

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. #522770-
EDS00-0084-00(026)
GDOT District 5 - Jesup
Ware County
US 84/SR 38 Improvements

OFFICE Design Policy & Support

DATE September 1, 2011

FROM *for [Signature]* 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:

Genetha Rice-Singleton, Program Control Administrator
Ron Wishon, State Project Review Engineer
Phil Copeland, State Right-of-Way Administrator
Glenn Bowman, State Environmental Administrator
Bobby Hilliard, State Program Delivery Engineer
Kathy Zahul, State Traffic Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Ben Rabun, State Bridge Engineer
Angela Robinson, Financial Management Administrator
Andy Casey, State Roadway Design Engineer
Jack Walker, Area Engineer - D5, A2
Teresa Scott, District Planning & Programming Engineer
Brad Saxon, District Preconstruction Engineer
Karon Ivery, District Engineer
Jeremy Busby, Project Manager
BOARD MEMBER - 1st Congressional District

RECOMMEND:

Bill R. McManis
Director of Engineering

APPROVE:

Daniel M. Pan
Chief Engineer

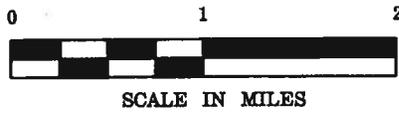
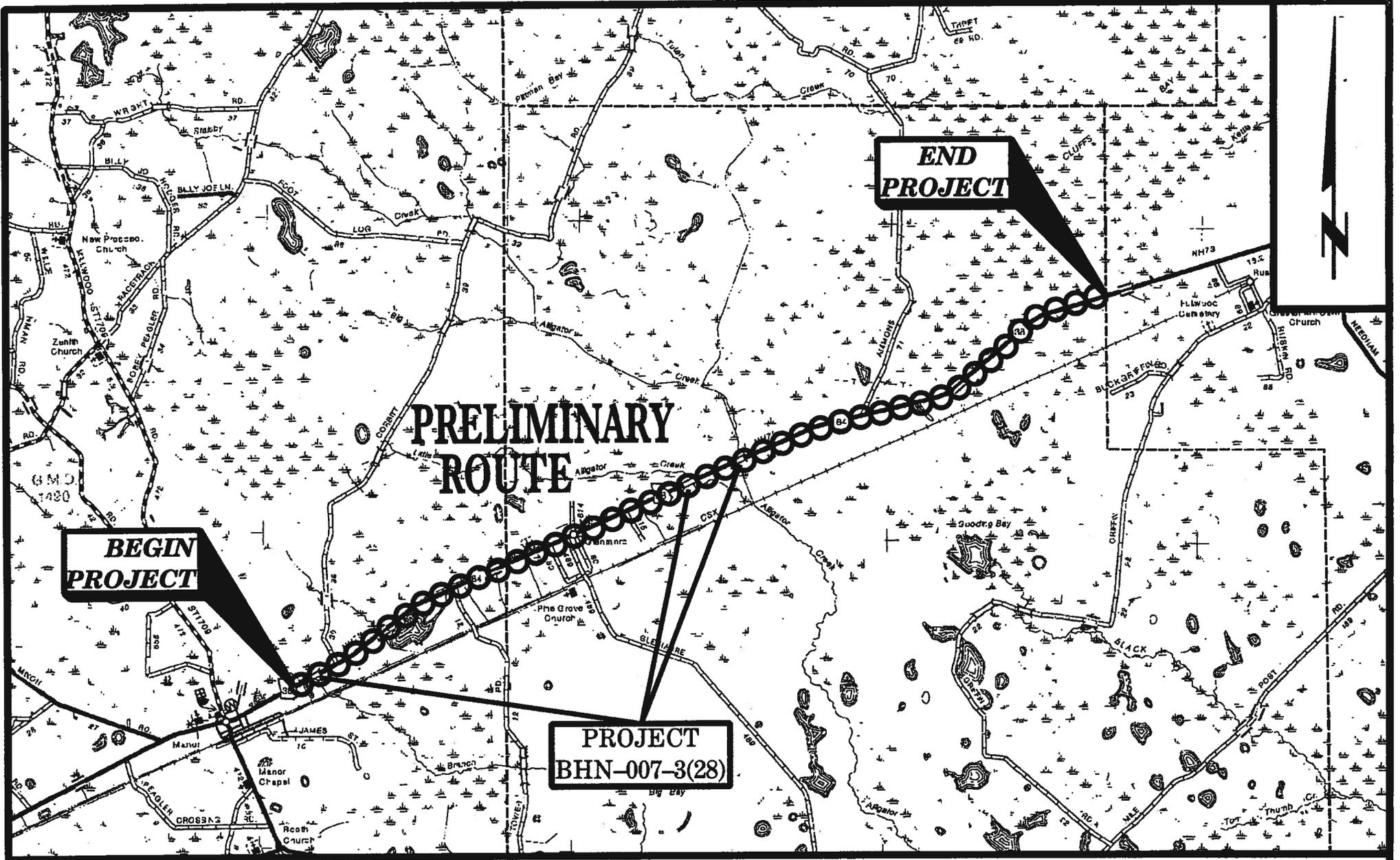
8/24/2011
Date of Approval

