ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT
INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. #0007844
CSSTP-0007-00(844)
Forsyth County
GDOT District 1 - Gainesville
SR 9 from CR 458/McFarland Rd. to SR 371

OFFICE Design Policy & Support

DATE November 3, 2016

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:

Hiral Patel, Director of Engineering
Joe Carpenter, 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
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
Anthony Tate, Project Manager
BOARD MEMBER - 7th Congressional District

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE CSSTP-0007-00(844), Forsyth County
P.I. No. 0007844
SR 9 from CR 458/McFarland Road to SR 371

OFFICE Program Delivery

DATE September 20, 2016

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

TO Office of Design Policy and Support (via Concepts Reports mailbox)

SUBJECT: **Submittal – Location and Design (L&D) Report**

The Office of Program Delivery hereby submits the attached Location and Design (L&D) Report for your review and approval.

If any additional information is needed, please contact Anthony Tate at (404) 631-1769.

KWN DB
AVS:KWN:DMB:ATT

Attachments: Preconstruction Status Report, Completed Location & Design approval request

Rec'd 10-14-16

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTEROFFICE CORRESPONDENCE

LOCATION AND DESIGN REPORT

FILE: P.I. # 0007844
CSSTP-0007-00(844)
Forsyth County
SR 9 From CR 458/McFarland Parkway to SR 371/Post Road/Mullinax Road

OFFICE: Program Delivery

DATE: October 14, 2016

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

TO: Brent Story, P.E., State Design Policy Engineer
Attn: Dave Peters, P.E., State Conceptual Design Group Manager

SUBJECT: Request for Location and Design Approval

Description and Project Proposal: Project CSSTP-0007-00(844) is located in southwest Forsyth County and includes the widening of SR 9/Atlanta Highway from existing two lanes to four lanes with raised median and urban shoulders. Project begins north of the intersection with CR 458/McFarland Parkway and ends just past the intersection with SR 371/Post Road/Mullinax Road for a total project length of 2.22 miles. Horizontal and vertical geometry will meet a 45-mph design speed and normal right-of-way will be set at the shoulder break for an 84-foot minimum right-of-way corridor. Proposed roadway will be an urban section with two (2) 11-foot travel lanes in each direction and separated by a 16-foot raised median. There will be a 12-foot shoulder on each side with a 5-foot sidewalk.

Concept Approval Date: May 6, 2015

Concept Update: In order to taper the proposed project footprint to existing conditions rather than directly connect to adjacent widening projects along the corridor, he project termini have changed following concept approval from a project length of 2.22 miles to 2.4 miles.

Environmental Document: N/A – This project is State Funded with costs less than $100 Million.

Document Type: N/A Approval Date: N/A

Public Involvement: A public information open house (PIOH) was held on September 23, 2014 at Vickery Creek Middle School in Cumming, GA from 5:00 pm until 7:00 pm – 162 people came. 57 comment forms were submitted: 34 in favor of the project, 12 conditional, 2 uncommitted, 4 against, 2 both in favor and conditional, 1 both against and conditional, and 2 without a marked response. Comments were related to access concerns due to raised median separation, location of median opening, movement of trucks, requests for additional signs, and requests to expedite construction.

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

Recommendations: Recommend that the location and design for the project be approved and that the attached Notice be approved for advertising.

