

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0001558, Brantley-Glynn Counties **OFFICE** Preconstruction  
NHS-0001-00(558)  
SR 520/US 82 Median Turn Lanes **DATE** March 1, 2007

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

**TO** *GRS* SEE DISTRIBUTION

**SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

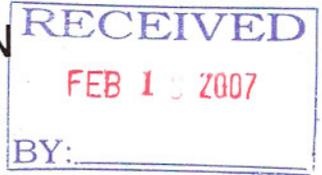
GRS/cj

Attachment

**DISTRIBUTION:**

Brian Summers  
Harvey Keeper  
Ken Thompson  
Jamie Simpson  
Michael Henry  
Keith Golden  
Angela Alexander (file copy)  
Babs Abubakar  
Glenn Durrence  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA



INTERDEPARTMENT CORRESPONDENCE

FILE NHS-0001-00(558) Brantley/Glynn Counties OFFICE Atlanta, Georgia  
SR 520/US 82 Median Turn Lanes from  
Brantley County to West of SR 25  
P. I. No. 0001558 DATE February 13, 2007  
FROM *M. Babs Abubakari*  
Mohammed (Babs) Abubakari, P. E., State Consultant Design Engineer  
TO Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT **Revised Project Concept Report**

Attached is the original copy of the revised Concept Report for your further handling and approval in accordance with the Plan Development Process

The concept is being revised to modify the project description by deleting the median crossover at MP 8.00 from the project. The District 5 Office of Traffic Operations recently granted a permit for a developer to close the crossover and relocate it to MP 8.06. Construction of the new crossover will be the responsibility of the developer.

If you have any questions, please contact Joe Wheeler at (404)657-9759.

*JDW*  
MBA:JDW  
Attachment

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Improvement Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE: 2-20-07

*Genetha J. Alexander*  
State Transportation Planning Administrator

cc: Brian Summers  
Harvey Keeper  
Keith Golden  
Angela Alexander  
Jamie Simpson  
Glenn Durrence

## REVISED PROJECT CONCEPT REPORT

**Need and Purpose:** Accident history for the years of 1995-1998 shows 42% of the accidents are struck object, 22% are rear end, 15% are overturned and 13% are angle intersecting swipe. The proposed improvements would decrease these numbers considerably. The offset left turn lanes will improve sight distance to oncoming traffic. The construction of these turn lanes would allow vehicles to move out of the flow of traffic to decelerate, decreasing rear end and side swipe accidents. To improve the safety and orderly progression of traffic through the corridor and help eliminate angle intersecting, rear end and side swipe accidents, these improvements are recommended.

**Project location:** The project begins approximately 0.14 miles west of the Brantley County Line on SR 520/US 82 and runs east to CR 21/Emanuel Church Road (MP 11.25) in Glynn County. The approximate net project length is 11.41 miles.

**Description of the approved concept:** At various locations on this corridor the existing median cross over will be reconstructed to provide Type "B" Median Crossovers – Offset left turn lanes for SR 520. The existing Type "A" Median Crossovers – Adjacent Left Turn Lanes will be reconstructed as Type "B" Median Crossovers. Right turn lanes will also be constructed and/or extended to meet speed design deceleration distances at various locations. Right turn lanes will only be constructed if they can be done within the existing right of way. The locations as shown in the approved concept are:

CR 580/County Line Road	Median X-Over MP 8.00
Median X-Over MP 1.55	CR 12/Old Brookman Rd & Emanuel Church Rd
Median X-Over MP 2.15	CR 13/West Flanders Drive
Median X-Over MP 3.20	CR 14/Galilee Church Road
SR 99/Grants Ferry Road	CR 966/Stafford Road
Median X-Over MP 5.20	CR 17/Myers Hill Road & Ratliff Road
CR 293/Georgetown Road	CR 21/Emanuel Church Road
CR 11/Massie Causeway Road	

**PDP Classification:** Major \_\_\_\_\_ Minor X

**Federal Oversight:** Full Oversight ( ), Exempt(X), State Funded( ), or Other ( )

**Functional Classification:** Rural Principal Arterial

**U. S. Route Number(s):** 82

**State Route Number(s):** 520

**Traffic (AADT) as shown in the approved concept:**

Current Year: 1998 Design Year: None

MP 1.01 to MP 8.64 – 7,700 VPD

MP 8.64 to MP 11.40 – 8,000 VPD

**Proposed features to be revised:** It is proposed to revise the project description by removing the median crossover at MP 8.00 from the project. The District 5 Office of Traffic Operations recently granted a permit (copy attached) to a developer to close this crossover and relocate it at MP 8.06. The construction of the new crossover will be the responsibility of the developer.

