ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 742980-
BRST0-9438-00(010)
Rockdale County
GDOT District 7 - Metro Atlanta
SR 212 @ Honey Creek 2.5 mi. S of
Jct SR 138

OFFICE Design Policy & Support

DATE June 20, 2013

FROM for Brent Story, State Design Policy Engineer

TO SEE DISTRIBUTION

SUBJECT **APPROVED LOCATION & DESIGN REPORT**

Attached is the approved Location and Design Report with Notice of Location & Design Approval for the above subject project.

Attachment

DISTRIBUTION:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Andy Casey, State Roadway Design Engineer
Attn: Mac Cranford, District Design Engineer
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Rachel Brown, District Engineer
Scott Lee, District Preconstruction Engineer
Vicki Gavalas, District Planning & Programming Engineer
Ira Witherspoon, Area Engineer - D7, A1
Karyn Matthews, Project Manager
BOARD MEMBER - 4th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRST0-9438-00(010), Rockdale County
PI: 742980-
SR 212 over Honey Creek

OFFICE Program Delivery

DATE May 30, 2013

FROM: Genetha Rice-Singleton, State Program Delivery Engineer

TO: Brent Story, PE, State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT **Request for Location and Design Approval**

Description and Project Proposal: The proposed project will replace the structurally deficient and functionally obsolete bridge on SR 212 over Honey Creek in Rockdale County. The project length is approximately 4000 feet (0.758 miles) and is located 2.5 miles south of Jct. SR 138. The existing bridge sufficiency rating is 57.27. The proposed concrete bridge will be 44' wide and 150' long. The bridge approaches will consist of 2-12' lanes with 10' rural shoulders (6.5' paved). A temporary detour bridge will be constructed to stage traffic to the southwest of the existing bridge.

Concept Approval Date: February 5, 2004
Concept Update: none

Environmental Document Type, Approval Date: CE approved September 25, 2007

Public Involvement: None required

Consistency with Approved Planning: The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations: This Office recommends that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR : _____ 6-7-13
Director of Engineering

APPROVE: _____ 6/14/13 _____
Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: June 20, 2013
Attachments: Sketch Map, Cost Estimate, Notice of Location and Design Approval

NOTICE OF LOCATION AND DESIGN APPROVAL

BRST0-9438-00-(010), Rockdale County
P. I. 742980

Notice is hereby given in compliance with Georgia Codes 22-2-109 and 32-3-5 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is: June 20, 2013

The proposed project will replace the structurally deficient and functionally obsolete bridge on SR 212 over Honey Creek in Rockdale County. The project length is approximately 4000 feet (0.758 miles) and is located 2.5 miles south of Jct. SR 138. The proposed concrete bridge will be 44' wide and 150' long. The bridge approaches will consist of 2-12' lanes with 10' rural shoulders (6.5' paved). A temporary detour bridge will be constructed to stage traffic to the southwest of the existing bridge.

The project is located in the following Land District: 11th; Land Lots: 115; and Georgia Military Districts: 561.

