

ORIGINAL TO GENERAL FILES

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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

**FILE** P.I. #0007535 **OFFICE** Design Policy & Support  
CHSPP-0007-00(535)  
Gwinnett County  
GDOT District 1 - Gainesville **DATE** July 15, 2014  
Connector Street from Hewatt Rd. to Britt Dr.

**FROM** *Kim Phillips*  
*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:**

Glenn Bowman, 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  
Bobby Hilliard, Program Control Administrator  
Cindy VanDyke, State Transportation Planning Administrator  
Hiral Patel, State Environmental Administrator  
Kathy Zahul, State Traffic Engineer  
Angela Robinson, Financial Management Administrator  
Lisa Myers, State Project Review Engineer  
Paul Tanner, Asst. State Transportation Data Administrator  
Attn: Systems & Classification Branch  
Jeff Fletcher, Location Bureau Chief  
Bayne Smith, District Engineer  
Brent Cook, District Preconstruction Engineer  
Kim Coley, District Planning & Programming Engineer  
Matthew Needham, Area Engineer - D1, A1  
Davida White, Project Manager  
BOARD MEMBER - 7th Congressional District

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTEROFFICE CORRESPONDENCE  
LOCATION AND DESIGN REPORT**

**FILE** P.I. No.: 0007535  
Project No.: CSHPP-0007-00(535)  
County: Gwinnett

**OFFICE** Program Delivery  
**DATE** June 13, 2014

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

**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 lane urban roadway, beginning approximately 430 feet north of the intersection with SR 10 / US 78 and Hewatt Road. The project would proceed east, following the existing funeral home driveway for 0.16 miles, before continuing on the new roadway alignment for 0.16 miles to Parkwood Road. After crossing Parkwood Road, the project continues east on the new roadway alignment for 0.15 miles to Westside Circle and then follows the existing Westside Circle for 0.05 miles. The proposed project then proceeds north on the new alignment and turns east to follow the residential property line along Birchwood Trail before tying into the existing Elmwood Circle and ending at Britt Drive. The proposed length of this project is 0.95 miles. In addition, the existing vertical profile on Parkwood Road will be modified to provide adequate sight distance at the proposed connector street intersection with Parkwood Road. The construction length along Parkwood Road is 1,210 ft. and will require a detour during construction. The typical section for the proposed connector street will include 11 ft. wide lanes with curb and gutter and a 5 ft. wide sidewalk with a 2 ft. wide grass strip only on the south side of the connector street. The typical section will also include a 10 ft. high visual screening wall that will be located on the north side of the connector street located approximately 125 ft. east of the Hewatt Road intersection to 40 ft. west of the Parkwood Road intersection.

**Concept Approval Date:** June 24, 2010

**Concept Update:** N/A

**Environmental Document:**  
Document Type: EA/FONSI

Approval Date: September 21, 2012

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

**Public Involvement:**

- Combined PIOH with all three Evermore CID projects on March 27, 2008 at Snellville City Hall
  - There were 139 people in attendance with 88 comments total from a total of 51 individuals, the comments were as such: 32 opposed and 7 in support. There were two public officials in attendance: Commissioner Mike Beaudreau, Gwinnett County, District 3 and Mayor Jerry Oberholtzer, City of Snellville. Most comments pertained to the potential impacts to residential property and adverse impacts to the neighborhoods.
  - As a result of input from the PIOH, sidewalk was removed from the residential side of the proposed connector street and replaced with a smaller shoulder width to reduce impacts to the residential side of the project. In addition, Evermore CID offered to landscape the shoulder to provide a screening buffer after the connector street was completed. The connector street from Parkwood Road to Britt Drive was modified to utilize Westside Court to lessen impacts to residential property owners. Also, the connector street was moved to the south so that the existing landscape buffer between the residential properties and commercial development would be left in place. Minor construction impacts are anticipated within the landscape buffer to build the slopes and walls for the connector street. After construction is completed, the buffer will be replanted and the width and length of buffer will be the same. Retaining wall heights were reduced on the residential side of the project by sloping down to the wall from the connector street.
- PIOH December 4, 2008 at Snellville City Hall
  - There were 38 people in attendance with 14 total comments received, the comments were as such: 4 opposed, 4 in support, and 6 uncommitted. There were no public officials in attendance. Comments expressed concern over impacts to residential property to accommodate the project, change in access, project need, speeding, potential noise impacts and landscaping.
  - The comments and input received at the second PIOH did not justify any additional changes to the proposed project.
- Mitigation letter sent to residents March 25, 2011
  - The mitigation letter with questionnaire was mailed to residents immediately adjacent to the proposed connector street project to receive feedback on mitigation options. The questionnaire and comments were used to develop mitigation alternatives. The landscape option chosen was presented at the PIOH.
- PHOH June 30, 2011 at Snellville City Hall
  - A total of 55 people in attendance with 34 comments total, the comments were as such: 23 opposed and 5 in support. There were no public officials in attendance. Comments expressed concern over impacts to residential areas, project is incompatible with adjacent residential land use, project need, speeding, potential noise impacts, and loss of vegetative barrier between residential property and adjacent. A separate area was setup for residents along the corridor to review the mitigation plan. The Rainbow Circle

