

ORIGINAL TO GENERAL FILES

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

OFFICE OF DESIGN POLICY & SUPPORT INTERDEPARTMENTAL CORRESPONDENCE

FILE P.I. # 0007421
CSNHS-0007-00(421)
McIntosh County
GDOT District 5 - Jesup
I-95 @ SR 21 Interchange Reconstruction

OFFICE Design Policy & Support

DATE December 21, 2012

FROM  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:

Bobby Hilliard, Program Control Administrator
Genetha Rice-Singleton, State Program Delivery Engineer
Glenn Bowman, State Environmental Administrator
Ben Rabun, State Bridge Engineer
Kathy Zahul, State Traffic Engineer
Phil Copeland, State Right-of-Way Administrator
Lisa Myers, State Project Review Engineer
Cindy VanDyke, State Transportation Planning Administrator
Ken Thompson, Location Bureau Chief
Angela Robinson, Financial Management Administrator
Karon Ivery, District Engineer
Brad Saxon, District Preconstruction Engineer
Maggie Yoder, District Planning & Programming Engineer
Brian Scarbrough, Area Engineer - D5, A3
Matt Bennett, Project Manager
BOARD MEMBER - 1st Congressional District

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: CSNHS-0007-00(421), McIntosh County
P.I. No. 0007421
S.R. 251 at I-95 Interchange Reconstruction

OFFICE: Program Delivery

DATE: December 17, 2012

FROM: Genetha Rice-Singleton, State Program Delivery Engineer **Albert
Shelby**

Digitally signed by Albert Shelby
DN: cn=Albert Shelby, o=Program
Delivery, ou=DOT,
email=ashelby@dot.ga.gov, c=US
Date: 2012.12.18 10:59:02 -0500

TO: Brent A. Story, P.E., State Design Policy Engineer
Attn: Dave Peters, State Conceptual Design Group Manager

SUBJECT: 0007421 - Request for Location and Design Approval

Description and Project Proposal:

Project CSNHS-0007-00(421) will consist of a 2-lane urban section including turn lanes where necessary, including a 16-foot urban shoulder with a 10-foot multi-use path on the south side and a 12-foot urban shoulder with a 5-foot sidewalk on the north side. The existing 2-lane bridge over I-95 will be replaced with a new 4-lane bridge which includes two left turn lanes. The new bridge on S.R. 251 would achieve the required vertical and horizontal clearance for the widening of I-95.

Concept Approval Date:

The original concept report date was May 28, 2004.

Concept Update:

The original concept was revised on April 5, 2007 and July 6, 2011. There are no changes to the current approved Concept.

Environmental Document Type, Approval Date & any Reevaluations:

Categorical Exclusion is dated November 27, 2012.

Public Involvement:

A Public Information Open House was held January 29, 2008.

- A total of 26 people attended
- A total of 9 people commented with 1 in support, 3 opposed, 1 uncommitted, and 4 expressed conditional support
- Officials at this meeting included: 3 county commission members, 1 retired mayor
- The major concerns raised at the above PIOH were:
 1. Median barrier on east side of interchange will not have median break
 2. Owners do not think customers will want to travel east and then make a u-turn to get to their businesses

- No major changes were made as a result of the PIOH, however, after a Right-of-Way Property Owner's meeting was held GDOT officials requested the raised median be minimized on the east and west side of the interstate. GDOT officials also requested the proposed mall access road be deleted and for the existing mall access road be utilized.

Consistency with Approval Planning:

The design description as presented herein and submitted for approval is consistent with the approved Concept Report.

Recommendations:

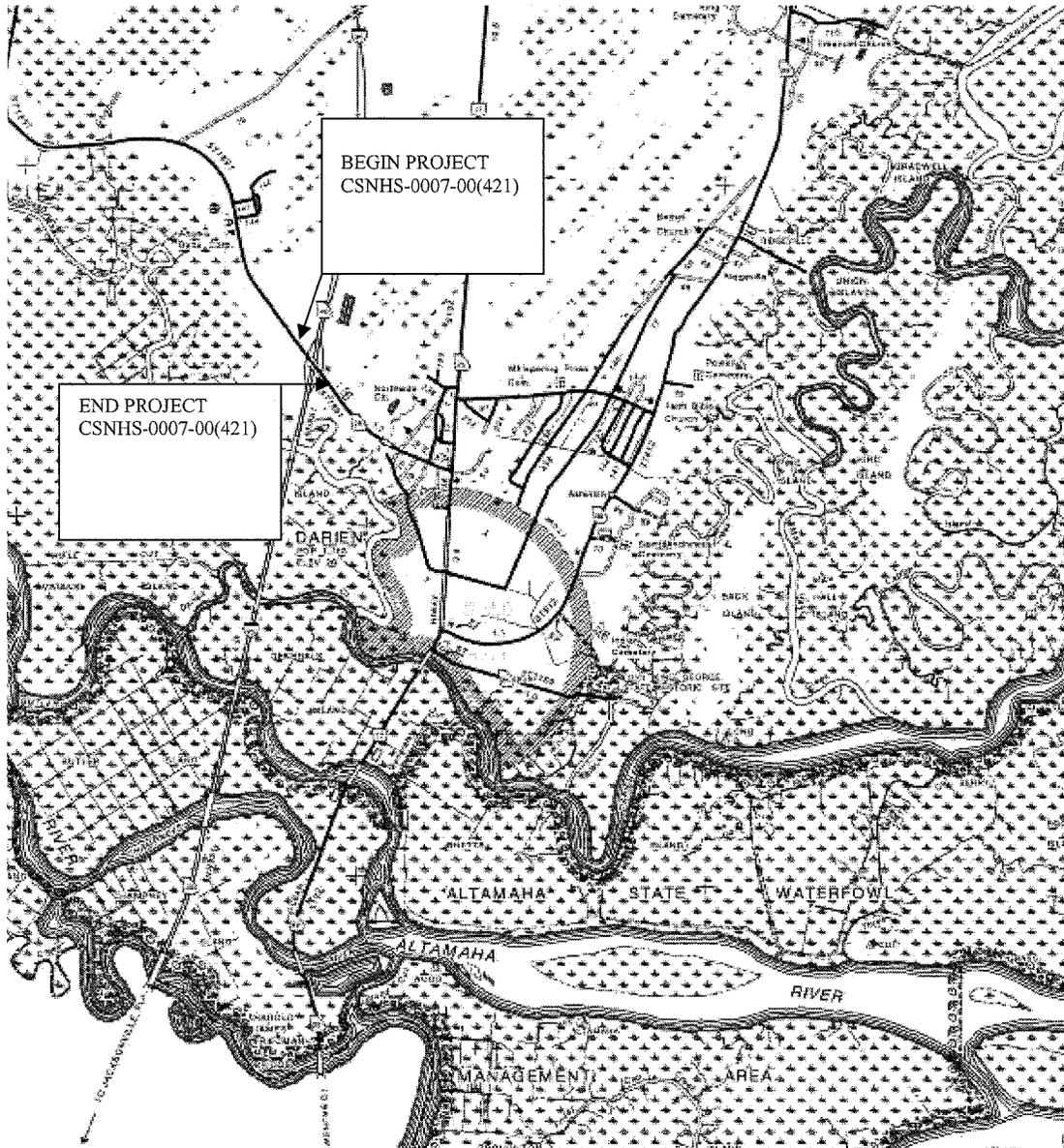
Recommend that the Location and Design for the project be approved and that the attached Notice be approved for advertising.

RECOMMEND: 
Director of Engineering

APPROVE:  12/20/12
Chief Engineer Date

DATE OF LOCATION AND DESIGN
APPROVAL: Dec 21, 2012
(To be entered by State Conceptual
Design Group Manager)

- Attachments:
 - Location Map
 - Cost Estimate
 - Notice of Location and Design Approval



Project Location Map
Project No. CSNHS-0007-00(421)

DETAILED COST ESTIMATE



Job: 0007421

JOB NUMBER 0007421

FED/STATE PROJECT NUMBER CSNHS-0007-00(421)

SPEC YEAR: 01

DESCRIPTION: I-95 @ SR 251/BRIARDAM RD.