**Describe the revised feature(s) to be approved:** The revised feature to be approved is a change in the project description. The project will be for the reconstruction of the existing median crossovers on SR 520/US 82 to provide Type "B" Median Crossovers. Right turn lanes will also be constructed and/or extended to meet speed design deceleration distances at various locations as long as they can be constructed within the existing right of way. The project limits are from 0.14 miles west of the Brantley County line to 0.16 miles east of CR 21/Emanuel Church Road (MP 11.25). Including tapers, the revised project length is approximately 11.41 miles. The specific locations of the crossovers are:

CR 580/County Line Road  
 Median X-Over MP 1.55  
 Median X-Over MP 2.15  
 Median X-Over MP 3.20  
 SR 99/Grants Ferry Road  
 Median X-Over MP 5.20  
 CR 293/Georgetown Road

CR 11/Massie Causeway Road  
 CR 12/Old Brookman Rd & Emanuel Church Rd  
 CR 13/West Flanders Drive  
 CR 14/Galilee Church Road  
 CR 966/Stafford Road  
 CR 17/Myers Hill Road & Ratliff Road  
 CR 21/Emanuel Church Road

**Updated traffic data (AADT):**

Location	Current Year (2008)	Design Year (2028)
County Line Road to SR 99/Grants Ferry Road	5,650	9,150
SR 99/Grants Ferry Road to Georgetown Road	4,450	7,050
Georgetown Road to Old Brookman Road/Emanuel Church Road	4,625	7,300
Old Brookman Road/Emanuel Church Road to Flanders Drive	5,050	7,950
Flanders Drive to Galilee Church Road	5,025	7,900
Galilee Church Road to Stafford Road	5,175	8,125
Stafford Road to Myers Hill Road/Ratliff Road	5,200	8,175
Myers Hill Road/Ratliff Road to Mister Road	5,575	8,675
Mister Road to Emanuel Church Road	5,625	8,750

**Programmed/Schedule:**

P.E.: 2002

R/W: None

Construction: 2008

**Revised cost estimates:**

- |   |             |
|---|-------------|
| 1. Construction cost including inflation and E&C, | \$7,413,400 |
| 2. Right-of-way, and                              | \$0         |
| 3. Utilities                                      | \$0         |

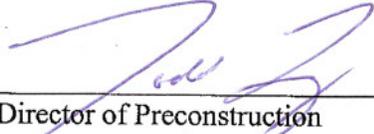
**Is the project located in a Non-attainment area?** Yes                      No X

**Recommendation:** Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Sketch Map
2. Cost Estimate
3. Approval of Median Crossover Request

