

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0000425 **OFFICE** Design Policy & Support  
NHS00-0000-00(425)  
Hall County  
GDOT District 1 - Gainesville **DATE** 5/13/2016  
New Interchange - I-985 N of SR13 Crossover  
Near Martin Road

**FROM**  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:**

Hiral Patel, Director of Engineering  
Joe Carpenter, Director of P3/Program Delivery  
Genetha Rice-Singleton, Assistant Director of P3/Program Delivery  
Albert Shelby, State Program Delivery Engineer  
Darryl VanMeter, State Innovative Delivery Engineer  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Eric Duff, State Environmental Administrator  
Bill DuVall, State Bridge Engineer  
Andrew Heath, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Ed David Adams, State Safety Program Manager  
Richard Cobb, Location Bureau Chief  
Brent Cook, District Engineer  
Brandon Kirby, District Preconstruction Engineer  
Kim Coley, District Planning & Programming Engineer  
Scott Frederick, Area Engineer - D1, A1  
Charles A. Robinson, Project Manager  
BOARD MEMBER - 9th Congressional District

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTEROFFICE CORRESPONDENCE  
LOCATION AND DESIGN REPORT

FILE *P.I. No. 0000425*  
*Project No. NHS00-0000-00(425)*  
*Hall County*  
*I-985 NEW INTERCHANGE N OF SR 13*  
*CROSSOVER NEAR MARTIN RD*

OFFICE *Program Delivery*

DATE *5/2/2016*

FROM *Albert V. Shelby, III, State Program Delivery Engineer*



TO *Brent Story, P.E., State Design Policy Engineer/Attn: Dave Peters*

SUBJECT **Request for Location and Design Approval**

**Description and Project Proposal:**

This project will provide a new diamond interchange on I-985 near Martin Road between Exit No.12 (Spout Springs Road/City of Flowery Branch) and Exit No.16 (SR 53/City of Oakwood). A four lane divided roadway with a variable width (24 ft.-32 ft.) raised median and 12 ft. shoulder with curb and gutter and sidewalk (Martin Road Extension /New Industrial Connector Road) will be constructed on a new location to connect H. F. Reed Industrial Parkway at Thurmon Tanner Parkway on the west and Martin Road at SR 13 (Falcon Parkway) on the east. As a part of the project, a 4-ft. bicycle lane will be provided on the both sides of the new roadway. Martin Road Extension (New Industrial Connector Road) will cross over Stream # 15 and I-985 with a 497 ft. long by 100 ft. - 5 in wide bridge. No Improvements on I-985 are planned for under this project

**Concept Approval Date:** 7/20/12

**Concept Update:** Bridge over Stream # 15 and Bridge over I-985 proposed under approved concept is now replace with one single bridge to crossover stream # 15 and I-985 for ease of construction.

**Environmental Document:**

Document Type: EA/FONSI

Approval Date:

*05/10/2016*



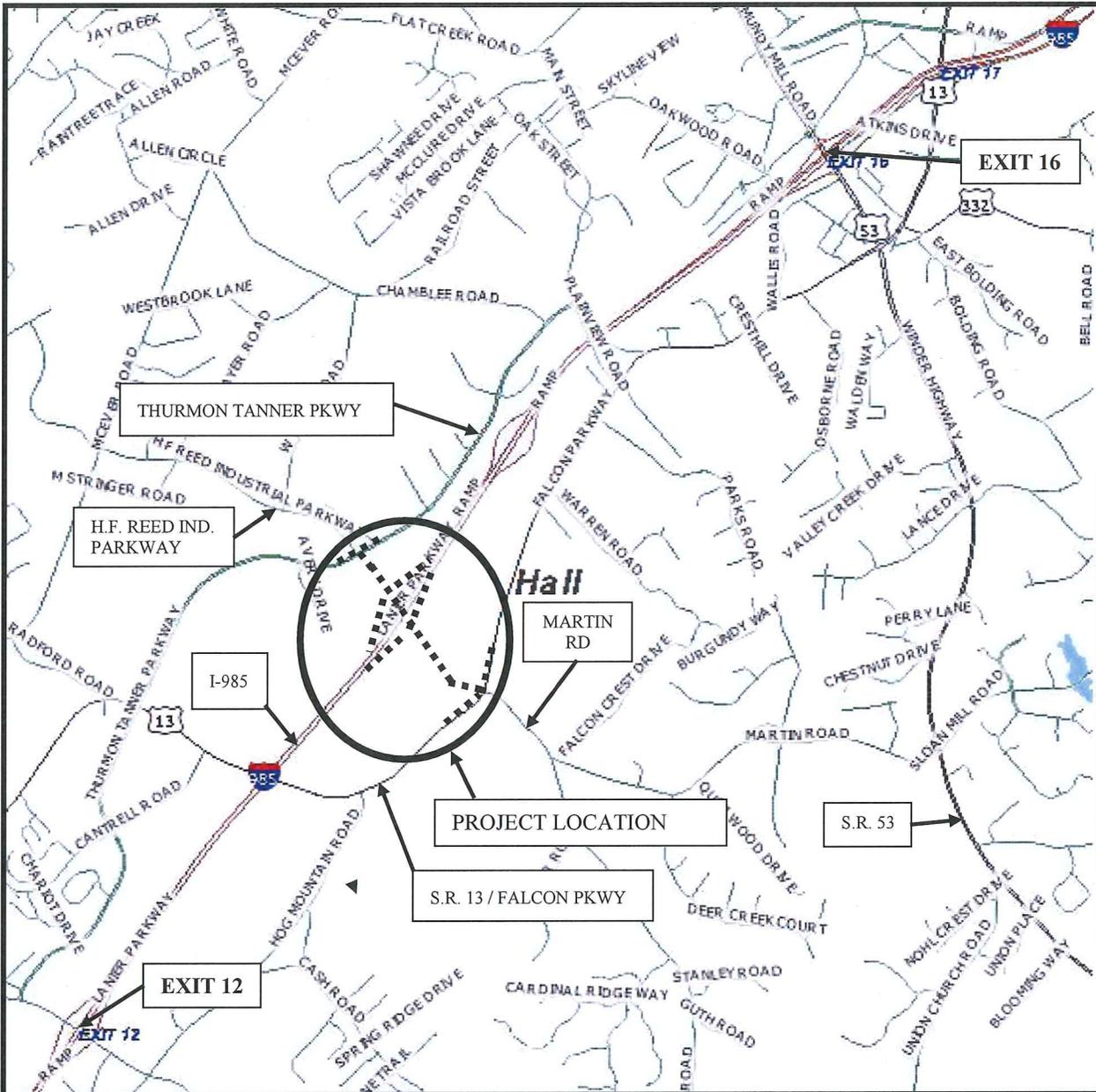
**Temporary State Route Needed:**  No  Yes  Undetermined

**Public Involvement:**

- **Public Hearing Open House (PHOH) Results summary:**
- Public Hearing Open House was held on March 8, 2016 at Martin Technology Academy, 4216 Martin Road, Flowery Branch, Georgia, 30524.



Project Number: NHS00-0000-00(425)  
 P.I. Number: 0000425  
 County: Hall



 N.T.S.	<p align="center"> <b>Project Location Map</b>          I-985 New Interchange          North of S.R. 13 Crossover Near Martin Rd          (Between Exit 12 and Exit 16)          NHS00-0000-00(425)          PI # 0000425          HALL COUNTY, GA       </p>	<p align="center">         Source:          Hall County          GIS       </p>
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**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No.  OFFICE

**PROJECT DESCRIPTION**

I-985 NEW INTERCHANGE N OF SR 13 CROSSOVER NEAR  
MARTIN RD

DATE

From:  *Albert V. Shelby, III*

To: Lisa L. Myers, State Project Review Engineer

**Subject: REVISIONS TO PROGRAMMED COSTS**

PROJECT MANAGER  *CR*

MGMT LET DATE

MGMT ROW DATE

**PROGRAMMED COSTS (TPRO W/OUT INFLATION)**

**LAST ESTIMATE UPDATE**

CONSTRUCTION \$

DATE

RIGHT OF WAY \$

DATE

UTILITIES \$

DATE

**REVISED COST ESTIMATES**

CONSTRUCTION\* \$

RIGHT OF WAY \$

UTILITIES \$

\*Cost Contains  % Contingency

**REASONS FOR COST INCREASE AND CONTINGENCY JUSTIFICATION:**

There was a minor right of way (ROW) cost estimate increase due to refined project limits. The utilities cost estimate increase was due primarily because of cost increases in reimbursable expenses and a reimbursable expense for City of Gainesville -Water (\$151,800) being added since the last utility cost estimate update . The construction cost estimate did not increase. A 15% contingency justification is being used because the cost estimate is being submitted prior to PFPR.

