

D.O.T. 66

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

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INTERDEPARTMENT CORRESPONDENCE

**FILE** P. I. No. 0001576, Charlton County **OFFICE** Preconstruction  
STP-0001-00(576)  
SR 4/US 23 Median Turn Lanes **DATE** March 2, 2006

**FROM** *John Kumb*  
Margaret B. Pirkle, P.E., Assistant Director of Preconstruction

**TO** *MBP* SEE DISTRIBUTION

**SUBJECT** APPROVED NOTICE OF LOCATION AND DESIGN

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

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

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers  
Harvey Keeper  
Jamie Simpson  
Paul Liles  
Keith Golden  
Ken Thompson  
Joe Palladi (file copy)  
Babs Abubakari  
Glenn Durrence  
BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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INTERDEPARTMENT CORRESPONDENCE

**FILE** STP-0001-00(576), Charlton County  
SR 4/US 23 Median Turn Lanes from  
Florida State Line to Ware County  
P.I. Number 0001576  
*Mohammed Abubakari*  
**OFFICE** Consultant Design  
**DATE** February 22, 2006

**FROM** Mohammed (Babs) Abubakari, P. E., State Consultant Design Engineer

**TO** Meg Pirkle, P. E., Assistant Director of Preconstruction

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

**Description and Project Proposal:** The proposed project is located on State Route 4/U.S. 23 beginning at the median crossover at MP 0.30 and extending northward through Folkston to the median crossover at MP 19.19 in Charlton County. The proposed improvement will add left and right turn lanes at twelve intersections and twenty seven median crossovers. No signal system upgrades are required to comply with the new turn lanes. The left turn lanes will improve safety along the corridor by constructing Type "B" median crossovers which will improve sight distance and reduce rear end and sideswipe collisions by separating the turning vehicles from the through traffic. In addition, right turn lanes will be added at paved intersections per MOG 6638-1 provided that no additional right of way and/or utility relocations are required by their construction. The approximate net project length is 10.49 miles.

**Concept Approval Date:** September 12, 2000

**Concept Update:** As recommended by District 5 Traffic Operations, it is proposed to close the crossovers at MP 5.80 and MP 6.22 and delete them from the project description. The closing of the crossover at MP 5.80 will allow for the extension of the substandard left turn lane onto CR 66/Bowery Lane. The closing of the crossover at MP 6.22 will allow for the extension of the substandard left turn lane at the crossover at MP 6.20. The revised project description will be to add left and right turn lanes at twelve intersections and twenty five median crossovers. The project will begin at the median crossover at MP 0.30 south of Folkston and extend northward to the median crossover at MP 19.19 just south of the Ware County line. The approximate net project length (based on this revised concept and design revisions from the Preliminary Field Plan Review) is 10.88 miles.

It is noted that approval of the Location and Design report shall also be deemed as approval of the revised concept.

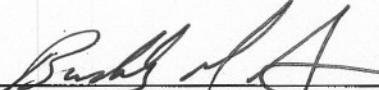
**Environmental Assessment and Reassessment Approval Date:** Categorical Exclusion approved on November 18, 2004.

**Public Involvement:** No Public Hearing or Public Information Meeting has been held.

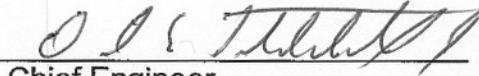
**Consistency with Approved Planning:** The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

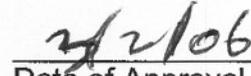
**Recommendations:** We recommend that this project location and design report be approved, and that the attached "Notice" be approved for advertising.

