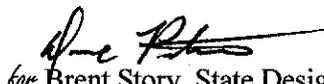


ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE**

FILE P.I. #0007247 **OFFICE** Design Policy & Support
CSBRG-0007-00(247)
GDOT District 4 - Tifton
Grady County **DATE** April 19, 2011
CR 169/Stage Coach Rd @ Barnetts Creek

FROM  for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED CONCEPT REPORT

Attached is the approved Revised Concept Report for the above subject project.

Attachment

DISTRIBUTION:

Genetha Rice-Singleton, Program Control Administrator
Ron Wishon, State Project Review Engineer
Glenn Bowman, State Environmental Administrator
Ken Thompson, Statewide Location Bureau Chief
Kathy Zahul, State Traffic Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ben Rabun, State Bridge Engineer
Bobby Hilliard, State Program Delivery Engineer
Georgene Geary, State Materials & Research Engineer
Angela Robinson, Financial Management Administrator
Jeff Baker, State Utilities Engineer
Tim Warren, District Utilities Engineer
Brent Thomas, District Preconstruction Engineer
Joe Sheffield, District Engineer
Ralph Griffin, Project Manager
BOARD MEMBER - 2nd Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

REVISED PROJECT CONCEPT REPORT

Project Number: CSBRG-0007-00(247)

County: Grady

P. I. Number: 0007247

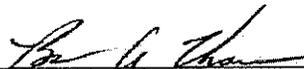
Federal Route Number: N/A

State Route Number: N/A

The original approved concept proposed two 10-foot travel lanes matching the existing pavement width. In order to meet current AASHTO guidelines we proposed to revise the lane widths to provide two 11-foot travel lanes.

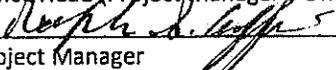
Submitted for approval:

DATE 11/8/10



Office Head (Project Manager's Office)

DATE 11-8-10



Project Manager

Recommendation for approval:

DATE 11-22-10

Glenn Bowman (Recommendation on file) LC
State Environmental Administrator

DATE 4-1-11

Ben Rabun (Recommendation on file) LC
State Bridge Design Engineer (if applicable)

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

DATE 11/23/10



State Transportation Planning Administrator

REVISED PROJECT CONCEPT REPORT

Revised Project Concept Report – Page 2 :

P.I. Number: 0007247

County: Grady

Need and Purpose: The existing bridge on County Road 169 (Stage Coach Rd.) over Barnett's Creek in Grady County carried an average of 200 vehicles per day in the year 2006, which included school bus traffic. This traffic volume represents a Level-of-Service "A", which is acceptable. This two-lane bridge was constructed in 1965 and is not on a designated bike route.

The structural evaluation code for the bridge is a 4 and the sufficiency rating is a 33.22. This bridge is also listed on the current Highway Bridge Replacement and Rehabilitation Program Selection List maintained by the Department's Office of Maintenance. This bridge meets the current policy for replacement.

Because the bridge is considered structurally deficient, GDOT has a proposed project CBRSG-0007-00(247) to replace the bridge with a new structure. There are no other associated projects in the area and this project has independent utility.

Traffic Data: For the year 2012, the traffic volume is projected to be 300 vehicles per day. By the year 2032, traffic volume is projected to grow to 500 vehicles per day. For both conditions, the Level-of-Service will be "A", which is acceptable.

Social Economic Characteristics: This project does not disproportionately burden or benefit any particular community. The project is surrounded by mainly wooded/agricultural land that is underdeveloped. The minority population for census tract 131319501 is 11.5%. The average minority population of the State of Georgia is 38% and of Grady County is 30.6% according to the 2000 Census Data. Approximately 19.0% of Grady County residents are below the poverty level compared to a state average of 13%. The project is considered to be a benefit to all of the communities that use the bridge because of the improved bridge condition.

Project location: This project is located in Grady County, approximately 9.4 miles Northeast of Cairo Georgia, in the 17th Land District, Land Lot No. 148 and Ga. Militia District 1440. The proposed project will be approximately 0.23 miles in length beginning at mile log 9.4.

Description of the approved concept: This project will replace the narrow and structurally deficient bridge on CR 169 / Stagecoach Road over Barnett's Creek with a new reinforced concrete bridge. The typical section consisted of two-10' travel lanes with 5' grassed shoulders and open ditches.

