

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 162430-, Hall County **OFFICE** Preconstruction  
STP-2984(1)  
SR 347 Friendship/Thompson Mill Road- **DATE** May 31, 2007  
From I-985 to SR 211

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO** *to* SEE DISTRIBUTION

**SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN**

Attached for your further handling is the approved Location and Design Report for the above subject project

Also attached is the Notice of Location and Design Approval. This is the Authorization for the District to proceed with advertisement

Attachment

DISTRIBUTION:

Brian Summers  
Harvey Keepler  
Ken Thompson  
Michael Henry  
Keith Golden  
Angela Alexander  
Paul Liles  
Babs Abubakari  
Russell McMurry  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

**FILE:** STP-2984(1) Hall Co.  
P.I. No. 162430

**OFFICE:** Atlanta, Georgia  
**DATE:** May 23, 2007

**FROM:** M. Babs Abubakari, P.E. *MBAR*  
State Consultant Design and Program Delivery Engineer

**TO:** Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT:** Request for Location and Design Approval

**Description and Project Proposal:** The proposed project would reconstruct, widen, and relocate SR 347/Friendship/Thompson Mill Road, from I-985 to SR 211. It is located in southern Hall County and entirely within Land District No. 8.

The proposed project would reconstruct, widen, and relocate the existing SR 347 two lane roadway into a six and four lane roadway. The project is approximately 7.9 miles in length, beginning at approximately mile log 4.1 and ending at approximately mile log 12.0.

The proposed typical section for the first 1.7 miles is an urban six lane roadway section divided by a 20-foot raised grass median with 12-foot lanes and 20-foot outside shoulders including 5-foot sidewalks. The remaining 6.2 miles is a rural four lane roadway section divided by a 20-foot raised grass median with 12-foot lanes and 10-foot outside shoulders of which 6.5-feet will be paved. Right turn lanes will be provided at all side roads.

**Concept Approval Date:** May 8, 1997

**Concept Update:** Revised – November 8, 1999

**Environmental Assessment and Reassessment Approval Date:** FONSI April 18, 2007

**Public Involvement**

**Public Hearing**

A Public Hearing Open House (PHOH) was held for the proposed project on January 31, 2006 from 4:00 p.m. to 7:00 p.m. at the Friendship Elementary School in Buford, Georgia. Notification of the meeting was provided by a legal advertisement in the local newspaper. Attendees were provided with

a project location map, a project description, a summary of the environmental study, and an explanation about right-of-way acquisition. Comment cards were provided, and a court reporter was available to record verbal comments. Approximately 773 people were in attendance, and a total of 260 comments were received from 221 commenting. Of those commenting, 45 were in support of the project, 23 opposed the project, 109 were conditional about the project, and 44 were uncommitted about the project.

Major concerns expressed during this PHOH included:

*1) Requests for median breaks for Clearwater Plantation Subdivision, Heritage Crossing Drive, Woody Springs Drive, and Friendship Farms Subdivision.*

The concept layout presented at the PHOH showed the minimum number of median openings. The potential for median openings and signalization will be evaluated based upon the feedback from the PHOH, the growth in the project area, and the potential for design refinements. A proposal to cul-de-sac the existing Friendship Road alignment would allow adequate spacing for a median opening at the entrance to Clearwater Plantation Subdivision. The current concept does not call for a median opening at either Heritage Crossing Drive or at Woody Springs Drive due to the close proximity of the proposed median opening at Williams Road. A median opening is currently proposed at the entrance to the Friendship Farms Subdivision.

*2) Requests for signalization at subdivision entrances.*

The signalization warrants will be evaluated at intersections along the project corridor as the design process continues.

*3) Requests for sidewalks and bicycle lanes for the entire length of the project.*

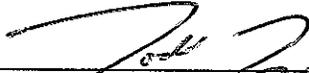
Including sidewalks and bicycle lanes for the entire length of the project is being evaluated.

All of the concerns raised during the public comment period were either answered at the PHOH or sent to the appropriate office for further attention. Subsequent to the comment period, all written comments were addressed with a letter response.

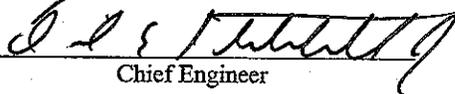
**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Revised Concept Report.

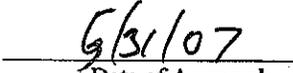
**Recommendations:** It is recommended that the location and design for the above mentioned project be approved and that the attached notice be approved for advertising.