## CONTINGENCY SUMMARY

<b>A. CONSTRUCTION COST ESTIMATE:</b>	\$	20,802,800.85	Base Estimate From CES
<b>B. ENGINEERING AND INSPECTION (E &amp; I):</b>	\$	1,040,140.04	Base Estimate (A) x <span style="border: 1px solid black; padding: 2px 5px;">5</span> %
<b>C. CONTINGENCY:</b>	\$	3,276,441.13	Base Estimate (A) + E & I (B) x <span style="border: 1px solid black; padding: 2px 5px;">15</span> % <u>See % Table in "Risk Based Cost Estimation" Memo</u>
<b>D. TOTAL LIQUID AC ADJUSTMENT:</b>	\$	689,097.58	Total From Liquid AC Spreadsheet
<b>E. CONSTRUCTION TOTAL:</b>	\$	25,808,479.61	(A + B + C + D = E)

### REIMBURSABLE UTILITY COSTS

UTILITY OWNER	REIMBURSABLE COST
GA Power-Distribution	\$ 132,000.00
Jackson EMC	\$ 122,000.00
AT&T	\$ 7,200.00
Atlanta Gas Light	\$ 84,606.00
Sunesys	\$ 3,000.00
City of Gainesville Water	\$ 151,800.00
<b>TOTAL</b>	<b>\$ 500,606.00</b>

**ATTACHMENTS:**

Detailed Cost Estimate Printout From TRAQS  
Liquid AC Adjustment Spreadsheet

PROJ. NO. NHS00-0000-00(425)  
 P.I. NO. 0000425  
 DATE 10/7/2014

CALL NO. 9/29/2009

INDEX (TYPE)	DATE	INDEX
REG. UNLEADED	Oct-14	\$ 2.155
DIESEL		\$ 2.485
LIQUID AC		\$ 429.00

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)				<b>681234.84</b>	\$	<b>681,234.84</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40		
Monthly Asphalt Cement Price month project let (APL)			\$	429.00		
Total Monthly Tonnage of asphalt cement (TMT)				2646.6		

ASPHALT	Tons	%AC	AC ton
Leveling	9196	5.0%	459.8
12.5 OGFC		5.0%	0
12.5 mm	7706	5.0%	385.3
9.5 mm SP		5.0%	0
25 mm SP	21503	5.0%	1075.15
19 mm SP	14527	5.0%	726.35
	<b>52932</b>		<b>2646.6</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)				\$	<b>7,862.74</b>	\$	<b>7,862.74</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40			
Monthly Asphalt Cement Price month project let (APL)			\$	429.00			
Total Monthly Tonnage of asphalt cement (TMT)				30.54675776			

Bitum Tack

Gals	gals/ton	tons
7112	232.8234	30.5467578

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)					\$	<b>0</b>	\$	<b>-</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	686.40				
Monthly Asphalt Cement Price month project let (APL)			\$	429.00				
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

