

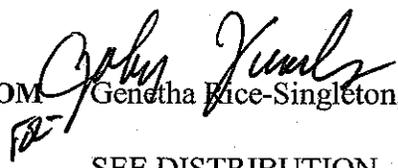
**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0008302, Wayne County
CSBRG-0008-00(302)
CR 185/Mikell Lake Road over Colemans Creek-
Bridge Replacement

OFFICE Preconstruction

DATE May 8, 2009

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:

Ron Wishon
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Glenn Durrence
Paul Liles
Brad Saxon
Dennis Odom
Billy Dampier
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: P.I. No. 0008302, Wayne County
CSBRG-0008-00(302)
CR 185/Mikell Lake Road over Colemans Creek -
Bridge Replacement

OFFICE: Preconstruction

DATE: April 20, 2009

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 185/Mikell Lake Road over Colemans Creek, 6.5 miles west of Screven, Georgia. The existing bridge, constructed in 1960, is a 120'x 24' concrete structure with a sufficiency rating of 22. County Road 185 at this location is a rural two lane roadway with 10' lanes, and 6' rural shoulders. County Road 185 is classified as a rural collector road. The current year traffic (2007) along this section of CR 185 is 125 VPD. The design year (2033) volumes are projected to be 250 VPD. The posted and proposed speed design is 55 MPH.

The project proposes to construct a new 150'x 24' concrete bridge over Colemans Creek at the existing bridge site. The approaches will consist of two, 10' lanes with 6' rural shoulders. The existing bridge will be closed to traffic during construction. Wayne 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 are appropriate.

The estimated costs for this project are:

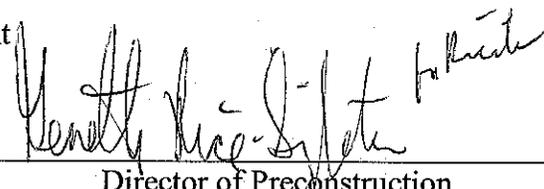
	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 1,821,000	\$2,550,745	L110	LR
Right-of-way & Utilities	Local	Local	Local	Local

* Wayne County signed LGPA for right-of-way and utilities 12-11-06

P.I. No. 0008302, Wayne County
Page 2
April 20, 2009

I recommend this project concept be approved.

GRS: JDQ
Attachment

CONCUR 

Director of Preconstruction

APPROVED 

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

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office: Jesup

Project Number: CSBRG-0008-00(302)

County: Wayne

P. I. Number: 0008302

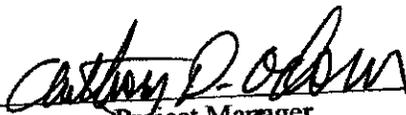
Federal Route Number: N/A

State Route Number: N/A

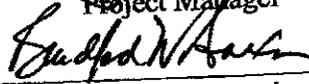
County Road 185

Recommendation for approval:

DATE 1-16-09

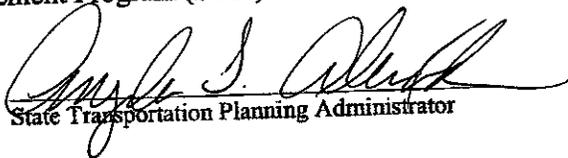

Project Manager

DATE 01-16-09


District 5 Preconstruction Engineer

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

DATE 3-2-09


State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

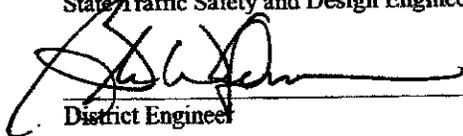
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 1-16-09


District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Engineer

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

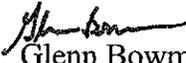
INTERDEPARTMENT CORRESPONDENCE

FILE: P.I. No. 0008302

OFFICE: Environment/Location

PROJECT No. CSBRG-0008-00(302) / WAYNE County DATE: 3/31/09

County Road 185

FROM:  Glenn Bowman, P.E., State Environmental/Location Engineer
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction
SUBJECT: PROJECT CONCEPT REPORT REVIEW

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

1. There are currently no management directed right of way or let dates shown in TPRO.
2. If the project encroaches within the 25-ft state mandated buffer of the pond or the stream, a Buffer Variance from EPD will be required. This will take approximately four (4) months to obtain.

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

GB:lc

cc: Ron Wishon
Angela Whitworth
Keith Golden
Angela Alexander
Glenn Durrence
Paul Liles

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office: Jesup

Project Number: CSBRG-0008-00(302)

County: Wayne

P. I. Number: 0008302

Federal Route Number: N/A

State Route Number: N/A

County Road 185

Recommendation for approval:

DATE 1-16-09

Anthony P. Odson
Project Manager

DATE 01-16-09

Bradford W. Harris
District 5 Preconstruction Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

DATE 3/31/09

Shawn Brown
State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 1-16-09

[Signature]
District Engineer

DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Engineer

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

Office: Jesup

Project Number: CSBRG-0008-00(302)

County: Wayne

P. I. Number: 0008302

Federal Route Number: N/A

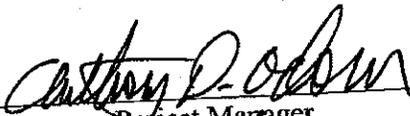
State Route Number: N/A

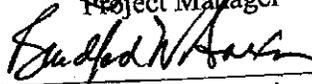
County Road 185

Recommendation for approval:

DATE 1-16-09

DATE 01-16-09


Project Manager


District 5 Preconstruction Engineer

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

DATE _____

State Transportation Planning Administrator

DATE _____

Office of Financial Management Administrator

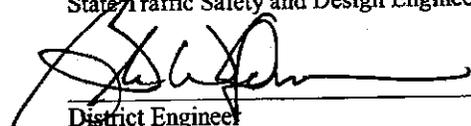
DATE _____

State Environmental/Location Engineer

DATE _____

State Traffic Safety and Design Engineer

DATE 1-16-09


District Engineer

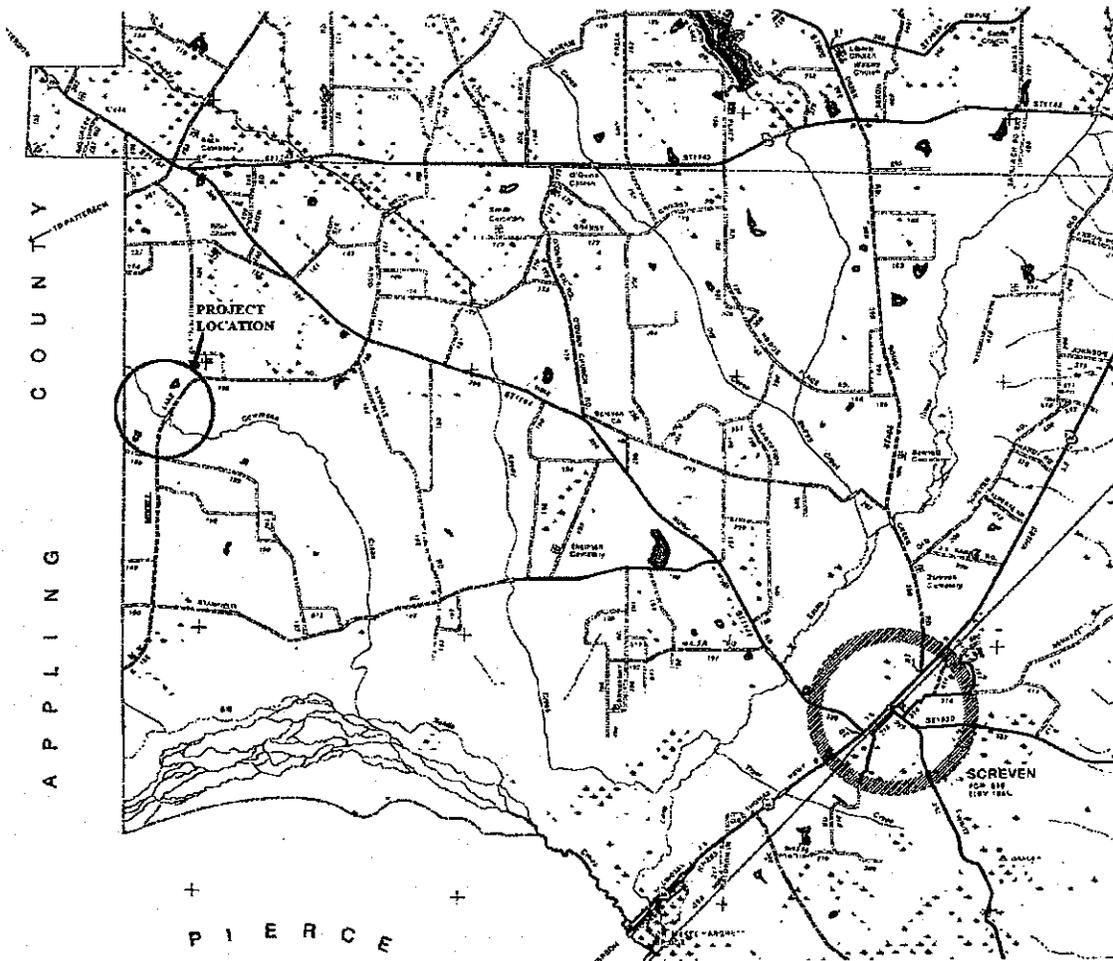
DATE _____

Project Review Engineer

DATE _____

State Bridge and Structural Engineer

Project No. CSBRG-0008-00(302)
P. I. NUMBER 0008302
C.R. 185/ Mikell Lake Road @ Colemans Creek



Location Map

Need and Purpose: This project is needed to replace a bridge with substandard load capacity, and deck geometry. The existing bridge was built in 1960. It is located on C.R.185/ Mikell Lake Road over Colemans Creek, has a sufficiency rating of 22.02, and was designed for H-10 live loading. Bridges with a rating under 50 and H-15 live loading do not meet current standards under TOPPS directive 2405-1. The existing bridge deck, which is 24 feet wide, will be replaced with a bridge which is ~~28~~²⁴ feet wide. This will meet the guidelines of TOPPS directive 4265-9.

The average annual daily traffic (AADT) on this section of roadway was 125 in 2007. 25 percent of the traffic volume is truck traffic. The projected AADT is 150 for the year 2013 and 250 for the design year 2033.

This section of CR185 is functionally classified as a minor rural collector.

Description of the proposed project: The approximate length of the project is 0.4 miles, it is located 6.21 miles northwest from the City Limits of Screven Georgia, on Mikell Lake Road at Colemans Creek. The logic for establishing this terminus is due to replacing the bridge, and reworking the shoulders and slopes to accommodate the guardrail. The new bridge will be constructed on the old alignment. Traffic will be maintained by using an offsite detour. 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, and upgrading shoulders to accommodate guardrail.

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

PDP Classification: Major _____ Minor X

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

Functional Classification: Rural Collector

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

State Route Number(s): N/A

Traffic (AADT):

Current Year: (2007) 125

Design Year: (2033) 250 ✓

Existing design features:

- Typical Section: Two paved 10 ft. lanes, 6 ft. shoulders, with v ditch left and right.
 - Posted speed 55 mph Maximum degree of curvature: N/A
 - Maximum grade: N/A mainline N/A driveways
 - Width of right of way: 80 ft.
 - Major structures: 24 ft. x 120 ft. bridge with sufficiency rating of 22.02
- Major interchanges or intersections along the project: N/A
The existing length of roadway is (0.4). The begin and end mile log is 2.11 to 2.51.