CONCUR: _____
GDOT Director of Engineering

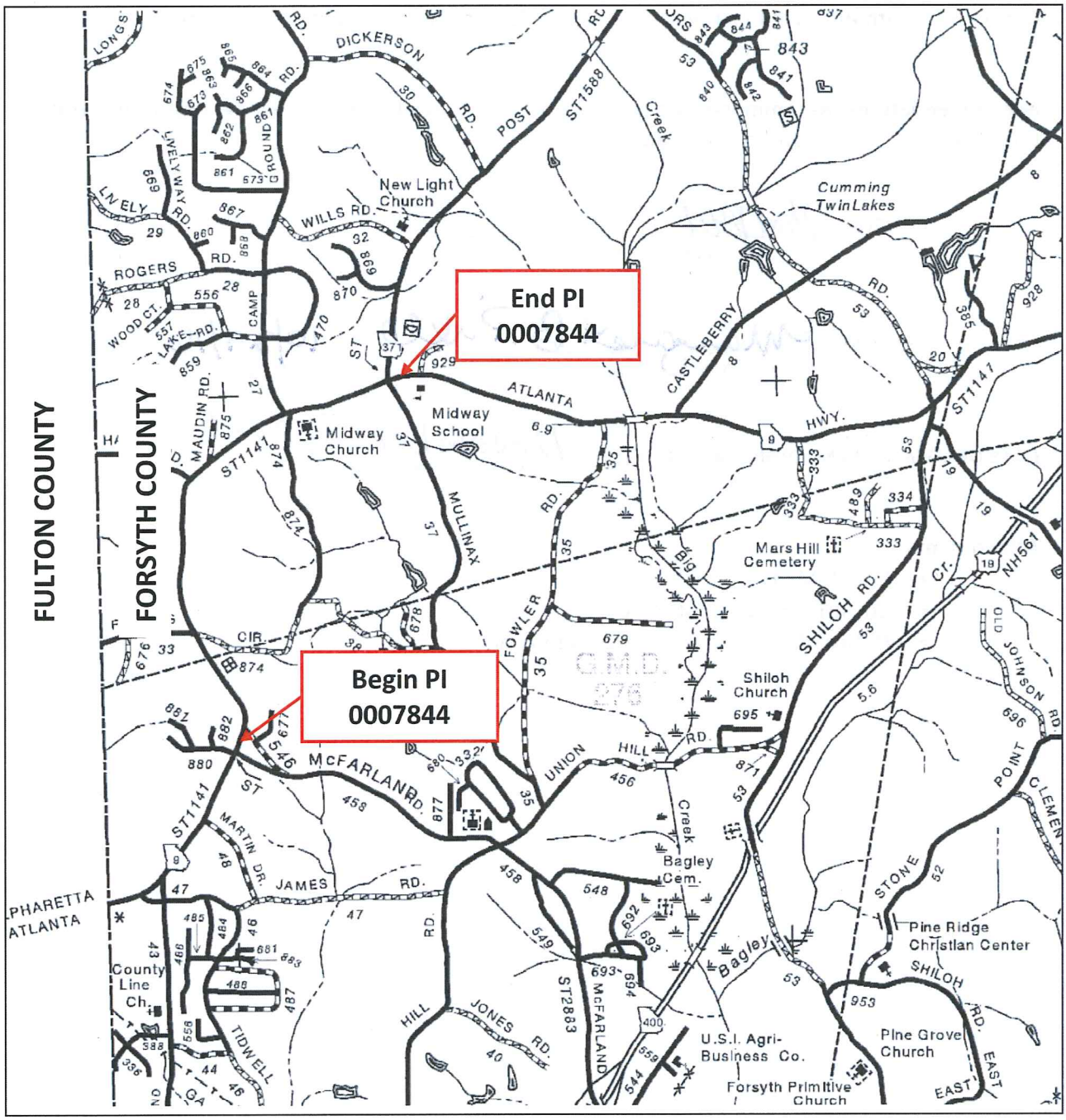
APPROVE: Margaret B. Pinkel _____ 10/27/16
GDOT Chief Engineer Date

DATE OF LOCATION AND DESIGN APPROVAL: November 3, 2016

Attachments:

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

PROJECT LOCATION



N

Project Location Map

(not to scale)

Project: CSSTP-0007-00(844), PI No.: 0007844

SR 9/Atlanta Highway, Forsyth County, Georgia

STATE HIGHWAY AGENCY

DATE : 10/03/2016
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0007844-2 SPEC YEAR: 01
DESCRIPTION: SR9 FROM MCFARLAND ROAD TO SR 371
FORSYTH COUNTY