**RECOMMEND:**

  
Director of Preconstruction

**APPROVE:**

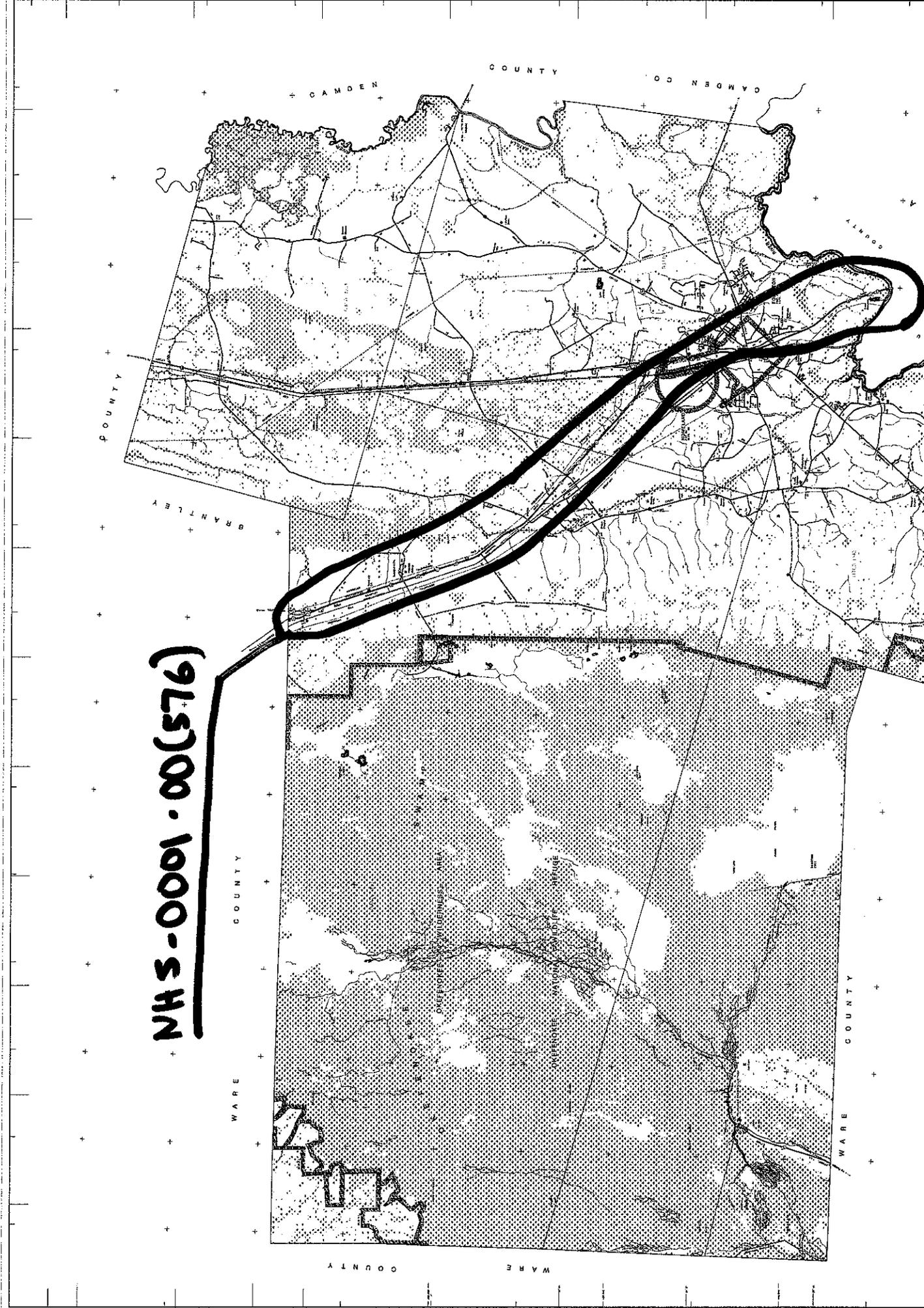
  
Chief Engineer

  
Date of Approval

  
MBA:JDW

Attachments: Location Sketch  
Cost Estimate  
Notice of Location and Design Approval