PDP Classification: Major _____ Minor X

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

Functional Classification: Rural Local

Revised Project Concept Report – Page 3 :

P.I. Number: 0007247

County: Grady

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

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Base Year: (2012) 300 Design Year: (2032) 500

Updated traffic data (AADT):

Base Year: (2012) 300 Design Year: (2032) 500

Approved Programmed/Schedule:

P.E. 2006 R/W: 2012 Construction: 2013

VE Study Required Yes () No (X)

Benefit/Cost Ratio N/A

Is the project located in an Ozone Non-attainment area? Yes () No (X)

Is the project in a PM2.5 Non-Attainment area? Yes () No (X)

Approved Features: Two-10' travel lanes proposed to match existing cross-section	Proposed Features: Two-11' travel lanes
Reason for Change: Two-11' travel lanes will meet current AASHTO guidelines.	

Potential Environmental Impacts of Proposed Revision:

Additional impacts to ecology due to increased project footprint. The environmental consultant received a Notice to Proceed on 9/27/10. The consultant requested plans on 11/3/10. Since field studies are not underway, impacts to the schedule are not anticipated.

Have proposed Revisions Been Reviewed by Environmental Staff? (X) Yes () No

Revised Project Concept Report – Page 4
P.I. Number: 0007247
County: Grady

Updated Cost Estimate	
Base Construction Cost	1,034,331.60
Engineering and Inspection	51,716.58
Fuel & Asphalt Adjustment	16,070.07
Total Construction Cost	1,102,118.25
Right-of-Way	109,850.00
Utilities (reimbursable)	0.00
Environmental Mitigation	N/A

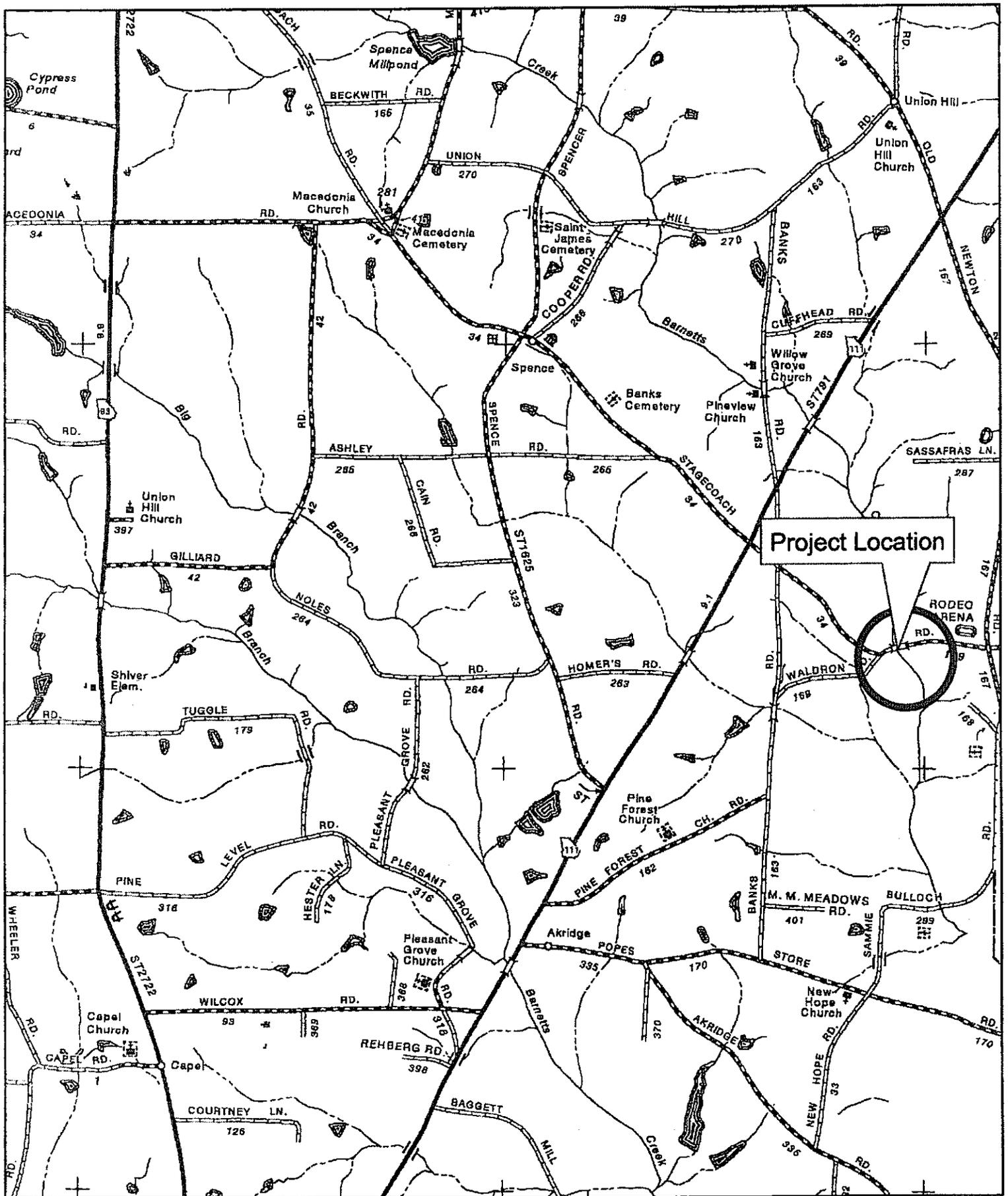
Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:
1. Sketch Map,
2. Cost Estimates

