

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

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

FILE P.I. # 0000421 **OFFICE** Design Policy & Support
STP00-0000-00(421)
GDOT District 5 - Jesup
Glynn County **DATE** February 21, 2011
SR 25 Spur from Cate Rd. to SR 99

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
Michael Henry, Systems & Classification Branch Chief
Kathy Zahul, State Traffic Engineer
Cindy VanDyke, State Transportation Planning Administrator
Bobby Hilliard, State Program Delivery Engineer
Georgene Geary, State Materials & Research Engineer
Angela Robinson, Financial Management Administrator
Jeff Baker, State Utilities Engineer
Karon Ivery, District Utilities Engineer
Brad Saxon, District Preconstruction Engineer
Tony Collins, District Engineer
Matt Bennett, Project Manager
BOARD MEMBER - 1st Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

REVISED PROJECT CONCEPT REPORT

Project Number: STP-0000-00(421)
County: Glynn
P. I. Number: 0000421
Federal Route Number: None
State Route Number: SR 25 Spur

The revised concept includes reduction of paving work on SR 99 by 500', utilization of a 32' depressed median in lieu of a 44' depressed median and 11' inside and 12' outside lanes throughout the project. These revisions to the project were identified in the Implementation of Value Engineering Study Alternatives dated March 8, 2010 as cost savings for the project that the department would like to incorporate in the project.

Submitted for approval: (Submit to "Concept Reports" in Outlook)

DATE 8-18-10

[Signature] Thomas & Hutton Engineering
Design Consultant Name and Firm Name (if applicable)

DATE 2/18/10

[Signature]
Local Government (if applicable)

DATE

Design Phase (if applicable) (if applicable)

DATE 12/20/10

[Signature]
For Office Head (Project Manager's Office)

DATE 12-28-2010

[Signature]
Project Manager

Recommendation for approval:

DATE 1/21/2011

GLENN BOWMAN*
State Environmental Administrator

DATE N/A

N/A
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 Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 1/6/11

[Signature]
for State Transportation Planning Administrator

* - RECOMMENDATION ON FILE

REVISED PROJECT CONCEPT REPORT

Need and Purpose: The project need arises from undesirable traffic operational conditions anticipated to occur with traffic growth and emergency operations along the corridor. The purpose of the proposed project is to meet the need by adding capacity and reduces crash frequency and severity and operational characteristics of SR 25 Spur. SR 25 Spur provides access for northeastern Glynn County to I-95 as well as the designated Hurricane Evacuation Routes of US 341/US 25, SR 32 and US 82/SR 520. In addition, SR 25 Spur is identified as part of a planned Bicycle Route within Glynn County.

SR 25 Spur was widened to a four lane divided section from I-95 to Cate Road in 2003 as part of GDOT Project TSAP-25(89)C1, which was jointly funded by Glynn County and Georgia DOT. The current project proposes the extension of SR 25 Spur from its existing terminus at Cate Road, to the intersection of Canal Road/CR 588 and SR 99.

The existing facility is currently functioning adequately (LOS B) with base year traffic volumes. The area is anticipated to experience significant growth by the design year of 2036 which would result in poor levels of service if the roadway were to remain as an existing two lane facility.

The proposed project was identified and included in the Brunswick Area Transportation Study's (BATS) 1995-2020 Long Range Transportation Plan, which was adopted in October 1997. The Long Range Transportation Plan was subsequently revised and extended in October 2000, and again in 2002. This project is included in the BATS 2008-2011 Transportation Improvement Program (TIP#BATS01-02). In June 2008, the project was listed as the #4 priority of the BATS; the first three priorities are Interstate projects that are all currently underway.

Project location: Project STP-0000-00(421) is located in Glynn County, just west of I-95. The project entails approximately 2.10 miles of improvements from the end of the existing SR 25 Spur near Cate Road, along the Old Cate Road alignment, turning down Canal Road / CR 588 to the intersection of SR 99.

Description of the approved concept: The project proposes the extension of the SR 25 Spur from its existing terminus near Cate Road, along the Old Cate Road alignment, turning down Canal Road / CR 588 to the intersection of SR 99 for a total of 2.10 miles. The project will also include the widening of approximately 0.84 miles of SR 99, 2007' to the west and 2428' to the east of Canal Road / CR 588.

The proposed construction will provide two, 12' lanes in each direction divided by a 44' depressed grassed median with 10' bikeable outside shoulders (6.5' paved), for the SR 25 Spur extension and SR 99 within the above mentioned limits. All improvements along Spur 25 and SR 99 to the west of Spur 25 would be constructed within a 200' right of way corridor. The improvements on SR 99 to the east would be constructed within a 150' right of way corridor.

PDP Classification: Major X

Minor

Revised Project Concept Report – Page 3:

P.I. No. 0000421

County: Glynn

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

Functional Classification: ~~Urban Collector~~ **URBAN MINOR ARTERIAL (EMA)**

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

State Route Number(s): SR 25 Spur

Traffic (AADT) as shown in the approved concept:

Base Year: (2010) 6000

Design Year: (2030) 24,500

Updated traffic data (AADT):

Base Year: (2016) 12,400

Design Year: (2036) 24,000

Approved Programmed/Schedule:

P.E.: 2003

R/W: LOCL

Construction: 2013

VE Study Required Yes (X) No ()

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)

If yes to either, provide a comparison between the proposed project concept and the conforming plan's model description. Include such features as project limits, number of through lanes, proposed open to traffic year, etc.