DATE OF LOCATION AND DESIGN APPROVAL:

AUGUST 29, 2011
(To be entered by the State Conceptual Design
Group Manager)

Attachments:

- Location Map
- Cost Estimate
- Notice of Location and Design Approval



SOURCE: GENERAL HIGHWAY MAP, WARE CO., GEORGIA
 PREPARED BY THE GEORGIA DEPARTMENT OF TRANSPORTATION, 1988



LOCATION

STRIPMAP

EDS-84(26) & BHN-007-3(28)
 US 84SR 38 IMPROVEMENTS
 WARE COUNTY
 P.I.# 522770 & 522775

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE EDS00-0084-00(026), Ware County
SR38/US84 over West of Greasy Branch to
West of CR88/Ruskin Rd.
P.I. No. 522770

OFFICE Program Delivery

DATE October 8, 2010

FROM:  Bobby K. Hilliard, P.E., State Program Delivery Engineer

TO : Ronald E. Wishon, Project Review Engineer

SUBJECT: REVISIONS TO PROGRAMMED COSTS

PROJECT MANAGER: Jeremy Busby

MGMT LET DATE: 4/15/2015

MGMT ROW DATE: N/A

PROGRAMMED COST (TPro W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$22,809,383

DATE: 6/26/2009

RIGHT OF WAY \$2,263,000

DATE: 6/26/2009

UTILITIES \$0

DATE: N/A

REVISED COST ESTIMATES

CONSTRUCTION* \$22,936,452

RIGHT OF WAY \$2,263,000 **NO CHANGE**

UTILITIES \$0 **NO CHANGE**

MITIGATION \$0

* Costs contain 5% Engineering and Inspection and 0% Construction Contingencies and Fuel and Liquid AC Adjustments.

REASON FOR COST INCREASE: annual update

CONTINGENCY SUMMARY

Construction Cost Estimate:	\$17,371,813	(Base Estimate)
Engineering and Inspection:	\$868,591	(Base Estimate x 5 %)
Construction Contingency:	\$0	(Base Estimate x 0 %) (The Construction Contingency is based on the Project Improvement Type in TPro.)
Total Fuel Adjustment	\$1,955,684	(From attached worksheet)
Total Liquid AC Adjustment	\$2,740,364	(From attached worksheet)
Construction Total:	\$22,936,452	
Utility Cost Estimate:	\$0	
Utility Contingency:	0%	
Utility Total:	\$0	

REIMBURSABLE UTILITY COST

<i>Utility Owners</i>	<i>Reimbursable Costs</i>
none	

Attachments

cc: Genetha Rice-Singleton, Program Control Administrator

STATE HIGHWAY AGENCY

DATE : 10/08/2010
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JOB ESTIMATE REPORT

JOB NUMBER : 522770- SPEC YEAR: 01
DESCRIPTION: SR38/US84 FROM W OF GREASY BRANCH TO W OF CR88/RUSKIN RD.