**NH S-0001-00(576)**



### Estimate Report for file "NHS-0001-00(576)\_2006-02-21"

Section Roadway Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	109585.84	TRAFFIC CONTROL - PROJECT NHS-0001-00 (576)	109585.84
153-1300	1	EA	56437.43	FIELD ENGINEERS OFFICE TP 3	56437.43
207-0203	6	CY	37.17	FOUND BK FILL MATL, TP II	223.02
210-0100	1	LS	532265.28	GRADING COMPLETE - PROJECT NHS-0001-00 (576)	532265.28
310-1101	73421	TN	15.31	GR AGGR BASE CRS, INCL MATL	1124075.51
318-3000	2000	TN	16.66	AGGR SURF CRS	33320.00
402-1812	5000	TN	41.95	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	209750.00
402-3121	35245	TN	42.38	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	1493683.10
402-3130	9114	TN	41.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	373674.00
402-3190	12102	TN	44.47	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	538175.94
413-1000	12954	GL	1.05	BITUM TACK COAT	13601.70
432-5010	3500	SY	1.70	MILL ASPH CONC PVMT, VARIABLE DEPTH	5950.00
441-0104	265	SY	25.44	CONC SIDEWALK, 4 IN	6741.60
441-0204	29252	SY	27.93	PLAIN CONC DITCH PAVING, 4 IN	817008.36
441-0740	245	SY	26.66	CONCRETE MEDIAN, 4 IN	6531.70
441-0748	380	SY	28.30	CONCRETE MEDIAN, 6 IN	10754.00
441-3999	8327	LF	16.74	CONCRETE V GUTTER	139393.98
441-6222	926	LF	12.99	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	12028.74
441-6740	71	LF	11.23	CONC CURB & GUTTER, 8 IN X 30 IN, TP 7	797.33
446-1002	63000	LF	2.64	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	166320.00
500-3101	23	CY	465.58	CLASS A CONCRETE	10708.34
511-1000	1861	LB	0.73	BAR REINF STEEL	1358.53
641-1100	21	LF	31.09	GUARDRAIL, TP T	652.89
641-1200	705	LF	13.69	GUARDRAIL, TP W	9651.45
641-2200	50	LF	15.14	DBL FACED GUARDRAIL, TP W	757.00
641-5001	2	EA	479.73	GUARDRAIL ANCHORAGE, TP 1	959.46
641-5012	2	EA	1553.85	GUARDRAIL ANCHORAGE, TP 12	3107.70
641-6000	2	EA	3273.69	GUARDRAIL ANCHORAGE TP 10D, SPCL DES	6547.38
<b>Section Sub Total:</b>					<b>\$5,684,060.28</b>

Section Drainage Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
550-1150	1725	LF	27.06	STORM DRAIN PIPE, 15 IN, H 1-10	46678.50
550-1180	3270	LF	32.88	STORM DRAIN PIPE, 18 IN, H 1-10	107517.60
550-1240	358	LF	39.78	STORM DRAIN PIPE, 24 IN, H 1-10	14241.24
550-1300	476	LF	49.90	STORM DRAIN PIPE, 30 IN, H 1-10	23752.40
550-3315	1	EA	753.61	SAFETY END SECTION 15 IN, STORM DRAIN, 4:1 SLOPE	753.61
550-3518	3	EA	612.57	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	1837.71
550-4215	4	EA	357.40	FLARED END SECTION 15 IN, STORM DRAIN	1429.60
550-4218	5	EA	482.38	FLARED END SECTION 18 IN, STORM DRAIN	2411.90
610-9099	1	LS	2796.57	REM WINGWALLS & PARAPETS, STA - 829+13	2796.57
611-8040	2	EA	813.09	ADJUST DROP INLET TO GRADE	1626.18
668-1100	2	EA	1801.48	CATCH BASIN, GP 1	3602.96
668-2100	54	EA	2692.89	DROP INLET, GP 1	145416.06
668-4300	19	EA	1839.84	STORM SEWER MANHOLE, TP 1	34956.96
668-4311	1	LF	221.36	STORM SEWER MANHOLE, TP 1, ADDL DEPTH, CL 1	221.36
<b>Section Sub Total:</b>					<b>\$387,242.65</b>

Section Temporary Erosion Control Items					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	15	AC	483.39	TEMPORARY GRASSING	7250.85
163-0240	685	TN	195.38	MULCH	133835.30

163-0300	39	EA	1254.90	CONSTRUCTION EXIT	48941.10
163-0530	9440	LF	2.71	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	25582.40
163-0550	151	EA	246.79	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	37265.29
165-0010	4446	LF	1.07	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	4757.22
165-0030	150	LF	1.18	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	177.00
165-0070	4720	LF	1.48	MAINTENANCE OF BALED STRAW EROSION CHECK	6985.60
165-0101	39	EA	417.31	MAINTENANCE OF CONSTRUCTION EXIT	16275.09
165-0105	151	EA	87.71	MAINTENANCE OF INLET SEDIMENT TRAP	13244.21
167-1000	2	EA	1767.98	WATER QUALITY MONITORING AND SAMPLING	3535.96
167-1500	12	MO	838.87	WATER QUALITY INSPECTIONS	10066.44
171-0010	8892	LF	1.86	TEMPORARY SILT FENCE, TYPE A	16539.12
171-0030	300	LF	3.19	TEMPORARY SILT FENCE, TYPE C	957.00
716-2000	845	SY	1.06	EROSION CONTROL MATS, SLOPES	895.70
<b>Section Sub Total:</b>					<b>\$326,308.28</b>

