS	\$0.00	
			NONE		
			TOTAL ESTIMATED UTILITY COSTS	\$0.00	
			Estimate Prepared By: Jamie Lindsey - Assistant District Utilities Engineer	DATE:	13-Sep-07
				REVISID:	
				REVISID:	
				REVISID:	

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.

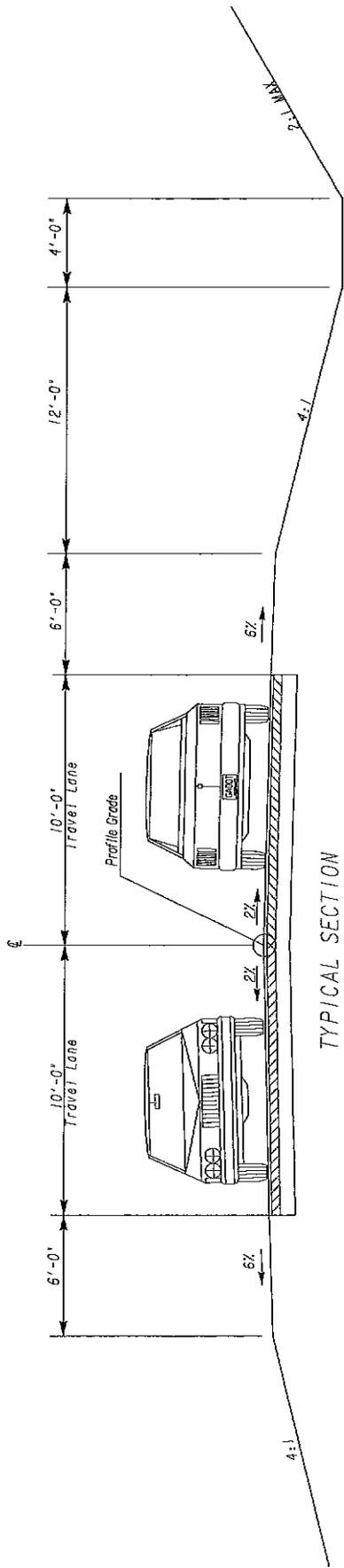
* The Local Government that owns these facilities may seek financial assistance or reimbursement for these relocation costs.

PROJECT	COUNTY	UTILITY COST ESTIMATE	PROJECT DESCRIPTION	UNIT PRICE	PI NUMBER	LAYOUT DATE
OSBRG-0006-00 (432)	Morgan		CR 251/ Seven Islands Road @ Big Indian Creek & Overflow		0006432	9/12/2007
REIMBURSABLE QUANTITY	NON REIMBURSABLE QUANTITY	ITEM DESCRIPTION	WALTON EMC	UNIT PRICE	PRIVATE UTILITY COST	PUBLIC UTILITY COST
		Walton EMC has aerial facilities located along the Northern side of CR 251 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	NONE		\$0.00	
		SEWER	NONE			
		TELEPHONE	AT&T GEORGIA			
		AT&T Georgia has buried facilities located along the Northern side of CR 251 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.				
		GAS	NONE		\$0.00	
		TOTAL ESTIMATED UTILITY COSTS			\$0.00	
Estimate Prepared By: Jamie Lindsey- Assistant District Utilities Engineer						
					DATE:	13-Sep-07
					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.



