

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. Nos. 511120-, 511125-, 0007417, 0007418,
0007419, 0007420, McIntosh County **OFFICE** Preconstruction
NH-IM-95-1(121) & (137), CSNHS-0007-00(417), (418), (419), and (420)

I-95 Widening and Bridge Replacements

DATE February 5, 2007

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

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

GRS/cj

Attachment

DISTRIBUTION:

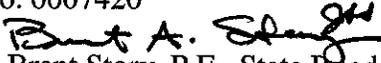
Brian Summers
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Angela Alexander (file copy)
Babs Abubakari
Brent Story
Glenn Currence
BOARD MEMBER
FHWA

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: NH-IM-95-1(121) McIntosh County
P.I. No. 511120
NH-IM-95-1(137) McIntosh County
P.I. No. 511125
CSNHS-0007-00(417) McIntosh County
P.I. No. 0007417
CSNHS-0007-00(418) McIntosh County
P.I. No. 0007418
CSNHS-0007-00(419) McIntosh County
P.I. No. 0007419
CSNHS-0007-00(420) McIntosh County
P.I. No. 0007420

OFFICE: Road Design
DATE: December 11, 2006

FROM:  Brent Story, P.E., State Road Design Engineer
TO: Genetha Rice-Singleton, Director of Preconstruction

SUBJECT: REVISED PROJECT CONCEPT REPORT

Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP) for projects NH-IM-95-1(121) and (137). Project NH-IM-95-1(121) represents Phase I widening of I-95 to six lanes and the replacement of four overpass bridges at CR 16/King Swamp Road, CR 17/Ardock Road, CR 21/Church Hill Road, and SR 57/99. The replacement of the SR 57/99 overpass bridge includes widening approaches to the bridge, adjusting each of the ramp intersections and replacing the SR 57 bridge over Young's Swamp. Project NH-IM-95-1(137) represents Phase II widening of I-95 to eight lanes.

The original concept of December 13, 1994 for Project NH-IM-95-1(121) included the replacement of the CR 16, CR 17, CR 21 and SR 57/99 Overpass Bridges over I-95. On October 15, 2002, the project concept was revised to jack the four overpass bridges to accommodate the asphaltic concrete overlay that was planned for the widening of I-95 under project NH-IM-95-1(121) and to replace the four overpass bridges under project NH-IM-95-1(137). On September 9, 2005, the project concept was revised to remove the four overpass bridges from project NH-IM-95-1(121). The report indicated that the four overpass bridge replacements would be programmed as separate phase IA projects to be completed during the construction of project NH-IM-95-1(121) or immediately after that project. Subsequently, in 2005, the Department programmed projects CSNHS-0007-00(417) thru (420) which represent the following:

CSNHS-0007-00(417)	Widening and replacement of overpass bridge on CR 16/the King Swamp Road
CSNHS-0007-00(418)	Widening and replacement of overpass bridge on CR 17/Ardick Road

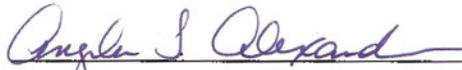
- CSNHS-0007-00(419) Widening and Replacement of overpass bridge on CR 21/Church Hill Road
- CSNHS-0007-00(420) Widening and Replacement of the overpass bridge on SR 57/99, adjusting each of the ramp intersections, bridge approaches and widening and replacement of the SR 57 bridge over Young's Swamp

It has been determined, by the Department, that the SR 57 Bridge over Young's Swamp cannot be jacked and will have to be replaced to accommodate the grade revision of the SR 57/99 overpass bridge.

The purpose of this revised concept report is to replace the overpass bridges in the revised concept report for project NH-IM-95-1(121), dated September 9, 2005, with the newly programmed projects CSNHS-0007-00(417) thru (420). This revised concept report will also provide updated cost estimates for projects NH-IM-95-1(121) and (137), new cost estimates for projects CSNHS-0007-00(417) thru (420), revised design features and a revised project location map.

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

DATE 12/19/06


State Transportation Planning Administrator

Distribution:

Brian Summers	Project Review Engineer
Harvey Keepler	State Environmental/Location Engineer
Keith Golden	State Traffic Safety and Design Engineer
Angela Alexander	State Transportation Planning Administrator
Jamie Simpson	Office of Finance Management
Glenn Durrence	District 5 Engineer
Paul Liles	State Bridge Design Engineer

REVISED PROJECT CONCEPT REPORT

Project:

NH-IM-95-1(121), PI 511120, McIntosh County – I-95 Widening Phase I
NH-IM-95-1(137), PI 511125, McIntosh County – I-95 Widening Phase II
CSNHS-0007-00(417), PI 0007417, McIntosh County – Bridge Widening & Replacement, CR 16
CSNHS-0007-00(418), PI 0007418, McIntosh County – Bridge Widening & Replacement, CR 17
CSNHS-0007-00(419), PI 0007419, McIntosh County – Bridge Widening & Replacement, CR 21
CSNHS-0007-00(420), PI 0007420, McIntosh County – Bridge Widening & Replacements, Ramp Modifications, Bridge Approaches, SR 57/99

Need and Purpose: *No Change Required. (See attached approved Concept Report dated September 7, 1994)*

Project Location: Widening and reconstruction of I-95 from the end of Project NH-IM-95-1(120) McIntosh County just north of the SR 251 interchange; north, to the beginning of Project NH-IM-95-1(122) McIntosh County just north of the SR 57 interchange, all in McIntosh County. The gross length of the project is 9.60 miles. A second phase of widening is proposed to be constructed under a future project, Project NH-IM-95-1(137) which will have the same project limits.