<p>Approved Features:</p> <ul style="list-style-type: none">• <u>SR 99 Improvements:</u> The approved concept report, dated 7/24/04, proposes 4,433 lf (0.84 miles) of improvements to SR 99• <u>Typical Section:</u> The approved concept report, dated 7/24/04, proposes to extend SR 25 Spur with a 44 ft grassed depressed median, two-12 ft. travel lanes in each direction and 10' bikeable shoulders outside (6.5' paved and 3.5' grassed).	<p>Proposed Features:</p> <ul style="list-style-type: none">• <u>SR 99 Improvements:</u> VE Study alternative RD-2 proposes the reduction in the amount of improvements to SR99 by 500' to 0.74 miles.• <u>Typical Section:</u> The alternative proposes to construct a 32' depressed grass median, 11' inside lanes and 12 outside lanes throughout the project and 10' bikeable outside shoulders (6.5' paved and 3.5' grassed).
<p>Reason for Change: The changes are necessary to conform to the recommendations for implementation of value engineering study alternatives dated March 8, 2010.</p>	
<p>Potential Environmental Impacts of Proposed Revisions: Implementation of the proposed alternatives will result in a narrower typical section, thus resulting in a reduction of wetland impacts. There are no anticipated environmental effects as a result of these revisions.</p> <p>Have Proposed Revisions been reviewed by Environmental Staff? Yes (x) No ()</p> <p>Environmental Responsibilities (studies/documents/permits): Glynn County/Thomas & Hutton</p>	

Updated Cost Estimate	
Base Construction Cost	\$7,952,950.99
Engineering and Inspection	\$397,647.55
Fuel & Asphalt Adjustment	\$2,673,489.73
<u>Total Construction Cost</u>	\$11,024,088.27
Right-of-Way	\$400,800.00 (LOCALS)
Utilities (reimbursable)	\$80,000.00 (LOCALS)
Environmental Mitigation	N/A

Recommendation: Glynn County and the Engineer of Record, Doyle D. Kelley, Jr., P.E. of Thomas and Hutton, recommend that the proposed revision to the concept be approved for implementation.

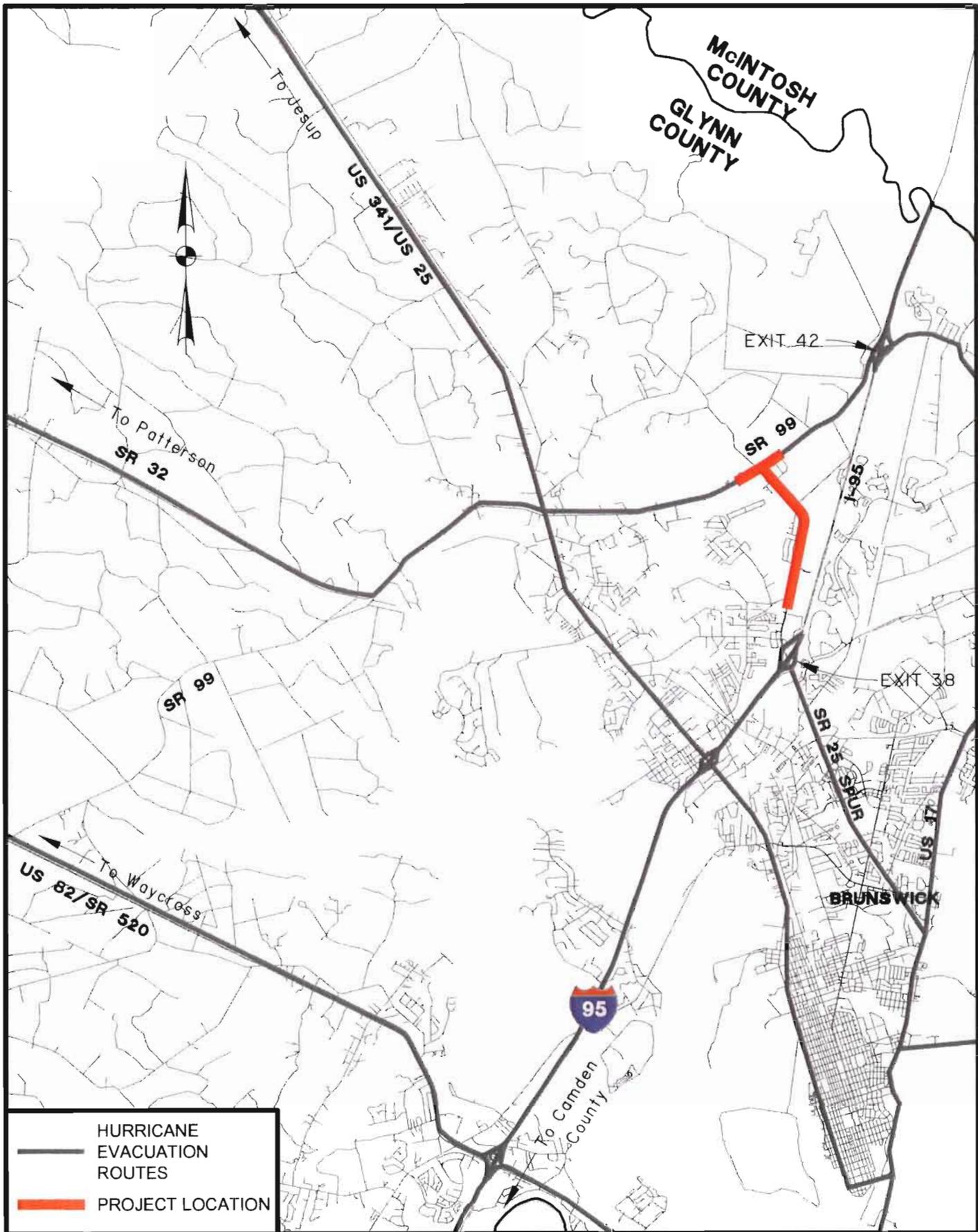
Attachments:

1. Sketch Map,
2. Cost Estimate,
3. Approved Implementation of Value Engineering Study Alternatives,
4. Traffic Diagrams,
5. Revised Typical Sections

Concur: 
Director of Engineering

Approve: 
Chief Engineer

Date: 31.2.17.2016



Project Location
GDOT Project:STP-0000-00(421)
 Brunswick, Glynn County, Georgia

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

PROJECT MANAGER

MNGT LET DATE

MNGT R/W DATE

PROGRAMMED COST (TPRO W/OUT INFLATION)

LAST ESTIMATE UPDATE

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

REVISED COST ESTIMATES

CONSTRUCTION* \$

RIGHT OF WAY \$

UTILITIES** \$

* Costs contain % Engineering and Inspection and % Construction Contingencies.

** Costs contain % contingency.

REASON FOR COST INCREASE

Updated unit rate
Locals are responsible for all PE, ROW & UTL costs.

CONTINGENCY SUMMARY

Construction Cost Estimate: \$ (Base Estimate)

Engineering and Inspection: \$ (Base Estimate x %)

Construction Contingency: \$ (Base Estimate x %)

(The Construction Contingency is based on the Project Improvement Type in TPro.)

Total Fuel Adjustment \$ (From attached worksheet)

Total Liquid AC Adjustment \$ (From attached worksheet)

Construction Total: \$

Utility Cost Estimate: \$

Utility Contingency: \$ %

Utility Total: \$

REIMBURSABLE UTILITY COST

Utility Owner	Reimbursable Cost
GA Power - Distribution Poles	\$80,000.00

Attachments

c: Genetha Rice-Singleton, State Program Control Administrator

COST ESTIMATE ADJUSTMENTS
0000421

Construction Cost Estimate:	\$7,952,950.99		(Base Estimate)
Engineering and Inspection:	\$397,647.55	5%	(Base Estimate x 5 %)
Construction Contingency:	\$0.00	0%	(Base Estimate x 0 %)
Fuel Adjustment			
Diesel	\$724,783.96		(From attached worksheet)
Unleaded	\$202,493.27		(From attached worksheet)
Total Fuel Adjustment	\$927,277.23		
Liquid AC Adjustment (Tack)	\$90,212.56		(From attached worksheet)
Liquid AC Adjustment (Asphalt)	\$1,656,000.00		(From attached worksheet)
Total Liquid AC Adjustment (Asphalt)	\$1,746,212.56		(From attached worksheet)
Construction Total:	\$11,024,088.33		
Utility Cost Estimate:	\$80,000.00	Locals	
Utility Contingency:	\$0.00	0%	Locals
Utility Total:	\$80,000.00		

CONSTRUCTION*	\$11,024,088.33	
RIGHT OF WAY	\$400,800.00	Locals
UTILITIES**	\$80,000.00	Locals

* Costs contain 5% Engineering and Inspection and 4% Construction Contingencies and Fuel and Liquid AC Adjustments.

** Costs contain 0% contingency.

STATE HIGHWAY AGENCY

DATE : 02/02/2011
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JOB ESTIMATE REPORT

JOB NUMBER : 0000421 SPEC YEAR: 01
DESCRIPTION: SR 25 SPUR FROM CATE RD. TO SR 99

COST GROUPS FOR JOB 0000421

COST GROUP	DESCRIPTION	QUANTITY	PRICE	AMOUNT	ACTIVE?
ASPH	ASPHALT (TN)	0.000			Y
ERTHLS	EARTHWORK (LS)	0.000	10.94000	0.00	Y
BASE	BASE/AGGREGATE (TN)				Y
EROC	EROSION CONTROL (SY)	0.000	5.64000	0.00	Y
DRNGEA	DRAINAGE (EA)	0.000	3.64000	0.00	Y
TRFT	TRAFFIC CONTROL-TEMPORARY (LS)	0.000	1.76000	0.00	Y
UTIL	UTILITIES (LF)		1.58000		Y
THSL	THERMO PLASTIC LINEAR PAVEMENT MARKING	0.000	0.10000	0.00	Y
SIGNPCTO	SIGNS (PERCENT OF JOB)	0.000	0.28000	0.00	Y
ROW	RIGHT OF WAY COST GROUP				Y
SGNL	TRAFFIC SIGNALS (LS)				Y
ASPH	ASPHALT (TN)				Y
ERTHCY	EARTHWORK (CY)				Y
CONC	CONCRETE (SY)				Y
CURB	CURB & GUTTER (LF)				Y
DRNGLF	DRAINAGE (LF)				Y
GENR	GENERAL/FIELD OFFICE/ETC (LS)				Y
MISC	MISCELLANEOUS (LS)				Y
STRO	STRUCTURES, OTHER (SF)				Y
THSY	THERMO PLASTIC MARKING SQUARE YARDS				Y
SSYM	SMALL SYMBOL PAVEMENT MARKING				Y
RPMK	RAISED PAVEMENT MARKING				Y
ACTIVE COST GROUP TOTAL				0.00	
INFLATED COST GROUP TOTAL				0.00	