TYPICAL SECTION
 GSBG-0006-00(432)
 MORGAN COUNTY
 P. I. # 0006432

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0056-0

Morgan

SUPP. RATING

26.35

Location & Geography

* Structure ID No 211-0056-0

* 200 Bridge Information 06

* 6A Feature Int BIG INDIAN CREEK OVF

* 6B Critical Bridge 0

* 7A Route Number Carried CR00251

* 7B Facility Carried SEVEN ISLAND ROAD

* 9 Location: 2 MILE OF GODFREY

2 DOTT District 2

207 Year Photo 2006

* 91 Inspection Frequency: 24 Date: 08/10/2006

92A Fract Crit Insp Freq: 12 Date: 08/10/2006

92B Underwater Insp Freq: 00 Date: 02/01/1901

92C Other Spc. Insp Freq: 00 Date: 02/01/1901

* 4 Place Code: 000000

* 5 Inventory Route (O/R/T): 1

Type 4

Designation 1

Number 02156

Direction 0

* 16 Latitude: 33-27 7960 MMS Prefix

* 17 Longitude: 83-28 4140 MMS Suffix MP: 0.00

98 Border Bridge: 000 %Shared: 00

99 ID Number: 0000000000000000

* 100 STRAIGHT: 0

12 Base Highway Network: 1

13A IRS Inventory Route: 2112025100

13B Sub Inventory Route: 0

* 101 Parallel Structure: N

* 102 Direction of Traffic: 2

* 264 Road Inventory Mile Post: 002.02

* 208 Inspection Area 02 Initials: JTB

Engineer's Initial: sgm

* Location ID No 211-02156F-004.80N

Signs & Attachments

* 104 Highway System: 0

* 26 Functional Classification: 07

* 204 Federal Route Type: S No.: 02156

* 105 Federal Lands Highway: 0

* 110 Truck Route: 0

* 206 School Bus Route: 1

* 217 Benchmark Elevation: 0000.00

* 218 Datum: 0

* 19 Bypass Length: 07

* 20 Toll: 3

* 21 Maintenance: 02

* 22 Cover: 02

* 31 Design Load: 0

* 37 Historical Significance: 5

* 205 Congressional District: 09

27 Year Constructed: 1936

106 Year Reconstructed: 0000

33 Bridge Median: 0

34 Skew: 00

35 Structure Flared: 0

38 Navigation Control: 0

213 Special Steel Design: 4

267 Type of Paint: 6

* 42 Type of Service on: 1

214 Movable Bridge: 0

203 Type Bridge: M-D-M-O

259 Pile Encasement: 3

* 43 Structure Type Main: 3 03

45 No. Spans Main: 001

44 Structure Type Appr: 0 00

46 No. Spans Appr: 0000

226 Bridge Curve Horiz: 0 Vert: 0

111 Pier Protection: 0

107 Deck Structure Type: 1

108 Wearing Surface Type: 6

M: 0

F: 0

Report Date: 3/30/2007

SIA-1

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0056-0

Morgan

SUPP. RATING

2635

Programming Data

201 Project No. COUNTY FUNDS
 202 Plans Available 0
 249 Prop. Proj. No. CSBRG-0000h-000
 250 Approval Status. 0000
 251 P.I. No. 0006432
 252 Contract Date 02/01/2008
 260 Seismic No. 00000
 75 Type Work 31 1
 94 Bridge Imp Cost. \$ 46
 95 Roadway Imp Cost. \$ 159
 96 Total Imp Cost. \$ 232
 76 Imp Length 001362
 97 Imp Year 1990
 114 Future ADT: 000720 Year: 2025

Measurements

* 29 ADT: 000480 Year: 2005
 109 % Trucks: 0
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0042
 * 49 Structure Length: 42
 51 Br. Rwdy. Width: 23.60
 52 Deck Width: 24.60
 * 47 Tot. Horz. Cl: 23.60
 50 Curb/Sidewlk Width: 0.60/0.60
 32 Approach Rdwy Width: 020
 * 229 Shoulder Width:
 Rear Lt: 5.00 Type: 8 Rt: 5.00
 Fwd Rt: 5.00 Type: 8 Rt: 5.00
 Pavement Width:
 Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2
 Intersection Rear: 0 Fwd: 0
 36 Safety Features Br. Rail:
 Transition: 0
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl. Over:
 Under: N
 * 228 Min. Vertical Cl
 Act. Odm Dir: 99' 99"
 Oppo. Dir: 90' 99"
 Posted Odm. Dir: 00' 00"
 Oppo. Dir: 00' 00"
 55 Lateral Underel. Rt: N 99.90
 56 Lateral Underel. Lt: 0.00
 * 10 Max Min Vert Cl: 99' 99" Dir: 0
 39 Nav Vert Cl: 000 Horz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 6.00
 Deck Thick. Approach: 0.00
 246 Overlay Thickness: 1.00
 212 Year Last Painted: Sup: 1936 Sub: 0000

Hydraulic Data

215 Waterway Data
 Highwater Elev. 0009.0 Year: 1900
 Avg. Streambed Elev. 0000.0 Freq: 00
 Drainage Area 00000
 Area Of Opening: 000000
 113 Scour Critical 11
 216 Water Depth. 01.6 Br Height: 09.3
 222 Slope Protection' 0
 221 Spur Dikes Rear: 0 Fwd: 0
 219 Fender System 0
 220 Dolphin: 0
 223 Culvert Cover
 Type 000
 No. Barrels: 0
 Width: 0.00 Height: 0.00
 Length 0 Apron: 0
 * 265 U/W Insp Area. 0 Diver 7.77.