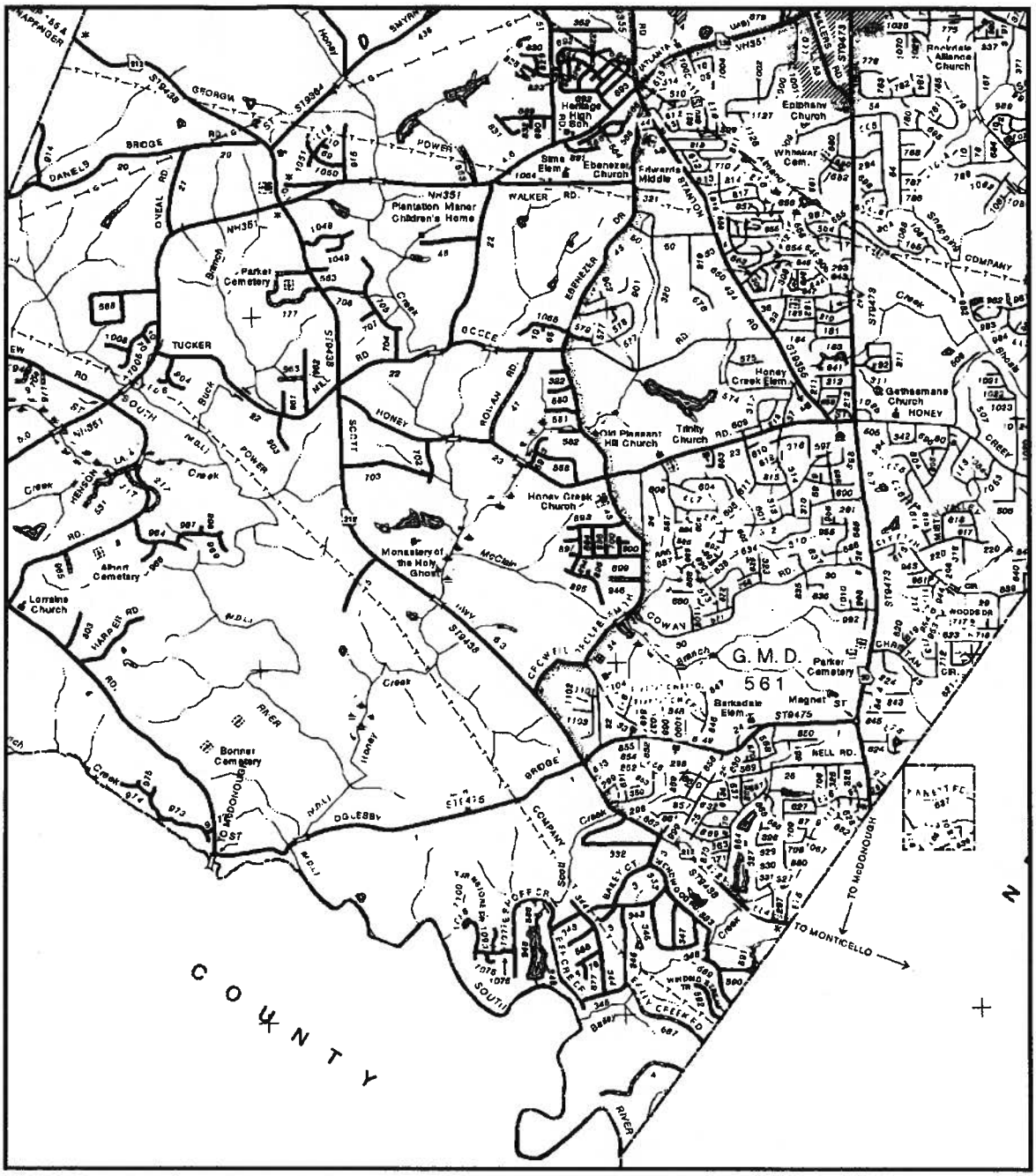
Drawings or maps or plats of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Ira Witherspoon, Area Engineer
Email: iwitherspoon@dot.ga.gov
805 George Luther Drive
Decatur, GA 30032
Phone: (404) 299-4386/4389

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:

Genetha Rice-Singleton
State Program Delivery Engineer
Email: grice-singleton@dot.ga.gov
One Georgia Center
600 West Peachtree St NW
Atlanta, Georgia 30308
(404) 631-1522

Any written request or communication in reference to this project or notice SHOULD include the P.I. Number as noted at the top of this notice.



Scale: 1 inch = 1 mile

Location Map

Project: BRST-9438(10) Rockdale County **PI No.:** 742980-

Description: SR 212 over Honey Creek 2. 9 mi S of Jct SR 138

Print Form

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE PROJECT No. BRST0-9438-00(010) , Rockdale

OFFICE Program Delivery

SR 212 at Honey Creek

DATE May 30, 2013

P.I. No. 742980-

FROM Genetha Rice-Singleton, State Program Delivery Enginer

TO Lisa L. Myers, Project Review Engineer

SUBJECT REVISIONS TO PROGRAMMED COSTS

MNGT LET DATE 5/15/2014

PROJECT MANAGER Karyn Matthews

MNGT R/W DATE 5/15/2013

PROGRAMMED COST (TPro W/OUT INFLATION)		**LAST ESTIMATE UPDATE**	
CONSTRUCTION	$ 2,536,100.00	DATE	9/27/11
RIGHT OF WAY	$ 250,000.00	DATE	9/27/11
UTILITIES	$ -	DATE	-