COST GROUPS FOR JOB 522770-

COST GROUP	DESCRIPTION	QUANTITY	PRICE	AMOUNT	ACTIVE?
TRFT	TRAFFIC CONTROL-TEMPORARY (LS)				Y
BASE	BASE/AGGREGATE (TN)				Y
ERTHLS	EARTHWORK (LS)				Y
ERTHCY	EARTHWORK (CY)				Y
ASPH	ASPHALT (TN)				Y
CONC	CONCRETE (SY)				Y
EROC	EROSION CONTROL (SY)				Y
MILL	MILLING (SY)				Y
DRNGLF	DRAINAGE (LF)				Y
DRNGEA	DRAINAGE (EA)				Y
GDRL	GUARDRAIL/BARRIER (LF)				Y
LSCP	LANDSCAPING (AC)				Y
THSY	THERMO PLASTIC MARKING SQUARE YARDS				Y
GENR	GENERAL/FIELD OFFICE/ETC (LS)				Y
SSGN	SMALL ROADSIDE SIGNS				Y
RPMK	RAISED PAVEMENT MARKING				Y
THSL	THERMO PLASTIC LINEAR PAVEMENT MARKING				Y
LSGN	LARGE OVERHEAD AND COSTLY SIGNS				Y
XPMK	OBSOLETE PAVEMENT MARKING				Y
STRO	STRUCTURES, OTHER (SF)				Y
ACTIVE COST GROUP TOTAL				0.00	
INFLATED COST GROUP TOTAL				0.00	

ITEMS FOR JOB 522770-

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - EDS00-0084-00(026)	1.000	300000.00	300000.00
0010	150-9010		HR	TRAFFIC CONTROL - WORKZONE LAW ENFORCE	80.000	55.00	4400.00
0015	310-5100		SY	GR AGGR BS CRS 10IN INCL MATL	208776.000	19.17	4003386.28
0020	318-3000		TN	AGGR SURF CRS	105.000	29.10	3055.98
0025	201-1500		LS	CLEARING & GRUBBING - EDS00-0084-00(026)	1.000	1400000.00	1400000.00
0035	208-0100		CY	IN PLACE EMBANKMENT	400000.000	5.84	2337876.00
0040	402-1812		TN	RECYL AC LEVELING, INC BM&HL	10836.000	71.55	775321.00
0045	402-3121		TN	RECYL AC 25MM SP, GP1/2, BM&HL	38522.000	57.83	2228095.53
0050	402-3130		TN	RECYL AC 12.5MM SP, GP2, BM&HL	22009.000	65.94	1451299.87
0055	402-3190		TN	RECYL AC 19 MM SP, GP 1 OR 2 , INC BM&HL	28891.000	65.50	1892559.85
0060	413-1000		GL	BITUM TACK COAT	6575.000	2.77	18253.91
0065	433-1000		SY	REINF CONC APPROACH SLAB	3216.000	140.78	452762.47
0070	441-0016		SY	DRIVEWAY CONCRETE, 6 IN TK	592.000	36.03	21333.37
0075	441-0600		CY	CONC HEADWALLS	8.000	962.50	7700.00