Ratings

65 Inventory Rating Method: 5
 63 Inventory Rating Method: 5
 66 Inventory Type: 2 Rating: 04
 64 Operating Type: 2 Rating: 10
 231 Calculated Loads
 11-Modified: 03 1
 11S-Modified: 00 0
 Type 3: 00 0
 Type 3&2: 00 0
 Timber: 00 0
 Piggyback: 00 0
 261 11 Inventory Rating: 03
 262 11 Operating Rating: 07
 67 Structural Evaluation: 2
 58 Deck Condition: 6
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 5
 60C Underwater Condition: N
 71 Waterway Adequacy: 6
 61 Channel Protection Cond: 5
 68 Deck Geometry: 4
 69 UnderCr. Horiz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 0
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Loads 11-Modified: 03
 11S-Modified: 00
 Type 3: 00
 Type 3&2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 02/01/1901
 253 Fed Notify Date: 02/01/1901

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0057-0

Morgan

SUFF. RATING

26.75

Location & Geography

* Structure I.D. No: 211-0057-0

* 200 Bridge Information 06

* 6A Feature Int: BIG INDIAN CREEK

* 6B Critical Bridge: 0

* 7A Route Number Carried: CR00251

* 7B Facility Carried: SEVEN ISLAND ROAD

* 9 Location: 2 MILE OF CROFFREY

2 DIST District 2

207 Year Photo: 2006

* 91 Inspection Frequency: 24 Date: 08/10/2006

92A Fract Crct Insp Freq: 12 Date: 08/10/2006

92B Underwater Insp Freq: 00 Date: 02/01/1901

92C Other Spec. Insp Freq: 00 Date: 02/01/1901

* 4 Place Code: 00000

* 5 Inventory Route (OVID): 1

Type: 4

Designation: 1

Number: 02156

Direction: 0

* 16 Latitude: 33-27.8200 MMS Prefix:

* 17 Longitude: 83-28.3870 MMS Suffix: MP: 0.00

98 Border Bridge: 000 %Shared: 00

99 ID Number: 00000000000000

* 100 STRAIGHT: 0

12 Base Highway Network: 1

13A LRS Inventory Route: 2112025100

13B Sub Inventory Route: 0

* 101 Parallel Structure: N

* 102 Direction of Traffic: 2

* 264 Road Inventory Mile Post: 062.07

* 208 Inspection Area: 02 Initials: JTB

Engineer's Initial: sgm

* Location I.D. No: 211-02156F-004.84N

Signs & Attachments

* 104 Highway System: 0

* 26 Functional Classification: 07

* 204 Federal Route Type: S No.: 02156

* 105 Federal Lands Highway: 0

* 110 Truck Route: 0

* 206 School Bus Route: 1

* 217 Benchmark Elevation: 0000.00

218 Datum: 0

* 19 Bypass Length: 02

* 20 Toll: 5

* 21 Maintenance: 02

* 22 Owner: 02

* 31 Design Load: 0

* 37 Historical Significance: 5

205 Congressional District: 09

27 Year Constructed: 1936

106 Year Reconstructed: 0000

33 Bridge Median: 0

34 Skew: 00

35 Structure Flared: 0

38 Navigation Control: 0

213 Special Steel Design: 4

267 Type of Paint: 6

* 42 Type of Service on: 1

214 Movable Bridge: 0

203 Type Bridge: M-D-M-O

259 Pile Encasement: 3

* 43 Structure Type Main: 3 03

45 No. Spans Main: 001

44 Structure Type Appr: 0 00

46 No. Spans Appr: 0000

226 Bridge Curve Horiz: 0

111 Pier Protection: 0

107 Deck Structure Type: 1

108 Wearing Surface Type: 6

Mt 0

F 0

225 Expansion Joint Type: 00

242 Deck Drains: 0

243 Parapet Location: 0

Height: 0 00

Width: 0 00

238 Curb: 1 70 5

239 Handrail: 0 0

* 240 Median Barrier Rail: 0

241 Bridge Median Height: 0.00

Width: 0.00

* 250 Guardrail Loc Dir Rear: 0

Fwd: 0

Oppo Dir Rear: 0

Fwd: 0

244 Approach Slab: 0

224 Retaining Wall: 5

233 Posted Speed Limit: 55

236 Warning Sign: 1

234 Deflector: 0

235 Hazard Boards: 1

237 Utilities Gas: 00

W 00

File 00

Telephone: 00

St 00

247 Lighting Street: 0

Navigation: 0

Aerial: 0

* 248 County Continuity No: 00

Report Date: 3/10/2007

SIA-1

BRIDGE INVENTORY DATA LISTING GEORGIA DEPARTMENT OF TRANSPORTATION

Structure ID: 211-0057-0

Morgan

STIFF. RATING

26.75

Programming Data

201 Project No. COUNTY FUNDS
 202 Plans Available 0
 249 Prop. Proj. No. CSBRG-0006-400
 250 Approval Status. 0000
 251 P.I. No. 0006433
 252 Contract Date: 02/01/2008
 260 Seismic No. 00000
 75 Type Work: 31 I
 94 Bridge Imp Cost: \$ 103
 95 Roadway Imp. Cost: \$ 165
 96 Total Imp Cost \$ 306
 76 Imp Length: 001387
 97 Imp. Year: 1990
 114 Future ADT: 000720 Year: 2025

Measurements

* 29 ADT: 000480 Year: 2005
 109 % Trucks: 0
 * 28 Lanes On: 02 Under: 00
 210 No. Tracks On: 00 Under: 00
 * 48 Max. Span Length: 0067
 * 49 Structure Length: 67
 51 Br. Rwdy. Width: 23.70
 52 Deck Width: 25.80
 * 47 Tot. Horiz. Cl: 23.70
 50 Curb/SideWk Width: 0.80/0.80
 32 Approach Rwy Width: 020
 * 229 Shoulder Width: 6.00 Type: 8 RE: 6.00
 Rear Lt: 6.00 Type: 8 RE: 6.00
 Fwd Lt: 6.00 Type: 8 RE: 6.00
 Pavement Width:
 Rear: 20.00 Type: 2
 Fwd: 20.00 Type: 2
 36 Safety Features Br. Rail:
 Transition:
 App. G. Rail: 0
 App. Rail End: 0
 53 Minimum Cl. Over:
 Under: N
 228 Min. Vertical Cl:
 Act Odm Dir: 99 ' 99 "
 Opp. Dir: 99 ' 99 "
 Posted Odm. Dir: 00 ' 00 "
 Opp. Dir: 00 ' 00 "
 55 Lateral Undercl. Rt: N 99.90
 56 Lateral Undercl. Lt: 0.00
 * 10 Max Min Vert Cl: 99 ' 99 " Dir: 0
 39 Nav Vert Cl: 000 Horiz: 0000
 116 Nav Vert Cl Closed: 000
 245 Deck Thickness Main: 7.00
 Deck Thick Approach: 0.00
 246 Overlay Thickness: 3.00
 212 Year Last Painted: Sup: 1936 Sub: 0000

Hydraulic Data

215 Waterway Data
 Highway Elev.: 0099.0 Year: 1900
 Avg. Streambed Elev.: 0000.0 Freq.: 00
 Drainage Area: 00000
 Area Of Opening: 000000
 113 Scour Critical: 11
 216 Water Depth: 01.8 Br. Height: 09.7
 222 Slope Protection: 0
 221 Spur Dikes Rear: 0 Fwd: 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 ID No: 211-02156F-004.84N

Report Date: 3/30/2007

Ratings

65 Inventory Rating Method: 5
 63 Inventory Rating Method: 5
 66 Inventory Type: 2 Rating: 03
 64 Operating Type: 2 Rating: 15
 231 Calculated Loads
 IIS-Modified: 03 I
 IIS-Modified: 00 0
 Type 3: 00 0
 Type 3s2: 00 0
 Timber: 00 0
 Piggyback: 00 0
 261 I1 Inventory Rating: 03
 262 I1 Operating Rating: 11
 67 Structural Evaluation: 2
 58 Deck Condition: 5
 59 Superstructure Condition: 5
 * 227 Collision Damage: 0
 60A Substructure Condition: 5
 60B Scour Condition: 6
 60C Underwater Condition: N
 71 Waterway Adequacy: 6
 61 Channel Protection Cmd: 6
 68 Deck Geometry: 4
 69 UnderClr. Horiz/Vert: N
 72 Appr. Alignment: 6
 62 Culvert: N