REVISED COST ESTIMATES

CONSTRUCTION*	$ 2,869,400.00
RIGHT OF WAY	$ 250,000.00
UTILITIES	$ 132,000.00

* Costs contain 5 % Engineering and Inspection

REASON FOR COST INCREASE

Plans have been on the "ROW shelf" since 2007. Plan updates have been made. Detailed ROW cost estimate underway

Revised: March 14, 2012

CONTINGENCY SUMMARY

Construction Cost Estimate:	$ 2,626,206.10	(Base Estimate)
Engineering and Inspection:	$ 131,310.31	(Base Estimate x 5 %)
Total Liquid AC Adjustment	$ 111,880.63	(From attached worksheet)
Construction Total:	**$ 2,869,397.04**	

REIMBURSABLE UTILITY COST

Utility Owner	Reimbursable Cost
Snapping Shoals EMC	55,000.00
Atlanta Gas Light	77,000.00
Comcast Cable	0
USGS Water Monitoring System	0

Attachments

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 742980_GLF

JOB NUMBER *742980_GLF* **FED/STATE PROJECT NUMBER** *BRST0-9438-00(010)*

SPEC YEAR: *01*

DESCRIPTION: *SR 212/SCOTT HWY AT HONEY CREEK*

PI NO 742980

ITEMS FOR JOB 742980_GLF

0010 - ROADWAY

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0135	150-1000	1.000	LS	$100,000.00000	TRAFFIC CONTROL - BRST0-9438-00(010)	$100,000.00
0134	150-5010	7.000	EA	$6,061.52046	TRAF CTRL,PORTABLE IMPACT ATTN	$42,430.64
0230	163-0300	4.000	EA	$1,244.80039	CONSTRUCTION EXIT	$4,979.20
0235	165-0101	4.000	EA	$577.22103	MAINT OF CONST EXIT	$2,308.88
0140	210-0100	1.000	LS	$250,000.00000	GRADING COMPLETE - BRST0-9438-00(010)	$250,000.00
0075	310-1101	8853.000	TN	$18.02143	GR AGGR BASE CRS, INCL MATL	$159,543.72
0074	318-3000	300.000	TN	$17.31574	AGGR SURF CRS	$5,194.72
0080	402-1812	200.000	TN	$82.26722	RECYL AC LEVELING,INC BM&HL	$16,453.44
0068	402-3121	2688.000	TN	$67.70109	RECYL AC 25MM SP,GP1/2,BM&HL	$181,980.53
0070	402-3130	1563.000	TN	$75.52936	RECYL AC 12.5MM SP,GP2,BM&HL	$118,052.39
0069	402-3190	2034.000	TN	$68.66737	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	$139,669.43
0085	413-1000	1075.000	GL	$2.59574	BITUM TACK COAT	$2,790.42
0175	432-5010	2040.000	SY	$3.94552	MILL ASPH CONC PVMT,VARB DEPTH	$8,048.86
0145	433-1200	310.000	SY	$148.59185	REF CONC APPR SL/I SLOPED EDGE	$46,063.47
0185	441-0016	36.000	SY	$36.48333	DRIVEWAY CONCRETE, 6 IN TK	$1,313.40
0180	441-4050	41.000	SY	$61.87176	CONC VALLEY GUTTER,W/CURB,8"	$2,536.74
0184	446-1100	910.000	LF	$4.68226	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	$4,260.86
0445	620-0100	1843.000	LF	$23.76065	TEMP BARRIER, METHOD NO. 1	$43,790.88
0170	634-1200	27.000	EA	$110.34997	RIGHT OF WAY MARKERS	$2,979.45
0150	641-1100	84.000	LF	$58.21457	GUARDRAIL, TP T	$4,890.02
0155	641-1200	792.000	LF	$17.35422	GUARDRAIL, TP W	$13,744.54
0165	641-5001	5.000	EA	$617.66174	GUARDRAIL ANCHORAGE, TP 1	$3,088.31
0160	641-5012	5.000	EA	$1,878.78909	GUARDRAIL ANCHORAGE, TP 12	$9,393.95
0450	643-0010	2870.000	LF	$5.21143	FIELD FENCE WOVEN WIRE	$14,956.80
0154	643-8001	10.000	EA	$511.67529	GATE, GALV METAL- BRSTO-9438-00(010)	$5,116.75
0240	643-8105	1000.000	LF	$5.00000	BARBED WIRE FENCE, 5 STRAND	$5,000.00
0239	643-8200	150.000	LF	$1.45404	BARRIER FENCE (ORANGE), 4 FT	$218.11
					SUBTOTAL FOR ROADWAY:	**$1,188,805.51**

CONFIDENTIALITY NOTICE: This document may contain confidential and/or privileged information. Any unauthorized duplication, disclosure, distribution/ retransmission or taking of any action in reliance upon the material in this document is strictly forbidden.