residents requested a separate meeting to further discuss mitigation options by their properties.

- Meeting with Rainbow Circle Residents July 25, 2011 and October 3, 2011 at Rainbow Circle Subdivision
  - GDOT, Evermore CID, Gwinnett County, and Gresham, Smith, and Partners met with Rainbow Circle residents on two separate occasions to develop the mitigation plan for the project. Seven to nine property owners attended each meeting. At the first meeting on July 25, 2011, residents discussed their desire for a visual screening wall in lieu of landscaping along the proposed connector street. The residents requested a 10 foot high screening wall and that a field survey of proposed impacts be staked on their property. Prior to the meeting, the proposed right-of-way and easement was staked in the field along Rainbow Circle on September 19, 2011. At the second meeting on October 3, 2011, GS&P presented samples of a 10 foot vertical screening wall with color and texture options. The residents were agreeable with the wall and requested the wall location be staked in the field. The field staking of the wall was completed on October 19, 2011.
  
- Mitigation plan signed in April 2012
  - FHWA, GDOT, Gwinnett County and the Evermore CID signed the mitigation plan to provide the 10 foot vertical screening wall along Rainbow Circle and landscape improvements for Birchwood Trail and Elmwood Circle residents.

**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:** Alan Bonn  
GDOT Director of Engineering

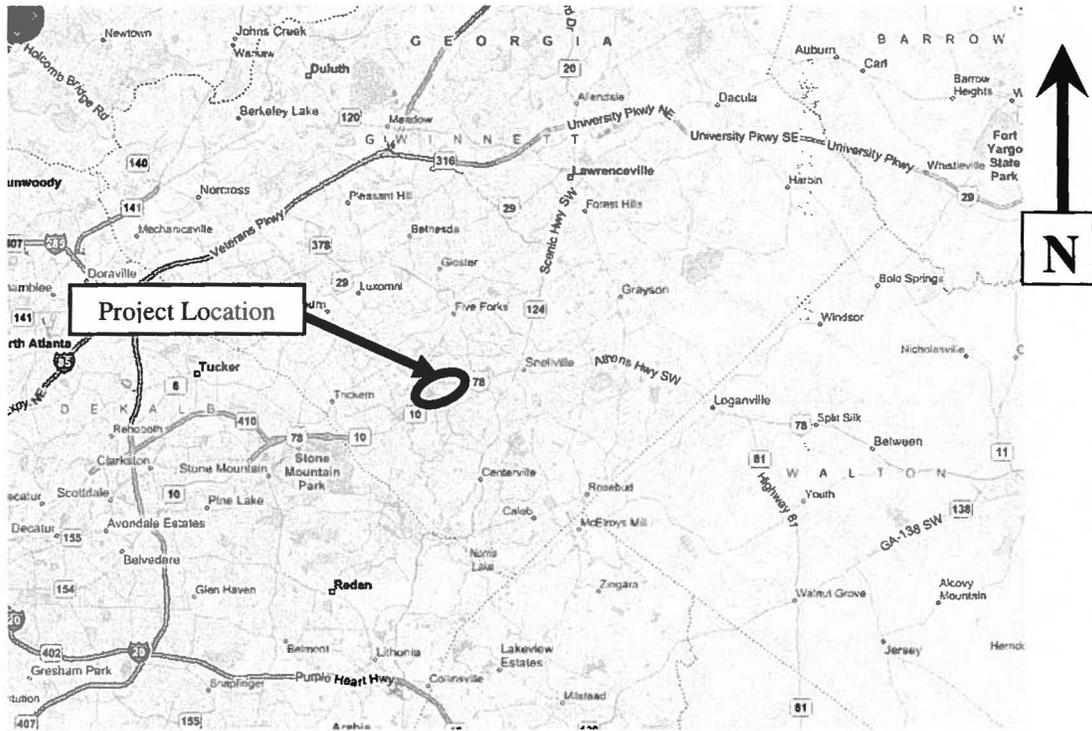
**APPROVE:** Dwight Montgomery AM 7/9/14  
GDOT Chief Engineer Date