Proposed Design Features:

10' well 3/30/09

- Proposed typical section(s): Two paved $\frac{1}{2}$ ft. lanes, with 6 ft. unpaved shoulders left and right, and 2 ft. wide ditches.
- Proposed Design Speed: Mainline 55 mph
- Proposed Maximum grade Mainline: 2.0% Maximum grade allowable 3.5%.
- Proposed Maximum grade Side Street: 2.0% Maximum grade allowable 2.0%.
- Proposed Maximum grade driveway 15.0%
- Maximum curve radius: 1480 ft. Maximum radius allowable 1480 ft. @ 65 mph.
- Right of way
 - Width – 100 ft.
 - Easements: Temporary (X), Permanent (), Utility (), Other ().
 - Type of access control: Full (), Partial (), By Permit (), Other (x).
 - Number of parcels: 6 Number of displacements: 0
 - Business: 0
 - Residences: 0
 - Mobile homes: 0
 - Other: 0
- Structures:
 - Bridge: The proposed bridge will be 150 ft. x 28 ft. *24 FT ALL 3/30/09*
 - Retaining walls: None
- Major intersections and interchanges. N/A
- Traffic control during construction: Traffic will be routed to an offsite detour.
- Design Exceptions to controlling criteria anticipated: None 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: None anticipated.
- Environmental concerns: Possible Section 404 permit. No hazardous waste sites, history, or archaeological sites were noted at the project site.
- Level of environmental analysis:
 - Are Time Savings Procedures appropriate? Yes (x), No ()
 - Categorical exclusion (x),
- Utility involvements: Windstream (Telecommunication), Satilla (EMC).
- **Project responsibilities:**
 - Design – District 5 Design Section
 - Right of Way Acquisition – LGPA
 - Relocation of Utilities – LGPA
 - Letting to contract – G.D.O.T.

- Supervision of construction – G.D.O.T.
- Providing material pits - Contractor
- Providing detours – Wayne County

Coordination

- A concept meeting was held on 9-24-2007. Minutes are attached
 - No P. A. R. meetings were held
 - No public involvement
 - Local Government involvement: LGPA Signed on 12-11-06
 - Other projects in the area: None
- No other coordination to date.

Scheduling – Responsible Parties' Estimate

- Time to complete the environmental process: 9 Months.
- Time to complete preliminary construction plans: 6 Months.
- Time to complete right of way plans: 6 Months.
- Time to complete the Section 404 Permit: 9 Months
- Time to complete final construction plans: 6 Months.
- Time to complete to purchase right of way: 12 Months.
- List other major items that will affect the project schedule: None

Other alternates considered:

1. Replace existing bridge on the same alignment by using an on-site detour bridge to maintain existing traffic.
2. Construct new bridge on a new alignment using existing bridge as a detour bridge to maintain existing traffic.
3. No build.

Comments;

Alternate (1) was eliminated because utilities to the west and placing Detour Bridge to the east would cause a transition into a curve that is not suitable.

Alternate (2) was eliminated because utilities to the west and the higher cost in realignment of curve that is to the south of the bridge.

Alternate (3) was eliminated due to the safety concern of continuing to use a bridge that does not meet the minimum bridge width requirement and is structurally deficient.

Attachments:

- | | |
|---|-------------|
| 1. Cost Estimate | Pages 6-8 |
| 2. Notice of Location and Design Approval | Page 9 |
| 3. Typical sections | Page 10 |
| 4. Bridge inventory | Pages 11-12 |
| 5. Traffic Assignment | Page 13 |
| 6. Minutes of Concept Meeting | Page 14 |
| 7. Local Government Project Agreement | Pages 15-20 |
| 8. Fuel Price, AC, Bit Tack, Surface Treatment Adj. | Page 21-26 |
| 9. Detour Route Map | Page 27 |
| 10. Scoring Results As Per TOPPS 2440-2 | Page 28 |

Summary of Costs

Project P.I. No.0008302

Subtotal Construction Cost	\$1,605,462.02
• Engineering & Inspection 5%	\$80,273.10
• Construction Contingency 4%	\$67,429.40
• Total Fuel Adjustment	\$24,148.00
• Total Liquid AC Adjustment	<u>\$42,923.00</u>
Total Construction Cost	\$1,820,235.52
• Right-of-Way	Local
• Reimbursable Utilities	<u>Local</u>
Total Project Cost	\$1,820,235.52

P.J. Number 8302
 Project Number CSBRG-0008-00(302)

County WAYNE

Date 1/15/2009

**Special Provision, Section 109-Measurement and Payment
 FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)**

ENTER FPL DIESEL	2.732
ENTER FPM DIESEL	6.147

ENTER FPL UNLEADED	1.729
ENTER FPM UNLEADED	3.89025

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

INCREASE ADJUSTMENT
125.00%

INCREASE ADJUSTMENT
125.00%

ROADWAY ITEMS	QUANTITY	DIESEL FACTOR	GALLONS DIESEL	UNLEADED FACTOR	GALLONS UNLEADED	REMARKS
Excavations paid as specified by Sections 205 (CUBIC YARD)		0.29		0.15		
Excavations paid as specified by Sections 206 (CUBIC YARD)		0.29		0.15		
GAB paid as specified by the ton under Section 310 (TON)	2347.000	0.29	680.63	0.24	563.28	
Hot Mix Asphalt paid as specified by the ton under Sections 400 (TON)		2.90		0.71		
Hot Mix Asphalt paid as specified by the ton under Sections 402 (TON)	1532.000	2.90	4442.80	0.71	1087.72	
PCC Pavement paid as specified by the square yard under Section 430 (SY)		0.25		0.20		

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
Bridge Excavation (CY) Section 211				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Class __ Concrete (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500	43.00	247.05	10.6232	8.00	84.99	1.50	15.93	
Superstru Con Class __ (CY) Section 500	1.00	741.04	0.7410	8.00	5.93	1.50	1.11	
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500	340.00	42.98	14.6132	8.00	116.91	1.50	21.92	

BRIDGE ITEMS	Quantity	Unit Price	QF/1000	Diesel Factor	Gallons Diesel	Unleaded Factor	Gallons Unleaded	REMARKS
--------------	----------	------------	---------	---------------	----------------	-----------------	------------------	---------

