

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

**INTEROFFICE CORRESPONDENCE
LOCATION AND DESIGN REPORT**

FILE P.I. No.: 0006439
Project No.: CSSTP-0006-00(439)
County: Gwinnett
Project Description: Two-Legged Continuous
Flow Intersection on SR 10/US 78 at SR 124
& Eastbound Bypass on Henry Clower Blvd

OFFICE Program Delivery
DATE February 17, 2014

FROM 
Genetha Rice-Singleton

TO *Brent Story, 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 would construct a two legged Continuous Flow Intersection (CFI) on SR 10/US 78 or, as referenced in an FHWA Tech Brief in October 2009 (Attachment 13), a Displaced Left Turn Intersection. For the purpose of this report, CFI will be used to describe the proposed improvement since CFI was used during coordination with the public via the Citizen Advisory Committees and the Public Information Open House. The project proposes to construct a 2-legged CFI on SR 10/US 78 at the intersection with SR 124. The CFI would provide dual left turn lanes offset from the through lanes on the east and west legs of SR 10/US 78 so left turn movements could occur simultaneously with the mainline through. Also, a free flow right turn lane will be provided for southbound SR 124 traffic to travel west on SR 10/US 78. Limited access is proposed along the north side of SR 10/US 78 for approximately 1,300 feet west of SR 124 and for approximately 400 feet on the south side of SR 10/US 78 east of SR 124. On SR 124, limited access will be needed for approximately 120 feet on the east side, south of the intersection with SR 10/US 78. The SR 124 northbound left and right turn lanes will be removed and relocated via signage to Henry Clower Boulevard, and SR 124 northbound left and right turns will be prohibited at the intersection with SR 10/US 78. Also, the intersection of SR 10/US 78 with Pate Street will be closed and converted to a cul-de-sac, and the intersection of Rawlins Street and SR 10/ US 78 will be closed utilizing curb and gutter and signage. A concrete median will be added to make access to Rawlins Street from SR 124 right in and right out only. Also, no changes will be made to access onto SR 124 from Lenora Church Road. The CFI medians will utilize concrete and grass, and a 16-foot urban shoulder with sidewalk will be used throughout the project limits. Lastly, the existing pedestrian accessibility will be maintained at the intersection by providing crosswalks and pedestrian signals at the intersection.

Second, the proposed project would make minor improvements to Henry Clower Boulevard to provide an effective eastbound bypass of the SR 10/US 78 and SR 124 intersection. The proposed work on Henry Clower Boulevard will be broken into two segments. Segment One (1) would add dual right turn lanes on SR 10/US 78 for eastbound traffic to utilize Henry Clower Boulevard, and a changeable message sign would be added on SR 10/US 78 to notify eastbound drivers of the travel time savings by taking the bypass. Pedestrian access would be provided via sidewalks along the proposed improvements, and a signalized

pedestrian crossing will be provided approximately 300 feet south of SR 10/US 78 on the bypass. At Henry Clower Boulevard and SR 124, a right turn lane will be added for eastbound traffic to turn south onto SR 124, and a concrete median will be added on Henry Clower Boulevard west of SR 124. Concrete islands will be added at the SR 124 and Henry Clower Boulevard intersection to provide pedestrian refuge. Segment Two (2) located at SR 10/US 78 and Henry Clower Boulevard would add dual right turn lanes on Henry Clower Boulevard to turn east onto SR 10/US 78. Existing pedestrian access will be maintained by modifying crosswalks. A 16-foot urban shoulder with sidewalk will be used throughout the project limits.

Concept Approval Date: March 11, 2011

Concept Update: N/A

Environmental Document:

Document Type: Categorical Exclusion

Approval Date: December 17, 2012

Temporary State Route Needed: No Yes Undetermined

A temporary State Route is needed along Henry Clower Boulevard. The temporary State Route would begin west of SR 124 at the intersection of Henry Clower Boulevard/Knollwood Road and SR 10/US 78 and would end east of SR 124 at the intersection of SR 10/US 78 and Henry Clower Boulevard for an approximate length of 0.85 miles

Public Involvement:

A PIOH meeting was held September 3, 2009 at the Snellville United Methodist Church in Wesley Hall located at 2428 Main Street East, Snellville GA.