Posting Data

70 Bridge Posting Required: 0
 41 Struct Open, Posted, Cl: P
 * 103 Temporary Structure: 0
 232 Posted Loads IIS-Modified: 03
 IIS-Modified: 00
 Type 3: 00
 Type3s2: 00
 Timber: 00
 Piggyback: 00
 253 Notification Date: 02/01/1901
 253 Fed Notifv Date: 02/01/1901 0

SIA-2

FLEXIBLE PAVEMENT DESIGN ANALYSIS

Project: CSBRG-0006-00(432)

County: MORGAN

P.I. no.: 0006432

Description: BRIDGE REPLACEMENT ON CR 251/SEVEN ISLAND RD. OVER BIG INDIAN CRE

Traffic Data (NOTE: AADTs are one-way)

24-hour Truck Percentage: 6.00%

AADT initial year of design period: 350 vpd (2009)

AADT final year of design period: 500 vpd (2029)

Mean AADT (one-way): 425 vpd

Design Loading

Mean AADT	LDL	Trucks	18-K ESAL	Total Daily Loads
425 *	1.00 *	0.060 *	0.40	= 11

Total predicted design period loading = $11 * 20 * 365 = 80,300$

Design Data

Terminal Serviceability Index: 2.50

Soil Support: 2.50

Regional Factor: 1.60

PROPOSED FLEXIBLE PAVEMENT STRUCTURE

Material	Thickness Inches	Thickness (mm)	Structural Coefficient	Structural Value
9.5 mm Superpave	1.50	(38)	0.44	0.66
19 mm Superpave	2.00	(51)	0.44	0.88
25 mm Superpave	1.00	(25)	0.44	0.44
	6.00	(152)	0.30	1.80
Graded Aggregate Base	12.00	(305)	0.16	1.92
Required SN = 3.04			Proposed SN = 5.70	

>>> Proposed pavement is 87.7% Overdesign <<<

Remarks: Standard Pavement Section for Local Road

Prepared by Adolfo Guzman January 10, 2008
Date

Recommended State Materials & Research Engineer Date

Approved District Engineer Date

Estimated Traffic Assignments

Project Number: CSBRG-0006-00(432)

Morgan County

P.I. No. 0006432

CR 251/Seven Island Road has an average traffic volume of approximately 670 vehicles per day (VPD). See Table 1 below. The existing level of service (LOS) is A. The proposed improvements will have a LOS A for the design year.

Table 1
CR 251/Seven Island Road over Big Indian Creek
Traffic Volumes (VPD)

	Existing (2006)	Build-Year (2009)		Design-Year (2029)	
		Build	No-Build	Build	No-Build
CR 251/ Seven Island Road over Big Indian Creek (vpd)	670	700	700	1,000	1,000
% Trucks	6%	6%	6%	6%	6%
Trucks (vpd)	41	42	42	60	60
LOS	A	A	A	A	A

* LOS was determined based on the Georgia Regional Transportation Authority's (GRTA) Technical Guidelines. The LOS criteria in GRTA's Technical Guidelines were adopted from Florida DOT's LOS Handbook.



MEETING MINUTES

DATE: October 10, 2007

LOCATION: Madison Area Office, Area Five
1570 Bethany Road
Madison, GA 30650

PROJECTS: CSBRG-0006-00(432) Morgan, County, P.I No. 0006432

ATTENDEES:

Renee Decker	GDOT, District 2	renee.decker@dot.state.ga.us
Bryan Gibbs	GDOT, Area Engineer	bryan.gibbs@dot.state.ga.us
Alan Davis	GDOT, District 2	kenneth.davis@dot.state.ga.us
Stan Hicks	KCI Technologies	shicks@kci.com
Janet Crouse	KCI Technologies	jcrouse@kci.com
Mike Stoltzfus	KCI Technologies	mstoltzfus@kci.com
Joe Garland	Clark Patterson Associates	jgarland@clarkpatterson.com
Adolfo Guzman	Clark Patterson Associates	aguzman@clarkpatterson.com

This meeting was held to discuss the proposed Concept Report, and basically followed the attached agenda.