ITEMS FOR JOB 0000421

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - STP00-0000-00(421)	1.000	250000.00	250000.00
0015	210-0100		LS	GRADING COMPLETE - STP00-0000-00(421)	1.000	800000.00	800000.00
0020	207-0203		CY	FOUND BKFILL MATL, TP II	1300.000	41.52	53979.97
0025	310-5060		SY	GR AGGR BS CRS 6IN INCL MATL	65700.000	9.22	606356.47
0030	310-5080		SY	GR AGGR BS CRS 8IN INCL MATL	101560.000	9.61	976583.69
0035	402-1812		TN	RECYL AC LEVELING, INC BM&HL	100.000	87.96	8796.54
0040	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	25550.000	59.43	1518627.10
0045	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	16850.000	67.08	1130416.29
0050	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 , INC BM&HL	17500.000	68.57	1200087.70
0055	413-1000		GL	BITUM TACK COAT	38050.000	2.33	89032.05
0060	456-2015		GLM	INDENT. RUMB. STRIPS - GRND-IN-PL (SKIP)	5.000	3345.08	16725.44
0065	441-0016		SY	DRIVEWAY CONCRETE, 6 IN TK	800.000	35.43	28350.16
0070	441-0104		SY	CONC SIDEWALK, 4 IN	85.000	44.58	3789.53

STATE HIGHWAY AGENCY

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JOB ESTIMATE REPORT

0075	441-0204	SY	PLAIN CONC DITCH PAVING, 4 IN	5400.000	28.29	152776.37
0080	441-0748	SY	CONC MEDIAN, 6 IN	490.000	40.92	20052.15
0085	441-6022	LF	CONC CURB & GUTTER, 6"X30"TP2	2100.000	14.09	29591.79
0090	634-1200	EA	RIGHT OF WAY MARKERS	20.000	96.29	1925.92
0095	500-3101	CY	CLASS A CONCRETE	180.000	477.62	85972.58
0100	500-3800	CY	CL A CONC, INCL REINF STEEL	85.000	625.88	53200.52
0105	511-1000	LB	BAR REINF STEEL	18950.000	0.67	12837.11
0110	550-1180	LF	STM DR PIPE 18",H 1-10	3650.000	25.14	91796.81
0115	550-1240	LF	STM DR PIPE 24",H 1-10	350.000	37.89	13264.70
0120	550-1300	LF	STM DR PIPE 30",H 1-10	400.000	46.44	18576.58
0125	550-1360	LF	STM DR PIPE 36",H 1-10	550.000	47.57	26165.79
0130	550-2180	LF	SIDE DR PIPE 18",H 1-10	300.000	25.79	7739.04
0135	550-2240	LF	SIDE DR PIPE 24",H 1-10	200.000	30.69	6138.81
0140	550-3318	EA	SAFETY END SECTION 18",STD,4:1	14.000	775.80	10861.22
0145	550-3324	EA	SAFETY END SECTION 24",STD,4:1	7.000	927.47	6492.35
0150	550-3330	EA	SAFETY END SECTION 30",STD,4:1	1.000	1375.15	1375.16
0155	550-4118	EA	FLARED END SECT 18 IN, SIDE DR	6.000	532.62	3195.72
0160	550-4124	EA	FLARED END SECT 24 IN, SIDE DR	3.000	530.81	1592.45
0165	550-4218	EA	FLARED END SECT 18 IN, ST DR	17.000	426.36	7248.12
0170	550-4224	EA	FLARED END SECT 24 IN, ST DR	1.000	589.40	589.41
0175	550-4236	EA	FLARED END SECT 36 IN, ST DR	4.000	989.84	3959.38
0180	668-2100	EA	DROP INLET, GP 1	45.000	1660.93	74741.86
0185	668-2105	EA	DROP INLET, GP 1, SPCL DES	6.000	1668.46	10010.80
0190	668-2231	EA	DROP INLET,GP 1,MOD TP M-1	2.000	5500.00	11000.00
0195	668-4300	EA	STORM SEW MANHOLE, TP 1	1.000	2329.16	2329.16
0200	668-5005	EA	JUNCTION BOX, SPCL DES	1.000	2892.58	2892.58
0205	668-8011	SF	SAFETY GRATE, TP 1	615.000	47.69	29329.66
0210	668-8012	SF	SAFETY GRATE, TP 2	140.000	40.65	5691.35
0215	668-8013	SF	SAFETY GRATE, TP 3	200.000	40.91	8182.87
0220	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24"	175.000	57.57	10076.36
0225	603-2180	SY	STN DUMPED RIP RAP, TP 3, 12"	100.000	59.70	5970.92
0230	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24"	275.000	76.33	20993.01
0235	603-7000	SY	PLASTIC FILTER FABRIC	550.000	3.93	2161.51
0240	700-6910	AC	PERMANENT GRASSING	30.000	646.21	19386.47
0245	700-7000	TN	AGRICULTURAL LIME	10.000	54.90	549.09
0250	700-7010	GL	LIQUID LIME	65.000	19.22	1249.68
0255	700-8000	TN	FERTILIZER MIXED GRADE	16.000	491.36	7861.89
0260	700-8100	LB	FERTILIZER NITROGEN CONTENT	1250.000	2.68	3357.38
0265	163-0232	AC	TEMPORARY GRASSING	30.000	188.63	5658.95
0270	163-0240	TN	MULCH	260.000	174.37	45338.13
0275	163-0300	EA	CONSTRUCTION EXIT	6.000	1172.18	7033.10
0280	163-0520	LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	1700.000	11.94	20305.87
0285	163-0522	EA	CONSTR AND REM TEMP DCH CK - TP A SLT FN	200.000	73.31	14663.23
0290	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	45.000	199.08	8958.79
0295	165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	15125.000	0.72	10976.21
0300	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	18020.000	0.57	10324.20
0305	165-0040	EA	MAINT OF EROSION CTRL CHKDAMS/DITCH CHKS	500.000	34.40	17204.18
0310	165-0101	EA	MAINT OF CONST EXIT	6.000	398.23	2389.42
0315	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	45.000	72.00	3240.39
0320	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	3.000	355.42	1066.28