**DATE OF LOCATION AND DESIGN APPROVAL:** July 15, 2014  
(To be entered by State Conceptual Design Group Manager)

**Attachments:**

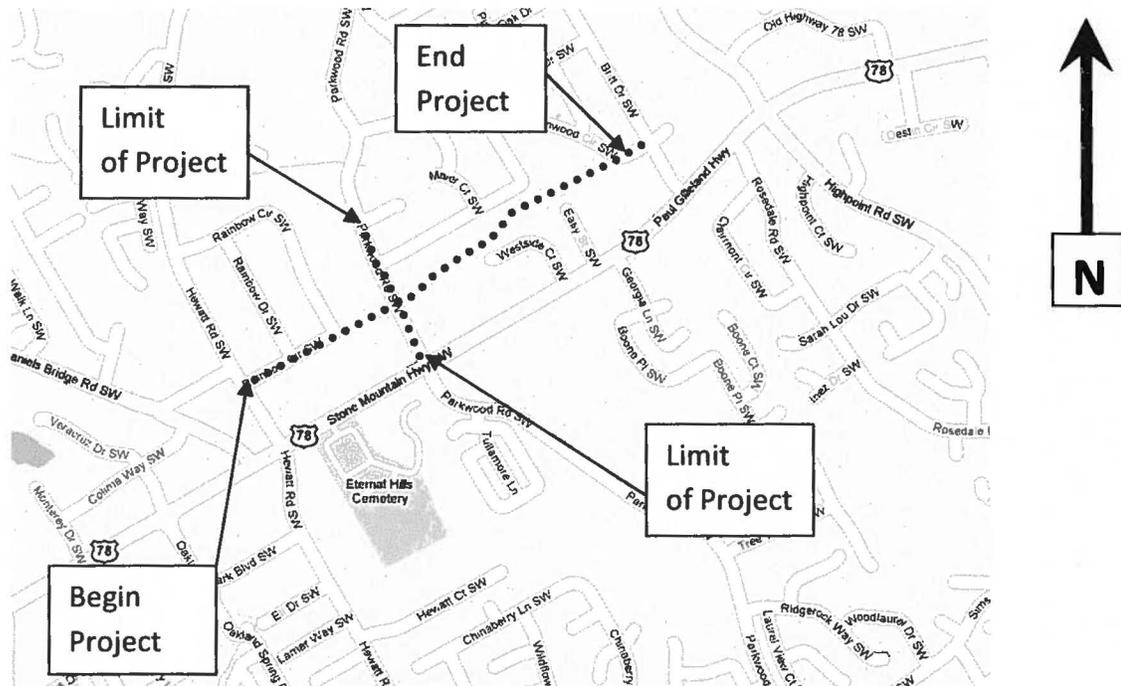
- Sketch, Overview, and Project Location Map
- Construction Cost Estimate
- Notice of Location and Design Approval
- Approved Mitigation Plan

# Sketch Map



*Overview Map*

# Project Location Map



**PROJ. NO.:** CSHPP-0007-00(535)

**P.I. NO.** 0007535

**DATE:** 7/3/2014

<b>Base Construction Cost</b>		\$3,698,891.06
E & I	5% of Base Construction Cost	\$ 184,944.55
<b>Construction Contingency</b>	5% of Base Construction Cost plus E&I	\$ 194,191.78
<b>Subtotal Construction Cost</b>		<u>\$ 4,078,027.39</u>
Liquid AC Adjustment (60 % cap)		\$ 168,861.30
<b>Total Construction Cost</b>		<u>\$ 4,246,888.70</u>