**TOTAL LIQUID AC ADJUSTMENT** \$ **689,097.58**

# DETAILED COST ESTIMATE



Job: 0000425\_JRP

**JOB NUMBER** 0000425\_JRP

**FED/STATE PROJECT NUMBER** NHS-0000-00(425)

**SPEC YEAR:** 01

**DESCRIPTION:** I-985 NEW INTERCHANGE N. OF SR 13 CROSSOVER NEAR MARTIN ROAD  
HALL COUNTY

ITEMS FOR JOB 0000425\_JRP

# DETAILED COST ESTIMATE



Job: 0000425\_JRP

**10 - ROADWAY**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$750,000.00000	TRAFFIC CONTROL - 0000425	\$750,000.00
0010	153-1300	1.000	EA	\$76,142.44277	FIELD ENGINEERS OFFICE TP 3	\$76,142.44
0015	201-1500	1.000	LS	\$1,000,000.00000	CLEARING & GRUBBING - 0000425	\$1,000,000.00
0020	205-0001	135117.000	CY	\$5.49070	UNCLASS EXCAV	\$741,886.91
0021	206-0002	209723.000	CY	\$3.80723	BORROW EXCAV, INCL MATL	\$798,463.70
0023	310-1101	84750.000	TN	\$18.58380	GR AGGR BASE CRS, INCL MATL	\$1,574,977.05
0025	318-3000	1000.000	TN	\$28.21420	AGGR SURF CRS	\$28,214.20
0030	402-1812	9196.000	TN	\$73.82786	RECYL AC LEVELING,INC BM&HL	\$678,921.00
0034	402-3121	21503.000	TN	\$68.45243	RECYL AC 25MM SP,GP1/2,BM&HL	\$1,471,932.60
0035	402-3130	7706.000	TN	\$83.36437	RECYL AC 12.5MM SP,GP2,BM&HL	\$642,405.84
0040	402-3190	14527.000	TN	\$73.91638	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$1,073,783.25
0045	413-1000	7112.000	GL	\$2.12816	BITUM TACK COAT	\$15,135.47
0049	430-0180	44592.000	SY	\$55.00000	PLN PC CONC PVMT/CL1C/ 8" TK	\$2,452,560.00
0050	433-1000	2160.000	SY	\$112.67112	REINF CONC APPROACH SLAB	\$243,369.62
0052	436-1000	3350.000	LF	\$7.57306	ASPH CONC CURB - 6"	\$25,369.75
0053	441-0004	600.000	SY	\$53.93185	CONC SLOPE PAV, 4 IN	\$32,359.11
0055	441-0018	1000.000	SY	\$41.61498	DRIVEWAY CONCRETE, 8 IN TK	\$41,614.98
0056	441-0104	8359.000	SY	\$23.80030	CONC SIDEWALK, 4 IN	\$198,946.71
0057	441-0301	10.000	EA	\$1,561.86427	CONC SPILLWAY, TP 1	\$15,618.64
0058	441-0748	3849.000	SY	\$34.48311	CONC MEDIAN, 6 IN	\$132,725.49
0059	441-4030	300.000	SY	\$63.59888	CONC VALLEY GUTTER, 8 IN	\$19,079.66
0060	441-6222	15803.000	LF	\$9.24448	CONC CURB & GUTTER/ 8"X30"TP2	\$146,090.52
0061	441-6740	5222.000	LF	\$11.92081	CONC CURB & GUTTER/ 8"X30" TP7	\$62,250.47
0062	500-3101	260.000	CY	\$496.17849	CLASS A CONCRETE	\$129,006.41
0063	500-3800	283.000	CY	\$915.93498	CL A CONC, INCL REINF STEEL	\$259,209.60
0064	511-1000	28100.000	LB	\$0.88230	BAR REINF STEEL	\$24,792.63
0065	550-1180	4000.000	LF	\$27.82941	STM DR PIPE 18",H 1-10	\$111,317.64
0067	550-1240	2170.000	LF	\$38.65398	STM DR PIPE 24",H 1-10	\$83,879.14
0069	550-1300	2730.000	LF	\$45.18984	STM DR PIPE 30",H 1-10	\$123,368.26
0070	550-1360	840.000	LF	\$64.89757	STM DR PIPE 36",H 1-10	\$54,513.96
0072	550-1420	112.000	LF	\$89.67684	STM DR PIPE 42",H 1-10	\$10,043.81
0073	550-1480	8.000	LF	\$126.49473	STM DR PIPE 48",H 1-10	\$1,011.96
0074	550-1600	250.000	LF	\$131.27057	STM DR PIPE 60",H 1-10	\$32,817.64
0080	550-4218	4.000	EA	\$533.00228	FLARED END SECT 18 IN, ST DR	\$2,132.01
0081	550-4224	2.000	EA	\$632.72580	FLARED END SECT 24 IN, ST DR	\$1,265.45
0086	550-4230	7.000	EA	\$688.54601	FLARED END SECT 30 IN, ST DR	\$4,819.82
0090	550-4236	4.000	EA	\$1,069.00155	FLARED END SECT 36 IN, ST DR	\$4,276.01
0095	550-4242	2.000	EA	\$1,423.15544	FLARED END SECT 42 IN, ST DR	\$2,846.31
0100	573-2006	1000.000	LF	\$21.39614	UNDDR PIPE INCL DRAIN AGGR 6"	\$21,396.14
0104	641-1100	175.000	LF	\$48.34764	GUARDRAIL, TP T	\$8,460.84
0105	641-1200	11875.000	LF	\$15.34972	GUARDRAIL, TP W	\$182,277.93
0109	641-5001	22.000	EA	\$828.46734	GUARDRAIL ANCHORAGE, TP 1	\$18,226.28
0110	641-5012	25.000	EA	\$2,011.31681	GUARDRAIL ANCHORAGE, TP 12	\$50,282.92
0114	642-0100	760.000	LF	\$15.00000	CABLE BARRIER	\$11,400.00
0115	642-0300	2.000	EA	\$2,500.00000	CABLE TERMINAL (NCHRP 350 TL-3 COMPLIAN)	\$5,000.00
0117	643-0155	6050.000	LF	\$9.73000	FIELD FENCE SPCL DESIGN	\$58,866.50
0120	668-1100	40.000	EA	\$2,208.64161	CATCH BASIN, GP 1	\$88,345.66
0125	668-1200	8.000	EA	\$2,672.71913	CATCH BASIN, GP 2	\$21,381.75
<b>SUBTOTAL FOR ROADWAY:</b>						<b>\$13,532,786.08</b>