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 742980_GLF

0020 - EROSION

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0090	163-0232	3.000	AC	$38.71430	TEMPORARY GRASSING	$116.14
0095	163-0240	68.000	TN	$201.56923	MULCH	$13,706.71
0094	163-0520	300.000	LF	$12.51865	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	$3,755.60
0245	163-0550	1.000	EA	$116.39209	CONS & REM INLET SEDIMENT TRAP	$116.39
0100	165-0030	1736.000	LF	$0.99798	MAINT OF TEMP SILT FENCE, TP C	$1,732.49
0250	165-0050	204.000	LF	$44.15957	MAINT OF SILT RETENTION BARRIER	$9,008.55
0255	165-0105	1.000	EA	$55.82070	MAINT OF INLET SEDIMENT TRAP	$55.82
0260	167-1000	2.000	EA	$156.37918	WATER QUALITY MONITORING AND SAMPLING	$312.76
0265	167-1500	12.000	MO	$367.85998	WATER QUALITY INSPECTIONS	$4,414.32
0270	170-2000	408.000	LF	$11.51047	STAKED SILT RETENTION BARRIER	$4,696.27
0105	171-0030	3472.000	LF	$2.71347	TEMPORARY SILT FENCE, TYPE C	$9,421.17
0275	603-2181	16.000	SY	$39.42060	STN DUMPED RIP RAP, TP 3, 18"	$630.73
0280	603-7000	16.000	SY	$4.15312	PLASTIC FILTER FABRIC	$66.45
0130	700-6910	9.000	AC	$534.84760	PERMANENT GRASSING	$4,813.63
0110	700-7000	20.000	TN	$42.76350	AGRICULTURAL LIME	$855.27
0125	700-8000	4.000	TN	$406.21724	FERTILIZER MIXED GRADE	$1,624.87
0115	700-8100	540.000	LB	$1.76753	FERTILIZER NITROGEN CONTENT	$954.47
0285	716-2000	5898.000	SY	$0.89547	EROSION CONTROL MATS, SLOPES	$5,281.48
					SUBTOTAL FOR EROSION:	**$61,563.12**

0030 - BRIDGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0400	500-0100	700.000	SY	$5.74780	GROOVED CONCRETE	$4,023.46
0405	500-1006	215.000	LS	$1,031.51000	SUPERSTR CONCRETE, CL AA, BR NO - BRSTO-9438-00(010)	$221,774.65
0010	500-1008	1.000	LS	$167,997.45000	SUPERSTR CONCRETE, CL AA-1, BRNO - 1	$167,997.45
0415	500-2100	288.000	LF	$40.95415	CONCRETE BARRIER	$11,794.80
0015	500-3002	93.000	CY	$608.56221	CL AA CONCRETE	$56,596.29
0420	507-9001	464.000	LF	$81.45940	PSC BEAMS,AASHTO TP I, BR NO - BRSTO-9438-00(010)	$37,797.16
0425	507-9003	415.000	LF	$130.18126	PSC BEAMS,AASHTO TP III,BR NO- BRSTO-9438-00(010)	$54,025.22
0020	507-9030	649.000	LF	$244.29368	PSC BEAMS,AASHTO,BULB TEE, 54"	$158,546.60
0410	511-1000	16859.000	LB	$0.89493	BAR REINF STEEL	$15,087.62
0030	511-3000	1.000	LS	$27,177.92000	SUPERSTR REINF STEEL, BR NO - 1	$27,177.92
0035	520-1104	350.000	LF	$95.29522	PIL-IN-PL,STEEL H,HP 10 X 42	$33,353.33
0040	520-4104	1.000	EA	$0.80241	LOAD TEST, STEEL H, HP 10 X 42	$0.80
0045	520-5000	47.000	LF	$131.96634	PILOT HOLES	$6,202.42
0050	524-0010	92.000	LF	$1,014.98144	DRILLED CAISSON - 1	$93,378.29
0055	540-1102	1.000	LS	$211,000.00000	REM OF EX BR, BR NO - 1	$211,000.00
0460	541-0001	1.000	LS	$117,600.00000	DETOUR BRIDGE - BRSTO-9438-00(010)	$117,600.00
0435	603-2024	812.000	SY	$30.69946	STN DUMPED RIP RAP, TP 1, 24"	$24,927.96
0440	603-7000	812.000	SY	$3.81572	PLASTIC FILTER FABRIC	$3,098.36
0060	623-1000	555.000	SY	$71.00000	PNEUMATICALLY APPLIED CONCRETE	$39,405.00
					SUBTOTAL FOR BRIDGE :	**$1,283,787.33**