RECOMMEND:

  
Director of Preconstruction

APPROVE:

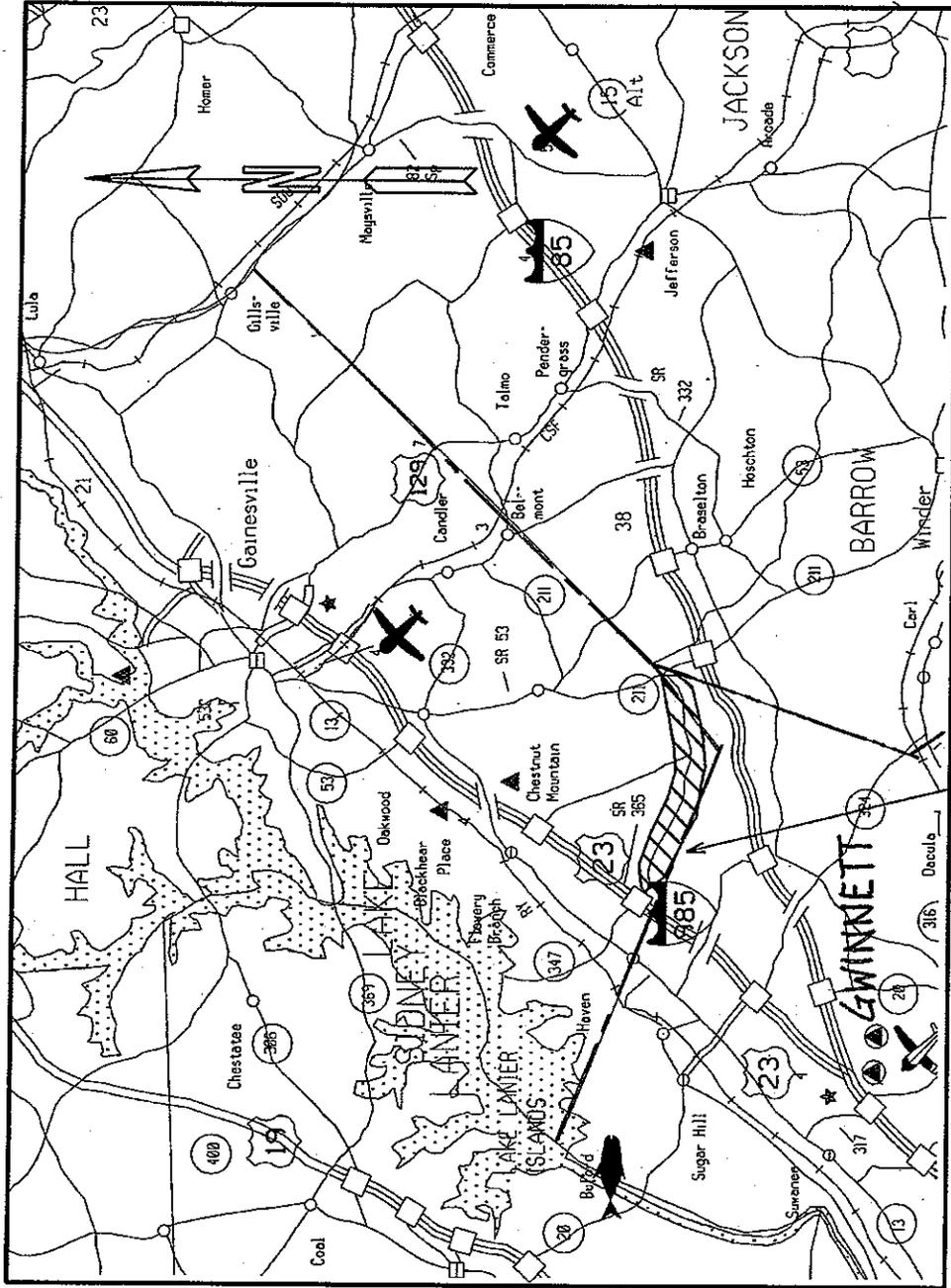
  
Chief Engineer

  
Date of Approval

Attachments:

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

# PROJECT LOCATION MAP



PROJECT STP-2984(1)