# DETAILED COST ESTIMATE



Job: 0000425\_JRP

**20 - PERMANENT EROSION**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0129	441-0204	7000.000	SY	\$33.29751	PLAIN CONC DITCH PAVING, 4 IN	\$233,082.57
0130	603-2024	500.000	SY	\$57.21591	STN DUMPED RIP RAP, TP 1, 24"	\$28,607.96
0131	603-7000	500.000	SY	\$3.41474	PLASTIC FILTER FABRIC	\$1,707.37
0133	700-6910	74.000	AC	\$522.21863	PERMANENT GRASSING	\$38,644.19
0135	700-7000	222.000	TN	\$36.73756	AGRICULTURAL LIME	\$8,155.74
0145	700-8000	67.000	TN	\$595.45428	FERTILIZER MIXED GRADE	\$39,895.44
0150	700-8100	3700.000	LB	\$1.69633	FERTILIZER NITROGEN CONTENT	\$6,276.42
0155	710-9000	8000.000	SY	\$3.98533	PERM SOIL REINFORCING MAT	\$31,882.64
0159	716-1000	8000.000	SY	\$1.63306	EROSION CONTROL MATS, WATERWAYS	\$13,064.48
<b>SUBTOTAL FOR PERMANENT EROSION:</b>						<b>\$401,316.81</b>

**30 - TEMPORARY EROSION**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0160	163-0232	37.000	AC	\$445.30827	TEMPORARY GRASSING	\$16,476.41
0165	163-0240	333.000	TN	\$170.30944	MULCH	\$56,713.04
0170	163-0300	12.000	EA	\$1,362.77209	CONSTRUCTION EXIT	\$16,353.27
0175	163-0503	44.000	EA	\$336.61311	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$14,810.98
0180	163-0529	1000.000	LF	\$4.75019	CNST/REM TEMP SED BAR OR BLD STRW CK DM	\$4,750.19
0185	163-0550	20.000	EA	\$201.34713	CONS & REM INLET SEDIMENT TRAP	\$4,026.94
0190	165-0010	3000.000	LF	\$0.51670	MAINT OF TEMP SILT FENCE, TP A	\$1,550.10
0195	165-0030	4500.000	LF	\$0.58815	MAINT OF TEMP SILT FENCE, TP C	\$2,646.68
0205	165-0071	500.000	LF	\$0.51891	MAINT OF SEDIMENT BARRIER - BALED STRAW	\$259.46
0209	165-0087	46.000	EA	\$67.20191	MAINT OF SILT CONTROL GATE, TP 3	\$3,091.29
0210	165-0101	12.000	EA	\$550.18607	MAINT OF CONST EXIT	\$6,602.23
0215	165-0105	20.000	EA	\$20.54052	MAINT OF INLET SEDIMENT TRAP	\$410.81
0220	167-1000	2.000	EA	\$333.96171	WATER QUALITY MONITORING AND SAMPLING	\$667.92
0225	167-1500	24.000	MO	\$425.74229	WATER QUALITY INSPECTIONS	\$10,217.81
0230	171-0010	6000.000	LF	\$2.21135	TEMPORARY SILT FENCE, TYPE A	\$13,268.10
0235	171-0030	9000.000	LF	\$2.99202	TEMPORARY SILT FENCE, TYPE C	\$26,928.18
<b>SUBTOTAL FOR TEMPORARY EROSION:</b>						<b>\$178,773.41</b>