Exempt projects

Concur: *James B. Bud*
Director of Engineering

Approve: *DeQMR* Date: 4-12-11
Chief Engineer



Project Location Map
 CSBRG-0007-00(247)
 PI 0007247
 CR 169/Stage Coach Rd @ Barnett's Creek



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. , OFFICE

 DATE

P.I. No.

FROM

TO Ronald E. Wishon, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

MNGT LET DATE

PROJECT MANAGER

MNGT R/W DATE

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$
RIGHT OF WAY \$
UTILITIES \$

DATE
DATE
DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$
RIGHT OF WAY \$
UTILITIES \$

* Costs contain % Engineering and Inspection

REASON FOR COST INCREASE

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$ 1,034,331.60	(Base Estimate)
Engineering and Inspection:	\$ 51,716.58	(Base Estimate x 5 %)
Total Fuel Adjustment	\$ 5,373.26	(From attached worksheet)
Total Liquid AC Adjustment	\$ 10,696.81	(From attached worksheet)
Construction Total:	\$ 1,102,118.25	

REIMBURSABLE UTILITY COST

Utility Owner

Reimbursable Cost

Attachments

c: Genetha Rice-Singleton, State Program Control Administrator

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

JOB NUMBER : 0007247 SL
 DESCRIPTION: BRIDGE REPLACEMENT CR 169 / STAGECOACH RD

ITEMS FOR JOB 0007247_SL

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0035	402-3190		TN	RECYL AC 19 MM SP, GP 1 OR 2 , INC BMEHL	171.000	87.49	14961.24
0040	413-1000		GL	BITUM TACK COAT	151.000	4.23	639.47
0045	433-1000		SY	REINF CONC APPROACH SLAB	217.000	166.39	36107.32
0050	441-0301		EA	CONC SPILLWAY, TP 1	4.000	1923.72	7694.90
0055	500-2101		CY	CLASS A CONCRETE	1.000	541.71	541.71
0060	550-2240		LF	SIDE DR PIPE 24" ,H 1-10	26.000	37.74	981.46
0065	550-2300		LF	SIDE DR PIPE 30" ,H 1-10	55.000	38.63	2125.07
0070	550-3424		EA	SAFETY END SECTION 24" ,SD,4:1	2.000	560.02	1120.05
0075	550-3430		EA	SAFETY END SECTION 30" ,SD,4:1	2.000	886.87	1773.75
0080	576-1018		LF	SLOPE DRAIN PIPE, 18 IN	64.000	27.09	1733.83
0085	634-1200		EA	RIGHT OF WAY MARKERS	13.000	109.75	1426.80
0090	641-1100		EA	GUARDRAIL, TP W	84.000	64.83	5445.99
0095	641-1200		LF	GUARDRAIL, TP T	250.000	18.82	4706.79
0100	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	2.000	649.24	1298.50
0105	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	2.000	1877.40	3754.81
0110	163-0232		AC	TEMPORARY GRASSING	4.000	408.51	1634.07
0115	163-0240		TN	MULCH	64.000	174.57	11172.71
0120	163-0300		EA	CONSTRUCTION EXIT	2.000	1234.90	2469.80
0125	163-0520		LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	160.000	16.26	2602.84
0130	163-0528		LF	CONSTR AND REM FAB CK DAM -TP C SILT FN	175.000	4.65	815.06
0135	163-0529		LF	CNST/REM TEMP SED BAR OR BLD STRW CK DM	585.000	3.19	1866.30
0140	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	1273.000	0.52	671.05
0145	165-0041		LF	MAINT OF CHECK DAMS - ALL TYPES	88.000	1.27	111.92
0150	165-0071		LF	MAINT OF SEDIMENT BARRIER - BALED STRAW	293.000	0.81	237.97
0155	165-0101		EA	MAINT OF CONST EXIT	2.000	359.69	719.39
0160	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	2.000	465.13	930.28
0165	167-1500		MO	WATER QUALITY INSPECTIONS	12.000	864.83	10378.04
0170	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	2546.000	3.59	9157.94
0175	643-8200		LF	BARRIER FENCE (ORANGE), 4 FT	351.000	2.51	884.36
0180	700-6910		AC	PERMANENT GRASSING	4.000	1099.08	4396.35
0185	700-7000		TN	AGRICULTURAL LIME	12.000	72.52	870.34
0190	700-7010		GL	LIQUID LIME	12.000	18.68	224.26
0195	700-8000		TN	FERTILIZER MIXED GRADE	5.000	542.99	2714.99