STATE HIGHWAY AGENCY

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JOB ESTIMATE REPORT

0325	167-1500	MO	WATER QUALITY INSPECTIONS	24.000	999.11	23978.85
0330	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	30250.000	1.89	57417.22
0335	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	36040.000	3.05	110184.73
0340	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	200.000	13.82	2764.46
0345	636-1029	SF	HWY SGN,TP2 MATL,REFL SH TP 3	12.000	17.32	207.92
0350	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	435.000	18.58	8086.47
0355	636-2070	LF	GALV STEEL POSTS, TP 7	1310.000	6.83	8955.26
0360	636-2090	LF	GALV STEEL POSTS, TP 9	140.000	8.11	1135.40
0365	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	71.000	68.10	4835.17
0370	653-0170	EA	THERM PVMT MARK, ARROW, TP 7	20.000	90.99	1819.83
0375	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	34000.000	0.28	9784.86
0379	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	230.000	3.73	859.37
0380	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	340000.000	0.16	55889.20
0385	653-1804	LF	THERM SOLID TRAF STRIPE, 8",WH	550.000	1.76	970.48
0390	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	45000.000	0.14	6614.55
0395	653-3502	GLF	THERMO SKIP TRAF ST, 5 IN, YEL	200.000	0.33	66.22
0400	653-6004	SY	THERM TRAF STRIPING, WHITE	18000.000	2.52	45426.24
0405	653-6006	SY	THERM TRAF STRIPING, YELLOW	3100.000	2.60	8072.90
0410	654-1001	EA	RAISED PVMT MARKERS TP 1	10.000	5.18	51.81
0415	654-1003	EA	RAISED PVMT MARKERS TP 3	550.000	3.26	1794.96
0420	654-1010	EA	RAISED PVMT MARKERS TP 10	85.000	35.23	2994.83

ITEM TOTAL

7952951.00

INFLATED ITEM TOTAL

7952951.00

TOTALS FOR JOB 0000421

ESTIMATED COST:

7952950.99

CONTINGENCY PERCENT (0.0):

0.00

ESTIMATED TOTAL:

7952950.99

NOTE: The item totals include all alternate items. The estimated totals include only the low cost alternate items.

P.I. Number 0000421

County Glynn

Date 2/2/2011

Project Number STP00-0000-00(421)

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

ENTER FPL DIESEL	3.254
ENTER FPM DIESEL	7.322

ENTER FPL UNLEADED	2.99
ENTER FPM UNLEADED	6.7275

<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)	67875.000	0.29	19683.75	0.24	16290.00	
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)	60000.000	2.90	174000.00	0.71	42600.00	
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
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Stru Steel <u>Plan Quantity</u> (LB) Section 501				8.00		1.50	
Stru Steel <u>Plan Quantity</u> (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 <u>Plan Quantity</u> (LB) Section 511				8.00		1.50	
Stru Reinf <u>Plan Quantity</u> (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=				193683.75	SUM QF UNLEADED=		58890.00
DIESEL PRICE ADJUSTMENT(\$)					\$724,783.96		
UNLEADED PRICE ADJUSTMENT(\$)					\$202,493.27		

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

125.00%	INCREASE ADJUSTMENT
----------------	----------------------------

Use this side for Asphalt Emulsion Only

L.I.N.	TYPE	ASPHALT EMULSION (GALLONS)
TMT =		<input style="width: 100px;" type="text"/>
REMARKS:		

Use this side for Asphalt Cement Only

L.I.N.	TYPE	TACK (GALLONS)
TMT =		<input style="width: 100px;" type="text"/>
REMARKS:		

MONTHLY PRICE ADJUSTMENT(\$)	
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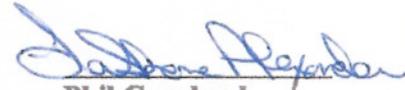
ADJUSTMENT SUMMARY

FUEL PRICE ADJUSTMENT (ENGLISH 125% MAX)	
DIESEL PRICE ADJUSTMENT(\$)	<u>\$724,783.96</u>
UNLEADED PRICE ADJUSTMENT(\$)	<u>\$202,493.27</u>
ASPHALT CEMENT PRICE ADJUSTMENT (BITUMINOUS TACK COAT 125% MAX)	<u>\$90,212.56</u>
400 / 402 ASPHALT CEMENT PRICE ADJUSTMENT 125% MAX	<u>\$1,656,000.00</u>
ASPHALT CEMENT PRICE ADJUSTMENT FOR BITUMINOUS TACK COAT(Surface Treatment 125% MAX)	

REMARKS:

TOTAL ADJUSTMENTS	\$2,673,489.79
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Preliminary Right of Way Cost Estimate