**Estimate Report for file "162430\_2007-05-15"**

<b>Section ROADWAY</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
150-1000	1	LS	4000000.00	TRAFFIC CONTROL -	4000000.00
153-1300	1	EA	78357.60	FIELD ENGINEERS OFFICE TP 3	78357.60
201-1500	1	LS	680000.00	CLEARING & GRUBBING -	680000.00
205-0001	1193052	CY	5.26	UNCLASS EXCAV	6275453.52
310-1101	111298	TN	18.23	GR AGGR BASE CRS, INCL MATL	2028962.54
402-3112	27824	TN	75.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2086800.00
402-3121	55649	TN	75.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	4173675.00
402-3129	20868	TN	75.00	RECYCLED ASPH CONC 12.5 MM MIX, GP 2 ONLY, INCL BITUM MATL & H LIME	1565100.00
413-1000	3080	GL	2.08	BITUM TACK COAT	6406.40
441-0104	10167	SY	37.42	CONC SIDEWALK, 4 IN	380449.14
441-0754	74311	SY	50.93	CONCRETE MEDIAN, 7 1/2 IN	3784659.23
441-6222	18300	LF	18.13	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	331779.00
441-6740	83600	LF	15.09	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	1261524.00
500-3101	2185	CY	598.54	CLASS A CONCRETE	1307809.90
511-1000	298740	LB	0.95	BAR REINF STEEL	283803.00
550-1150	1464	LF	39.76	STORM DRAIN PIPE, 15 IN, H 1-10	58208.64
550-1180	16676	LF	43.43	STORM DRAIN PIPE, 18 IN, H 1-10	724238.68
550-1240	4246	LF	54.80	STORM DRAIN PIPE, 24 IN, H 1-10	232680.80
550-1300	1405	LF	73.92	STORM DRAIN PIPE, 30 IN, H 1-10	103857.60
550-1360	1701	LF	86.15	STORM DRAIN PIPE, 36 IN, H 1-10	146541.15
550-1480	202	LF	141.26	STORM DRAIN PIPE, 48 IN, H 1-10	28534.52
550-1600	110	LF	215.37	STORM DRAIN PIPE, 60 IN, H 1-10	23690.70
550-2180	2275	LF	37.15	SIDE DRAIN PIPE, 18 IN, H 1-10	84516.25
550-2240	1541	LF	39.58	SIDE DRAIN PIPE, 24 IN, H 1-10	60992.78
550-2360	107	LF	64.10	SIDE DRAIN PIPE, 36 IN, H 1-10	6858.70
550-3318	5	EA	604.31	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	3021.55
550-3324	5	EA	936.08	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	4680.40
550-3330	2	EA	1620.00	SAFETY END SECTION 30 IN, STORM DRAIN, 4:1 SLOPE	3240.00
550-3336	2	EA	1873.95	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	3747.90
550-3518	82	EA	909.47	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	74576.54
550-3524	42	EA	1116.07	SAFETY END SECTION 24 IN, STORM DRAIN, 6:1 SLOPE	46874.94
550-3536	2	EA	2132.28	SAFETY END SECTION 36 IN, STORM DRAIN, 6:1 SLOPE	4264.56
550-4118	22	EA	439.97	FLARED END SECTION 18 IN, SIDE DRAIN	9679.34
550-4218	3	EA	680.43	FLARED END SECTION 18 IN, STORM DRAIN	2041.29
550-4224	3	EA	835.42	FLARED END SECTION 24 IN, STORM DRAIN	2506.26
550-4230	1	EA	884.43	FLARED END SECTION 30 IN, STORM DRAIN	884.43
550-4236	3	EA	1281.45	FLARED END SECTION 36 IN, STORM DRAIN	3844.35
550-4242	2	EA	1729.65	FLARED END SECTION 42 IN, STORM DRAIN	3459.30
611-8055	5	EA	1488.01	ADJUST MINOR STRUCTURE TO GRADE	7440.05
668-1100	275	EA	2668.28	CATCH BASIN, GP 1	733777.00
668-1110	435	LF	251.11	CATCH BASIN, GP 1, ADDL DEPTH	109232.85
668-1200	8	EA	5606.73	CATCH BASIN, GP 2	44853.84
668-1210	65	LF	357.13	CATCH BASIN, GP 2, ADDL DEPTH	23213.45
668-2100	33	EA	4358.32	DROP INLET, GP 1	143824.56
668-2110	7	LF	327.37	DROP INLET, GP 1, ADDL DEPTH	2291.59
668-2200	1	EA	4637.33	DROP INLET, GP 2	4637.33
668-2210	1	LF	372.43	DROP INLET, GP 2, ADDL DEPTH	372.43
<b>Section Sub Total:</b>					<b>\$30,947,363.11</b>

<b>Section EROSION CONTROL</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
163-0232	12	AC	604.06	TEMPORARY GRASSING	7248.72
163-0240	400	TN	180.48	MULCH	72192.00

