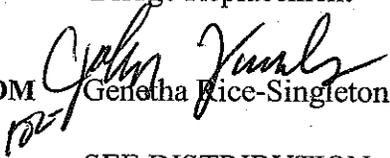


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0007394, Morgan County **OFFICE** Preconstruction
CSBRG-0007-00(394)
CR 246/Brownwood Road over Big Indian Creek-
Bridge Replacement **DATE** September 12, 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

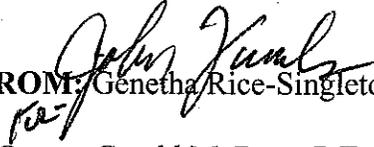
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0007394, Morgan County
CSBRG-0007-00(394)
CR 246/Brownwood Road over Big Indian 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 246/Brownwood Road over Big Indian Creek, 4.5 miles southwest of Madison, Georgia. The existing bridge, constructed in 1960, is a 75'x 27.6' concrete structure with a sufficiency rating of 36. County Road 246 at this location is a rural two lane roadway with 11' lanes, and 5' rural shoulders (2' paved). County Road 246 is classified as a rural local road. The base year traffic (2011) along this section of CR 246 is 725 VPD. The design year (2031) volumes are projected to be 822 VPD. The posted and proposed speed design is 55 MPH.

The project proposes to construct a new 130'x 28' concrete bridge over Big Indian Creek at the existing bridge site. The approaches will consist of two, 11' lanes with 6' rural shoulders (2' Paved). The existing bridge will be closed to traffic during construction. Morgan County will be responsible for the signing and maintenance or detour routes.

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

The estimated costs for this project are:

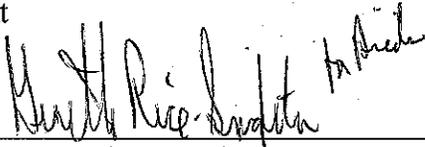
	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 1,282,000	\$ 3,322,000	L110	LR
Right-of-way & Utilities	Local	Local	Local	Local

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

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

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR  *Mark H. Rice*

Director of Preconstruction

APPROVED  *Gerald M. Ross*

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

Quarles, Johnny

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

Peter:

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

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

Mr. Quarles has asked that we do the following:

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

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

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

Thanks.

Ted:

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

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

Thanks.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: *CSBRG-0007-00(394), Morgan County*
PI No. 0007394
Bridge Replacement on C.R. 246 Brownwood Road over Big Indian Creek

OFFICE: District 2 Design
DATE: May 27, 2008

FROM: Foster Grimes, 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 Foster Grimes at (478) 552-4643.

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

Project Concept Report Page 1
Project Number: CSBRG-0007-00(394)
P. I. Number: 0007394
County: Morgan

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District 2 Design

PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(394)

County: Morgan

P. I. Number: 0007394

Federal Route Number: N/A

State Route Number: N/A

County Route Number: 246

C.R. 246/ Brownwood Road over Big Indian Creek

Recommendation for approval:

DATE 5/29/2008

Foster C. Barnes

Project Manager

DATE 5/28/08

Anthony J. Collins
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 _____

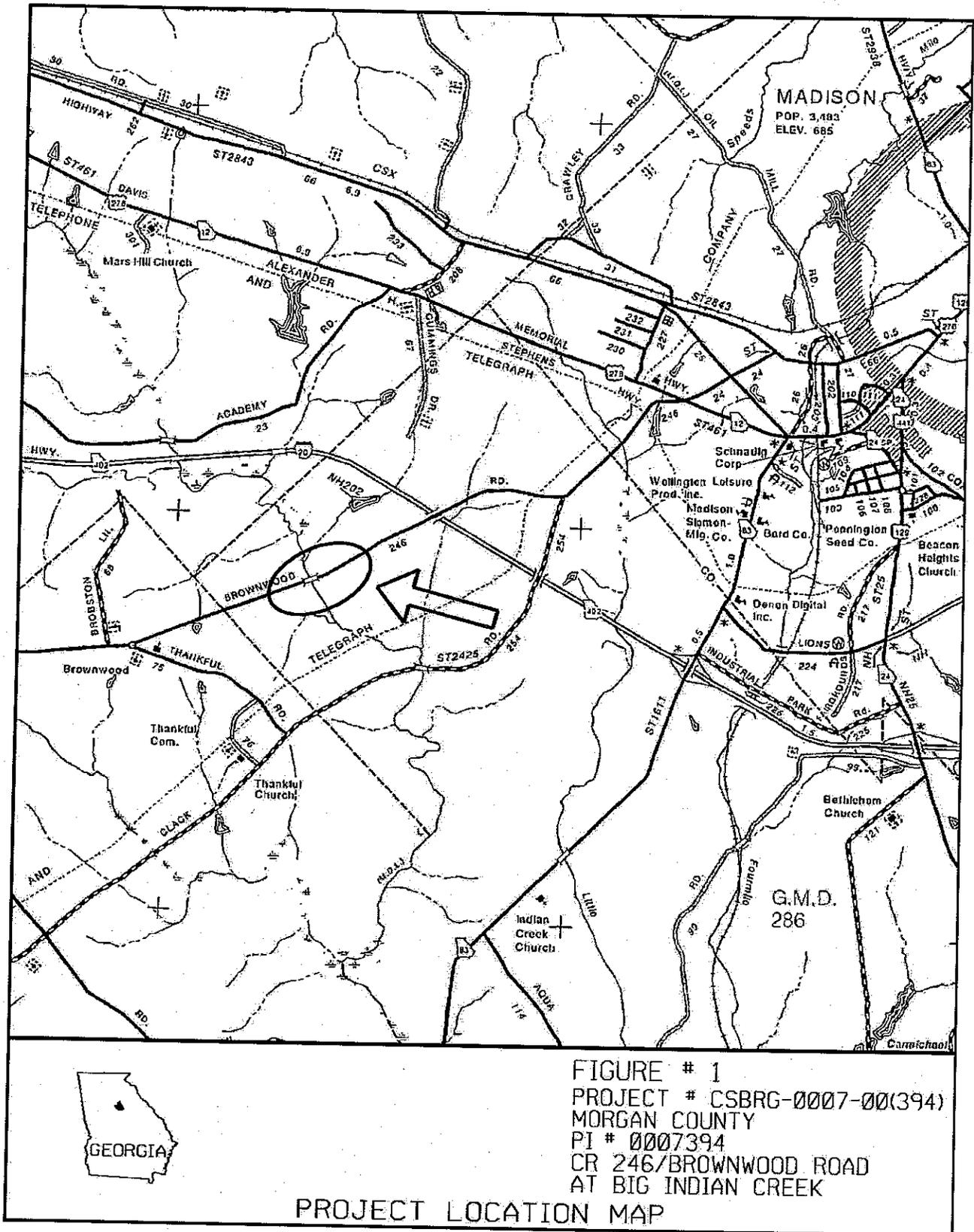
State Traffic Safety and Design Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge Design Engineer



Need and Purpose

Project Number CSBRG-0007-00(394) will replace the structurally deficient bridge located on CR 246/Brownwood Road over Big Indian Creek in Morgan County. The bridge over Big Indian Creek is located approximately 4.5 miles southwest of Madison. The Georgia Department of Transportation Maintenance Office has inspected this bridge and the condition of the bridge deck, superstructure and structural components have contributed to the overall bridge sufficiency rating. The operating load rating for this bridge is below standard limits and the bridge is presently posted as load limited. There is temporary shoring in place for the bridge substructure.