ITEMS FOR JOB 0007844-2

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - CSSTP-0007-00-(844)	1.000	125000.00	125000.00
0010	153-1300		EA	FIELD ENGINEERS OFFICE TP 3	1.000	83200.24	83200.25
0015	210-0100		LS	GRADING COMPLETE - CSSTP-0007-00-(844)	1.000	1068840.00	1068840.00
0020	310-1101		TN	GR AGGR BASE CRS, INCL MATL	122274.000	18.58	2272149.27
0030	318-3000		TN	AGGR SURF CRS	2200.000	19.01	41836.83
0035	402-1812		TN	RECYL AC LEVELING,INC BM&HL	17992.000	62.42	1123202.96
0040	402-3100		TN	REC AC 9.5 MM SP,TPI,GP1ORBL1,INCL BM&HL	102.000	93.27	9514.52
0045	402-4506		TN	RECYL AC 9.5MM,SP,TPII,GP2ON,IN PMBM&HL	322.000	82.41	26536.02
0050	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	29016.000	69.70	2022415.20
0055	402-3130		TN	RECYL AC 12.5MM SP,GP2,BM&HL	1757.000	80.68	141770.59
0056	402-4510		TN	RECYL AC 12.5 MM SP,GP2ONLY,INC P-MBM&HL	7397.000	79.53	588349.32
0060	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	10056.000	82.44	829016.64
0065	413-1000		GL	BITUM TACK COAT	8356.000	2.94	24566.64
0070	432-5010		SY	MILL ASPH CONC PVMT,VARB DEPTH	210746.000	1.23	261194.38
0075	441-0106		SY	CONC SIDEWALK, 6 IN	11928.000	40.90	487881.68
0076	441-0108		SY	CONC SIDEWALK, 8 IN	1303.000	47.78	62263.31
0077	441-4020		SY	CONC VALLEY GUTTER, 6 IN	171.000	39.85	6815.14
0078	441-4030		SY	CONC VALLEY GUTTER, 8 IN	1916.000	44.31	84916.66
0080	441-0748		SY	CONC MEDIAN, 6 IN	10766.000	46.18	497258.72
0084	441-5002		LF	CONC HEADER CURB, 6", TP 2	4282.000	12.61	54014.30
0085	441-5008		LF	CONC HEADER CURB, 6 IN, TP 7	15991.000	15.58	249285.30
0090	441-5052		LF	CONC DWL INT CURB, TP 2,DOWELS	8124.000	5.50	44682.00
0100	441-6222		LF	CONC CURB & GUTTER/ 8"X30"TP2	28932.000	12.59	364409.53
0105	446-1100		LF	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	8771.000	3.76	33026.24
0110	500-3201		CY	CL B CONC, RET WALL	103.000	669.84	68993.83
0111	500-3800		CY	CL A CONC, INCL REINF STEEL	119.000	1021.43	121550.27
0115	500-9999		CY	CL B CONC,BASE OR PVMT WIDEN	93.000	206.34	19190.06
0120	515-2020		LF	GALV STEEL PIPE HDRAIL,2",ROUD	500.000	31.80	15901.37
0125	621-4021		LF	CONCRETE SIDE BARRIER, TY 2A	950.000	278.04	264138.00
0130	621-4022		LF	CONCRETE SIDE BARRIER, TY 2B	582.000	443.20	257942.40
0135	621-4023		LF	CONCRETE SIDE BARRIER, TY 2C	422.000	709.12	299248.64
0140	632-0003		EA	CHANGEABLE MESS SIGN,PORT,TP 3	8.000	8889.79	71118.37
0145	634-1200		EA	RIGHT OF WAY MARKERS	307.000	102.59	31496.90
0149	641-1100		LF	GUARDRAIL, TP T	216.000	51.03	11022.83
0150	641-1200		LF	GUARDRAIL, TP W	3060.000	17.94	54925.78
0155	641-5001		EA	GUARDRAIL ANCHORAGE, TP 1	11.000	939.46	10334.17
0160	641-5012		EA	GUARDRAIL ANCHORAGE, TP 12	16.000	2012.07	32193.20
0165	668-1100		EA	CATCH BASIN, GP 1	246.000	2351.49	578468.51
0166	668-1200		EA	CATCH BASIN, GP 2	46.000	2956.53	136000.53