Stru Steel Plan Quantity (LB) Section 501				8.00		1.50	
Stru Steel Plan Quantity (LB) Section 501				8.00		1.50	
PSC Beams (LF) Section 507	707.00	124.69	88.1558	8.00	705.25	1.50	132.23
PSC Beams (LF) Section 507				8.00		1.50	
PSC Beams (LF) Section 507				8.00		1.50	
Stru Reinf Plan Quantity(LB) Section 511	1.00	0.92	0.0009	8.00	0.01	1.50	0.00
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50	
Bar Reinf Steel (LB) Section 511	5600.00	0.89	4.9840	8.00	39.87	1.50	7.48
Piling inch (LF) Section 520	380.00	60.84	23.1192	8.00	184.95	1.50	34.68
Piling inch (LF) Section 520	310.00	57.39	17.7909	8.00	142.33	1.50	26.69
Piling inch (LF) Section 520	1.00	4,590.67	4.5907	8.00	36.73	1.50	6.89
Piling inch (LF) Section 520	1.00	4,971.71	4.9717	8.00	39.77	1.50	7.46
Piling inch (LF) Section 520	1.00	1.00	0.0010	8.00	0.01	1.50	0.00
Piling inch (LF) Section 520	1.00	0.51	0.0005	8.00	0.00	1.50	0.00
Drilled Caisson (LF) Section 524				8.00		1.50	
Drilled Caisson (LF) Section 524				8.00		1.50	
Drilled Caisson (LF) Section 524				8.00		1.50	
Pile Encasement (LF) Section 547				8.00		1.50	
Pile Encasement (LF) Section 547				8.00		1.50	
SUM QF DIESEL=		6480.17		SUM QF UNLEADED=		1905.39	
DIESEL PRICE ADJUSTMENT(\$)				\$20,359.39			
UNLEADED PRICE ADJUSTMENT(\$)				\$3,788.58			

ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)				
APPLICABLE TO CONTRACTS/PROJECTS CONTAINING THE 413 SPECIFICATION, SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT				
http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx				
ENTER APL	450	ENTER APM	1012.5	
125.00%		INCREASE ADJUSTMENT		
L.I.N.	TYPE	TACK (GALLONS)	TACK (TONS)	REMARKS
413-1000	PG 58-22	672	2.8863	
		TMT =	2.8863	
PRICE ADJUSTMENT(\$)			\$1,558.61	

400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX					
http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx					
ENTER APL	450	ENTER APM	1012.5		
125.00%		INCREASE ADJUSTMENT			
L.I.N. / Spec Number	MIX TYPE	HMA	JMF AC%	AC	REMARKS
			5.00		
402-3102	9.5 mm SP TP2	360	5.00	18.00	
402-3190	19 mm SP	586	5.00	29.30	
402-1812	4.75 mm	586	5.00	29.30	
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			5.00		
			TMT =	76.60	
PRICE ADJUSTMENT(\$)				\$41,364.00	

**ASPHALT CEMENT PRICE ADJUSTMENT FOR
BITUMINOUS TACK COAT(Surface Treatment 125% MAX)**

APPLICABLE TO CONTRACTS CONTAINING THE 413 SPEC. SECTION 413.5.01 ADJUSTMENTS ASPHALT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT

<http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx>

ENTER APL

ENTER APM

Use this side for Asphalt Emulsion Only

L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT = <input type="text"/>		
REMARKS: <input type="text"/>		

Use this side for Asphalt Cement Only

L.I.N.	TYPE	TACK (GALLONS)
TMT = <input type="text"/>		
REMARKS: <input type="text"/>		

ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$20,359.39</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$3,788.58</u>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<u>\$1,558.61</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<u>\$41,364.00</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)	

REMARKS:

PRELIMINARY COST ESTIMATE

Estimate Report for file "0008302 CSBRG-0008-00(302)"

Section ROADWAY ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	115213.93	TRAFFIC CONTROL -	115213.93
153-1300	1	EA	65859.32	FIELD ENGINEERS OFFICE TP 3	65859.32
207-0203	40	CY	53.42	FOUND BK FILL MATL, TP II	2136.80
210-0100	1	LS	761858.77	GRADING COMPLETE -	761858.77
310-5080	5333	SY	15.31	GR AGGR BASE CRS, 8 INCH, INCL MATL	81648.23
402-1812	586	TN	71.80	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	42074.80
402-3102	360	TN	75.87	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TYPE II, BLEND 1, INCL BITUM MATL & H LIME	27313.20
402-3190	586	TN	67.27	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	39420.22
413-1000	672	GL	2.35	BITUM TACK COAT	1579.20
433-1200	218	SY	168.64	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	36763.52
441-0301	4	EA	2117.50	CONC SPILLWAY, TP 1	8470.00
550-2180	120	LF	31.99	SIDE DRAIN PIPE, 18 IN, H 1-10	3838.80
550-3618	0	EA	593.88	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	0.00
550-4112	2	EA	425.00	FLARED END SECTION 12 IN, SIDE DRAIN	850.00
634-1200	24	EA	98.54	RIGHT OF WAY MARKERS	2364.96
641-1100	84	LF	49.20	GUARDRAIL, TP T	4132.80
641-1200	1404	LF	17.34	GUARDRAIL, TP W	24345.36
641-5001	2	EA	653.71	GUARDRAIL ANCHORAGE, TP 1	1307.42
641-5012	2	EA	1811.23	GUARDRAIL ANCHORAGE, TP 12	3622.46

Section Sub Total: \$1,222,799.79

Section DRAINAGE ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-2120	26	LF	30.00	SIDE DRAIN PIPE, 12 IN, H 1-10	780.00

Section Sub Total: \$780.00

Section SIGNING AND MARKING ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	12	SF	16.89	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	202.68
636-1033	114	SF	19.95	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9	2274.30
636-2070	300	LF	9.23	GALV STEEL POSTS, TP 7	2769.00
636-5010	16	EA	60.70	DELINEATOR, TP 1	971.20
652-5451	3800	LF	0.21	SOLID TRAFFIC STRIPE, 5 IN, WHITE	798.00
652-5452	3800	LF	0.20	SOLID TRAFFIC STRIPE, 5 IN, YELLOW	760.00
654-1001	60	EA	3.19	RAISED PVMT MARKERS TP 1	191.40
657-1085	450	LF	5.12	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	2304.00
657-6085	450	LF	5.24	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	2358.00