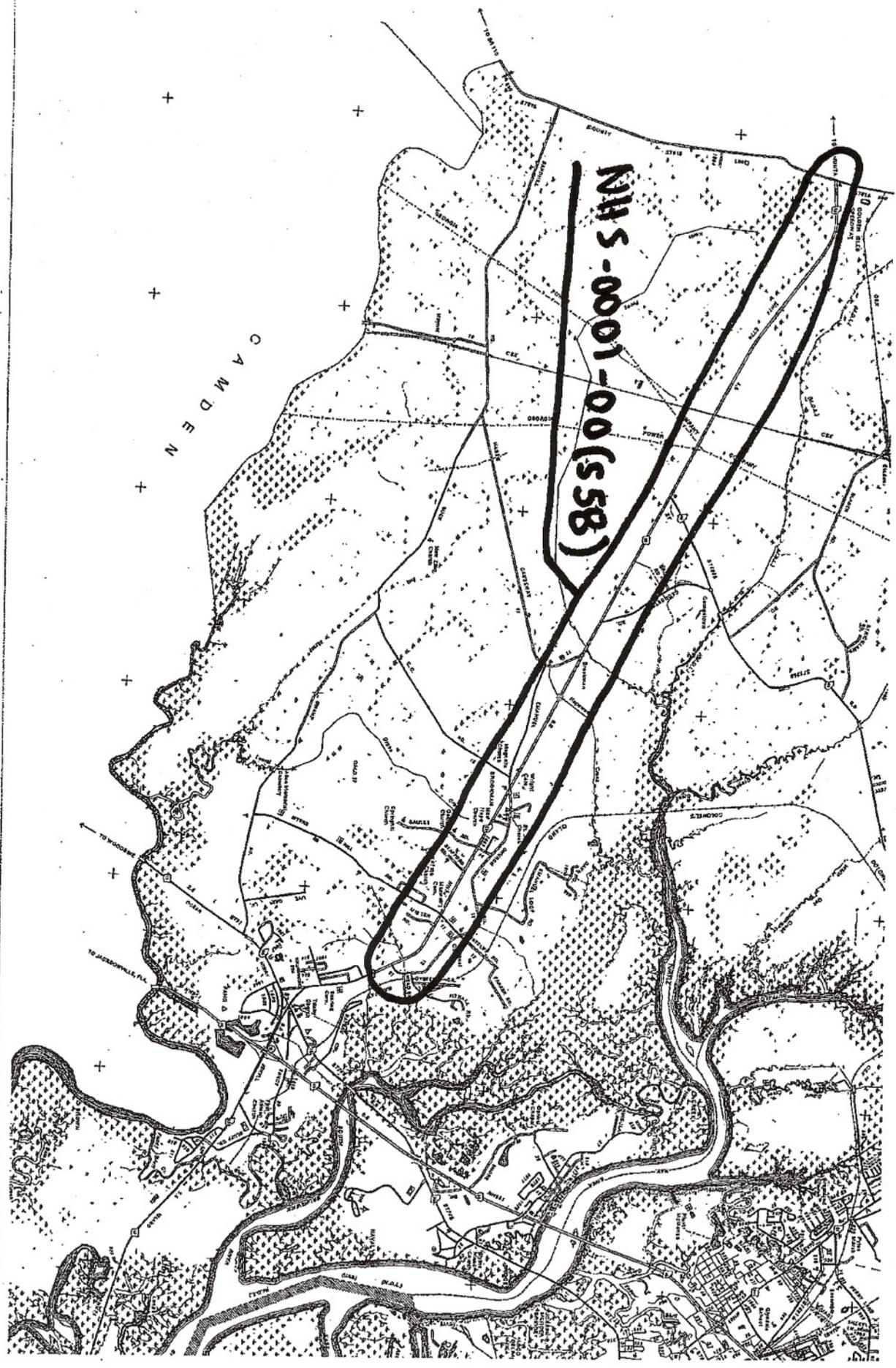
Concur: \_\_\_\_\_

  
Director of Preconstruction

Approve: \_\_\_\_\_

  
Chief Engineer

**NH 5-0001-00 (S 58)**



## Estimate Report for file "NHS-0001-00(558)\_02\_13\_2007"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	180000.00	TRAFFIC CONTROL - NHS-0001-00(558)	180000.00
210-0100	Lump	LS	190000.00	GRADING COMPLETE - NHS-0001-00(558)	190000.00
310-5040	4500	SY	10.00	GR AGGR BASE CRS, 4 INCH, INCL MATL	45000.00
310-5120	74254	SY	19.49	GR AGGR BASE CRS, 12 INCH, INCL MATL	1447210.46
402-1812	1000	TN	78.00	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	78000.00
402-3121	12250	TN	72.00	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	882000.00
402-3130	19546	TN	77.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1505042.00
402-3190	8661	TN	73.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	632253.00
413-1000	26984	GL	1.89	BITUM TACK COAT	50999.76
432-0206	226815	SY	1.34	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	303932.10
446-1002	57950	LF	3.54	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	205143.00
456-2015	2	GLM	757.01	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (SKIP)	1514.02
641-1100	90	LF	53.60	GUARDRAIL, TP T	4824.00
641-1200	905	LF	18.32	GUARDRAIL, TP W	16579.60
641-5006	3	EA	581.83	GUARDRAIL ANCHORAGE, TP 6	1745.49
641-5012	3	EA	1806.67	GUARDRAIL ANCHORAGE, TP 12	5420.01
<b>Section Sub Total:</b>					<b>\$5,549,663.44</b>