STATE HIGHWAY AGENCY

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JOB ESTIMATE REPORT

0080	163-0232	AC	TEMPORARY GRASSING	113.000	101.72	11494.47
0085	163-0240	TN	MULCH	85.000	212.64	18074.55
0090	163-0501	EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 1	12.000	469.23	5630.86
0095	163-0522	EA	CONSTR AND REM TEMP DCH CK - TP A SLT FN	10.000	76.91	769.13
0100	163-0531	EA	CONSTR & REM SEDIMENT BASIN,TP 1,STA NO- SEVERAL LOCATIONS	55.000	7314.20	402281.46
0105	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	82.000	179.89	14751.75
0110	165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	308.000	1.27	392.22
0115	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	49725.000	0.49	24740.18
0120	165-0040	EA	MAINT OF EROSION CTRL CHKDAMS/DITCH CHKS	10.000	40.03	400.39
0125	165-0060	EA	MAINT OF TEMP SEDIMENT BASIN,STA NO -	55.000	1027.81	56529.92
0130	165-0085	EA	MAINT OF SILT CONTROL GATE, TP 1	12.000	198.58	2382.96
0135	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	82.000	87.72	7193.18
0140	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	308.000	3.35	1034.08
0145	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	49725.000	2.77	137920.24
0150	432-5010	SY	MILL ASPH CONC PVMT,VARB DEPTH	1000.000	4.49	4493.42
0155	550-1180	LF	STM DR PIPE 18",H 1-10	27177.000	22.90	622416.08
0160	550-1240	LF	STM DR PIPE 24",H 1-10	912.000	35.76	32615.33
0165	550-1300	LF	STM DR PIPE 30",H 1-10	285.000	46.57	13273.99
0170	550-1360	LF	STM DR PIPE 36",H 1-10	400.000	51.67	20668.34
0175	550-1420	LF	STM DR PIPE 42",H 1-10	188.000	53.38	10035.83
0180	550-2180	LF	SIDE DR PIPE 18",H 1-10	1834.000	21.98	40327.57
0185	550-4118	EA	FLARED END SECT 18 IN, SIDE DR	114.000	519.33	59203.68
0190	550-4218	EA	FLARED END SECT 18 IN, ST DR	4.000	706.65	2826.63
0195	550-4224	EA	FLARED END SECT 24 IN, ST DR	14.000	624.37	8741.20
0200	550-4230	EA	FLARED END SECT 30 IN, ST DR	6.000	843.37	5060.22
0205	550-4236	EA	FLARED END SECT 36 IN, ST DR	2.000	993.13	1986.27
0210	550-4242	EA	FLARED END SECT 42 IN, ST DR	2.000	956.76	1913.53
0215	668-2100	EA	DROP INLET, GP 1	82.000	1925.16	157863.90
0220	668-5000	EA	JUNCTION BOX	11.000	1613.98	17753.82
0225	641-1100	LF	GUARDRAIL, TP T	576.000	32.90	18951.67
0230	641-1200	LF	GUARDRAIL, TP W	6962.000	13.37	93117.24
0235	641-5001	EA	GUARDRAIL ANCHORAGE, TP 1	10.000	623.20	6232.02
0240	641-5006	EA	GUARDRAIL ANCHORAGE, TP 6	24.000	586.91	14086.05
0245	641-5012	EA	GUARDRAIL ANCHORAGE, TP 12	37.000	1881.08	69600.15
0250	700-6910	AC	PERMANENT GRASSING	113.000	502.91	56829.86
0255	700-7000	TN	AGRICULTURAL LIME	100.000	46.18	4618.94
0260	700-8000	TN	FERTILIZER MIXED GRADE	68.000	463.40	31511.41
0265	700-8100	LB	FERTILIZER NITROGEN CONTENT	34.000	3.48	118.58
0270	653-6004	SY	THERM TRAF STRIPING, WHITE	60.000	3.19	191.97
0275	153-1300	EA	FIELD ENGINEERS OFFICE TP 3	1.000	55869.29	55869.29
0280	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	1000.000	12.44	12440.16
0285	636-1029	SF	HWY SGN,TP2 MATL,REFL SH TP 3	537.000	15.25	8189.62
0290	636-2080	LF	GALV STEEL POSTS, TP 8	1182.000	8.57	10132.51
0295	636-2090	LF	GALV STEEL POSTS, TP 9	1187.000	7.49	8902.39
0300	654-1003	EA	RAISED PVMT MARKERS TP 3	977.000	3.01	2948.44
0305	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	73920.000	0.25	18508.09
0310	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	73920.000	0.22	16422.81
0315	653-1804	LF	THERM SOLID TRAF STRIPE, 8",WH	72.000	1.92	138.56
0320	632-0003	EA	CHANGEABLE MESS SIGN,PORT,TP 3	2.000	9202.78	18405.56