<b>Section Permanent Erosion Control Items</b>					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2182	130	SY	44.06	STN DUMPED RIP RAP, TP 3, 24 IN	5727.80
603-7000	130	SY	4.03	PLASTIC FILTER FABRIC	523.90
700-6910	30	AC	804.69	PERMANENT GRASSING	24140.70
700-7000	90	TN	59.04	AGRICULTURAL LIME	5313.60
700-7010	75	GL	19.04	LIQUID LIME	1428.00
700-8000	27	TN	266.98	FERTILIZER MIXED GRADE	7208.46
700-8100	1500	LB	1.56	FERTILIZER NITROGEN CONTENT	2340.00
710-9000	170	SY	4.39	PERMANENT SOIL REINFORCING MAT	746.30
<b>Section Sub Total:</b>					<b>\$47,428.76</b>

<b>Section Signing Items</b>					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
632-0003	4	EA	10563.04	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	42252.16
636-1020	887	SF	13.61	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	12072.07
636-1029	185	SF	21.97	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	4064.45
636-1031	1911	SF	16.89	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 6	32276.79
636-1032	40	SF	27.58	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	1103.20
636-2070	4965	LF	7.02	GALV STEEL POSTS, TP 7	34854.30
636-2080	346	LF	9.01	GALV STEEL POSTS, TP 8	3117.46
636-2090	613	LF	6.86	GALV STEEL POSTS, TP 9	4205.18
636-3010	13	EA	371.94	GROUND-MOUNTED BREAKAWAY SIGN SUPPORT	4835.22
<b>Section Sub Total:</b>					<b>\$138,780.83</b>

<b>Section Pavement Marking Items</b>					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
653-0120	226	EA	60.07	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	13575.82
653-0170	193	EA	76.68	THERMOPLASTIC PVMT MARKING, ARROW, TP 7	14799.24
653-1704	900	LF	3.37	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	3033.00
653-2501	24	LM	1069.27	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	25662.48
653-2502	22	LM	1154.58	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	25400.76
653-2804	13	LM	7924.97	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	103024.61
				THERMOPLASTIC SKIP TRAF STRIPE, 5 IN,	

653-4501	24	GLM	663.09	WHITE	15914.16
653-6004	46100	SY	2.54	THERMOPLASTIC TRAF STRIPING, WHITE	117094.00
653-6006	1200	SY	2.71	THERMOPLASTIC TRAF STRIPING, YELLOW	3252.00
654-1001	54	EA	3.51	RAISED PVMT MARKERS TP 1	189.54
654-1003	8711	EA	3.76	RAISED PVMT MARKERS TP 3	32753.36
<b>Section Sub Total:</b>					<b>\$354,698.97</b>

**Total Estimated Cost: \$6,938,519.77**

**Subtotal Construction Cost \$6,938,519.77**

E&C Rate 10.0 % \$693,851.98

Inflation Rate 5.0 % @ 1 Years \$381,618.59

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**Total Construction Cost \$8,013,990.33**

Right Of Way \$0.00

ReImb. Utilities \$0.00

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**Grand Total Project Cost \$8,013,990.33**

# NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT NHS-0001-00(576)  
CHARLTON COUNTY  
P. I. NUMBER 0001576**

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 the above project.

The date of location approval is MARCH 2, 2006

Project number NHS-0001-00(576) will consist of the construction of left and right turn lanes at twelve intersections and twenty five median crossovers on State Route 4/U.S. 23 beginning at the median crossover at MP 0.30 and extending to the median crossover at MP 19.19 in Charlton County. No additional right of way or major utility relocations will be required for this project.

This project lies entirely within Georgia Militia Districts 1193 and 32 in Charlton County.

The project will construct left turn lanes at twelve intersections and twenty five median crossovers on State Route 4/U.S. 23. The left turn lanes will be offset from the through lanes and will allow for improved sight distance and reduce the number of rear end and sideswipe accidents. In addition, right turn lanes will be constructed at the intersections of paved roads provided that no additional right of way and/or utility relocations are required for their construction. The approximate net project length is 10.88 miles.

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:

Cory Knox, Area Engineer  
[Cory.Knox@dot.state.ga.us](mailto:Cory.Knox@dot.state.ga.us)  
Georgia Department of Transportation  
104 North Nichols Street  
Waycross, Georgia 31502  
(912)285-6009

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:

Mohammed (Babs) Abubakari, P. E., State Consultant Design and Program Delivery Engineer  
[Babs.Abubakari@dot.state.ga.us](mailto:Babs.Abubakari@dot.state.ga.us)  
Georgia Department of Transportation  
No. 2 Capitol Square, S.W.  
Atlanta, Georgia 30334  
(770)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.