ITEMS FOR JOB 0007421

0010 - ROADWAY ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0005	150-1000	1.000	LS	\$1,245,000.00000	TRAFFIC CONTROL - CSNHS-0007-00(421)	\$1,245,000.00
0010	150-5010	8.000	EA	\$9,070.76000	TRAF CTRL,PORTABLE IMPACT ATTN	\$72,566.08
0015	150-9011	200.000	HR	\$58.84913	TR CT-WORKZONE LAW ENF-CTR BIDS	\$11,769.83
0020	153-1300	1.000	EA	\$77,815.22833	FIELD ENGINEERS OFFICE TP 3	\$77,815.23
0025	210-0100	1.000	LS	\$1,470,000.00000	GRADING COMPLETE - CSNHS-0007-00(421)	\$1,470,000.00
0030	310-1101	41120.000	TN	\$14.68405	GR AGGR BASE CRS, INCL MATL	\$603,808.14
0035	318-3000	1400.000	TN	\$15.91248	AGGR SURF CRS	\$22,277.47
0039	400-3402	350.000	TN	\$104.00000	ASPH CONC 19MM SMA, GP2,INCL P-MBM&HL	\$36,400.00
0040	400-3604	350.000	TN	\$104.29149	ASPH CONC 12.5 MM SMA,GP2,INCL P-MBM&HL	\$36,502.02
0045	400-3624	700.000	TN	\$81.75266	ASPH CONC 12.5 MM PEM,GP2,INCL P-MBM&HL	\$57,226.86
0050	402-1812	1100.000	TN	\$68.28374	RECYL AC LEVELING,INC BM&HL	\$75,112.11
0060	402-3121	5680.000	TN	\$56.62658	RECYL AC 25MM SP,GP1/2,BM&HL	\$321,638.97
0065	402-3130	1918.000	TN	\$64.32258	RECYL AC 12.5MM SP,GP2,BM&HL	\$123,370.71
0070	402-3190	8190.000	TN	\$57.19974	RECYL AC 19 MM SP,GP 1 OR 2 ,INC BM&HL	\$468,465.87
0075	413-1000	3500.000	GL	\$2.33478	BITUM TACK COAT	\$8,171.73
0365	430-0610	29000.000	SY	\$100.00000	PLN PC CONC PVMT/HES/ 11" TK	\$2,900,000.00
0085	436-1000	4000.000	LF	\$11.37878	ASPH CONC CURB - 5"	\$45,515.12
0090	441-0018	900.000	SY	\$37.94541	DRIVEWAY CONCRETE, 8 IN TK	\$34,150.87
0095	441-0104	1660.000	SY	\$26.68060	CONC SIDEWALK, 4 IN	\$44,289.80
0550	441-0204	4300.000	SY	\$27.67269	PLAIN CONC DITCH PAVING, 4 IN	\$118,992.57
0100	441-0748	2150.000	SY	\$36.62051	CONC MEDIAN, 6 IN	\$78,734.10
0105	441-5002	1800.000	LF	\$11.37923	CONC HEADER CURB, 6", TP 2	\$20,482.61
0110	441-6022	12000.000	LF	\$14.09133	CONC CURB & GUTTER, 6"X30"TP2	\$169,095.96
0575	446-1100	6000.000	LF	\$3.65169	PVMT REF FAB STRIPS, TP2,18 INCH WIDTH	\$21,910.14
0580	446-2118	280.000	LF	\$4.38773	HIGH STR PVMT REINF FABRIC, 18 IN WDTN	\$1,228.56
0115	500-9999	40.000	CY	\$170.37395	CL B CONC,BASE OR PVMT WIDEN	\$6,814.96
0119	550-1180	3530.000	LF	\$25.76138	STM DR PIPE 18",H 1-10	\$90,937.67
0350	550-1240	400.000	LF	\$37.59374	STM DR PIPE 24",H 1-10	\$15,037.50
0355	550-1300	1700.000	LF	\$41.70543	STM DR PIPE 30",H 1-10	\$70,899.23
0360	550-2180	500.000	LF	\$24.58229	SIDE DR PIPE 18",H 1-10	\$12,291.15
0370	550-3318	16.000	EA	\$747.53400	SAFETY END SECTION 18",STD,4:1	\$11,960.54
0375	550-4218	7.000	EA	\$480.47681	FLARED END SECT 18 IN, ST DR	\$3,363.34
0380	550-4224	3.000	EA	\$584.86975	FLARED END SECT 24 IN, ST DR	\$1,754.61
0385	573-2006	1000.000	LF	\$12.35106	UNDDR PIPE INCL DRAIN AGGR 6"	\$12,351.06
0400	620-0100	3200.000	LF	\$22.57581	TEMP BARRIER, METHOD NO. 1	\$72,242.59
0405	632-0003	4.000	EA	\$11,244.11111	CHANGEABLE MESS SIGN,PORT,TP 3	\$44,976.44
0120	641-1100	90.000	LF	\$61.54657	GUARDRAIL, TP T	\$5,539.19
0125	641-1200	5020.000	LF	\$13.77851	GUARDRAIL, TP W	\$69,168.12
0130	641-5001	8.000	EA	\$593.58567	GUARDRAIL ANCHORAGE, TP 1	\$4,748.69
0135	641-5012	3.000	EA	\$1,820.62547	GUARDRAIL ANCHORAGE, TP 12	\$5,461.88
0410	643-5000	6000.000	LF	\$7.31676	WOVEN WIRE SPECIAL DESIGN GAME FENCE	\$43,900.56
0415	643-8040	4.000	EA	\$559.50000	GATE, WOVEN WIRE - 8 FEET WIDE	\$2,238.00
0420	668-1100	38.000	EA	\$2,103.00158	CATCH BASIN, GP 1	\$79,914.06
0425	668-4300	4.000	EA	\$1,845.64705	STORM SEW MANHOLE, TP 1	\$7,382.59
0430	668-5000	5.000	EA	\$1,566.83433	JUNCTION BOX	\$7,834.17
SUBTOTAL FOR ROADWAY ITEMS:						\$8,633,341.10