Phil Copeland
 Right of Way Administrator
 By: LaShone Alexander

Date: September 27, 2010
Project: STP00-0000-00(421) Glynn
Existing/Required R/W: Varies/Varies
Project Termini : SR SPUR 25, Glynn County
Project Description: SR SPUR 25 , Glynn County

P.I. Number: 0000421
No. Parcels: 29

Land: Residential: R/W: 35,675 sf @ \$1.75/sf	\$	62,431	
Residential Easement: 27,613 sf @ \$1.75sf @ 50%	\$	<u>24,161</u>	
			86,592
Improvements : misc. site improvements			75,000
Relocation: Commercial (0) \$			
Residential (0) \$ _____			00
Damage : Proximity(0)	\$		
Consequential (0)			
Cost to Cure (0)			<u>00</u>
		Net Cost	\$ 161,592
		Net Cost	\$ 161,592
		Scheduling Contingency 55 %	88,875
		Adm/Court Cost 60 %	<u>150,280</u>
			\$ 400,748

Total Cost \$ 400,800

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

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE STP00-0001-00(421), Glynn County
P.I. #0000421 SR-25 Spur FM Cate Rd Along
CR-588/Canal Road to SR-99

OFFICE Jesup

DATE 2/2/2011

FROM Karon L. Ivery, District Utilities Engineer

TO Matt Bennett, Project Manager

SUBJECT PRELIMINARY UTILITY COST (ESTIMATE)

As requested by your office, we are furnishing you with a Preliminary Utility Cost estimate of each utility with facilities potentially located within the above project limits.

Facility Owner	Non-Reimbursable	Reimbursable	Comments
Adephia/Comcast	\$ 75,000.00		
ATT/Bellsouth	\$ 150,000.00		
Darien Telephone	18,700.00		
Georgia Power Distribution	240,000.00	\$ 80,000.00	
Glynn Co. Joint Water/Sewer	65,000.00		
Totals	\$	\$	
Total Reimbursement	\$ 548,700.00	\$ 80,000.00	

*Please be advised that this is a sponsor project and the county is responsible for all reimbursable utility Relocations.

CC; Angie Robinson, Office of Financial Management;
Lee Upkins, State Utilities Preconstruction Engineer
District Office File
Utilities Office File

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: STP00-00-0000-00(421) Glynn **OFFICE:** Engineering Services
P.I. No.: 0000421
SR 25 Spur from Cate Road to SR 99 **DATE:** March 8, 2010

FROM: Ronald E. Wishon, State Project Review Engineer *REW*

TO: Bobby K. Hilliard, PE, State Program Delivery Engineer
Attn.: Matt Bennett

SUBJECT: IMPLEMENTATION OF VALUE ENGINEERING STUDY ALTERNATIVES

The VE Study for the above project was held January 11-14, 2010. Responses were received on March 5, 2010. Recommendations for implementation of Value Engineering Study Alternatives are indicated in the table below. The Project Manager shall incorporate the VE alternatives recommended for implementation to the extent reasonable in the design of the project.

ALT #	Description	Potential Savings/LCC	Implement	Comments
RD-1	Eliminate the Field Office and use the Area Office instead	\$85,250	Yes	This will be done.
RD-2	Reduce work on SR 99 (Eliminate 500 ft of paving)	\$260,877	Yes	This will be done.
RD-5	Utilize 32 ft depressed median instead of 44 ft depressed median	\$131,955	Yes	This will be done.
RD-6	Utilize Type A median crossovers instead of Type B (15 locations)	\$622,292	No	On high speed corridors, Type B median openings have a much improved operational efficiency, mainly due to the offset nature of the left turn lane, which improves sight distance. GDOT has programmed dozens of safety projects throughout the state to convert existing Type A median openings to Type B median openings. Modifying the crossovers within existing projects is more cost effective than retrofitting the intersections in future stand alone projects.

RD-7	Utilize triple 48" pipe at Sta. 99+80 instead of the proposed 8' x 4' box culvert	\$77,805	No	A box culvert requires much less maintenance and operates more efficiently at low flows than the multiple lines of pipe proposed by the VE Team. This is important in coastal areas to accommodate the large number of small, intense rain events in the summer. Additionally, culverts tend to have much less settlement in wet, low lying areas in the coastal regions.
RD-8	Utilize Type A median crossovers instead of Type B at Cate Road and SR 25 Spur (2 locations)	\$316,884	No	On high speed corridors, Type B median openings have a much improved operational efficiency, mainly due to the offset nature of the left turn lane, which improves sight distance. GDOT has programmed dozens of safety projects throughout the state to convert existing Type A median openings to Type B median openings. Modifying the crossovers within existing projects is more cost effective than retrofitting the intersections in future stand alone projects.
RD-10	Use 11 ft inside and 12 ft outside lanes throughout the project	\$117,813	Yes	This will be done.
RD-13	Reduce the number of median outfalls	\$62,607	No	With the acceptance of recommendation RD-5, this recommendation no longer applies. RD-5 will require regarding of the median ditch to account for the narrower median. The ditch will not be as deep as currently proposed. The flat grades and shallower ditch warrant all proposed median inlets.

The Office of Engineering Services concurs with the Project Manager's responses.