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JOB ESTIMATE REPORT

0325	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	72.000	4.10	295.22
0330	656-0050	LF	REM EX SLD TRF STRIPE, 5",THER	14.000	0.47	6.71
0335	500-3101	CY	CLASS A CONCRETE	285.000	453.86	129352.68
0340	511-1000	LB	BAR REINF STEEL	23272.000	0.68	15957.14
0345	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	73920.000	0.12	9166.82
0350	540-1102	LS	REM OF EX BR, BR NO - 1	1.000	58800.00	58800.00
0355	540-1102	LS	REM OF EX BR, BR NO - 2	1.000	44100.00	44100.00
0360	540-1102	LS	REM OF EX BR, BR NO - 3	1.000	88100.00	88100.00

ITEM TOTAL

17371813.32

INFLATED ITEM TOTAL

17371813.32

TOTALS FOR JOB 522770-

ESTIMATED COST:

17371813.35

CONTINGENCY PERCENT (0.0):

0.00

ESTIMATED TOTAL:

17371813.35

PROJ. NO.

EDS00-0084-00(026)

CALL NO.

9/29/2009

P.I. NO.

522770

DATE

10/8/2010

INDEX (TYPE)

DATE INDEX

REG. UNLEADED

Sep-10 \$ 2.532

DIESEL

\$ 2.881

LIQUID AC

\$ 453.00

Link to Fuel and AC Index:

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

LIQUID AC ADJUSTMENTS

PA=[((APM-APL)/APL)-0.05]xTMTxAPL

Asphalt

Price Adjustment (PA)			\$ 2,725,012.44	\$ 2,725,012.44
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	125%	\$ 1,019.25	
Monthly Asphalt Cement Price month project let (APL)			\$ 453.00	
Total Monthly Tonnage of asphalt cement (TMT)			5012.9	

ASPHALT	Tons	%AC	AC ton
Leveling	10836	5.0%	541.8
12.5 OGFC		5.0%	0
12.5 mm	22009	5.0%	1100.45
9.5 mm SP		5.0%	0
25 mm SP	38522	5.0%	1926.1
19 mm SP	28891	5.0%	1444.55
	100258		5012.9

BITUMINOUS TACK COAT

Price Adjustment (PA)			\$ 15,351.42	\$ 15,351.42
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	125%	\$ 1,019.25	
Monthly Asphalt Cement Price month project let (APL)			\$ 453.00	
Total Monthly Tonnage of asphalt cement (TMT)			28.24028856	

Bitum Tack

Gals	gals/ton	tons
6575	232.8234	28.2402886

PROJ. NO.

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BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA)

\$ - \$ -

Monthly Asphalt Cement Price month placed (APM)

Max. Cap 125%

\$ 1,019.25

Monthly Asphalt Cement Price month project let (APL)

\$ 453.00

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

\$ 2,740,363.86

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FUEL ADJUSTMENTS - ROADWAY

FPA = (((FPM-FPL)/FPL)-.10)xQxF

GRADED AGGREGATE BASE (Section 310)

			REGULAR UNLEADED	DIESEL	TOTALS
Fuel Price Adjustment (FPA)			\$ 95,199.09	\$ 130,887.78	\$ 226,086.87
Monthly Fuel Price for month work was accomplished (FPM)	Max. Cap	125%	\$ 5.697	\$ 6.482	
Monthly Fuel Price for month when project was let (FPL)			\$ 2.532	\$ 2.881	
Quantity Placed (Q)	Ton	136226			
Fuel Usage Factor (F)			0.24	0.29	

ASPHALT (Sections 400 and 402)

			REGULAR UNLEADED	DIESEL	TOTALS
Fuel Price Adjustment (FPA)			\$ 207,271.18	\$ 963,292.40	\$ 1,170,563.58
Monthly Fuel Price for month work was accomplished (FPM)	Max. Cap	125%	\$ 5.697	\$ 6.482	
Monthly Fuel Price for month when project was let (FPL)			\$ 2.532	\$ 2.881	
Quantity Placed (Q)	Ton	100258			
Fuel Usage Factor (F)			0.71	2.90	