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	20	AC	562.04	TEMPORARY GRASSING	11240.80
163-0240	480	TN	172.31	MULCH	82708.80
163-0300	39	EA	2821.82	CONSTRUCTION EXIT	110050.98
163-0530	8600	LF	3.73	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	32078.00
163-0550	34	EA	301.53	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	10252.02
165-0010	250	LF	0.93	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	232.50
165-0030	300	LF	1.84	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	552.00
165-0070	4300	LF	2.36	MAINTENANCE OF BALED STRAW EROSION CHECK	10148.00
165-0101	39	EA	666.44	MAINTENANCE OF CONSTRUCTION EXIT	25991.16
165-0105	34	EA	112.96	MAINTENANCE OF INLET SEDIMENT TRAP	3840.64
167-0100	12	MO	0.00	WATER QUALITY MONITORING	0.00
167-0200	2	EA	0.00	WATER QUALITY SAMPLING	0.00
171-0010	500	LF	1.92	TEMPORARY SILT FENCE, TYPE A	960.00
171-0030	600	LF	3.96	TEMPORARY SILT FENCE, TYPE C	2376.00
700-6910	25	AC	909.95	PERMANENT GRASSING	22748.75
700-7000	60	TN	59.12	AGRICULTURAL LIME	3547.20
700-7010	70	GL	19.30	LIQUID LIME	1351.00
700-8000	20	TN	348.60	FERTILIZER MIXED GRADE	6972.00
700-8100	2700	LB	2.10	FERTILIZER NITROGEN CONTENT	5670.00
716-2000	900	SY	1.33	EROSION CONTROL MATS, SLOPES	1197.00
<b>Section Sub Total:</b>					<b>\$331,916.85</b>

Section SIGNING & MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
636-1020	451	SF	14.80	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	6674.80
636-1031	971	SF	27.70	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	26896.70
636-2070	1923	LF	8.40	GALV STEEL POSTS, TP 7	16153.20
636-2080	252	LF	10.96	GALV STEEL POSTS, TP 8	2761.92
636-2090	439	LF	8.05	GALV STEEL POSTS, TP 9	3533.95

636-3010	20	EA	460.79	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	9215.80
653-0120	133	EA	71.39	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	9494.87
653-0170	44	EA	81.14	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	3570.16
653-1501	64680	LF	0.54	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	34927.20
653-1502	55365	LF	0.56	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	31004.40
653-1704	178	LF	5.02	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	893.56
653-3501	50560	GLF	0.49	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	24774.40
653-3502	800	GLF	0.37	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	296.00
653-6004	22036	SY	2.72	THERMOPLASTIC TRAF STRIPING, WHITE	59937.92
653-6006	533	SY	3.29	THERMOPLASTIC TRAF STRIPING, YELLOW	1753.57
654-1001	58	EA	3.63	RAISED PVMT MARKERS TP 1	210.54
654-1003	989	EA	3.77	RAISED PVMT MARKERS TP 3	3728.53
<b>Section Sub Total:</b>					<b>\$235,827.52</b>