JOB ESTIMATE REPORT

0170	668-2100	EA	DROP INLET, GP 1	59.000	1921.97	113396.24
0171	668-2210	LF	DROP INLET, GP 2, ADDL DEPTH	16.000	274.85	4397.74
0175	668-5000	EA	JUNCTION BOX	4.000	1913.28	7653.13
0180	668-4300	EA	STORM SEW MANHOLE, TP 1	8.000	1939.64	15517.12
0181	668-4311	LF	ST SEW MANHOLE,TP 1,A DEP,CL 1	19.000	225.21	4279.04
0185	550-1180	LF	STM DR PIPE 18",H 1-10	11278.000	35.64	402040.96
0190	550-1240	LF	STM DR PIPE 24",H 1-10	2165.000	45.47	98446.97
0195	550-1360	LF	STM DR PIPE 36",H 1-10	127.000	78.33	9948.69
0200	550-1480	LF	STM DR PIPE 48",H 1-10	514.000	105.25	54100.18
0205	550-4218	EA	FLARED END SECT 18 IN, ST DR	6.000	550.99	3305.98
0210	550-4224	EA	FLARED END SECT 24 IN, ST DR	5.000	646.44	3232.25
0211	550-4230	EA	FLARED END SECT 30 IN, ST DR	1.000	784.92	784.92
0215	441-0304	EA	CONC SPILLWAY, TP 4	1.000	1586.13	1586.13
0220	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24"	198.000	49.19	9741.46
0225	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24"	1.000	52.11	52.12
0230	603-7000	SY	PLASTIC FILTER FABRIC	199.000	4.02	800.37
0235	163-0232	AC	TEMPORARY GRASSING	13.000	197.23	2564.05
0240	163-0240	TN	MULCH	766.000	163.79	125469.38
0245	163-0300	EA	CONSTRUCTION EXIT	11.000	1288.45	14172.96
0250	163-0503	EA	CONSTR AND REMOVE SILT CONTROL GATE,TP 3	29.000	392.46	11381.41
0255	163-0520	LF	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	1200.000	14.24	17093.62
0259	231-1250	EA	MISC CONSTR, UNPAVED RDS, STS AND DRWAYS	1.000	240.30	240.30
0260	163-0527	EA	CNST/REM RIP RAP CKDM,STN P RIPRAP/SN BG	116.000	272.57	31618.17
0261	318-3000	TN	AGGR SURF CRS	287.000	22.54	6471.30
0262	550-2180	LF	SIDE DR PIPE 18",H 1-10	105.000	31.22	3278.29
0263	573-2006	LF	UNDDR PIPE INCL DRAIN AGGR 6"	442.000	15.58	6889.41
0264	603-2182	SY	STN DUMPED RIP RAP, TP 3, 24"	264.000	35.53	9381.01
0265	163-0541	EA	CONSTR & REM ROCK FILTER DAMS	12.000	629.43	7553.16
0266	668-2105	EA	DROP INLET, GP 1, SPCL DES	7.000	2752.54	19267.78
0267	643-1152	LF	CH LK FEN,ZC COAT, 6', 9 GA	1728.000	18.19	31442.88
0268	643-8010	EA	GATE, CHAIN LINK ZC COAT - CSSTP-0007-00-(844)	3.000	637.90	1913.70
0270	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	19.000	135.84	2581.12
0271	700-9300	SY	SOD	6223.000	5.32	33128.39
0275	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	10635.000	0.35	3779.79
0280	165-0041	LF	MAINT OF CHECK DAMS - ALL TYPES	1080.000	1.77	1921.43
0285	165-0087	EA	MAINT OF SILT CONTROL GATE, TP 3	29.000	67.57	1959.64
0290	165-0101	EA	MAINT OF CONST EXIT	11.000	644.96	7094.65
0295	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	19.000	33.86	643.50
0300	165-0110	EA	MAINT OF ROCK FILTER DAM	12.000	100.54	1206.60
0305	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	18.000	180.18	3243.29
0310	167-1500	MO	WATER QUALITY INSPECTIONS	24.000	384.76	9234.45
0315	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	21270.000	2.82	60134.54
0320	643-8200	LF	BARRIER FENCE (ORANGE), 4 FT	3370.000	1.41	4769.02
0325	716-1000	SY	EROSION CONTROL MATS,WATERWAYS	687.000	1.77	1217.49
0330	716-2000	SY	EROSION CONTROL MATS, SLOPES	11250.000	0.95	10783.91
0331	700-9400	AC	NATIVE REST & RIPARIAN SEEDING	1.000	1059.65	1059.65
0335	441-0204	SY	PLAIN CONC DITCH PAVING, 4 IN	1870.000	34.07	63718.45
0340	700-6910	AC	PERMANENT GRASSING	13.000	837.74	10890.66