Section Sub Total: \$12,628.58

Section BRIDGE ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-0100	520	SY	4.89	GROOVED CONCRETE	2542.80
500-1006	1	LS	741.04	SUPERSTR CONCRETE, CL AA, BR NO -	741.04
500-2100	340	LF	42.98	CONCRETE BARRIER	14613.20
500-3101	43	CY	247.05	CLASS A CONCRETE	10623.15
507-9002	707	LF	124.69	PSC BEAMS, AASHTO TYPE II, BR NO -	88155.83
511-1000	5600	LB	0.89	BAR REINF STEEL	4984.00
511-3000	1	LS	0.92	SUPERSTR REINF STEEL, BR NO -	0.92
520-2216	380	LF	60.84	PILING, PSC, 16 IN SQ	23119.20
520-2218	310	LF	57.39	PILING, PSC, 18 IN SQ	17790.90
520-3216	1	EA	4590.67	TEST PILE, PSC, 16 IN SQ	4590.67
520-3218	1	EA	4971.71	TEST PILE, PSC, 18 IN SQ	4971.71
520-4216	1	EA	1.00	LOAD TEST, PSC, 16 IN SQ	1.00
520-4218	1	EA	0.51	LOAD TEST, PSC, 18 IN SQ	0.51
540-1102	1	LS	55364.27	REMOVAL OF EXISTING BR, BR NO -	55364.27
603-2024	900	SY	48.10	STN DUMPED RIP RAP, TP 1, 24 IN	43290.00
603-7000	900	SY	4.48	PLASTIC FILTER FABRIC	4032.00
Section Sub Total:					\$274,821.20

Section PERMANENT EROSION CONTROL ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2180	15	SY	25.64	STN DUMPED RIP RAP, TP 3, 12 IN	384.60
603-7000	15	SY	4.48	PLASTIC FILTER FABRIC	67.20
700-6910	5	AC	894.81	PERMANENT GRASSING	4474.05
700-7000	5	TN	67.62	AGRICULTURAL LIME	338.10
700-7010	12	GL	21.67	LIQUID LIME	260.04
700-8000	5	TN	399.20	FERTILIZER MIXED GRADE	1996.00
700-8100	250	LB	2.28	FERTILIZER NITROGEN CONTENT	570.00
716-2000	6000	SY	0.98	EROSION CONTROL MATS, SLOPES	5880.00
Section Sub Total:					\$13,969.99

Section TEMPORARY EROSION CONTROL ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	10	AC	470.24	TEMPORARY GRASSING	4702.40
163-0240	95	TN	171.00	MULCH	16245.00
163-0300	4	EA	1208.53	CONSTRUCTION EXIT	4834.12
163-0520	585	LF	14.74	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	8622.90
163-0528	400	LF	3.95	CONSTRUCT AND REMOVE FABRIC CHECK DAM - TYPE C SILT FENCE	1580.00
163-0529	4000	LF	3.77	CONSTRUCT AND REMOVE TEMPORARY SEDIMENT BARRIER OR BALED STRAW CHECK DAM	15080.00
167-1000	4	EA	664.40	WATER QUALITY MONITORING AND SAMPLING	2657.60
167-1500	12	MO	714.87	WATER QUALITY INSPECTIONS	8578.44
171-0030	2400	LF	3.34	TEMPORARY SILT FENCE, TYPE C	8016.00
643-8200	1120	LF	2.77	BARRIER FENCE (ORANGE), 4 FT	3102.40
Section Sub Total:					\$73,418.86

Section MAINTENANCE OF EROSION CONTROL ITEMS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
165-0030	1200	LF	0.87	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1044.00
165-0041	200	LF	2.02	MAINTENANCE OF CHECK DAMS - ALL TYPES	404.00
165-0071	2000	LF	0.82	MAINTENANCE OF SEDIMENT BARRIER - BALED STRAW	1640.00
165-0101	8	EA	494.45	MAINTENANCE OF CONSTRUCTION EXIT	3955.60

Section Sub Total: \$7,043.60**Total Estimated Cost: \$1,605,462.02****Subtotal Construction Cost \$1,605,462.02**

Engineering 5.0 % \$80,273.10

Contingency 4.0 % \$67,429.40

Total Construction Cost \$1,753,164.53 ✓

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$1,753,164.53

NOTICE OF LOCATION AND DESIGN APPROVAL

Project No. CSBRG-0008-00(302)

P. I. NUMBER 0008302

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.

Date of Location Approval: May 8, 2009

Date of Environmental Approval: _____

The project consist of improvements of C.R. 185/ Mikell Lake Road @ Colemans Creek, located 6.21 miles northwest from the City Limits of Screven Georgia. The project is for the replacement of bridges with substandard load capacity, and deck geometry. The bridge have a high priority for replacement with sufficiency rating of 22.02.

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:

Michelle O. Wright
District 5, Area 4 Engineer
GDOT
micwright@dot.ga.gov
379 East Banard Street
Glennville GA. 30427
Phone: 912-654-2940

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:

Bradford W. Saxon
GDOT
bsaxon@dot.ga.gov
P.O. Box 610
Jesup GA 31598
Phone: 912-427-5715

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.

Bridge Inventory Data Listing Georgia Department of Transportation.