163-0300	30	EA	2465.64	CONSTRUCTION EXIT	73969.20
163-0501	3	EA	856.85	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1	2570.55
163-0503	55	EA	556.18	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	30589.90
163-0520	5140	LF	17.18	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	88305.20
163-0530	2570	LF	3.83	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	9843.10
163-0550	298	EA	315.68	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	94072.64
165-0010	43710	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	45895.50
165-0030	12855	LF	1.91	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	24553.05
165-0070	2570	LF	2.25	MAINTENANCE OF BALED STRAW EROSION CHECK	5782.50
165-0085	3	EA	256.48	MAINTENANCE OF SILT CONTROL GATE, TP 1	769.44
165-0087	55	EA	191.35	MAINTENANCE OF SILT CONTROL GATE, TP 3	10524.25
165-0101	30	EA	659.48	MAINTENANCE OF CONSTRUCTION EXIT	19784.40
165-0105	298	EA	113.33	MAINTENANCE OF INLET SEDIMENT TRAP	33772.34
167-1000	2	EA	1352.63	WATER QUALITY MONITORING AND SAMPLING	2705.26
167-1500	48	MO	1051.37	WATER QUALITY INSPECTIONS	50465.76
171-0010	43710	LF	2.10	TEMPORARY SILT FENCE, TYPE A	91791.00
171-0030	12855	LF	4.11	TEMPORARY SILT FENCE, TYPE C	52834.05
441-0204	1400	SY	32.53	PLAIN CONC DITCH PAVING, 4 IN	45542.00
603-2182	2000	SY	62.02	STN DUMPED RIP RAP, TP 3, 24 IN	124040.00
603-7000	2000	SY	4.98	PLASTIC FILTER FABRIC	9960.00
700-6910	120	AC	987.28	PERMANENT GRASSING	118473.60
700-7000	900	TN	61.37	AGRICULTURAL LIME	55233.00
700-7010	300	GL	20.24	LIQUID LIME	6072.00
700-8000	264	TN	350.95	FERTILIZER MIXED GRADE	92650.80
700-8100	6000	LB	2.25	FERTILIZER NITROGEN CONTENT	13500.00
710-9000	2000	SY	3.76	PERMANENT SOIL REINFORCING MAT	7520.00
716-2000	56500	SY	1.27	EROSION CONTROL MATS, SLOPES	71755.00
<b>Section Sub Total:</b>					<b>\$1,262,415.26</b>

**Section TRAFFIC SIGNS & MARKING**

Item Number	Quantity	Units	Unit Price	Item Description	Cost
632-0003	10	EA	17270.55	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	172705.50
636-1020	1000	SF	14.70	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	14700.00
636-1031	2250	SF	19.56	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	44010.00
636-1032	100	SF	38.38	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	3838.00
636-2070	4750	LF	8.25	GALV STEEL POSTS, TP 7	39187.50
636-2080	200	LF	11.12	GALV STEEL POSTS, TP 8	2224.00
636-3010	10	EA	521.73	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	5217.30
639-2002	300	LF	3.28	STEEL WIRE STRAND CABLE, 3/8 IN	984.00
639-3003	20	EA	6543.11	STEEL STRAIN POLE, TP III	130862.20
653-0120	250	EA	70.45	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	17612.50
653-0170	200	EA	78.14	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	15628.00
653-0210	75	EA	115.16	THERMOPLASTIC PVMT MARKING, WORD, TP 1	8637.00
653-1501	150000	LF	0.63	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	94500.00
653-1502	100000	LF	0.63	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	63000.00
653-1704	2250	LF	5.33	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	11992.50
653-1804	17500	LF	1.86	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	32550.00
653-3501	100000	GLF	0.54	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	54000.00

654-1001	500	EA	3.64	RAISED PVMT MARKERS TP 1	1820.00
654-1003	3750	EA	3.69	RAISED PVMT MARKERS TP 3	13837.50
654-1010	100	EA	39.16	RAISED PVMT MARKERS TP 10	3916.00
<b>Section Sub Total:</b>					<b>\$731,222.00</b>

Total Estimated Cost: \$32,941,000.37

*Exc*

*1,647,090.02*

*Grand Total*

*\$34,588,090.39*

# NOTICE OF LOCATION AND DESIGN APPROVAL

## STP-2984(1) Hall County P.I. No. 162430

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of this project.

The date of location approval is May 31, 2007.

This project is the reconstruction, widening, and relocation of SR 347/Friendship/Thompson Mill Road, from I-985 to SR 211. It is located in southern Hall County and entirely within Land District No. 8, Land Lots 153 through 157, Headrights 165, 166, 174 through 181, 183 through 187, and Georgia Military Districts 392 and 1419.

The proposed project would reconstruct, widen, and relocate the existing SR 347 two lane roadway into a six and four lane roadway. The project is approximately 7.9 miles in length, beginning at approximately mile log 4.1 and ending at approximately mile log 12.0.

The proposed typical section for the first 1.7 miles is an urban six lane roadway section divided by a 20-foot raised grass median with 12-foot lanes and 20-foot outside shoulders including 5-foot sidewalks. The remaining 6.2 miles is a rural four lane roadway section divided by a 20-foot raised grass median with 12-foot lanes and 10-foot outside shoulders of which 6.5-feet will be paved. Right turn lanes will be provided at all side roads.

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:

Brandon Kirby  
Brandon.Kirby@dot.state.ga.us  
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:

Babs Abubakari  
Babs.Abubakari@dot.state.ga.us  
Georgia Department of Transportation  
No. 2 Capitol Square, SW  
Room 433  
Atlanta, GA 30342  
(404) 463-6133

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.