# DETAILED COST ESTIMATE



Job: 0000425\_JRP

**40 - SIGNING AND MARKING**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0245	636-1020	50.000	SF	\$13.06860	HWY SGN,TP1MAT,REFL SH TP3	\$653.43
0250	636-1029	150.000	SF	\$13.63213	HWY SGN,TP2 MATL,REFL SH TP 3	\$2,044.82
0255	636-1041	50.000	SF	\$35.64672	HWY SIGNS,TP 2MAT,REFL SH TP 9	\$1,782.34
0260	636-2070	50.000	LF	\$6.16726	GALV STEEL POSTS, TP 7	\$308.36
0265	636-2080	100.000	LF	\$8.09395	GALV STEEL POSTS, TP 8	\$809.40
0270	636-3000	7800.000	LB	\$2.53046	GALV STEEL STR SHAPE POST	\$19,737.59
0275	636-3010	5.000	EA	\$459.51561	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	\$2,297.58
0279	636-9094	140.000	LF	\$87.28164	P-IN-PL,SIGNS,STL H,HP 12 X 53	\$12,219.43
0280	652-0094	16.000	EA	\$46.93026	PVMT MARKING, SYMBOL, TP 4	\$750.88
0281	652-0110	16.000	EA	\$49.51673	PAVEMENT MARKING, ARROW, TP 1	\$792.27
0282	652-5301	5500.000	LF	\$0.18419	SOLID TRAF STRIPE, 6 IN, WHITE	\$1,013.05
0283	652-6301	700.000	GLF	\$0.17838	SKIP TRAF STRIPE, 6 IN, WHITE	\$124.87
0285	653-0120	100.000	EA	\$74.56896	THERM PVMT MARK, ARROW, TP 2	\$7,456.90
0290	653-1501	25100.000	LF	\$0.41337	THERMO SOLID TRAF ST 5 IN, WHI	\$10,375.59
0295	653-1502	25100.000	LF	\$0.51951	THERMO SOLID TRAF ST, 5 IN YEL	\$13,039.70
0300	653-1704	640.000	LF	\$4.95165	THERM SOLID TRAF STRIPE,24",WH	\$3,169.06
0305	653-1804	4350.000	LF	\$1.74739	THERM SOLID TRAF STRIPE, 8", WH	\$7,601.15
0310	653-3501	21850.000	GLF	\$0.54300	THERMO SKIP TRAF ST, 5 IN, WHI	\$11,864.55
0315	654-1001	50.000	EA	\$3.75556	RAISED PVMT MARKERS TP 1	\$187.78
0320	654-1003	400.000	EA	\$3.47142	RAISED PVMT MARKERS TP 3	\$1,388.57
0325	657-1104	7400.000	LF	\$7.50000	PRF PL SD PVMT MKG,10",WH,TPPB	\$55,500.00
0330	657-2054	2.000	LM	\$20,200.00000	PRF PL SD PVMT MKG,5",WH,TP PB	\$40,400.00
0335	657-3054	4720.000	GLF	\$6.00000	PRF PL SK PVMT MKG,5",WH,TP PB	\$28,320.00
0340	657-3085	4720.000	GLF	\$3.80097	PRF PL SK PVMT MKG,8",B/W,TPPB	\$17,940.58
0345	657-7054	1.000	LM	\$17,500.00000	PRF PL SD PVMT MKG,5",YE,TP PB	\$17,500.00
<b>SUBTOTAL FOR SIGNING AND MARKING:</b>						<b>\$267,277.90</b>

**45 - TRAFFIC SIGNAL INSTALLATIONS**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0378	639-4004	4.000	EA	\$6,592.45651	STRAIN POLE, TP IV	\$26,369.83
0385	647-1000	1.000	LS	\$44,083.00000	TRAF SIGNAL INSTALLATION NO - 3 - MARTIN RD. EXT. @ S.R. 13	\$44,083.00
<b>SUBTOTAL FOR TRAFFIC SIGNAL INSTALLATIONS:</b>						<b>\$70,452.83</b>

**50 - BR NO 1 & 2 WITH MSE WALL - NEW IND. CONN.**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0510	211-0200	2440.000	CY	\$24.91354	BR EXCAV, GRADE SEPARATION	\$60,789.04
0512	211-0300	2440.000	CY	\$45.00000	BR EXCAV, STREAM CROSSING	\$109,800.00
0515	500-1006	1980.000	LS	\$875.00000	SUPERSTR CONCRETE, CL AA, BR NO - 1	\$1,732,500.00
0520	500-3002	260.000	CY	\$750.00000	CL AA CONCRETE	\$195,000.00
0525	507-9031	5880.000	LF	\$141.77926	PSC BEAMS,AASHTO,BULB TEE, 63" 1	\$833,662.05
0535	511-1000	30000.000	LB	\$0.87620	BAR REINF STEEL	\$26,286.00
0540	511-3000	1.000	LS	\$552,000.00000	SUPERSTR REINF STEEL, BR NO - 1	\$552,000.00
0550	520-1147	5100.000	LF	\$59.15924	PIL-IN-PL,STEEL H,HP 14 X 73	\$301,712.12
0555	627-1010	16467.000	SF	\$48.53972	MSE WALL FACE, 10 - 20 FT HT, WALL NO - MSE WALL	\$799,303.57
0560	627-1160	712.000	LF	\$250.00000	TRAFFIC BARRIER H, WALL NO - MSE WALL	\$178,000.00
<b>SUBTOTAL FOR BR NO 1 &amp; 2 WITH MSE WALL - NEW IND. CONN.:</b>						<b>\$4,789,052.78</b>