The bridge over Big Indian Creek was constructed in 1960 and has a sufficiency rating of 36.64. 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 246/Brownwood Road over Big Indian Creek is functionally classified as a Rural Minor Collector and is designated as a school bus route. The posted speed limit along CR 246/Brownwood Road is 55 mph. The Average Daily Traffic (ADT) has been projected to be 752 in 2011 and 822 in 2031 with 5 percent trucks. Based on the ADT, the level of service for CR 246/Brownwood 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 246/Brownwood 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(394) is a bridge replacement project of the existing bridge located in Morgan County on CR 246/Brownwood Road over Big Indian Creek, approximately 4.5 miles southwest of Madison. The gross total project length is approximately 1650 feet, beginning at M.P. 5.38 and extending to M.P. 5.70. The purpose of this project is to replace the structurally deficient and functionally obsolete bridge on CR 246/Brownwood Road over Big Indian Creek, because it has a Sufficiency Rating of only 36.64. The proposed Big Indian 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? Yes No.

PDP Classification: Major _____ Minor: X

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

Functional Classification: Rural Minor Collector

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

County Route Number(s): 246

Traffic (AADT):

Current Year: (2011) 752 Design Year: (2031) 822

Existing design features:

- Typical Section: The existing typical section consists of two 11-foot lanes, 2-foot paved shoulders and 4-foot grassed shoulders.
- Posted speed: 55 mph
- Minimum radius for curve: 3000'
- Maximum super-elevation rate for curve: 6%
- Maximum grade: 3.5% (East), 6% (West)
- Width of right-of-way: 80 feet
- Major structures: The existing Big Indian Creek Bridge is 75 feet long, with a 27.60-foot wide concrete deck and a sufficiency rating of 36.64.
- 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 4-foot grassed shoulders.
- Proposed Design Speed: 55 mph
- Proposed Maximum grade Mainline: 4%
- Maximum grade allowable: 6%
- Proposed Maximum grade Side Street: 4%
- Maximum grade allowable: 10%

- Proposed Maximum grade driveway: 11%
- Proposed Minimum radius of curve: 3000'
- Minimum radius allowable: 1060'
- Right-of-Way
 - Width: 100 feet (right of way to right of way)
 - Easements: Temporary (), Permanent (X), Utility (), Other ()
 - Type of access control: Full (), Partial (), By Permit (), Other (X)
 - Number of parcels: 4 Number of displacements:
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridges: The proposed concrete bridge will be ^{28' total 8/25/2008} 30 feet wide (gutter to gutter) and approximately 130 feet long, consisting of two 11'-0" travel lanes and 4'-0" shoulders.
Retaining walls: None
- Major intersections and interchanges: None
- Traffic control during construction: C.R. 246/ Brownwood Road will be closed during the construction of the proposed bridge and traffic will be maintained on an offsite detour. The local government will be responsible for providing the offsite detour.

• Design Exceptions to controlling criteria anticipated:

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

- Design Variances: A design variance will be needed on this project for the lane width and shoulder width. GDOT Policy states that a local road, 50 mph or greater, should have a lane width of 12 feet and a shoulder width of 10 feet (6.5 feet paved). 11-foot lanes and a 6-foot shoulder (2-foot paved) will be used on this project to match the existing roadway.
- Environmental concerns: Anticipate Section 404 Permit, due to the presence of a wetland on the north side of the existing road, approximately 350 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, historical, archeological, etc. impacts. An offsite detour PIOH will be required to notify the public of the upcoming road closure for construction.
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (X), No (),
 - Categorical exclusion (X),

- Environmental Assessment/Finding of No Significant Impact (FONSI) (), or
- Environmental Impact Statement (EIS) ().
- Utility involvements:
 - Power- Walton EMC
 - Phone - AT & T

VE Study Required: Yes () No (X)

Project responsibilities:

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

Coordination

- Initial Concept Meeting date and brief summary. Attach minutes.
- Concept meeting date and brief summary. Attach minutes.
- P A R meetings, dates and results: N/A
- FEMA, USCG, and/or TVA: N/A - FEMA coordination will not be required for this project.
- Other projects in the area: GDOT P.I. # 0007395
- Railroads: N/A
- Local Government Commitments: The local government will be asked to relocate any facilities that they own. They will be responsible for the purchasing of right of way and providing detours.
- Other coordination to date: None