DETAILED COST ESTIMATE



Job: 0007421

0020 - LIGHTING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0140	500-3101	157.000	CY	\$362.92346	CLASS A CONCRETE	\$56,978.98
0145	511-1000	22927.000	LB	\$0.68947	BAR REINF STEEL	\$15,807.48
0150	681-6646	12.000	EA	\$425.00000	LUMINAIRE, TP A, 250W,HP SODIUM	\$5,100.00
0155	682-1404	11380.000	LF	\$0.62802	CABLE, TP XHHW, AWG NO 10	\$7,146.87
0160	682-1406	41965.000	LF	\$1.08816	CABLE, TP XHHW, AWG NO 6	\$45,664.63
0165	682-1407	8970.000	LF	\$1.59516	CABLE, TP XHHW, AWG NO 4	\$14,308.59
0170	682-1408	5650.000	LF	\$2.25128	CABLE, TP XHHW, AWG NO 2	\$12,719.73
0175	682-6110	800.000	LF	\$7.72952	CONDUIT, RIGID, 1 IN	\$6,183.62
0180	682-6115	820.000	LF	\$10.24900	CONDUIT, RIGID, 1 1/2 IN	\$8,404.18
0185	682-6120	110.000	LF	\$13.10686	CONDUIT, RIGID, 2 IN	\$1,441.75
0190	682-6219	260.000	LF	\$4.31979	CONDUIT, NONMETL, TP 2, 1 IN	\$1,123.15
0195	682-6221	8020.000	LF	\$5.98398	CONDUIT, NONMETL, TP 2, 1 1/2"	\$47,991.52
0200	682-6222	100.000	LF	\$7.01862	CONDUIT, NONMETL, TP 2, 2 IN	\$701.86
0205	682-9000	1.000	LS	\$10,000.00000	MAIN SVC PICK UP POINT POINT A	\$10,000.00
0210	682-9000	1.000	LS	\$10,000.00000	MAIN SVC PICK UP POINT POINT B	\$10,000.00
0215	682-9000	1.000	LS	\$10,000.00000	MAIN SVC PICK UP POINT POINT B	\$10,000.00
0220	682-9021	9.000	EA	\$1,888.60461	ELEC JCT BX, CONC GRD MOUNTED	\$16,997.44
0225	682-9023	4.000	EA	\$524.55952	ELEC JCT BX, GALVANIZED, SIZE -	\$2,098.24
0230	683-1101	16.000	EA	\$15,304.51956	LIGHT TOW/STEL/100MH/LW EQUIP	\$244,872.31
0235	683-6586	64.000	EA	\$730.42667	HI-LEVEL LUMIN, TP 5, 1000W, HP	\$46,747.31
SUBTOTAL FOR LIGHTING ITEMS:						\$564,287.66