From those attending, 21 comment forms, 0 letters and 12 verbal statements were received. An additional 6 comments were received during the ten-day comment period following the public information open house, for a total of 39 comments. They are summarized as follows:

No. Opposed= 0, No. In Support= 27, Uncommitted= 6, Conditional= 5

Note: A total of 39 comments were received; however, one resident commented twice (one comment form and one court reporter) for a total of 38 comments.

MAJOR CONCERNS:

Concerns expressed included maintaining access to business, appropriate signage, and the scope of the proposed improvements is too limited. Some people had trouble finding meeting notifications and accessing the Department website for project information.

OFFICIALS:

Officials attending included the following:

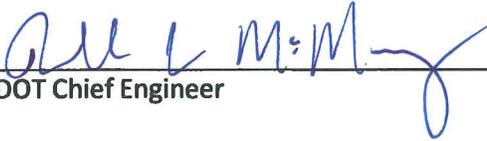
Tod Warner, Snellville City Councilman; Jim Brooks, Evermore CID; Mayor Jerry Oberholtzer, City of Snellville; Cyndee Bonacci, City of Snellville; David Stedman, Evermore CID; John McHenry, Gwinnett Village CID; Barbara Bender, City of Snellville; Melvin Everson, State Congressman (1 06); and Warren Auld, Snellville City Council.

No changes were made to the project as a result of the meeting.

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.