STATE HIGHWAY AGENCY

DATE : 06/19/2014  
PAGE : 1

JOB ESTIMATE REPORT

JOB NUMBER : 0007535A                      SPEC YEAR: 01  
DESCRIPTION: HEWATT TO BRITT CONNECTOR ROAD ALT ALIGNMENT

ITEMS FOR JOB 0007535A

LINE	ITEM	ALT	UNITS	DESCRIPTION	QUANTITY	PRICE	AMOUNT
0005	150-1000		LS	TRAFFIC CONTROL - CSHPP-0007-00(535)	1.000	30000.00	30000.00
0010	210-0100		LS	GRADING COMPLETE - CSHPP-0007-00(535)	1.000	275000.00	275000.00
0015	310-5100		SY	GR AGGR BS CRS 10IN INCL MATL	13500.000	14.82	200076.21
0020	402-1812		TN	RECYL AC LEVELING,INC BM&HL	150.000	77.04	11556.19
0025	400-3101		TN	AC 12.5 MM SP,GP 2,INCL BM,GIL MOD&HLIME	1700.000	75.00	127500.00
0030	402-3121		TN	RECYL AC 25MM SP,GP1/2,BM&HL	4630.000	68.11	315372.96
0035	402-3190		TN	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	2150.000	81.26	174714.42
0040	413-1000		GL	BITUM TACK COAT	1520.000	3.01	4583.82
0044	441-0018		SY	DRIVEWAY CONCRETE, 8 IN TK	310.000	44.97	13942.62
0045	441-0104		SY	CONC SIDEWALK, 4 IN	3950.000	26.51	104747.88
0050	441-6012		LF	CONC CURB & GUTTER/ 6"X24"TP2	14450.000	13.56	196049.80
0054	500-3101		CY	CLASS A CONCRETE	17.000	520.31	8845.36
0055	621-4022		LF	CONCRETE SIDE BARRIER, TY 2B	2786.000	453.82	1264343.97
0075	550-1180		LF	STM DR PIPE 18",H 1-10	5860.000	34.18	200295.97
0080	550-1240		LF	STM DR PIPE 24",H 1-10	750.000	45.25	33937.85
0085	550-1300		LF	STM DR PIPE 30",H 1-10	66.000	61.80	4079.08
0090	550-1480		LF	STM DR PIPE 48",H 1-10	44.000	115.49	5081.80
0095	550-3518		EA	SAFETY END SECTION 18",STD,6:1	1.000	602.92	602.93
0100	550-4218		EA	FLARED END SECT 18 IN, ST DR	2.000	483.39	966.79
0110	550-4224		EA	FLARED END SECT 24 IN, ST DR	1.000	563.25	563.26
0114	550-4230		EA	FLARED END SECT 30 IN, ST DR	1.000	726.87	726.87
0115	668-1100		EA	CATCH BASIN, GP 1	65.000	1946.64	126531.99
0120	668-2100		EA	DROP INLET, GP 1	23.000	1599.32	36784.45
0125	668-4300		EA	STORM SEW MANHOLE, TP 1	3.000	1818.75	5456.26
0130	163-0232		AC	TEMPORARY GRASSING	3.000	49.61	148.85
0135	163-0240		TN	MULCH	105.000	219.14	23009.94
0149	163-0300		EA	CONSTRUCTION EXIT	12.000	1092.12	13105.48
0150	163-0550		EA	CONS & REM INLET SEDIMENT TRAP	104.000	130.89	13612.61
0155	165-0030		LF	MAINT OF TEMP SILT FENCE, TP C	2750.000	0.62	1728.93
0164	165-0101		EA	MAINT OF CONST EXIT	12.000	540.89	6490.69
0165	165-0105		EA	MAINT OF INLET SEDIMENT TRAP	104.000	26.24	2729.45
0170	167-1000		EA	WATER QUALITY MONITORING AND SAMPLING	6.000	304.56	1827.36
0175	167-1500		MO	WATER QUALITY INSPECTIONS	12.000	393.96	4727.53
0180	171-0030		LF	TEMPORARY SILT FENCE, TYPE C	5500.000	2.37	13053.76
0185	603-2024		SY	STN DUMPED RIP RAP, TP 1, 24"	40.000	50.30	2012.15
0190	603-7000		SY	PLASTIC FILTER FABRIC	40.000	3.56	142.46
0195	700-6910		AC	PERMANENT GRASSING	5.000	1050.91	5254.57
0198	700-7000		TN	AGRICULTURAL LIME	10.000	78.96	789.64
0204	700-8000		TN	FERTILIZER MIXED GRADE	4.000	539.77	2159.09
0209	700-8100		LB	FERTILIZER NITROGEN CONTENT	193.000	2.43	469.16
0214	716-2000		SY	EROSION CONTROL MATS, SLOPES	5000.000	0.87	4377.35