Introduction

Mike Stoltzfus (MS) of KCI Technologies opened the meeting. He explained that KCI Technologies is the prime consultant and that Clark Patterson Associates is the subconsultant responsible for the development of the concept and roadway design.

I. Meeting Purpose

MS stated that the purpose of the Concept Meeting was to present the proposed concept and alternatives and to discuss project issues to produce a better understanding of the project scope and objectives.

DESIGN PROFESSIONALS

350 TOWN CENTER AVENUE, SUITE 201 ■ SUWANEE, GEORGIA 30024
WWW.CLARKPATTERSON.COM ■ TEL: (770) 831-9000 ■ FAX: (770) 831-9243

MINUTES OF MEETING

CR 251/Seven Island Road @ Big Indian Creek

October 10, 2007

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II. Project Identification

MS stated that project CSBRG-0006-00(432) P.I. No. 00063432 in Morgan County consists of the replacement of the substandard bridges on CR 251/Seven Island Road over Big Indian Creek.

III. Project Schedule

MS stated that Concept approval is expected by December 27, 2007.

Renee Decker (RD) stated the current schedule is FY 2010 however the schedule may be moved to 2009 due to the need to replace the weight limited bridges.

Adolfo Guzman (AG) stated that a Public Information Open House (PIOH) is necessary to alert the community of the detour.

IV. Project Issues

- Evaluate Need and Purpose Statement - MS went over the Need and Purpose. In summary, the project is needed because the existing bridges are substandard and have low structural evaluation and sufficiency ratings.
- Environmental - KCI is responsible for the environmental investigation along the corridor. MS provided environmental handout (see attachment) noting protected species in the area but none within the project area, traditional navigable waters impacts, wetland impacts, archaeology and history. Maps for preliminary wetland delineation and archaeology site shovel tests were provided. Environmental concerns to be considered in order of importance are history, archeology and ecology. The alternative presented today utilized the existing alignment. Archaeological sites were found in the southwest approach side. AG stated that the document would be a Categorical Exclusion (CE). Stan Hicks (SH) acknowledged a CE is expected.
- AG stated the public input to date concerning the project was a letter from the Morgan County Board of Commissioners concerning closure of the bridge during April 15 and July 1. Bryan Gibbs (BG) stated he would respond to the Vice-Chairman.
- Alternatives considered – None Considered
- No design variances or exceptions expected after the draft design policy revision is approved.
- Vertical alignment has not been set – awaiting bridge hydraulic study with required elevation provided. MS stated that bridge sub-consultant would be given notice to proceed after concept report approval. Preliminary horizontal alignment matches existing.
- Typical section – proposed 2-12 LF lanes with 10 LF unpaved shoulder. It was a discussion of whether paved shoulder would be required. RD advised to use a 10 LF unpaved shoulder for design at this time. Bridge width would be 30 LF wide.
- A Practical Alternative Report (PAR) is not expected on this project.

MINUTES OF MEETING

CR 251/Seven Island Road @ Big Indian Creek

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- Right-of-Way – an additional twenty foot wide strip left and right of roadway is proposed for a total 120 foot width.
- Utilities noted are telephone and power located on the north side of the roadway. BG stated that consideration of the utilities and right of way should be given to the placement of the bridge construction equipment during the construction of the bridge.
- The accident rates are below the statewide averages for the respective years. The current and design year Level of Service (LOS) for CR 251 meets Level A
- Maintenance of Traffic – road/bridge will be closed for construction. The current traffic ADT = 670 and a practical detour route is available. Detour plan will be presented at PIOH and will be submitted for approval during the preliminary plan development phase.
- Project Schedule will depend upon Environmental approval ultimately.
- Due to safety ratings of bridge the No Build option was eliminated.
- Estimated Construction Cost including Right-of-Way = approximately \$1,760,344.39. RD stated the bridge cost should be \$90.00/sq. ft.

Distribution: Attendees
File

AGENDA

CSBRG-0006-00(432), Morgan County CR 251/Seven Islands Road @ Big Indian Creek & Overflow

Concept Team Meeting

October 10, 2007

Introduction

I. Meeting Purpose – To present the proposed concept and alternatives and discuss project issues to produce a better understanding of the project scope and objectives. Allow attendees the opportunity to contribute to the concept process to produce a high quality concept report.