Scheduling – Responsible Parties' Estimate

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

Other alternates considered: (1) Construct proposed bridge on existing alignment using an onsite detour to maintain traffic on CR 246/Brownwood Road over Big Indian Creek. (2) Permanent realignment of CR 246/Brownwood Road and construction of new bridge over Big Indian Creek, while maintaining traffic on the existing alignment. (3) Temporarily close CR 246/Brownwood Road and construct new bridge on existing alignment, using an offsite detour to maintain traffic for CR 246/Brownwood Road. (4) No Build.

Estimate Report for file "0007394_Brownwood Rd"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSBRG-0007-00(394)	50000.00
210-0100	Lump	LS	275000.00	GRADING COMPLETE - CSBRG-0007-00(394)	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
402-3110	250	TN	66.24	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	16560.00
402-3121	1200	TN	63.07	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	75684.00
402-3190	350	TN	63.41	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	22193.50
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:					\$612,495.14

Section EROSION CONTROL- PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	4	AC	1071.92	PERMANENT GRASSING	4287.68
700-7000	12	TN	60.17	AGRICULTURAL LIME	722.04
700-7010	10	GL	21.73	LIQUID LIME	217.30
700-8000	4	TN	295.96	FERTILIZER MIXED GRADE	1183.84
700-8100	400	LB	2.47	FERTILIZER NITROGEN CONTENT	988.00
710-9000	250	SY	4.57	PERMANENT SOIL REINFORCING MAT	1142.50
716-2000	3000	SY	1.14	EROSION CONTROL MATS, SLOPES	3420.00
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- 130 FT X 28 FT - STA. 110+00	291200.00
540-1101	Lump	LS	75000.00	REMOVAL OF EXISTING BR, STA NO - 110+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: \$1,094,912.82

Subtotal Construction Cost \$1,094,912.82

E&C Rate 17.0 % \$186,135.18

Inflation Rate 0.0 % @ 0 Years \$0.00

Total Construction Cost \$1,281,048.00

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$1,281,048.00

PROJECT #		COUNTY	UTILITY COST ESTIMATE		P.I. NUMBER	LAYOUT DATE
CSBRG-0007-00 (394)		Morgan	PROJECT DESCRIPTION		0007394	3/14/2008
REIMBURSABLE QUANTITY	NON-REIMBURSABLE QUANTITY	UNITS	ITEM DESCRIPTION	POWER	PRIVATE UTILITY COST	PUBLIC UTILITY COST
			CR 246/Brownwood Road @ Big Indian Creek	WALTON EMC		
			Walton EMC has aerial facilities located along the Northern side of CR 246 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 aerial facilities located along the Northern side of CR 246 within the existing RW throughout the project limits that should not be eligible for reimbursement. In addition, there is an existing abandoned 1"AT&T conduit attached to the northern side of the bridge and can be removed during construction. AT&T Communications Inc. has a buried fiber located off the existing RW on the north side of CR 246, and will be reimbursable if in conflict with construction. 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			
			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 "0007394_Brownwood Rd (Morgan) Alt 1"

Section Temporary Detour					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
541-0001	Lump	LS	85000.00	DETOUR BRIDGE - 100 * 28	85000.00
999-0001	Lump	Lump Sum	350000.00	CONSTRUCT AND REMOVE TEMPORARY DETOUR	350000.00
Section Sub Total:					\$435,000.00

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	50000.00	TRAFFIC CONTROL - CSBRG-0007-00(394)	50000.00
210-0100	Lump	LS	275000.00	GRADING COMPLETE - CSBRG-0007-00(394)	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
402-3110	250	TN	66.24	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	16560.00
402-3121	1200	TN	63.07	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	75684.00
402-3190	350	TN	63.41	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	22193.50
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:					\$612,495.14