## STATE HIGHWAY AGENCY

DATE : 06/19/2014  
PAGE : 2

## JOB ESTIMATE REPORT

0219	636-1033	SF	HWY SIGNS, TP1MAT,REFL SH TP 9	350.000	17.78	6223.28
0223	636-2070	LF	GALV STEEL POSTS, TP 7	400.000	6.93	2772.70
0224	652-0120	EA	PAVEMENT MARKING, ARROW, TP 2	6.000	58.66	352.01
0229	653-1501	LF	THERMO SOLID TRAF ST 5 IN, WHI	13750.000	0.43	6041.34
0234	653-1502	LF	THERMO SOLID TRAF ST, 5 IN YEL	10650.000	0.43	4656.71
0239	653-1704	LF	THERM SOLID TRAF STRIPE,24",WH	300.000	4.61	1385.89
0244	653-1804	LF	THERM SOLID TRAF STRIPE, 8",WH	2300.000	1.96	4521.73
0249	653-6004	SY	THERM TRAF STRIPING, WHITE	65.000	3.34	217.73
0254	654-1001	EA	RAISED PVMT MARKERS TP 1	90.000	3.55	320.17
0269	624-0410	SF	SOUND BARRIER	25000.000	15.00	375000.00
0274	009-3500	LS	MISC LANDSCAPE ITEMS	1.000	60000.00	60000.00
ITEM TOTAL						3698891.05
INFLATED ITEM TOTAL						3698891.06
TOTALS FOR JOB 0007535A						
ESTIMATED COST:						3698891.06
CONTINGENCY PERCENT ( 0.0 ):						0.00
ESTIMATED TOTAL:						3698891.06

PROJ. NO.

CSHPP-0007-00(535)

CALL NO.

P.I. NO.

0007535

DATE

6/19/2014

INDEX (TYPE)

REG. UNLEADED  
DIESEL  
LIQUID AC

DATE	INDEX
Jun-14	\$ 3.665
	\$ 3.916
	\$ 581.00

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>150420.9</b>	\$	<b>150,420.90</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	929.60		
Monthly Asphalt Cement Price month project let (APL)			\$	581.00		
Total Monthly Tonnage of asphalt cement (TMT)				<b>431.5</b>		

ASPHALT	Tons	%AC	AC ton
Leveling	150	5.0%	7.5
12.5 OGFC	0	5.0%	0
12.5 mm SP	1700	5.0%	85
9.5 mm SP	0	5.0%	0
25 mm SP	4630	5.0%	231.5
19 mm SP	2150	5.0%	107.5
	<b>8630</b>		<b>431.5</b>

**BITUMINOUS TACK COAT**

Price Adjustment (PA)				\$	<b>2,275.85</b>	\$	<b>2,275.85</b>
Monthly Asphalt Cement Price month placed (APM)	Max. Cap	60%	\$	929.60			
Monthly Asphalt Cement Price month project let (APL)			\$	581.00			
Total Monthly Tonnage of asphalt cement (TMT)						6.528553401	

Bitum Tack

Gals	gals/ton	tons
1520	232.8234	6.5285534

PROJ. NO.

CSHPP-0007-00(535)

CALL NO.

P.I. NO.

0007535

DATE

6/19/2014

**BITUMINOUS TACK COAT (surface treatment)**

Price Adjustment (PA)					<b>16164.55047</b>	\$	<b>16,164.55</b>
Monthly Asphalt Cement Price month placed (APM)		Max. Cap	60%	\$	929.60		
Monthly Asphalt Cement Price month project let (APL)				\$	581.00		
Total Monthly Tonnage of asphalt cement (TMT)					46.36990955		

Bitum Tack	SY	Gals/SY	Gals	gals/ton	tons
Single Surf. Trmt.	2940	0.20	588	232.8234	2.525519342
Double Surf.Trmt.	23200	0.44	10208	232.8234	43.84439021
Triple Surf. Trmt		0.71	0	232.8234	0
					46.36990955