<b>Section DRAINAGE</b>					
<b>Item Number</b>	<b>Quantity</b>	<b>Units</b>	<b>Unit Price</b>	<b>Item Description</b>	<b>Cost</b>
441-0301	1	EA	1895.33	CONC SPILLWAY, TP 1	1895.33
500-3900	3	CY	992.02	CLASS B CONCRETE, INCL REINF STEEL	2976.06
550-1150	3166	LF	42.87	STORM DRAIN PIPE, 15 IN, H 1-10	135726.42
550-1180	3228	LF	40.83	STORM DRAIN PIPE, 18 IN, H 1-10	131799.24
550-1240	48	LF	52.54	STORM DRAIN PIPE, 24 IN, H 1-10	2521.92
550-1300	16	LF	69.41	STORM DRAIN PIPE, 30 IN, H 1-10	1110.56
550-2180	372	LF	35.80	SIDE DRAIN PIPE, 18 IN, H 1-10	13317.60
550-2240	76	LF	38.35	SIDE DRAIN PIPE, 24 IN, H 1-10	2914.60
550-3518	4	EA	937.10	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	3748.40
550-3618	13	EA	753.55	SAFETY END SECTION 18 IN, SIDE DRAIN, 6:1 SLOPE	9796.15
550-3624	4	EA	814.04	SAFETY END SECTION 24 IN, SIDE DRAIN, 6:1 SLOPE	3256.16
550-4215	1	EA	681.18	FLARED END SECTION 15 IN, STORM DRAIN	681.18
550-4218	1	EA	677.92	FLARED END SECTION 18 IN, STORM DRAIN	677.92
550-4224	2	EA	875.33	FLARED END SECTION 24 IN, STORM DRAIN	1750.66
576-1015	16	LF	36.08	SLOPE DRAIN PIPE, 15 IN	577.28
603-2180	50	SY	41.67	STN DUMPED RIP RAP, TP 3, 12 IN	2083.50
603-7000	50	SY	4.95	PLASTIC FILTER FABRIC	247.50
611-3100	7	EA	1375.17	RECONSTR JUNCTION BOX	9626.19
668-1100	1	EA	2317.62	CATCH BASIN, GP 1	2317.62
668-2100	65	EA	4405.96	DROP INLET, GP 1	286387.40
668-5000	4	EA	1849.47	JUNCTION BOX	7397.88
668-8012	29	SF	40.64	SAFETY GRATE, TP 2	1178.56
<b>Section Sub Total:</b>					<b>\$621,988.13</b>

**Total Estimated Cost: \$6,739,395.94**

**Subtotal Construction Cost \$6,739,395.94**

E&C Rate 10.0 % \$673,939.59

Inflation Rate 0.0 % @ 2.0 Years \$0.00

**Total Construction Cost \$7,413,335.53**

Right Of Way \$0.00

ReImb. Utilities \$0.00

*7,413,335.53*

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA****INTERDEPARTMENT CORRESPONDENCE**

**FILE:** **OFFICE:** Traffic Safety & Design  
Atlanta, Georgia  
**DATE:** November 27, 2006

**FROM:** <sup>KG</sup> Keith Golden, P.E., State Traffic Safety & Design Engineer

**TO:** Glen Durance, District Engineer, Jesup  
Attn: Robert McCall & Billy Smith

**SUBJECT: MEDIAN CROSSOVER REQUEST  
S.R. 520/US 82, M.P. 7.60 & 8.06, GLYNN COUNTY  
APPLICANT: HOPEWELL CREEK/LANDMAR GROUP, LLC**

This office has reviewed the furnished correspondence and plans for the requested median breaks on S.R.520 in Glynn County. The existing median break at M.P. 8.0 is to be closed and relocated 310 feet southeast to M.P. 8.06, 3065 feet northwest of the intersection of Old Brookman Road to serve Hopewell Creek Subdivision and retail development. A new median break is to be constructed at M.P. 7.60., 4360 feet southeast of the intersection of Firetower Road to serve future development. These breaks are to be Standard Type B Median Crossovers with associated turn lanes. This approval is contingent upon the continued support of the adjacent property owners as indicated by their signatures.

We recommend that this request, including all related items, be approved with the stipulation that it be constructed at no cost to the Department. The signatures below indicate formal approval. This approval, if not acted on within (12) twelve months of the above date, will be considered null and void.

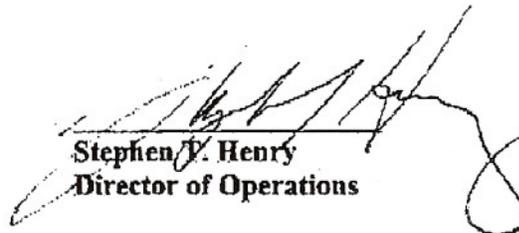
If you should have any questions, please contact Daphne Cautela of this office at 404-635-8042 or Melle Jacobs Barrow at 404-635-8135.

**RECOMMENDED BY:**

**APPROVED BY:**



Keith Golden, P.E.  
State Traffic Safety & Design Engineer



Stephen T. Henry  
Director of Operations

KG:DWC

cc: David Studstill, Chief Engineer  
Stephen T. Henry, Director of Operations