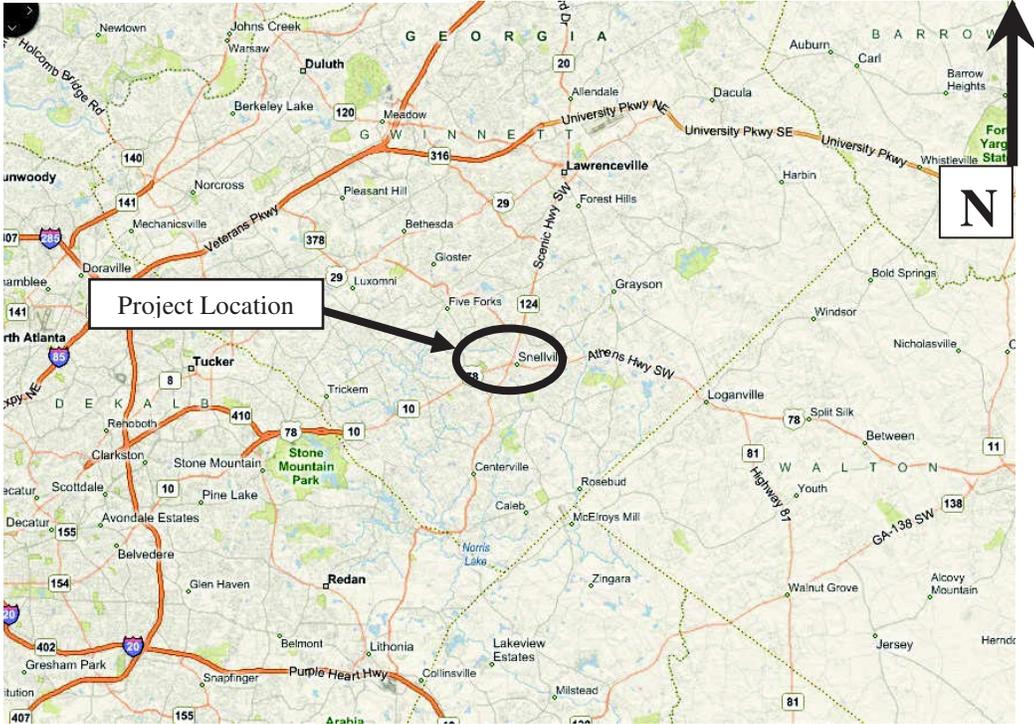
CONCUR: 
GDOT Director of Engineering

APPROVE:  3/3/14
GDOT Chief Engineer Date

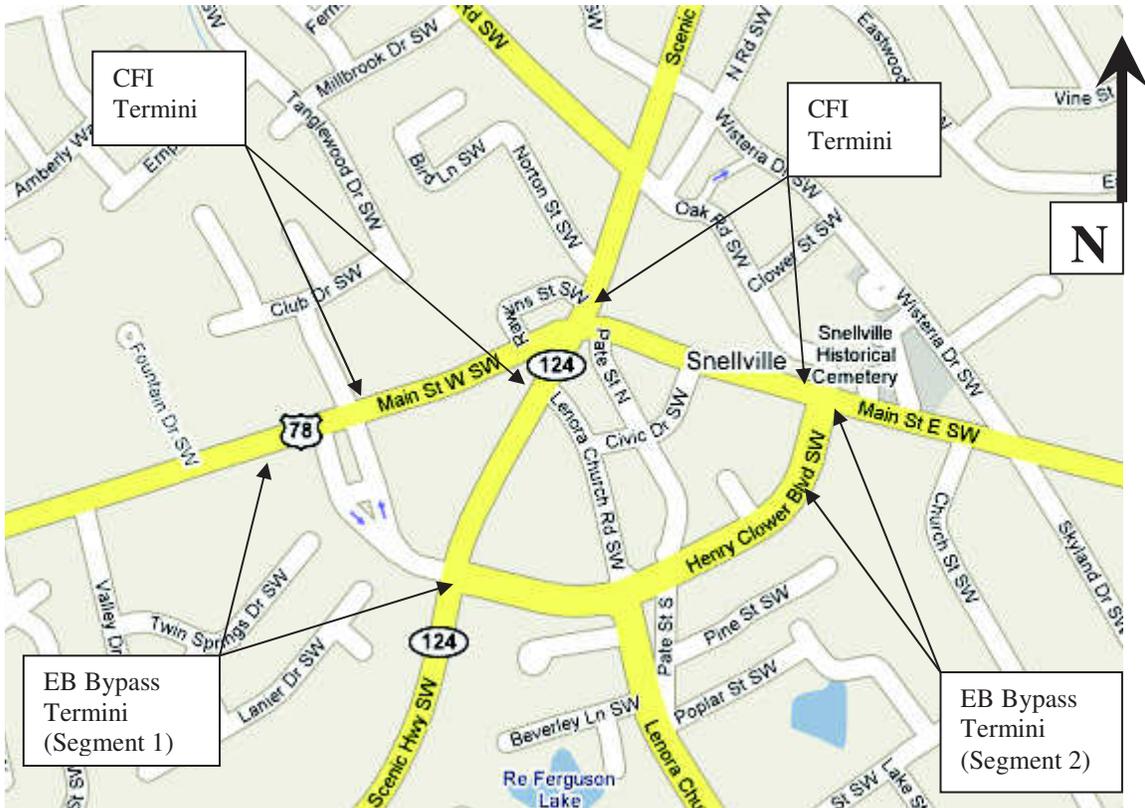
DATE OF LOCATION AND DESIGN APPROVAL: March 4, 2014
(To be entered by State Conceptual Design Group Manager)

Attachments:

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



Overview Map



Project Location Map

STATE HIGHWAY AGENCY

DATE : 2/17/2014

JOB ESTIMATE REPORT

JOB NUMBER : 0006439 SPEC YEAR: 01
 DESCRIPTION: SR 10/US 78 @ SR 124 - CONTINUOUS FLOW INTERSECTION & BYPASS

ITEMS FOR JOB 0006439-TOTAL

LINE	ITEM	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
5	150-1000	LS	TRAFFIC CONTROL - CSSTP-0006-00(439)	1	\$550,000.00	\$550,000.00
10	153-1300	EA	FIELD ENGINEERS OFFICE TP 3	2	\$78,118.02	\$156,236.05
15	210-0100	LS	GRADING COMPLETE - CSSTP-0006-00(439)	1	\$550,000.00	\$550,000.00
20	310-1101	TN	GR AGGR BASE CRS, INCL MATL	17630	\$19.56	\$344,886.35
25	402-3121	TN	RECYL AC 25MM SP,GPI/2,BM&HL	8815	\$62.97	\$536,214.50
30	402-3130	TN	RECYL AC 12.5MM SP,GP2,BM&HL	5215	\$79.10	\$412,537.11
35	402-3190	TN	RECYL AC 19 MM SP,GP 1 OR 2 ,JNC BM&HL	2785	\$72.37	\$201,560.48
40	413-1000	GL	BITUM TACK COAT	1950	\$3.04	\$5,930.18
45	432-0206	SY	MILL ASPH CONC PVMT/ 1.50" DEP	30000	\$1.64	\$49,233.30
50	432-5010	SY	MILL ASPH CONC PVMT,VARB DEPTH	20000	\$2.00	\$40,070.00
55	441-0018	SY	DRIVEWAY CONCRETE, 8 IN TK	2000	\$39.56	\$79,134.16
60	441-0104	SY	CONC SIDEWALK, 4 IN	7000	\$22.64	\$158,501.00
65	441-0740	SY	CONC MEDIAN, 4 IN	1100	\$26.50	\$29,151.49
70	441-0748	SY	CONC MEDIAN, 6 IN	1750	\$36.33	\$63,583.17
75	441-6222	LF	CONC CURB & GUTTER/ 8"X30"TP2	11000	\$9.99	\$109,989.55
80	441-6740	LF	CONC CURB & GUTTER/ 8"X30" TP7	12000	\$10.51	\$126,122.04
85	446-1100	LF	PVMT REF FAB STRIPS, TP2, 18 INCH WIDTH	4000	\$4.25	\$17,023.12
90	500-9999	CY	CL B CONC,BASE OR PVMT WIDEN	135	\$155.79	\$21,032.55
95	621-4023	LF	CONCRETE SIDE BARRIER, TY 2C	100	\$529.90	\$52,990.17
100	634-1200	EA	RIGHT OF WAY MARKERS	65	\$105.06	\$6,829.41

DATE : 2/17/2014

JOB ESTIMATE REPORT

105	550-1180	LF	STM DR PIPE 18", H 1-10	1350	\$35.45	\$47,858.08
110	550-1240	LF	STM DR PIPE 24", H 1-10	6040	\$34.60	\$209,015.17
115	550-3524	EA	SAFETY END SECTION 24", STD, 6:1	2	\$846.68	\$1,693.37
120	611-4001	EA	RECONSTR MINOR DRAINAGE STR	8	\$1,531.11	\$12,248.89
125	611-9000	EA	CAPPING MINOR STRUCTURE	16	\$506.16	\$8,098.57
130	668-1100	EA	CATCH BASIN, GP 1	55	\$2,143.29	\$117,881.20
135	668-2100	EA	DROP INLET, GP 1	14	\$1,645.57	\$23,038.03
140	163-0232	AC	TEMPORARY GRASSING	5	\$500.28	\$2,501.44
145	163-0240	TN	MULCH	60	\$229.49	\$13,769.66
150	163-0503	EA	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	8	\$367.23	\$2,937.86
155	163-0528	LF	CONSTR AND REM FAB CK DAM -TP C SLT FN	400	\$3.72	\$1,488.27
160	163-0550	EA	CONS & REM INLET SEDIMENT TRAP	167	\$116.31	\$19,423.88
165	165-0010	LF	MAINT OF TEMP SILT FENCE, TP A	3000	\$0.47	\$1,431.51
170	165-0030	LF	MAINT OF TEMP SILT FENCE, TP C	5000	\$0.58	\$2,910.25
175	165-0087	EA	MAINT OF SILT CONTROL GATE, TP 3	8	\$61.50	\$492.01
180	165-0105	EA	MAINT OF INLET SEDIMENT TRAP	85	\$36.26	\$3,082.32
185	167-1000	EA	WATER QUALITY MONITORING AND SAMPLING	2	\$209.39	\$418.79
190	167-1500	MO	WATER QUALITY INSPECTIONS	12	\$379.81	\$4,557.83
195	171-0010	LF	TEMPORARY SILT FENCE, TYPE A	6000	\$1.45	\$8,719.50
200	171-0030	LF	TEMPORARY SILT FENCE, TYPE C	10000	\$2.45	\$24,550.10
205	603-2024	SY	STN DUMPED RIP RAP, TP 1, 24"	20	\$60.33	\$1,206.66
210	700-6910	AC	PERMANENT GRASSING	3	\$1,154.98	\$3,464.94
215	700-9300	SY	SOD	18500	\$3.97	\$73,523.44
220	716-2000	SY	EROSION CONTROL MATS, SLOPES	2400	\$0.96	\$2,305.61
225	636-1020	SF	HWY SGN, TP1MAT, REFL SH TP3	180	\$13.73	\$2,471.97
230	636-1033	SF	HWY SIGNS, TP1MAT, REFL SH TP 9	180	\$17.14	\$3,086.43
235	636-2080	LF	GALV STEEL POSTS, TP 8	600	\$7.68	\$4,612.42
240	636-2090	LF	GALV STEEL POSTS, TP 9	300	\$5.55	\$1,666.55
245	653-0110	EA	THERM PVMT MARK, ARROW, TP 1	9	\$82.75	\$744.76
250	653-0120	EA	THERM PVMT MARK, ARROW, TP 2	74	\$75.39	\$5,579.26