<b>TOTAL LIQUID AC ADJUSTMENT</b>						\$	<b>168,861.30</b>
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**NOTICE OF LOCATION AND DESIGN APPROVAL**  
**Project No. & County: CSHPP-0007-00(535) Gwinnett County**  
**P.I. No.: 0007535**

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: July 15, 2014

The proposed project would construct a two lane urban roadway, beginning approximately 430 feet north of the intersection with SR 10 / US 78 and Hewatt Road. The project would proceed east, following the existing funeral home driveway for 0.16 miles, before continuing on the new roadway alignment for 0.16 miles to Parkwood Road. After crossing Parkwood Road, the project continues east on the new roadway alignment for 0.15 miles to Westside Circle and then follows the existing Westside Circle for 0.05 miles. The proposed project then proceeds north on the new alignment and turns east to follow the residential property line along Birchwood Trail before tying into the existing Elmwood Circle and ending at Britt Drive. The proposed length of this project is 0.95 miles. In addition, the existing vertical profile on Parkwood Road will be modified to provide adequate sight distance at the proposed connector street intersection with Parkwood Road. The construction length along Parkwood Road is 1,210 ft. and will require a detour during construction. The typical section for the proposed connector street will include 11 ft. wide lanes with curb and gutter and a 5 ft. wide sidewalk with a 2 ft. wide grass strip only on the south side of the connector street. The typical section will also include a 10 ft. high visual screening wall that will be located on the north side of the connector street located approximately 125 ft. east of the Hewatt Road intersection to 40 ft. west of the Parkwood Road intersection. The proposed project is located entirely in Gwinnett County within Land District 6, specifically within land lots 52, 53 and 67.

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:

Albert V. Shelby III  
GDOT Office of Program Delivery  
Attn: *David White*  
[dwhite@dot.ga.gov](mailto: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.

**FEDERAL HIGHWAY ADMINISTRATION  
GEORGIA DEPARTMENT OF TRANSPORTATION  
GWINNETT COUNTY DEPARTMENT OF TRANSPORTATION  
AND  
EVERMORE COMMUNITY IMPROVEMENT DISTRICT  
  
HEWATT TO BRITT CONNECTOR STREET PROJECT  
GWINNETT COUNTY, GEORGIA**

**CSHPP-0007-00(535), GWINNETT COUNTY, PI 007535**

**COMMUNITY MITIGATION PLAN**

**Date: December 6, 2011**

The following actions to mitigate for the impacts of the selected alternative for the Hewatt to Britt Connector Street project have been developed through coordination and consultation by the Federal Highway Administration (FHWA), Georgia Department of Transportation (GDOT), Gwinnett County Department of Transportation (GWDOT), and the Evermore Community Improvement District (CID) with the affected residents of the Rainbow Circle Estates between Hewatt Road and Parkwood Road, and the affected residents between Westside Court and Britt Drive. FHWA, GDOT, GWDOT, and Evermore CID will ensure that the following commitments are implemented:

Visual Screening Wall

1. The project will provide a solid, 10-foot high visual screening wall to be erected along the north side of the connector street between the new road and the eight residential lots between Hewatt Road and Parkwood Road (see attached Figure 1). The wall will be constructed of the Eco-Sound Barrier material presented to the residents. The preference of the residents is for the project to not provide landscaping on the residential side of the wall. The project team will continue to coordinate with the residents along Rainbow Circle until a preferred color and finish for the wall has been selected. Once the project is constructed, the maintenance of the wall will be the responsibility of the Gwinnett County Department of Transportation and the Evermore CID.

Landscaping

1. Landscaping will be provided along the north side of the connector street between Westside Court and Britt Drive (see attached Figure 2). The landscaping will be comprised of moderately dense, evergreen vegetation of mature heights of approximately 30 to 40 feet in order to function as a visual buffer between the residents and the new connector street (see attached Figure 3). This landscape option does not include any type of privacy fence or wall. Once the project is constructed, the maintenance of the landscaping will be the responsibility of the Gwinnett County Department of Transportation and the Evermore CID.