STATE HIGHWAY AGENCY

JOB ESTIMATE REPORT

ITEM	DESCRIPTION	QTY	UNIT	EST. COST	EST. PRICE	EST. AMOUNT
0200	700-8100 LB FERTILIZER NITROGEN CONTENT	400.000		3.06		1224.72
0205	636-1033 SF HWY SIGNS, TP1MAT, REFL SH TP 9	37.000		20.98		776.54
0210	636-2070 LF GALV STEEL POSTS, TP 7	84.000		8.75		735.68
0215	636-5020 EA DELINEATOR, TP 2	10.000		44.65		446.58
0220	636-5030 EA DELINEATOR, TP 3	6.000		35.68		214.08
0225	652-5451 LF SOLID TRAF STRIPE, 5 IN, WHITE	2000.000		0.17		359.12
0230	652-5452 LF SOLID TRAF STRIPE, 5 IN, YELLOW	2000.000		0.17		356.44
0235	654-1001 EA RAISED PVMT MARKERS TP 1	30.000		4.98		149.48
0240	657-1054 LF PRF PL SD PVMT MKG, 5", WH, TP PB	400.000		4.76		1906.02
0245	657-6054 LF PRF PL SD PVMT MKG, 5", YW, TP PB	400.000		4.82		1931.43
0250	540-1101 LS REM OF EX BR, STA NO -	1.000		57960.00		57960.00
0255	543-9000 LS CSBRG-0007-00(247)	1.000		560000.00		560000.00
0260	603-2024 SY CONSTR OF BRIDGE COMPLETE -	650.000		56.93		37005.33
0265	603-7000 SY STN DUMPED RIP RAP, TP 1, 24" PLASTIC FILTER FABRIC	650.000		3.96		2579.75
ITEM TOTAL						1034331.60
INFLATED ITEM TOTAL						1034331.60

TOTALS FOR JOB 0007247 SL

ESTIMATED COST: 1034331.60

CONTINGENCY PERCENT (0.0): 0.00

ESTIMATED TOTAL: 1034331.60

P.I. Number 7247

County Grady

Project Number CSBRG-0007-00(247)

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

ENTER FPL DIESEL	2.89
ENTER FPM DIESEL	6.503

ENTER FPL UNLEADED	2.602
ENTER FPM UNLEADED	5.8545

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

INCREASE ADJUSTMENT
125.00%

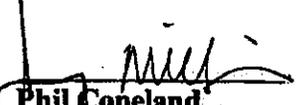
INCREASE ADJUSTMENT
125.00%

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)	677.000	0.29	196.33	0.24	162.48	
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)	360.000	2.90	1044.00	0.71	285.60	
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				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Superstru Con Class __ (CY) Section 500				8.00		1.50		
Concrete Handrail (LF) Section 500				8.00		1.50		
Concrete Barrier (LF) Section 500				8.00		1.50		

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				8.00		1.50		
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				8.00		1.50		
Stru Reinf Plan Quantity(LB) Section 511				8.00		1.50		
Bar Reinf Steel (LB) Section 511				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
Piling____ inch (LF) Section 520				8.00		1.50		
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=			1240.33	SUM QF UNLEADED=			418.08	
DIESEL PRICE ADJUSTMENT(\$)				\$4,122.24				
UNLEADED PRICE ADJUSTMENT(\$)				\$1,251.02				

Preliminary Right of Way Cost Estimate


Phil Copeland
Right of Way Administrator
By: Jerry Milligan

Date: December 11, 2008
Project: CSBRG-0007-00(247)Grady
Existing/Required R/W: Varies/Varies
Project Termini : Bridge Replacement Stagecoach Road over Barnett's Creek
Project Description: Bridge Replacement

P.I. Number: 0007247
No. Parcels: 6

Land: R/W Res : 1.714 acres @ \$ 20,000/acre	\$	34,280
Improvements : misc. site improvements		10,000
Relocation: Commercial (0) Residential (0)		0
Damage : None		<u>0</u>
Net Cost	\$	44,280
Net Cost	\$	44,280
Scheduling Contingency 55 %		24,354
Adm/Court Cost 60 %		<u>41,180</u>
	\$	109,814

Total Cost \$109,850

Note: The Market Appreciation (40%) is not included in the updated Preliminary Cost Estimate.