Section EROSION CONTROL- PERMANENT					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	4	AC	1071.92	PERMANENT GRASSING	4287.68
700-7000	12	TN	60.17	AGRICULTURAL LIME	722.04
700-7010	10	GL	21.73	LIQUID LIME	217.30
700-8000	4	TN	295.96	FERTILIZER MIXED GRADE	1183.84
700-8100	400	LB	2.47	FERTILIZER NITROGEN CONTENT	988.00
710-9000	250	SY	4.57	PERMANENT SOIL REINFORCING MAT	1142.50
716-2000	3000	SY	1.14	EROSION CONTROL MATS, SLOPES	3420.00
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	470000.00	CONSTRUCT BRIDGE COMPLETE- 130 FT X 30 FT - STA. 110+00	470000.00
540-1101	Lump	LS	75000.00	REMOVAL OF EXISTING BR, STA NO - 110+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:					\$562,985.00

Total Estimated Cost: \$1,708,712.82

Subtotal Construction Cost	\$1,708,712.82
E&C Rate 10.0 %	\$170,871.28
Inflation Rate 0.0 % @ 0 Years	\$0.00
<hr/>	
Total Construction Cost	\$1,879,584.10
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
<hr/>	
Grand Total Project Cost	\$1,879,584.10

Bridge Inventory Data Listing
Georgia Department of Transportation.

Morgan

SUFF. RATING: 36.64

211-5042-0
06
BIG INDIAN CREEK
0
CR00246
BROWNWOOD ROAD
4.5 MI SW OF MADISON
2
2006
24 Date: 9/29/2006
00 Date: 2/1/1901
00 Date: 2/1/1901
00 Date: 2/1/1901
00000
1
4
1
00246
0
33 - 34.0630 HMMS Prefix:
83 - 32.2540 HMMS Suffix:
MP:0.00
000 % Shared: 00
000000000000000
0
1
2112024600
0
N
2
005.54
02 Initials: JTB
sgm

211-00246X-005.54E

*104 Highway System: 0
*26 Functional Classification: 08
*204 Federal Route Type: 0 No. 00000
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: 05
*20 Toll: 3
*21 Maintenance: 02
*22 Owner: 02
*31 Design Load: 1
37 Historical Significance: 5
205 Congressional District: 09
27 Year Constructed: 1960
106 Year Reconstructed: 0000
33 Bridge Median: 0
34 Skew: 00
35 Structure Flared: 0
38 Navigation Control: 0
213 Special Steel Design: 0
267 Type of Paint: 0
*42 Type of Service on: 1
Type of Service under: 5
214 Movable Bridge: 0
203 Type Bridge: C K O O
259 Pile Encasement: 3
*43 Structure Type Main: 1 01
45 No. Spans Main: 005
44 Structure Type Appr: 0 00
46 No. Spans Appr: 0000
226 Bridge Curve Horz: 0 Vert: 0
111 Pier Protection: 0
107 Deck Structure Type: 2
108 Wearing Surface Type: 6
Membrane Type: 0
Deck Protection: 0

Signs & Attachments
225 Expansion Joint Type: 02
242 Deck Drains: 1
243 Parapet Location: 0.00
Height: 0.00
Width: 0.00
238 Curb Height: 1.2
Curb Material: 1
239 Handrail: 3 3
*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: 1
237 Utilities - Gas: 00
Water: 00
Electric: 31
Telephone: 00
Sewer: 00
247 Lighting - Street: 0
Navigation: 0
Aerial: 0
*248 County Continuity No.: 00