# DETAILED COST ESTIMATE



Job: 0000425\_JRP

**60 - BR NO 3 & MSE WALL, ON RAMP "B", STRM # 14**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0605	208-0200	50.000	CY	\$72.73154	ROCK EMBANKMENT	\$3,636.58
0610	211-0300	50.000	CY	\$45.00000	BR EXCAV, STREAM CROSSING	\$2,250.00
0615	500-1006	170.000	LS	\$875.00000	SUPERSTR CONCRETE, CL AA, BR NO - 2	\$148,750.00
0620	500-3002	65.000	CY	\$750.00000	CL AA CONCRETE	\$48,750.00
0625	507-9031	625.000	LF	\$148.38863	PSC BEAMS,AASHTO,BULB TEE, 63" 2	\$92,742.89
0630	511-1000	4300.000	LB	\$1.07651	BAR REINF STEEL	\$4,628.99
0635	511-3000	1.000	LS	\$17,500.00000	SUPERSTR REINF STEEL, BR NO - 2	\$17,500.00
0640	520-1125	1200.000	LF	\$40.23610	PIL-IN-PL,STEEL H,HP 12 X 53	\$48,283.32
0645	627-1010	1200.000	SF	\$48.53972	MSE WALL FACE, 10 - 20 FT HT, WALL NO - MSE WALL	\$58,247.66
0650	627-1160	60.000	LF	\$300.00000	TRAFFIC BARRIER H, WALL NO - MSE WALL	\$18,000.00
<b>SUBTOTAL FOR BR NO 3 &amp; MSE WALL, ON RAMP "B", STRM # 14:</b>						<b>\$442,789.44</b>

**70 - BR NO 4 & MSE WALL ON RAMP "C" STRM # 16**

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0705	211-0300	400.000	CY	\$45.00000	BR EXCAV, STREAM CROSSING	\$18,000.00
0710	500-1006	225.000	LS	\$875.00000	SUPERSTR CONCRETE, CL AA, BR NO - 3	\$196,875.00
0715	500-3002	75.000	CY	\$750.00000	CL AA CONCRETE	\$56,250.00
0720	507-9031	625.000	LF	\$148.38863	PSC BEAMS,AASHTO,BULB TEE, 63" 3	\$92,742.89
0725	511-1000	5700.000	LB	\$1.04483	BAR REINF STEEL	\$5,955.53
0730	511-3000	1.000	LS	\$23,000.00000	SUPERSTR REINF STEEL, BR NO - 3	\$23,000.00
0735	520-1125	1200.000	LF	\$40.23610	PIL-IN-PL,STEEL H,HP 12 X 53	\$48,283.32
0740	627-1010	11200.000	SF	\$48.53972	MSE WALL FACE, 10 - 20 FT HT, WALL NO - MSE WALL	\$543,644.86
0745	627-1160	560.000	LF	\$260.00000	TRAFFIC BARRIER H, WALL NO - MSE WALL	\$145,600.00
<b>SUBTOTAL FOR BR NO 4 &amp; MSE WALL ON RAMP "C" STRM # 16:</b>						<b>\$1,130,351.60</b>

**TOTALS FOR JOB 0000425\_JRP**

ITEMS COST:	<b>\$20,802,800.85</b>
COST GROUP COST:	<b>\$0.00</b>
ESTIMATED COST:	<b>\$20,802,800.85</b>
CONTINGENCY PERCENT:	<b>0.00</b>
ENGINEERING AND INSPECTION:	<b>0.00</b>
ESTIMATED COST WITH CONTINGENCY AND E&I:	<b>\$20,802,800.85</b>

**GEORGIA DEPARTMENT OF TRANSPORTATION  
PRELIMINARY ROW COST ESTIMATE SUMMARY**

Date: 8/19/2015 Project: Interchange Improvement  
 Revised: 8/19/2015 County: Hall County  
 PI: 0000425

Description: Interchange Improvement  
 Project Termini: Interchange Improvement

Existing ROW: Varies  
 Required ROW: Varies  
 Parcels: 28

Land and Improvements \_\_\_\_\_ \$15,148,462.50

*Proximity Damage \$0.00*

*Consequential Damage \$1,250,000.00*

*Cost to Cures \$2,170,000.00*

*Trade Fixtures \$0.00*

*Improvements \$1,900,000.00*

Valuation Services \_\_\_\_\_ \$162,500.00

Legal Services \_\_\_\_\_ \$206,400.00

Relocation \_\_\_\_\_ \$56,000.00

Demolition \_\_\_\_\_ \$0.00

Administrative \_\_\_\_\_ \$238,500.00

TOTAL ESTIMATED COSTS \_\_\_\_\_ \$15,811,862.50

**TOTAL ESTIMATED COSTS (ROUNDED) \_\_\_\_\_ \$15,812,000.00**

Preparation Credits	Hours	Signature

Prepared By: Dashone Alexander CG#: 286999 08/19/2015 (DATE)  
 Approved By: Dashone Alexander CG#: 286999 08/19/2015 (DATE)