II. Project Identification

**CSBRG-0006-00(432) CR 251/Seven Islands Road @ Big Indian Creek & Overflow -
Bridge Replacement**

III. Project Schedule

IV. Project Issues (As Applicable)

- Evaluate need and purpose statement
- Project background
- Location of environmental resources such as:
 - Wetlands
 - Potential historic properties and historic sites
- Public input to date
- Alternatives considered and rejected to date sufficient for inclusion into the environmental document
- Design guidelines proposed to be used
- Horizontal and vertical alignments
- Typical sections
- Practical Alternative Report (PAR)
- Type of environmental document required
- Environmental permits/studies required (Section 404, TVA, 4(f), biological assessments, etc.)
- Determine status and type of Local Government Agreements (LGPA), Project Management Agreements
- Right-of-Way requirements/estimate including easements:
 - Potential number of parcels
 - Number of Relocatees,
 - Estimated right-of-way cost
 - Who will be responsible for purchasing the right-of-way
- Name, size, and location of utilities along the project (including utility cost estimates),
- Preliminary bridge assessments and structural needs including retaining and noise walls,
- Accident history,
- Potential soil conditions along project,
- Construction limits,
- Maintenance of traffic (detour, closed, or constructed under traffic),

NEPA: Kitchings

DATE: November 7, 2007

ROUTE SLIP FOR PROJECT CONCEPT REPORTS

PROJECT NUMBER CSBRG-0006-00(432)

P.I. NUMBER 0006432

COUNTY MORGAN

PROJECT CONCEPT REPORT CR 251 / Seven Island Rd. Bridge Replacement over Big Indian Creek

PLEASE REVIEW AND FORWARD. PRINT ANY COMMENTS YOU HAVE ON THE
ATTACHED SHEET IN INK AND INITIAL ON THIS SHEET.

		INITIAL	DATE-IN	DATE-OUT
1.	RICH WILLIAMS	<u>RW</u>	<u>11/13</u>	<u>11/13</u>
	A. Rowe Bowen	<u>WRB</u>	<u>11-07</u>	<u>11-07</u>
	B. Mara Lindsley	<u>MLL</u>	<u>11/8</u>	<u>11/8</u>
2.	SUSAN KNUDSON	<u>SBK</u>	<u>11/8</u>	<u>11/8</u>
	A. Jonathan Cox	<u>JC</u>	<u> </u>	<u>11/14/07</u>
	B. Keisha Jackson	<u>KJ</u>	<u>11/8</u>	<u>11/8</u>
3.	GAIL D'AVINO	<u>GD</u>	<u> </u>	<u>11/14</u>
4.	GLENN BOWMAN	<u> </u>	<u> </u>	<u>11/14</u>
5.	LINDA CAPACCIO	<u>LC</u>	<u>11/15</u>	<u>11/19</u> <i>memos sent out</i>

1. RICH WILLIAMS

A. Rowe Bowen

① The bridges ~~are~~ listed as not eligible in the GHBS. ✓

B. Mara Lindsley

2. SUSAN KNUDSON

A. Jonathan Cox

② This project has Dec 08 Row ^{AUTHORIZATION DATE.} # Env. needs to be well underway ^{soon} ~~now~~ or risk ^{IN} missing ^{THE} schedule.
 THERE IS A STRONG

B. Keisha Jackson

3. GAIL D'AVINO

4. GLENN BOWMAN

SATISFACTORY ...

①

②

Comments.

Morgan County Board of Commissioners

Office of the Vice-Chairman

355 Hancock Street
P.O. Box 168
Madison, GA 30650
(706) 342-0725

June 19, 2007

Received
6-22-07
ZC

Lori Kennedy
6300 Powers Ferry Road
Bldg. 600, Suite 341
Atlanta, Georgia 30339

Dear Ms. Kennedy:

As per your May 30 correspondence regarding DOT Project CSBRG-0006-00(432), there is a special concern I feel compelled to share with you; a local business relies heavily on heavy truck traffic for hauling between April 15 and July 1; and, any bridge closure during this period would prove extremely detrimental to his livelihood. Due to this fact, I am respectfully requesting the necessary work be done some time other than the aforementioned timeframe.

If you have any questions regarding this correspondence, please do not hesitate to contact me at (706) 818-3175. Thank you for your time and consideration.

Sincerely,



Chester Thomas
Vice-Chairman, Board of County Commissioners