**FEDERAL HIGHWAY ADMINISTRATION**

CONCUR BY: *Katy A. Allen, P.E.* DATE *4/23/2012*  
*for* Rodney N. Barry, P.E. Division Administrator

**GEORGIA DEPARTMENT OF TRANSPORTATION**

CONCUR BY: *Glenn Bowman* DATE *4/17/12*  
Glenn Bowman, P.E., State Environmental Administrator

**GWINNETT COUNTY DEPARTMENT OF TRANSPORTATION**

CONCUR BY: *[Signature]* DATE *4/16/12*  
Kim Conroy, P.E., Director

**EVERMORE COMMUNITY IMPROVEMENT DISTRICT**

CONCUR BY: *Jim Brooks* DATE *4-16-2012*  
Jim Brooks, Executive Director



Figure 1. Visual Screening Wall  
 Proposed Connector Street from Hewatt Road To Brill Drive  
 Gwinnett County  
 GOOT Project (SHP-007-001535) P1\* 0007535





Figure 2 Landscape Area  
 Proposed Connector Street from Hewatt Road To Britt Drive  
 Gwinnett County  
 GDOT Project CSHP-0007-00(535) P1\* 0007535

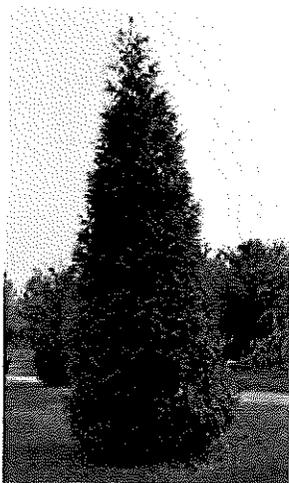
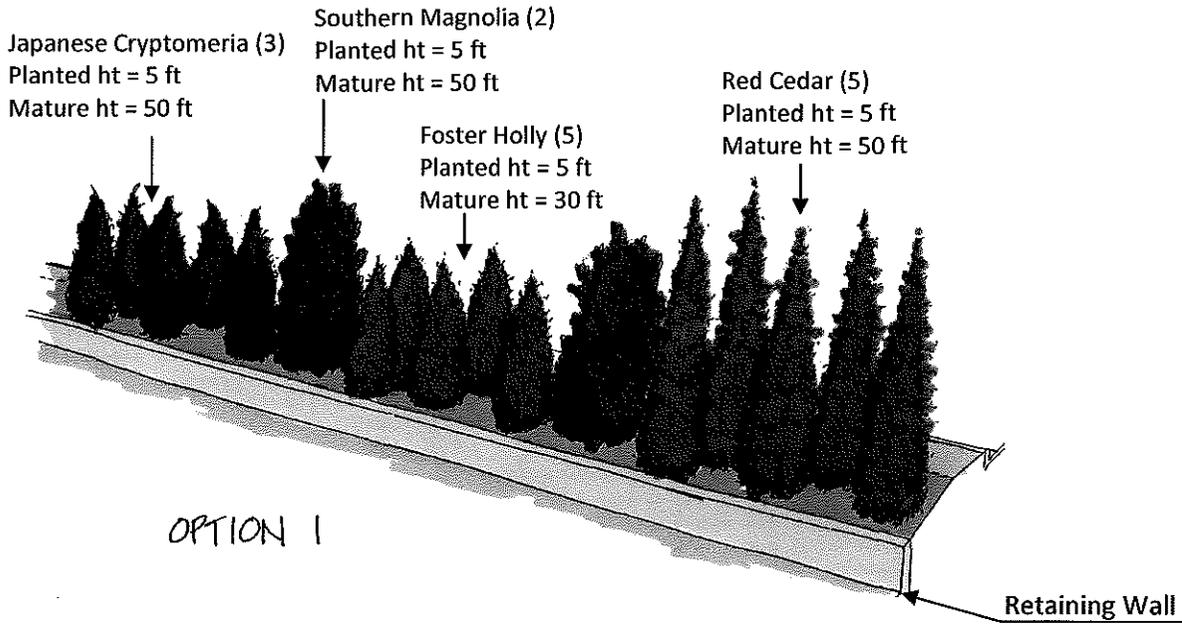




# Figure 3 Landscape Mitigation

for  
Hewatt to Britt Connector Street, PI # 0007535  
Typical 100 Linear Foot Section

G R E S H A M  
S M I T H   A N D  
P A R T N E R S



Green Giant Arborvitae



Southern Magnolia



Foster Holly



Red Cedar



Japanese Cryptomeria