0030 - SIGNING & MARKING ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0240	653-0120	15.000	EA	\$67.14170	THERM PVMT MARK, ARROW, TP 2	\$1,007.13
0245	653-0130	5.000	EA	\$81.45793	THERM PVMT MARK, ARROW, TP 3	\$407.29
0250	653-0170	5.000	EA	\$87.93338	THERM PVMT MARK, ARROW, TP 7	\$439.67
0255	653-1501	6625.000	LF	\$0.39195	THERMO SOLID TRAF ST 5 IN, WHI	\$2,596.67
0260	653-1502	1950.000	LF	\$0.44219	THERMO SOLID TRAF ST, 5 IN YEL	\$862.27
0265	653-1704	250.000	LF	\$3.74946	THERM SOLID TRAF STRIPE, 24", WH	\$937.37
0270	653-1804	2700.000	LF	\$1.73806	THERM SOLID TRAF STRIPE, 8", WH	\$4,692.76
0275	653-3501	339.000	GLF	\$0.38734	THERMO SKIP TRAF ST, 5 IN, WHI	\$131.31
0280	653-6004	122.000	SY	\$3.14127	THERM TRAF STRIPING, WHITE	\$383.23
0285	653-6006	745.000	SY	\$2.90297	THERM TRAF STRIPING, YELLOW	\$2,162.71
0290	654-1001	48.000	EA	\$4.95007	RAISED PVMT MARKERS TP 1	\$237.60
0295	654-1003	230.000	EA	\$4.18100	RAISED PVMT MARKERS TP 3	\$961.63
0300	657-1054	16825.000	LF	\$2.92463	PRF PL SD PVMT MKG, 5", WH, TP PB	\$49,206.90
0305	657-1084	3400.000	LF	\$4.24038	PRF PL SD PVMT MKG, 8", WH, TP PB	\$14,417.29
0310	657-1244	300.000	LF	\$19.01588	PRF PL SD PVMT MKG, 24", WH, TPPB	\$5,704.76
0315	657-3054	1350.000	GLF	\$2.69080	PRF PL SK PVMT MKG, 5", WH, TP PB	\$3,632.58
0320	657-5001	4175.000	SY	\$12.09326	PREFORMED PLASTIC PVMT MKG, WHITE, TP PB	\$50,489.36
0325	657-5002	460.000	SY	\$20.55453	PREFORMED PLASTIC PVMT MKG, YE, TP PB	\$9,455.08
0330	657-5003	10.000	EA	\$621.38876	PRF PLASTIC PVMT MKG, WORD TP 1, TP PB	\$6,213.89
0335	657-5017	25.000	EA	\$422.69681	PRF PL PVT MKG, ARW TP2, WH, TPPB	\$10,567.42
0340	657-6054	6750.000	LF	\$3.25347	PRF PL SD PVMT MKG, 5", YW, TP PB	\$21,960.92
0345	657-9122	3400.000	LF	\$6.28494	WET REFL SOL PVMT MKGS, 10", WH	\$21,368.80
SUBTOTAL FOR SIGNING & MARKING ITEMS:						\$207,836.64

DETAILED COST ESTIMATE



Job: 0007421

0070 - TEMPORARY EROSION CONTROL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0435	163-0232	3.000	AC	\$400.62500	TEMPORARY GRASSING	\$1,201.88
0440	163-0300	4.000	EA	\$1,166.06677	CONSTRUCTION EXIT	\$4,664.27
0445	163-0503	5.000	EA	\$381.46564	CONSTR AND REMOVE SILT CONTROL GATE, TP 3	\$1,907.33
0450	163-0520	900.000	LF	\$10.90915	CONSTR AND REMOVE TEMP PIPE SLOPE DRAIN	\$9,818.24
0585	163-0527	2000.000	EA	\$145.21026	CNST/REM RIP RAP CKDM, STN P RIPRAP/SN BG	\$290,420.52
0460	163-0550	35.000	EA	\$160.12021	CONS & REM INLET SEDIMENT TRAP	\$5,604.21
0465	165-0010	3000.000	LF	\$0.60994	MAINT OF TEMP SILT FENCE, TP A	\$1,829.82
0470	165-0030	9850.000	LF	\$0.61099	MAINT OF TEMP SILT FENCE, TP C	\$6,018.25
0590	165-0041	1000.000	LF	\$1.09298	MAINT OF CHECK DAMS - ALL TYPES	\$1,092.98
0480	165-0087	5.000	EA	\$145.94508	MAINT OF SILT CONTROL GATE, TP 3	\$729.73
0485	165-0101	4.000	EA	\$631.43061	MAINT OF CONST EXIT	\$2,525.72
0490	165-0105	35.000	EA	\$53.16050	MAINT OF INLET SEDIMENT TRAP	\$1,860.62
0495	167-1000	2.000	EA	\$610.70939	WATER QUALITY MONITORING AND SAMPLING	\$1,221.42
0500	167-1500	30.000	MO	\$480.77671	WATER QUALITY INSPECTIONS	\$14,423.30
0505	171-0010	6000.000	LF	\$1.98981	TEMPORARY SILT FENCE, TYPE A	\$11,938.86
0510	171-0030	19700.000	LF	\$2.84347	TEMPORARY SILT FENCE, TYPE C	\$56,016.36
SUBTOTAL FOR TEMPORARY EROSION CONTROL ITEMS:						\$411,273.51