EARTHWORK (Section 205 and 206)

			REGULAR UNLEADED	DIESEL	TOTALS
Fuel Price Adjustment (FPA)			\$ 174,708.00	\$ 384,325.40	\$ 559,033.40
Monthly Fuel Price for month work was accomplished (FPM)	Max. Cap	125%	\$ 5.697	\$ 6.482	
Monthly Fuel Price for month when project was let (FPL)			\$ 2.532	\$ 2.881	
Quantity Placed (Q)	Cy	400000			
Fuel Usage Factor (F)			0.15	0.29	

CONCRETE PAVEMENT (Section 430)

			REGULAR UNLEADED	DIESEL	TOTALS
Fuel Price Adjustment (FPA)			\$ -	\$ -	\$ -
Monthly Fuel Price for month work was accomplished (FPM)	Max. Cap	125%	\$ 5.697	\$ 6.482	
Monthly Fuel Price for month when project was let (FPL)			\$ 2.532	\$ 2.881	
Quantity Placed (Q)	Sy				
Fuel Usage Factor (F)			0.20	0.25	

TOTAL ROADWAY FUEL ADJUSTMENTS \$ 477,178.27 \$ 1,478,505.58 \$ 1,955,683.85

PROJ. NO.

EDS00-0084-00(026)

CALL NO.

9/29/2009

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DATE

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FUEL ADJUSTMENTS - BRIDGE

$FPA = (((FPM-FPL)/FPL) - .10) \times (Q \times F / 1000) \times FPL$

				REGULAR UNLEADED		DIESEL		TOTALS
Fuel Price Adjustment (FPA)				\$	-	\$	-	\$ -
Monthly Fuel Price for month work was accomplished (FPM)			125%	\$	5.697	\$	6.482	
Monthly Fuel Price for month when project was let (FPL)				\$	2.532	\$	2.881	
Quantity Placed (Q)	Cost							
Fuel Usage Factor (F)					1.5	8		

Section	Bridge 1 Cost	Bridge 2 Cost	Bridge 3 Cost	Bridge 4 Cost		
211 Bridge Excavation						
500 Superstr Conc Cl AA						
500 Class A Concrete						
500 Class AA Concrete						
500 Concrete Handrail						
500 Concrete Barrier						
501 Structural Steel						
507 Prestressed Conc Beams						
507 Prestressed Conc Beams						
507 Prestressed Conc Beams						
511 Super Reinforcement						
511 Bar Reinf Steel						
520 Piling						
520 Piling						
524 Drilled Caisson						
547 Pile Encasement						
547 Pile Encasement						
	\$ -	\$ -	\$ -	\$ -		

Use when bridge items haven't been established. Assumes 80% of the estimated bridge cost will qualify for fuel adjustments.

EST. BRIDGE COST	% COST w/ADJ.
COST	80%
\$	-

TOTAL BRIDGE FUEL ADJUSTMENTS	\$ -	\$ -	\$ -
TOTAL FUEL ADJUSTMENT (ROADWAY AND BRIDGE)	\$ 477,178.27	\$ 1,478,505.58	\$ 1,955,683.85

NOTICE OF LOCATION AND DESIGN APPROVAL

EDS00-0084-00(026)

P.I. Number: 522770

Notice is hereby given in compliance with Georgia Code 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 *AUGUST 29, 2011*

Project EDS00-0084-00(026) PI#522770- in Ware County would widen SR38/US84 from just west of Greasy Branch to just west of CR88/Ruskin Road. The project is approximately 7.6 miles in length, beginning at MP 3.63 in Ware County and ending at MP 11.21 in Ware County. The project is located within Land District 8.

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:

Jack Walker, Area Engineer
jacwalker@dot.ga.gov
104 N Nichols Street, Waycross, GA 31501
912-285-6009

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:

Bobby Hilliard
Office of Program Delivery
bhilliard@dot.ga.gov
600 West Peachtree Street, Atlanta, GA 30308
404-631-1930

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.