CONFIDENTIALITY NOTICE: This document may contain confidential and/or privileged information. Any unauthorized duplication, disclosure, distribution/ retransmission or taking of any action in reliance upon the material in this document is strictly forbidden.

DETAILED COST ESTIMATE

Georgia Department of Transportation

Job: 742980_GLF

0040 - DRAINAGE

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0320	207-0203	11.000	CY	$48.79413	FOUND BKFILL MATL, TP II	$536.74
0325	441-0302	4.000	EA	$1,617.47223	CONC SPILLWAY, TP 2	$6,469.89
0330	500-3101	29.000	CY	$484.92758	CLASS A CONCRETE	$14,062.90
0335	500-3800	6.000	CY	$791.50212	CL A CONC, INCL REINF STEEL	$4,749.01
0025	511-1000	2892.000	LB	$1.04594	BAR REINF STEEL	$3,024.86
0340	550-1180	304.000	LF	$38.89624	STM DR PIPE 18",H 1-10	$11,824.46
0345	550-1301	115.000	LF	$7.49225	STM DR PIPE 30",H 10-15	$861.61
0350	550-1361	129.000	LF	$74.08752	STM DR PIPE 36",H 10-15	$9,557.29
0355	550-2180	340.000	LF	$28.70947	SIDE DR PIPE 18",H 1-10	$9,761.22
0360	550-3618	10.000	EA	$514.07614	SAFETY END SECTION 18",SD,6:1	$5,140.76
0365	550-4218	1.000	EA	$544.56150	FLARED END SECT 18 IN, ST DR	$544.56
0370	550-4230	2.000	EA	$752.10140	FLARED END SECT 30 IN, ST DR	$1,504.20
0375	550-4236	2.000	EA	$976.96610	FLARED END SECT 36 IN, ST DR	$1,953.93
0380	576-1018	80.000	LF	$35.91518	SLOPE DRAIN PIPE, 18 IN	$2,873.21
0385	600-0001	2.000	CY	$279.45090	FLOWABLE FILL	$558.90
0455	610-9099	1.000	LS	$5,049.18000	REM WINGWALLS/PARAPETS, STA - BRSTO-9438-00(010)	$5,049.18
0395	668-2100	4.000	EA	$1,753.49562	DROP INLET, GP 1	$7,013.98
					SUBTOTAL FOR DRAINAGE:	**$85,486.70**

0050 - SIGNING & MARKING

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0295	636-1020	12.000	SF	$16.17661	HWY SGN,TP1MAT,REFL SH TP3	$194.12
0225	636-1033	36.000	SF	$20.54142	HWY SIGNS, TP1MAT,REFL SH TP 9	$739.49
0220	636-2070	82.000	LF	$8.09445	GALV STEEL POSTS, TP 7	$663.74
0300	652-5451	6108.000	LF	$0.14152	SOLID TRAF STRIPE, 5 IN, WHITE	$864.40
0305	652-5452	5118.000	LF	$0.13045	SOLID TRAF STRIPE, 5 IN, YELLO	$667.64
0310	652-6502	991.000	GLF	$0.10174	SKIP TRAF STRIPE, 5 IN, YELLOW	$100.82
0190	653-1501	360.000	LF	$0.77744	THERMO SOLID TRAF ST 5 IN, WHI	$279.88
0195	653-1502	360.000	LF	$0.73941	THERMO SOLID TRAF ST, 5 IN YEL	$266.19
0204	654-1001	60.000	EA	$4.14671	RAISED PVMT MARKERS TP 1	$248.80
0315	654-1002	15.000	EA	$3.75267	RAISED PVMT MARKERS TP 2	$56.29
0205	657-1085	300.000	LF	$6.23759	PRF PL SD PVT MKG,8",B/W,TP PB	$1,871.28
0290	657-8054	300.000	GLF	$2.03596	PRF PL SK PVMT MKG,5",YE,TP PB	$610.79
					SUBTOTAL FOR SIGNING & MARKING:	**$6,563.44**