Structure ID: 305-5025-0

Wayne

SUFF. RATING: 22.02

Location & Geography				Signs & Attachments	
* Structure ID:	305-5025-0	* 104 Highway System:	0	225 Expansion Joint Type:	02
200 Bridge Information:	06	* 26 Functional Classification:	08	242 Deck Drains:	1
* 6A Feature Int:	COLEMANS CREEK	* 204 Federal Route Type:	0 No. 00000	243 Parapet Location:	0.00
* 6B Critical Bridge:	0	105 Federal Lands Highway:	0	Height:	0.00
* 7A Route Number Carried:	CR00185	* 110 Truck Route:	0	Width:	0.00
* 7B Facility Carried:	MIKELL LAKE ROAD	206 School Bus Route:	1	238 Curb Height:	0.0
* 9 Location:	6.5 MI W OF SCREVEN	217 Benchmark Elevation:	0000.00	Curb Material:	0
2 DOT District:	5	218 Datum:	0	239 Handrail:	99
207 Year Photo:	2007	* 19 Bypass Length:	05	* 240 Median Barrier Rail:	0
* 91 Inspection Frequency:	24 Date: 3/1/2007	* 20 Toll:	3	241 Bridge Median Height:	0.0
92A Fraet Crit Insp Freq:	00 Date: 2/1/1901	* 21 Maintenance:	02	* Bridge Median Width:	0.0
92B Underwater Insp Freq:	60 Date: 4/19/2006	* 22 Owner:	02	230 Guardrail Loc. Dir. Rear:	0
92C Other Spc. Insp Freq:	00 Date: 2/1/1901	* 31 Design Load:	1	Fwd:	0
* 4 Place Code:	00000	37 Historical Significance:	5	Oppo. Dir. Rear:	0
* 5 Inventory Route (O/U):	1	205 Congressional District:	01	Oppo. Fwd:	0
Type:	4	27 Year Constructed:	1960	244 Approach Slab:	0
Designation:	1	106 Year Reconstructed:	0000	224 Retaining Wall:	0
Number:	00185	33 Bridge Median:	0	233 Posted Speed Limit:	55
Direction:	0	34 Skew:	00	236 Warning Sign:	0
* 16 Latitude:	31 - 31.3900 HMMS Prefix:	35 Structure Flared:	0	234 Delineator:	0
* 17 Longitude:	82 - 07.5780 HMMS Suffix: MP:0.00	38 Navigation Control:	0	235 Hazzard Boards:	0
98 Border Bridge:	000 % Shared: 00	213 Special Steel Design:	0	237 Utilities - Gas:	00
99 ID Number:	0000000000000000	267 Type of Paint:	0	Water:	00
* 100 STRAHNET:	0	* 42 Type of Service on:	1	Electric:	00
12 Base Highway Network:	1	Type of Service under:	5	Telephone:	00
13A LRS Inventory Route:	3052018500	214 Movable Bridge:	0	Sewer:	00
13B Sub Inventory Route:	0	203 Type Bridge:	C K A O	247 Lighting - Street:	0
101 Parallel Structure:	N	259 Pile Encasement:	3	Navigation:	0
* 102 Direction of Traffic:	2	* 43 Structure Type Main:	1 01	Aerial:	0
* 264 Road Inventory Mile Post:	002.31	45 No. Spans Main:	008	* 248 County Continuity No.:	00
* 208 Inspection Area:	05 Initials: EEP	44 Structure Type Appr:	0 00		
Engineer's Initial:	sgm	46 No. Spans Appr:	0000		
		226 Bridge Curve Horz:	0 Vert: 0		
		111 Pier Protection:	0		
		107 Deck Structure Type 2			
* Location I.D. No.:	305-00185X-002.31N	108 Wearing Surface Type:	1		
		Membrane Type:	8		
		Deck Protection:	8		

Structure ID: 305-5025-0

Programming Data		Measurements		Ratings	
201 Project No.:	UNKNOWN	* 29 ADT:	000740 Year: 2006	65 Inventory Rating Method:	1
202 Plans Available:	0	109% Trucks:	0	63 Operating Rating Method:	1
249 Prop. Proj. No.	CSBRG-0008-00(302)	* 28 Lanes On:	02 Under: 00	66 Inventory Type:	2 Rating: 00
250 Approval Status:	0 0 0 0	210 No. Tracks On:	00 Under: 00	64 Operating Type:	2 Rating: 00
251 P.I. No.:	0008302	* 48 Max. Span Length:	0015	231 Calculated Loads	
252 Contract Date:	2/1/1901	* 49 Structure Length:	120	H-Modified:	10 1
260 Seismic No.:	00000	51 Br. Rwdy. Width:	22.20	HS-Modified:	00 0
75 Type Work:	31 1	52 Deck Width:	24.00	Type 3:	00 0
94 Bridge Imp. Cost:	\$131	* 47 Tot. Horiz. Cl:	22.20	Type 3s2:	00 0
95 Roadway Imp. Cost:	\$57	50 Curb / Sidewalk Width:	0.00 / 0.00	Timber:	00 0
96 Total Imp Cost:	\$225	32 Approach Rdwy. Width:	020	Piggyback:	00 0
76 Imp. Length:	000331	* 229 Shoulder Width:		261 H Inventory Rating:	09
97 Imp. Year:	1990	Rear Lt:	3.0 Type: 8 Rt: 3.0	262 H Operating Rating:	15
114 Future ADT:	001110 Year: 2026	Fwr'd Lt:	6.0 Type: 8 Rt: 5.0	67 Structural Evaluation:	2
		Pavement Width:		58 Deck Condition:	6
		Rear:	20.0 Type: 2	59 Superstructure Condition:	6
			20.0 Type: 2	* 227 Collision Damage:	0
Hydraulic Data		Intersection Rear:	0 Fwr'd: 0	60A Substructure Condition:	4
215 Waterway Data		36 Safety Features Br. Rail:	1	60B Scour Condition:	7
Highwater Elev.:	0000.0 Year: 1900	Transition:	0	60C Underwater Condition:	5
Flood Elevation:	0000.0 Freq.: 00	App. G. Rail:	0	71 Waterway Adequacy:	7
Avg. Streambed Elev.:	0000.0	App. Rail End:	0	61 Channel Protection Cond.:	7
Drainage Area:	00000	53 Minimum Cl. Over:	99' 99 "	68 Deck Geometry:	4
Area of Opening:	000000	Under:	N 00' 00 "	69 UnderClr. Horz/Vert:	N
113 Scour Critical:	U	* 228 Minimum Vertical Cl:		72 Appr. Alignment:	8
216 Water Depth:	13.5 Br. Height: 9.3	Act. Odm Dir.:	99' 99 "	62 Culvert:	N
222 Slope Protection:	6	Oppo. Dir.:	99' 99 "		
221 Spur Dikes Rear:	0 Fwr'd: 0	Posted Odm. Dir.:	00' 00 "	Posting Data	
219 Fender System:	0	Oppo. Dir.:	00' 00 "	70 Bridge Posting Required:	0
220 Dolphin:	0			41 Struct Open, Posted, CL:	p
223 Culvert Cover:	000	55 Lateral Undercl. Rt:	N 0.0	* 103 Temporary Structure:	T
Type:	0	56 Lateral Undercl. Lt:	0.0	232 Posted Loads	
No. Barrels:	0	* 10 Max Min Vert Cl:	99' 99 " Dir: 0	H-Modified:	10
* Width:	0.00 Height: 0.00	39 Nav Vert Cl:	000 Horiz: 0000	HS-Modified:	00
* Length:	0 Apron: 0	116 Nav Vert Cl Closed:	000	Type 3:	00
265 U/W Insp. Area:	2 Diver: RMO	245 Deck Thickness Main:	8.00	Type 3s2:	00
		Deck Thick. Approach:	0.00	Timber:	00
Location I.D. No.:	305-00185X-002.31N	246 Overlay Thickness:	0.00	Piggyback:	00
		212 Year Last Painted:	Sup: 0000 Sub: 0000	253 Notification Date:	2/1/1901
				258 Fed Notify Date:	2/1/1901