Approved:  Date: 3/8/10
Gerald M. Ross, PE, Chief Engineer

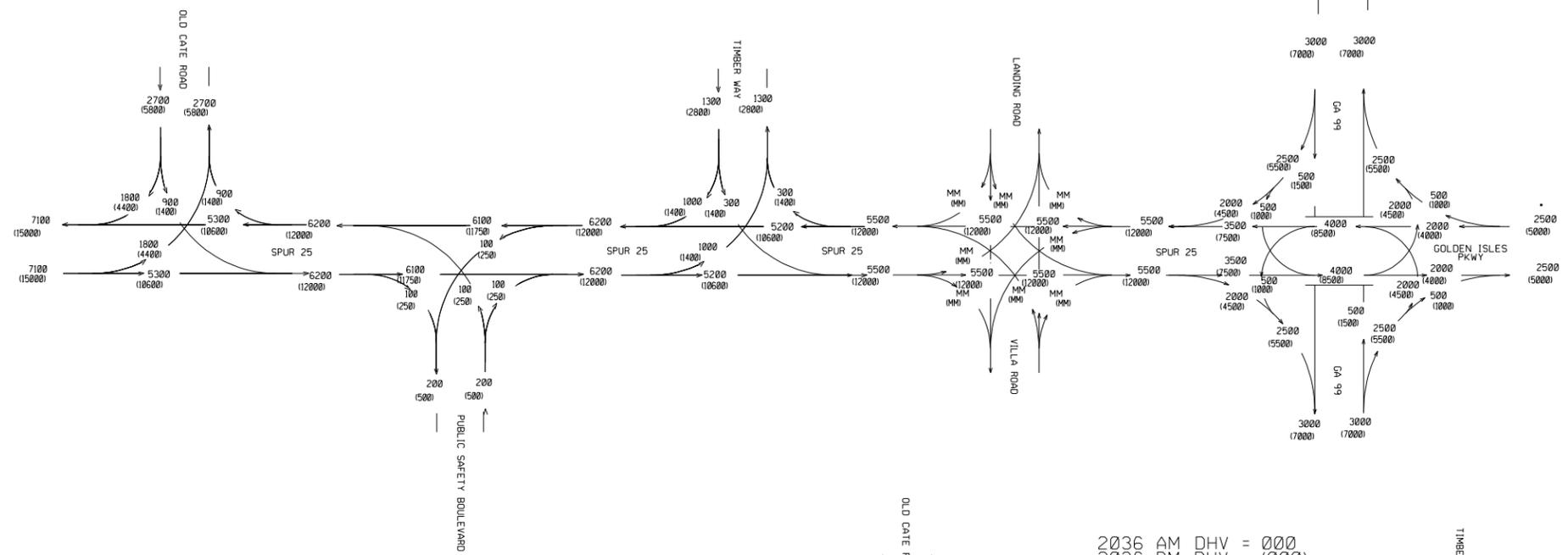
REW/LLM

Attachments

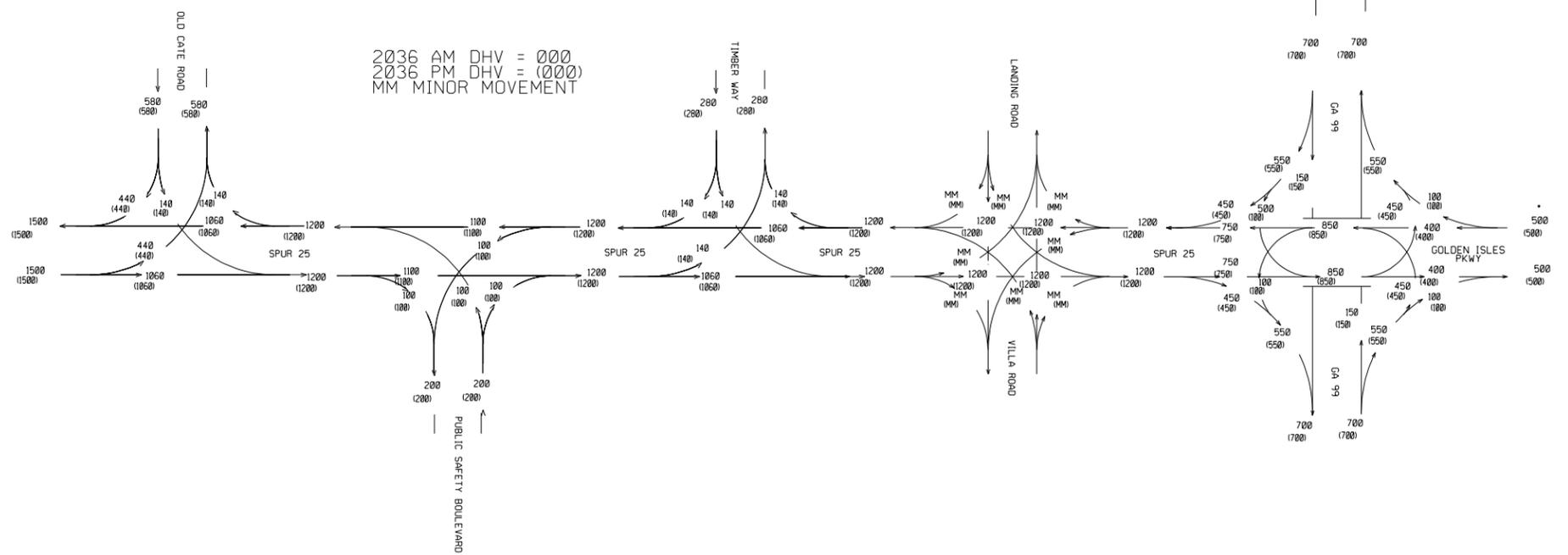
- c: Ben Buchan
Bobby Hilliard/Michael Haithcock/Matt Bennett
Larry Bowman
Will Murphy/Brian Scarbrough
Ken Werho
Lisa Myers
Matt Sanders