DATE : 2/17/2014

JOB ESTIMATE REPORT

255	653-0130	EA	THERM PVMT MARK, ARROW, TP 3	4	\$91.14	\$364.57
260	653-0210	EA	THERM PVMT MARK, WORD, TP 1	55	\$104.10	\$5,725.91
265	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	27000	\$0.34	\$9,441.63
270	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	20000	\$0.34	\$6,904.00
275	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	1150	\$4.83	\$5,556.56
280	653-1804	LF	THERM SOLID TRAF STRIPE, 8", WH	6000	\$2.05	\$12,357.30
285	653-3501	GLF	THERMO SKIP TRAF ST, 5 IN, WHI	19000	\$0.22	\$4,218.00
290	653-3502	GLF	THERMO SKIP TRAF ST, 5 IN, YEL	750	\$0.28	\$213.70
295	653-6004	SY	THERM TRAF STRIPING, WHITE	1500	\$3.40	\$5,104.82
300	653-6006	SY	THERM TRAF STRIPING, YELLOW	350	\$3.50	\$1,227.08
305	631-0001	EA	PERM CHGABLE MSG SIGN,P/3L/TP1	1	\$150,000.00	\$150,000.00
310	631-0001	EA	PERM CHGABLE MSG SIGN,P/3L/TP1 OVERHEAD SIGNS	1	\$18,750.00	\$18,750.00
315	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 1 - US 78/SR 10 AT SR 124	1	\$100,000.00	\$100,000.00
320	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 2 - CFI	1	\$75,000.00	\$75,000.00
325	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 3 - CFI	1	\$50,000.00	\$50,000.00
330	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 4 - BYPASS	1	\$25,000.00	\$25,000.00
335	647-1000	LS	TRAF SIGNAL INSTALLATION NO - 5 - BYPASS	1	\$60,000.00	\$60,000.00
340	205-0001	CY	UNCLASS EXCAV - POND A	1948	\$14.81	\$28,865.78
345	205-0001	CY	UNCLASS EXCAV - POND B	5262	\$11.51	\$60,571.30
350	205-0001	CY	UNCLASS EXCAV - POND C	1568	\$15.65	\$24,552.25
355	627-1000	SF	MSE WALL FACE, 0 - 10 FT, WALL 1	2100	\$43.59	\$91,544.23
360	627-1000	SF	MSE WALL FACE, 10 - 20 FT, WALL 1	17350	\$45.80	\$794,719.53
365	668-1100	EA	CATCH BASIN, SPCL	4	\$3,000.00	\$12,000.00
370	550-1180	LF	STM DR PIPE 18",H 1-10	350	\$39.62	\$13,870.16

ITEM TOTAL						\$5,671,790.19
INFLATED ITEM TOTAL						\$5,671,790.19

TOTALS FOR JOB 0006439
DATE : 2/17/2014

JOB ESTIMATE REPORT

ESTIMATED COST:	\$5,671,790.19
CONTINGENCY PERCENT (5.0):	\$283,589.51
ESTIMATED TOTAL:	\$5,955,379.70

PROJ. NO.	CSSFT-0006-00(439)
P.I. NO.	0006439
DATE	2/17/2014

CALL NO.