Department of Transportation State of Georgia

INTERDEPARTMENT CORRESPONDENCE

FILE CSBRG-0008-00(302), Wayne County **OFFICE** Environment/Location
P.I. # 0008302

DATE May 30, 2007

FROM Harvey D. Keepler, State Environmental/Location Engineer

TO Glenn W. Durrence, P.E., District Engineer, Jesup
Attn. Dennis Odom

SUBJECT Traffic Assignments for CR 185/Mikell Lake Road @ Colemans Creek.

The estimated traffic assignments, for the above project, are attached:

CR 185

2007 AADT = 125

2013 AADT = 150

2033 AADT = 250

K = 10%

D = 50%

T = 25%

24 HOUR T = 8.5%

S.U. = 6.5%

COMB. = 1.5 %

If you have any questions concerning this information please contact
Shelley Nweke at (404) 699-4458.

HDK/NSN

MINUTES OF THE CONCEPT MEETING
Project No. CSBRG-0008-00(302)
P.I. NUMBER 0008302
County: Wayne
DATE: 9/24/07

The meeting began at (Monday 9-24-07 10:00 am) at the (District Office Assembly Room) Office, at which time the description of the project was read, and the main headings from the Project Concept Report were covered. During this time a sign in sheet was passed around for those in attendance to sign.

Those in attendance:

Billy Dampier	PWCT	<u>Billy.Dampier@dot.state.ga.us</u>	912-530-4125
Cassius Edwards	DE 2	<u>Cassius.Edwards@dot.state.ga.us</u>	912-427-5717
Jeffrey Young	SRE	<u>Jeffery.Young@dot.state.ga.us</u>	912-370-2711
Mack Cravey	Local Gov't	<u>Mack.Cravey@dot.state.ga.us</u>	912-427-5793
Jerome Sheffield	Dist. Construct.	<u>Jerome.Sheffield@dot.state.ga.us</u>	912-427-5760
Anthony Cook	Dist. Construct.	<u>Anthony.Cook@dot.state.ga.us</u>	912-427-5747
Michelle Wright	AE	<u>Michelle.Wright@dot.state.ga.us</u>	912-654-2940
Brian Ray	CPM 2	<u>Brian.Ray@dot.state.ga.us</u>	912-654-2940
Cynthia Phillips	Traffic Ops.	<u>Cynthia.Phillips@dot.state.ga.us</u>	912-427-5767
Rebecca Thigpen	Des. Squad Leader	<u>Rebecca.Thigpen@dot.state.ga.us</u>	912-427-5794
Billy Shore	Satilla EMC Eng. Sup.	<u>bshores@satillaemc.com</u>	912-632-7222

Comments & Subject Discussed:

Need & Purpose, description of project, Capacity : No problems or issues were brought up about the need and purpose of the project. The spelling of the road name is in question. Road Sign has the correct name as Mikell Lake Road. The road is to have a design speed of 55 mph as described in the new Design Policy Manual.

Environmental Issues: Concerns were discussed on slopes interfering with the pond located along this project. 10 ft apron needs to be put into consideration when figuring the length of the bridge. Toe of slope may disturb stream bank or pond along the length of the project.

Right of Way – Parcels and relocations: no right of way concerns were noticed and no hazardous waste sites or USTS found along the project

Maintenance Problems: No maintenance concern are expected during the life of the project

Constructability: No problems are foreseen.

Utilities: Issue about utilities having enough room to relocate to the back of right of way and be out of the way of the crane during construction of the new bridge was brought up. It was discussed that crane should have enough room to construct bridge.

Review Other Alternates: The alternates provided were considered acceptable.

Meeting ended at 10:30

**AGREEMENT
BETWEEN
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
AND
Wayne County
FOR
TRANSPORTATION FACILITY IMPROVEMENTS**

This AGREEMENT is made and entered into this 11 day of December, 2006, by and between the DEPARTMENT OF TRANSPORTATION, an agency of the State of Georgia, hereinafter called the "DEPARTMENT", and **Wayne County** acting by and through its Chairman and Board of Commissioners, hereinafter called the "SPONSOR".