JOB ESTIMATE REPORT

0345	700-7000	TN	AGRICULTURAL LIME	26.000	91.30	2374.05
0350	700-8000	TN	FERTILIZER MIXED GRADE	10.000	555.54	5555.45
0355	700-8100	LB	FERTILIZER NITROGEN CONTENT	1305.000	2.33	3050.71
0360	711-0100	SY	TURF REINFORCING MATTING, TP 1	7750.000	66.50	515375.00
0361	009-3000	LS	MISCELLANEOUS CONSTRUCTION GEOTEXTILE LINER	1.000	88798.00	88798.00
0362	009-3000	LS	MISCELLANEOUS CONSTRUCTION ENGINEERING MEDIA	1.000	117568.00	117568.00
0363	009-3000	LS	MISCELLANEOUS CONSTRUCTION GRAVEL	1.000	2089.00	2089.00
0365	647-1000	LS	TRAF SIGNAL INSTALLATION NO - FRANCIS RD/GRASSLAND PKWY	1.000	175000.00	175000.00
0366	647-1000	LS	TRAF SIGNAL INSTALLATION NO - COMMERCE BLVD	1.000	175000.00	175000.00
0367	647-1000	LS	TRAF SIGNAL INSTALLATION NO - HAMBY RD	1.000	175000.00	175000.00
0368	647-1000	LS	TRAF SIGNAL INSTALLATION NO - CAMPGROUND RD/FRANCIS CIR	1.000	175000.00	175000.00
0369	647-1000	LS	TRAF SIGNAL INSTALLATION NO - SR 371/POST RD/MULLINAX RD	1.000	175000.00	175000.00
0371	636-1020	SF	HWY SGN,TP1MAT,REFL SH TP3	180.000	15.42	2777.05
0375	636-1029	SF	HWY SGN,TP2 MATL,REFL SH TP 3	30.000	18.04	541.48
0380	636-1036	SF	HWY SIGNS, TP1 MATL,REFL SH, TP 11	310.000	18.27	5663.70
0381	636-1041	SF	HWY SIGNS,TP 2MAT,REFL SH TP 9	80.000	32.26	2580.80
0385	636-1077	SF	HWY SIGN,ALUM EXT PL,REFL SHT,TP 9	50.000	20.81	1040.50
0390	636-2070	LF	GALV STEEL POSTS, TP 7	780.000	6.99	5456.46
0395	636-2080	LF	GALV STEEL POSTS, TP 8	130.000	9.69	1260.12
0400	636-2090	LF	GALV STEEL POSTS, TP 9	170.000	7.18	1221.02
0405	639-2002	LF	STEEL WIRE STRAND CABLE, 3/8"	110.000	9.26	1019.65
0410	639-3004	EA	STEEL STRAIN POLE, TP IV	2.000	13480.46	26960.93
0411	647-5230	EA	SIGNAL ASS, FLASHING SCHOOL,CO	2.000	7531.75	15063.51
0415	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	134.000	74.33	9960.30
0420	653-0170	EA	THERM PVMT MARK, ARROW, TP 7	8.000	113.03	904.29
0425	653-0210	EA	THERM PVMT MARK, WORD , TP 1	70.000	99.71	6980.03
0430	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	41860.000	0.39	16715.95
0435	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	27680.000	0.39	10904.81
0440	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	710.000	5.60	3978.09
0445	653-1804	LF	THERM SOLID TRAF STRIPE, 8",WH	19940.000	1.95	38979.31
0450	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	30960.000	0.18	5848.34
0451	653-6006	SY	THERM TRAF STRIPING, YELLOW	270.000	3.88	1049.58
0455	653-6004	SY	THERM TRAF STRIPING, WHITE	1590.000	3.65	5806.92
0460	654-1001	EA	RAISED PVMT MARKERS TP 1	120.000	4.44	533.05
0465	654-1003	EA	RAISED PVMT MARKERS TP 3	870.000	3.62	3154.76

ITEM TOTAL 15488268.50
INFLATED ITEM TOTAL 15488268.50

TOTALS FOR JOB 0007844-2

ESTIMATED COST: 15488268.52
CONTINGENCY PERCENT (0.0): 0.00
ESTIMATED TOTAL: 15488268.52

NOTICE OF LOCATION AND DESIGN APPROVAL

Project Number CSSTP-0007-00(844), Forsyth County

P.I. # 0007844

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 November 3, 2016

Project CSSTP-0007-00(844) includes approximately 2.4 miles of widening and reconstruction of SR 9/Atlanta Highway from existing two lanes to four lanes with a 16-foot raised median and urban shoulders consisting of 2.5-foot curb and gutter, 2-foot grassed strip, and 5-foot sidewalk. Project begins north of the intersection with CR 458/McFarland Parkway and ends just past the intersection with SR 371/Post Road/Mullinax Road. The project is located in Forsyth County in Land District 2.

Project CSSTP-0007-00(844) would improve the operations along the roadway by adding additional through lanes along SR 9, as well as adding additional turn lanes at major intersection. Reduction in frequency and/or severity of crashes and pedestrian accommodation should be a secondary benefit of 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 D. Frederick
sfrederick@dot.ga.gov
Georgia Department of Transportation
2594 Gillsville Highway
Gainesville, Georgia 30507
770-531-5880

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
Attn: Anthony Tate
ashelby@dot.ga.gov
600 West Peachtree Street, 25th Floor
Atlanta, Georgia 30308
404-631-1758

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.