BITUMINOUS TACK COAT (surface treatment)

Price Adjustment (PA) 14148.06244 \$ 14,148.06
 Monthly Asphalt Cement Price month placed (APM) \$ 878.40
 Monthly Asphalt Cement Price month project let (APL) \$ 549.00
 Total Monthly Tonnage of asphalt cement (TMT) 42.95100922

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	50000	0.20	10000	232.8234	42.95100922
Double Surf. Trmt.		0.44	0	232.8234	0
Triple Surf. Trmt		0.71	0	232.8234	0
					42.95100922

TOTAL LIQUID AC ADJUSTMENT **\$ 293,849.98**

NOTICE OF LOCATION AND DESIGN APPROVAL

CSSTP-0006-00(439) Gwinnett County

P.I. No.: 0006439

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: March 4, 2014

The proposed project will consist of constructing a two legged Continuous Flow Intersection (CFI) on SR 10/US 78 at the intersection with SR 124. The proposed project will also include minor improvements to Henry Clower Boulevard to provide an effective eastbound bypass around the SR 10/US 78 and SR 124 intersection. This will include the addition of a dedicated southbound right turn lane on Henry Clower Boulevard at the SR 124 intersection, and the addition of a second eastbound right turn lanes on Henry Clower Boulevard at the SR 10/US 78 intersection. The proposed project is located entirely in Gwinnett County within Land District 5. Specifically, the project is located within land lots 7, 26, 27, and 38.

The proposed project will include the construction of dual left turn lanes offset from the through lanes on the east and west legs of SR 10/US 78 so left turn movements could occur simultaneously with the mainline through. A free flow right turn lane will be constructed for southbound SR 124 traffic to travel west on SR 10/US78. Limited access will be provided along the north side of SR 10/US 78 for approximately 1,300 feet west of SR 124 and approximately 400 feet on the south side of SR 10/US 78 east of SR 124. On SR 124, limited access will be provided for approximately 120 feet on the east side, south of the intersection with SR 10/US 78. The SR 124 northbound left and right turn lanes will be removed and relocated via signage to Henry Clower Boulevard, and left and right turns from SR 124 northbound will be prohibited at the intersection with SR 10/US 78. The intersection of SR 10/US 78 with Pate Street will be closed and converted to a cul-de-sac, and the intersection of Rawlins Street and SR 10/ US 78 will be closed utilizing curb and gutter. A concrete median will be added to only allow right in and right out access to Rawlins Street from SR 124. Also, no changes will be made to access onto SR 124 from Lenora Church Road.

The proposed project will construct dual right turn lanes on SR 10/US 78 for eastbound traffic to utilize Henry Clower Boulevard, and a changeable message sign will be added on SR 10/ US 78 to notify eastbound drivers of the travel time savings by taking the bypass. Pedestrian access will be provided via sidewalks along the proposed improvements, and a signalized pedestrian crossing will be added approximately 300 feet south of SR 10/US 78 on Henry Clower Boulevard. At Henry Clower Boulevard and SR 124, a right turn lane will be added for eastbound traffic to turn south onto SR 124, and a concrete median will be added on Henry Clower Boulevard west of SR 124. Concrete islands will be added at the SR 124 and Henry Clower Boulevard intersection to provide pedestrian refuge, and dual right turn lanes will be constructed on Henry Clower Boulevard to turn east onto SR 10/US 78. A 16-foot urban shoulder with sidewalk will be used throughout the project limits.

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

Matt Needham
mneedham@dot.ga.gov
GDOT Area 1 Office
2594 Gillsville Highway
Gainesville, GA 30507
(770) 535-5759

Any interested party may obtain a copy of the drawings, maps or plats, or portions thereof, by paying a nominal fee and providing a written request to:

Genetha Rice-Singleton
GDOT Office of Program Delivery
Attn: *David White*
dwhite@dot.ga.gov
Georgia Department of Transportation
600 West Peachtree Street, 25th Floor Cubicle 2529
Atlanta, GA 30308
(404) 631-1717

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.