**NOTE: No Market Appreciation is included in this Preliminary Cost Estimate**





U.S. Department  
of Transportation  
**Federal Highway  
Administration**

**Georgia Division**

May 10, 2016

61 Forsyth Street SW  
Suite 17T100  
Atlanta, Georgia 30303  
Phone 404-562-3630  
Fax 404-562-3703  
Georgia.fhwa@fhwa.dot.gov

In Reply Refer To:  
HPD-GA

Russell R. McMurry, P.E., Commissioner  
Georgia Department of Transportation  
One Georgia Center  
600 West Peachtree Street, NW  
Atlanta, GA 30308

Dear Commissioner McMurry:

We have signed the Environmental Assessment/Finding of No Significant Impact for Project NHS000-0000-00(425), PI 0000425, which provides for a new interchange north of SR 13 Crossover near Martin Road at I-985 in Hall County Georgia. Given the changes that have occurred since we signed the draft Environmental Assessment and the comments received during the Public Hearing Open House, we offer the following recommendations for future project actions.

Termini for this project, for the purpose of NEPA analyses, were expanded to include the widening of Martin Road. This decision was made because of the traffic expected to be generated by the proposed new interchange and extension of Martin Road. The public recognized this with their comments regarding the need to widen Martin Road at the same time that the new interchange is built. The new Gainesville Hall Metropolitan Planning Organization's (GHMPO) Transportation Plan update does not indicate that this locally sponsored project will be accelerated from its original schedule. We recommend that if the widening project has not been constructed when the interchange is open to traffic, the GHMPO commit to updating traffic studies on the existing Martin Road and planning accordingly to accommodate any additional traffic resulting from Project 0000425.

If you have any questions or require additional information, please contact Jennifer Giersch at (404) 562-3653.

Sincerely,

Rodney N. Barry P.E.  
Division Administrator

Georgia Department of Transportation Project No. NHS00-0000-00(425) and  
Gainesville-Hall Metropolitan Planning Organization Project No. GH-024  
Hall County  
P.I. Number 0000425

The proposed construction of a new interchange on I-985 and the widening of Martin Road from SR  
13/Falcon Parkway to SR 53/Mundy Mill Road.

## Environmental Assessment

Submitted by the  
US DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION  
and

GEORGIA DEPARTMENT OF TRANSPORTATION

Pursuant to 42 U.S.C. 4321 et. seq.

Approval for Advancement for Holding of Public Hearing

2-10-16 Eric Duff/mm  
Date Eric Duff  
State Environmental Administrator  
Georgia Department of Transportation

2-11-16 Jennifer L. Gusev  
Date For: Rodney N. Barry, P.E.  
Division Administrator  
Federal Highway Administration

Approval of Environmental Assessment

4-29-16 Eric Duff/mm  
Date Eric Duff  
State Environmental Administrator  
Georgia Department of Transportation

5-10-16 Jennifer L. Gusev  
Date For: Rodney N. Barry, P.E.  
Division Administrator  
Federal Highway Administration

# **NOTICE OF LOCATION AND DESIGN APPROVAL PROJECT NUMBER NHS00-0000-00(425), HALL COUNTY P. I. NUMBER 0000425**

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 and design approval is: **May 13, 2016**

The project proposes to construct a new access Point on I-985 north of SR 13 Crossover near Martin Road between current EXIT # 12 (Spout Spring Road/City of Flowery Branch) and Exit # 16 SR 53/(City of Oakwood) in southern Hall County. The project is located in Land Lots 69, 70, 72, 73, 74, 92, and 93 and Land District 8.

This project will provide a new diamond interchange on I-985 near Martin Road between Exit No. 12 (Spout Springs Road/City of Flowery Branch) and Exit No.16 (SR 53/City of Oakwood). A four lane divided roadway with a variable width (24 foot.-32 foot.) raised median and 12 foot shoulders with curb and gutter and sidewalk (Martin Road Extension /New Industrial Connector Road) will be constructed on a new location to connect H. F. Reed Industrial Parkway at Thurmon Tanner Parkway on the west and Martin Road at SR 13 (Falcon Parkway) on the east. As a part of the project, a 4 foot wide bicycle lane will be provided on the both sides of the new roadway. There are no improvements on I-985 planned under this project.

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:

Scott Frederick, District 1, Area 1 Engineer  
sfrederick@dot.ga.gov  
2594 Gillsville Highway  
Gainesville, GA 30507  
(770) 535-5759

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:

Albert V. Shelby, III, State Program Delivery Engineer  
Office of Program Delivery  
Attn: Charles A. Robinson  
chrobinson@dot.ga.gov  
Georgia Department of Transportation  
One Georgia Center  
Office of Program Delivery  
600 West Peachtree Street. Floor 25  
Atlanta, GA 30308  
(404) 631-1439

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.