WHEREAS, the SPONSOR has represented to the DEPARTMENT a desire to improve the transportation facility described in **Exhibit A** attached and incorporated herein by reference and hereinafter referred to as the "PROJECT"; and

WHEREAS, the SPONSOR has represented to the DEPARTMENT a desire to participate in certain activities of the PROJECT as set forth in this AGREEMENT, and the DEPARTMENT has relied upon such representations; and

WHEREAS, the DEPARTMENT has expressed a willingness to participate in certain activities of the PROJECT as set forth in this AGREEMENT.

NOW THEREFORE, in consideration of the mutual promises made and of the benefits to flow from one to the other, the DEPARTMENT and the SPONSOR hereby agree each with the other as follows:

1. The SPONSOR shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for utility relocations and right of way acquisitions as specified in **Exhibit A** and further defined in this agreement.
2. The DEPARTMENT shall contribute to the PROJECT by funding all or certain portions of the PROJECT costs for Preliminary Engineering and Construction as specified in **Exhibit A**.
3. The SPONSOR shall be responsible for all costs for the continual maintenance and the continual operations of any and all sidewalks and the grass strip between the curb and gutter and the sidewalk within the PROJECT limits.
4. Upon the approval of the right of way plans by the DEPARTMENT, the necessary rights of way for the PROJECT shall be acquired by the SPONSOR. Right of way acquisition shall be in accordance with the law and the rules and regulations of the FHWA including, but not limited to, Title 23, United States Code; 23 CFR 710, et. seq., and 49 CFR Part 24, and the rules and regulations of the DEPARTMENT. Failure of the SPONSOR to follow these requirements may result in the loss of Federal funding for the PROJECT and it will be the responsibility of the SPONSOR to make up the loss of that funding. All required right of way

shall be obtained and cleared of obstructions, including underground storage tanks, prior to advertising the PROJECT for bids. Should the SPONSOR request that the right of way plans be modified, the DEPARTMENT shall evaluate the resulting change to the overall cost of the PROJECT and determine if the change should be made. If such change is approved by the DEPARTMENT, the SPONSOR shall fund any resulting increase in the overall PROJECT cost.

5. The SPONSOR shall contribute to the PROJECT by funding all of the PROJECT costs for utility relocations, which are deemed eligible by the DEPARTMENT for reimbursement. Eligible relocations would be those utilities holding a property interest in their present location. When deemed eligible, the relocation costs shall include any preliminary engineering, easement acquisition and construction activities that are necessary for the utility to accommodate the PROJECT. The SPONSOR shall also fund the relocations for any facility which it owns and for any other local government that is not relocating at its own expense. Upon determination of eligibility, the DEPARTMENT shall prepare a written agreement which specifies the terms and amounts of any contribution or repayments that will be made to the Utility or the DEPARTMENT by the SPONSOR. The Agreement shall be supported by plans, specifications and itemized cost estimates of the work agreed upon and shall be executed prior to advertising the PROJECT for letting.

6. The DEPARTMENT shall be responsible for all railroad relocation costs necessary for the construction of the PROJECT.

7. Upon completion and approval of the PROJECT plans, the SPONSOR shall certify to the DEPARTMENT that all needed rights of way have been obtained and cleared of obstructions, and certify that all needed permits for the PROJECT have been obtained. The

DEPARTMENT shall certify that all utilities located within the project's limits have been sufficiently detailed to provide a clear understanding of the work to be done to adequately accommodate the PROJECT. The DEPARTMENT shall also certify that all approvals have been completed for work to be done at the sole expense of the utility (i.e. Permits) or for work to be reimbursed (i.e. Agreements). After certification the PROJECT shall be let for construction. The DEPARTMENT shall be solely responsible for securing and awarding the construction contract for the PROJECT.

8. Both the SPONSOR and the DEPARTMENT hereby acknowledge that time is of the essence and both parties shall adhere to the priorities established in the approved Transportation Improvement Program/State Transportation Improvement Program (TIP/STIP) or earlier. Furthermore, all parties shall adhere to the detailed project schedule, as approved by the DEPARTMENT. In the completion of respective commitments contained herein, if a change in the schedule is needed, the DEPARTMENT shall have final authority. If, for any reason, the SPONSOR does not complete the activities defined in this agreement on schedule, the DEPARTMENT reserves the right to delay the project's implementation until funds can be re-identified for construction.

9. This AGREEMENT is made and entered into in FULTON COUNTY, Georgia, and shall be governed and construed under the laws of the State of Georgia. The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

IN WITNESS WHEREOF, the DEPARTMENT and the SPONSOR have caused these presents to be executed under seal by their duly authorized representatives.

RECOMMENDED:

[Signature]
District Engineer

Deputy Commissioner

Chief Engineer

DEPARTMENT OF TRANSPORTATION

BY: _____
Commissioner

ATTEST:

Treasurer

REVIEWED AS TO LEGAL FORM:

Office of Legal Services

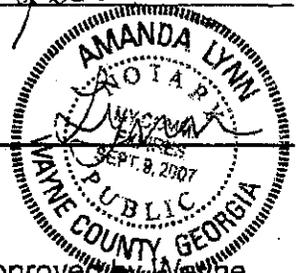
SPONSOR:

BY: [Signature]
Name James Thomas
Title Chairman

Signed, sealed and delivered this 16
day of October, 2006, in the
presence of:

[Signature]
Witness

[Signature]
Notary Public



This Agreement approved by the
County at a meeting held at
Jesup, Ga.
this 2 day of October, 2006.

[Signature]
City/County Clerk (as appropriate)

FEIN: 58-6000906

Exhibit A

Project	Description	Project Type	Responsible Party			
			Preliminary Engineering	R/W Acquisition	Utilities Relocation	Construction
BRZLB-305(6) PI 570950, Wayne	CR 127/Holmesville Road @ Boggy Creek 3.5 miles south of Odum	Replacement L110	100% GDOT	100% County	100% County	100% GDOT
CSSRG-0008-00(302) PI 0008302, Wayne	CR 185/Michael Lake Road @ Colemans Creek	Replacement L110	100% GDOT	100% County	100% County	100% GDOT