TOTALS FOR JOB 742980_GLF

ITEMS COST:	**$2,626,206.10**
COST GROUP COST:	**$0.00**
ESTIMATED COST:	**$2,626,206.10**
CONTINGENCY PERCENT:	**0.05**
ENGINEERING AND INSPECTION:	**0.00**
ESTIMATED COST WITH CONTINGENCY AND E&I:	**$2,757,516.41**

CONFIDENTIALITY NOTICE: This document may contain confidential and/or privileged information. Any unauthorized duplication, disclosure, distribution/ retransmission or taking of any action in reliance upon the material in this document is strictly forbidden.

PROJ. NO.	BRST0-9438-00(010)	CALL NO.
P.I. NO.	742980-	
DATE	4/3/2013	

INDEX (TYPE)	**DATE**	**INDEX**
REG. UNLEADED	Mar-13	$ 3.683
DIESEL		$ 4.092
LIQUID AC		$ 567.00

Link to Fuel and AC Index:
http://www.dot.ga.gov/doingbusiness/Materials/Pages/asphaltcementindex.aspx

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)]xTMTxAPL

Asphalt

Price Adjustment (PA)				**110309.85**	**$**	**110,309.85**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	907.20		
Monthly Asphalt Cement Price month project let (APL)			$	567.00		
Total Monthly Tonnage of asphalt cement (TMT)				324.25		

ASPHALT	**Tons**	**%AC**	**AC ton**
Leveling	200	5.0%	10
12.5 OGFC		5.0%	0
12.5 mm	1563	5.0%	78.15
9.5 mm SP		5.0%	0
25 mm SP	2688	5.0%	134.4
19 mm SP	2034	5.0%	101.7
	6485		**324.25**

BITUMINOUS TACK COAT

Price Adjustment (PA)			**$**	**1,570.78**	**$**	**1,570.78**
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	907.20		
Monthly Asphalt Cement Price month project let (APL)			$	567.00		
Total Monthly Tonnage of asphalt cement (TMT)				4.617233491		

Bitum Tack Gals	gals/ton	tons
1075	232.8234	4.61723349

PROJ. NO.	BRST0-9438-00(010)		CALL NO.
P.I. NO.	742980-		
DATE	4/3/2013		

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)				**0**	$ -
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	$	907.20	
Monthly Asphalt Cement Price month project let (APL)			$	567.00	
Total Monthly Tonnage of asphalt cement (TMT)				0	

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.		0.20	0	232.8234	0
Double Surf.Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					0

TOTAL LIQUID AC ADJUSTMENT	**$**	**111,880.63**

DOT 66

DEPARTMEMT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: **BRST-9438(10), Rockdale County**
SR 212 over Honey Creek Road
P.I. 742980

Office: Chamblee
Date: May 28, 2013

FROM: Jonathan Walker, District Utilities Engineer

TO: **Genetha Rice Singleton, State Program Delivery Engineer**
ATTN: Karyn Matthews, Project Manager

SUBJECT: PRELIMINARY UTILITY COST ESTIMATE

As per your request, please find below a Preliminary Utility Cost Estimate for the above file project. The utilities were field verified within the limits of this project.

FACILITY OWNERS	NON- REIMBURESABLE	REIMBURESABLE
Snapping Shoals EMC		$55,000.00
Atlanta Gas Light Company		$77,000.00
Comcast Cable	$ 22, 000.00	
USGS Water Monitoring System	$ 66,000.00	
Totals	$88,000.00	$132.000.00
Total Reimbursement Cost		**$132,000.00**

Please note that Snapping Shoal EMC and Atlanta Gas Light Company facilities are on private easements. BellSouth facilities are within the limits of the project but are not in conflict as of date. This Cost Estimate is based on current plans and is subject to change as the project plans progress.

If you have any questions concerning this matter, please contact Wade Woodard at (770) 986-1117.

Sincerely,

Rachel S. Brown
District Engineer

By: Jonathan Walker
District Utilities Engineer

RSB: JW: WW: saw

cc: Jeff Baker, P.E, State Utilities Engineer
File