0080 - PERMANENT EROSION CONTROL ITEMS

Line Number	ITEM	QUANTITY	UNITS	PRICE	DESCRIPTION	AMOUNT
0515	163-0240	170.000	TN	\$202.07362	MULCH	\$34,352.52
0390	603-1012	350.000	SY	\$38.13261	STN PLAIN RIP RAP, 12 IN	\$13,346.41
0395	603-7000	340.000	SY	\$3.47202	PLASTIC FILTER FABRIC	\$1,180.49
0520	700-6910	12.000	AC	\$605.92593	PERMANENT GRASSING	\$7,271.11
0525	700-7000	57.000	TN	\$60.44152	AGRICULTURAL LIME	\$3,445.17
0535	700-8000	8.000	TN	\$398.24043	FERTILIZER MIXED GRADE	\$3,185.92
0540	700-8100	1000.000	LB	\$2.14310	FERTILIZER NITROGEN CONTENT	\$2,143.10
0545	716-2000	25000.000	SY	\$0.88486	EROSION CONTROL MATS, SLOPES	\$22,121.50
SUBTOTAL FOR PERMANENT EROSION CONTROL ITEMS:						\$87,046.22

COST GROUP FOR JOB 0007421

LINE NUMBER	UNIT	CALCULATION RULE	QUANTITY	PRICE	COST GROUP ID	DESCRIPTION	AMOUNT
00000001	SF	NORM	31824.000	\$90.00	STRO	STRUCTURES, OTHER (SF)	\$2,864,160.00
00000002	LS	NORM	1.000	\$200,000.00	RMVL	REMOVALS (LS)	\$200,000.00
SUBTOTAL:							\$3,064,160.00

TOTALS FOR JOB 0007421

ITEMS COST:	\$9,903,785.13
COST GROUP COST:	\$3,064,160.00
ESTIMATED COST:	\$12,971,177.88
CONTINGENCY PERCENT:	0.00
ENGINEERING AND INSPECTION:	0.00
ESTIMATED COST WITH CONTINGENCY AND E&I:	\$12,971,177.88

NOTICE OF LOCATION AND DESIGN APPROVAL

CSNHS-0007-00(421), McINTOSH COUNTY

P. I. NO. 0007421

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 approval: December 21, 2012

The project is located in McIntosh County west of the city of Darien. The project is located 100% within G.M.D. 271 and Congressional District 1.

Project CSNHS-0007-00(421) will consist of a 2-lane urban section including turn lanes where necessary, including a 16-foot urban shoulder with a 10-foot multi-use path on the south side and a 12-foot urban shoulder with a 5-foot sidewalk on the north side. The existing 2-lane bridge over I-95 will be replaced with a new 4-lane bridge which includes two left turn lanes. The new bridge on S.R. 251 would achieve the required vertical and horizontal clearance for the widening of I-95.

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:

Brian Scarbrough
bscarbrough@dot.ga.gov
Georgia Department of Transportation
128 Public Safety Blvd
Brunswick, Ga. 31525
Telephone (912) 264-7247

Any interested party may obtain a copy of the drawings or maps or portions thereof by paying a nominal fee and requesting in writing to:

Genetha Rice-Singleton
grice-singleton@dot.ga.gov
Office of Program Delivery
Georgia Department of Transportation
600 West Peachtree St, 25th Floor
Atlanta, Georgia 30308
Telephone (404) 631-1122

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.