	Measurements		Ratings	
COUNTY FUNDS	*29 ADT:	001260 Year: 2005	65 Inventory Rating Method:	2
0	189% Trucks:	0	63 Operating Rating Method:	2
BRG-0007-00(394)	*28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 13
0 0 0 0	210No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 29
0007394	*48 Max. Span Length:	0015	231 Calculated Loads	
2/1/1901	*49 Structure Length:	75	H-Modified:	11 1
00000	51 Br. Rwdy. Width:	24.00	HS-Modified:	20 0
31 1	52 Deck Width:	27.60	Type 3:	14 1
\$82	*47 Tot. Horiz. Cl:	24.00	Type 3s2:	22 1
\$169	50 Curb / Sidewalk Width:	0.50 / 0.50	Timber:	19 1
\$289	32 Approach Rdwy. Width:	022	Piggyback:	00 0
001395	*229 Shoulder Width:		261 H Inventory Rating:	10
1990	Rear Lt:	4.0 Type: 8 Rt: 4.0	262 H Operating Rating:	15
001890 Year: 2025	Fwd Lt:	4.0 Type: 8 Rt: 4.0	67 Structural Evaluation:	2
	Pavement Width:		58 Deck Condition:	6
	Rear:	22.0 Type: 2	59 Superstructure Condition:	6
		22.0 Type: 2	*227 Collision Damage:	0
	Intersection Rear:	0 Fwd: 0	60A Substructure Condition:	5
0098.0 Year: 1900	36 Safety Features Br. Rail:	3	60B Scour Condition:	6
0000.0 Freq.: 00	Transition:	0	60C Underwater Condition:	N
0085.2	App. G. Rail:	0	71 Waterway Adequacy:	8
00000	App. Rail End:	0	61 Channel Protection Cond.:	7
000000	53 Minimum Cl. Over:	99' 99 "	68 Deck Geometry:	4
U	Under:	N 00' 00 "	69 UnderClr. Horz/Vert:	N
02.0 Br. Height: 14.0	*228 Minimum Vertical Cl		72 Appr. Alignment:	8
I	Act. Odm Dir:	99' 99 "	62 Culvert:	N
0 Fwd: 0	Oppo. Dir:	99' 99 "		
0	Posted Odm. Dir:	00' 00 "	Posting Data	
0	Oppo. Dir:	00' 00 "	70 Bridge Posting Required:	3
000	55 Lateral Undercl. Rt:	N 0.0	41 Struct Open, Posted, CL:	P
0	56 Lateral Undercl. Lt:	0.0	*103 Temporary Structure:	0
0.00 Height: 0.00	*10 Max Min Vert Cl:	99' 99 " Dir: 0	232 Posted Loads	
0 Apron: 0	39 Nav Vert Cl:	000 Horiz: 0000	H-Modified:	11
0 Diver: ZZZ	116 Nav Vert Cl Closed:	000	HS-Modified:	00
	245 Deck Thickness Main:	12.00	Type 3:	14
	Deck Thick. Approach:	0.00	Type 3s2:	22
	246 Overlay Thickness:	1.00	Timber:	19
211-00246X-005.54E	212 Year Last Painted:	Sup: 0000 Sub: 0000	Piggyback:	00
			253 Notification Date:	2/1/1901
			258 Fed Notify Date:	2/1/1901

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(394), Morgan County

P.I. # 0007394

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 12, 2008*

Project CSBRG-0007-00(394) begins in Morgan County at Mile Post 5.38 on CR 246, approximately 4.5 miles southwest of Madison, and ends at Mile Post 5.70. The total project length is 0.32 miles. The proposed project includes the reconstruction of the existing bridge on CR 246/Brownwood Road over Big Indian Creek. The proposed typical section consists of two 11-foot travel lanes, 2-foot paved shoulders and 4-foot grassed shoulders. The proposed bridge will be 30 feet wide, gutter to gutter, consisting of two 11-foot lanes and 4-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.

PROJECT: CSBRG-0007-00(394)
P.I. # 0007394

SUBJECT: Traffic Assignments for C.R. 246/Brownwood Road @ Big Indian Creek in Morgan County.

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

2008 AADT = 650
2011 AADT = 752
2031 AADT = 822
K = 11.5%
D = 50%
T = 5%
24 HR. T. = 4%
S.U. = 3.5%
COMB. = 0.5%

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