000 2016 ADT VOLUME
(000) 2036 ADT VOLUME
MM MINOR MOVEMENT



2036 AM DHV = 000
2036 PM DHV = (000)
MM MINOR MOVEMENT



NOTES:

2016 FORCASTED ADT= 11000 VPD
2016 24 HOUR TRUCK= 1.5%
2016 COMBINATION TRUCK=1.0%
2016 SINGLE UNIT=0.5%

2036 FORCASTED ADT= 24000 VPD
2036 24 HOUR TRUCK= 4.0%
2036 COMBINATION TRUCK=3.0%
2036 SINGLE UNIT=1.0%

GLYNN COUNTY, GA

REF: 104
REF: 105
REF: 106
REF: 107
REF: 108

REF: 104
REF: 105
REF: 106
REF: 107
REF: 108

REF: 104
REF: 105
REF: 106
REF: 107
REF: 108

THOMAS & HUTTON ENGINEERING Co.



50 PARK OF COMMERCE WAY
P.O. Box 2727
SAVANNAH, GA 31402
PHONE: (912) 234-45300
FAX: (912) 234-2950
WWW.THOMAS-HUTTON.COM

GEORGIA - SAVANNAH, BRUNSWICK
SOUTH CAROLINA - CHARLESTON, MYRTLE BEACH
NORTH CAROLINA - WILMINGTON

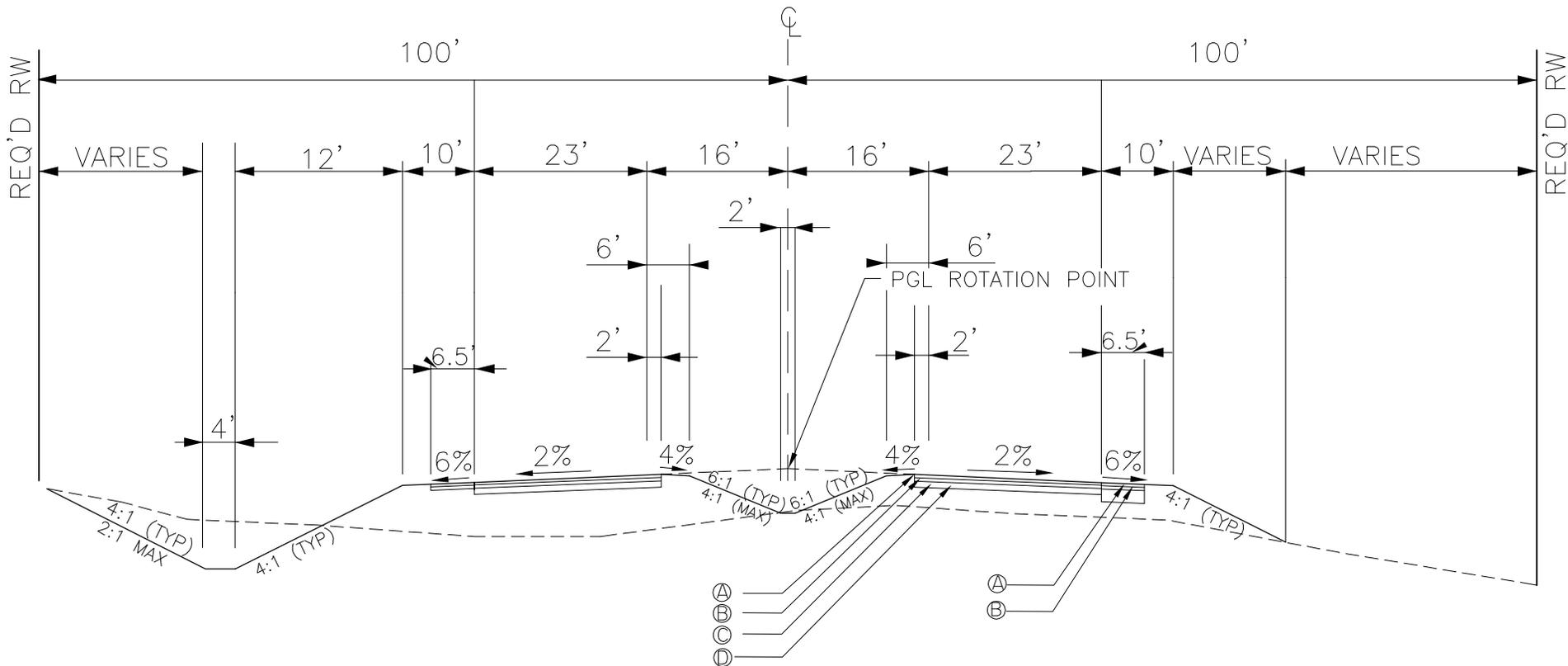
REVISION DATES

NO.	DATE	DESCRIPTION

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
TRAFFIC DIAGRAM

S. R. 25 Spur Glynn Co.

DRAWING No.
10-01



TYPICAL SECTION
 4 LANE SECTION W/ 32' DEPRESSED MEDIAN
 NTS

- Ⓐ 1 1/2" 12.5 mm Superpave
- Ⓑ 2" 19 mm Superpave
- Ⓒ 4" 25mm Superpave
- Ⓓ 8" GAB

FIGURE 5

Proposed Typical Section
GDOT Project:STP-0000-00(421)
 Brunswick, Glynn County, Georgia

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