Description of the approved concept: *(See attached approved concept report dated December 13, 1994 and approved revised concept reports dated October 15, 2002 and September 9, 2005)*

PDP Classification:

NH-IM-95-1(121) & (137)	Major <u> X </u>	Minor <u> </u>
CSNHS-0007-00(417) thru (420)	Major <u> </u>	Minor <u> X </u>

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

Functional Classification:

NH-IM-95-1(120) & (137)	Principal Arterial (Rural Interstate)
CSNHS-0007-00(417) thru (419)	Rural Local Road System
CSNHS-0007-00(420)	Rural Major Collector

U.S. Route Number(s): I-95 **State Route Number(s):** SR 405, SR 57/99
County Route Number(s): CR 16, CR 17,
CR 21

Updated Traffic Data (AADT):

Current Year (2007): 48,000 **Design Year (2027):** 71,000

Proposed features to be revised: Identify the four overpass bridges from the revised concept report dated September 9, 2005 for project NH-IM-95-1(121) as projects CSNHS-0007-00(417) thru (420) which represent the widening and replacement of the overpass bridges on CR 16/King Swamp Road, CR 17/Ardick Road, and CR 21/Church Hill Road, and the widening and

replacement of the overpass bridge on SR 57/99, adjusting each of the ramp intersections, bridge approaches and the widening and replacement of the SR 57 bridge over Young's Swamp respectively. Update the cost estimates for projects NH-IM-95-1(121) & (137), provide new cost estimates for projects CSNHS-0007-00(417) thru (420), and revise the project location map.

Describe the revised feature(s) to be approved:

- CSNHS-0007-00(417): Widening and replacement of overpass bridge on CR 16/King Swamp Road
- CSNHS-0007-00(418): Widening and replacement of overpass bridge on CR 17/Ardick Road
- CSNHS-0007-00(419): Widening and Replacement of overpass bridge on CR 21/Church Hill Road
- CSNHS-0007-00(420): Widening and Replacement of the overpass bridge on SR 57/99, adjusting each of the ramp intersections, bridge approaches and widening and replacement of the SR 57 bridge over Young's Swamp

MAJOR STRUCTURES:

- #1. CR 16/King Swamp Road Overpass – Replace on same alignment, existing bridge with new 364 foot by 42.4 foot bridge. Project CSNHS-0007-00(417)
- #3. CR 17/Ardick Road Overpass – Replace on same alignment, existing bridge with new 354 foot by 35.24 foot bridge. Project CSNHS-0007-00(418)
- #5. CR 21/Churchill Road Overpass – Replace on same alignment, existing bridge with new 302 foot by 35.24 foot bridge. Project CSNHS-0007-00(419)
- #6. SR 57/99 Overpass - Replace on same alignment, existing bridge with new 360 foot by 100 foot bridge. Project CSNHS-0007-00(420)
- #7. SR 57 over Youngs Swamp – Replace on same alignment, existing bridge with 216 foot by 68 foot bridge. Project CSNHS-0007-00(420)

Updated traffic data (AADT):

NH-IM-95-1(121) & NH-IM-95-1(137)

Current Year (2007): 48,500

Design Year (2027): 71,000

Programmed/Schedule:

NH-IM-95-1(121)

P.E. 1993

R/W: N/A

Construction: Apr-07

NH-IM-95-1(137)

P.E. 2014

R/W: N/A

Construction: 2016

CSNHS-0007-00(417)

P.E. 1993

R/W: 2007

Construction: Jan-08

CSNHS-0007-00(418)

P.E. 1993

R/W: 2007

Construction: Jan-08

CSNHS-0007-00(419)

P.E. 1993

R/W: 2007

Construction: Jan-08

CSNHS-0007-00(420)

P.E. 2007

R/W: 2008

Construction: 2013

Revised cost estimates:

NH-IM-95-1(121)

1. Construction cost (Including E&C): \$57,539,333.17
2. Right of way: \$0
3. Utilities: \$0

NH-IM-95-1(137)

1. Construction cost (Including E&C): \$11,889,308.09
2. Right of way: \$0
3. Utilities: \$0

CSNHS-0007-00(417)

1. Construction cost (Including E&C): \$2,678,801.20
2. Right of way: \$109,025.00
3. Utilities (reimbursable): \$444,000.00

CSNHS-0007-00(418)

1. Construction cost (Including E&C): \$2,556,118.98
2. Right of way: \$911,750.00
3. Utilities: (non-reimbursable): \$30,000.00

CSNHS-0007-00(419)

1. Construction cost (Including E&C): \$1,626,345.71
2. Right of way: \$115,270.00
3. Utilities: (non-reimbursable): \$25,000.00

CSNHS-0007-00(420)

1. Construction cost (Including E&C) = \$10,743,292.26
2. Right of way: \$5,997,890.00
3. Utilities: (non-reimbursable): \$100,000.00
4. Lighting (Including E&C) = \$681,239.55

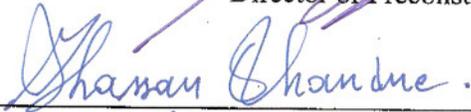
Are the projects located in a Non-attainment area? Yes No

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

Attachments:

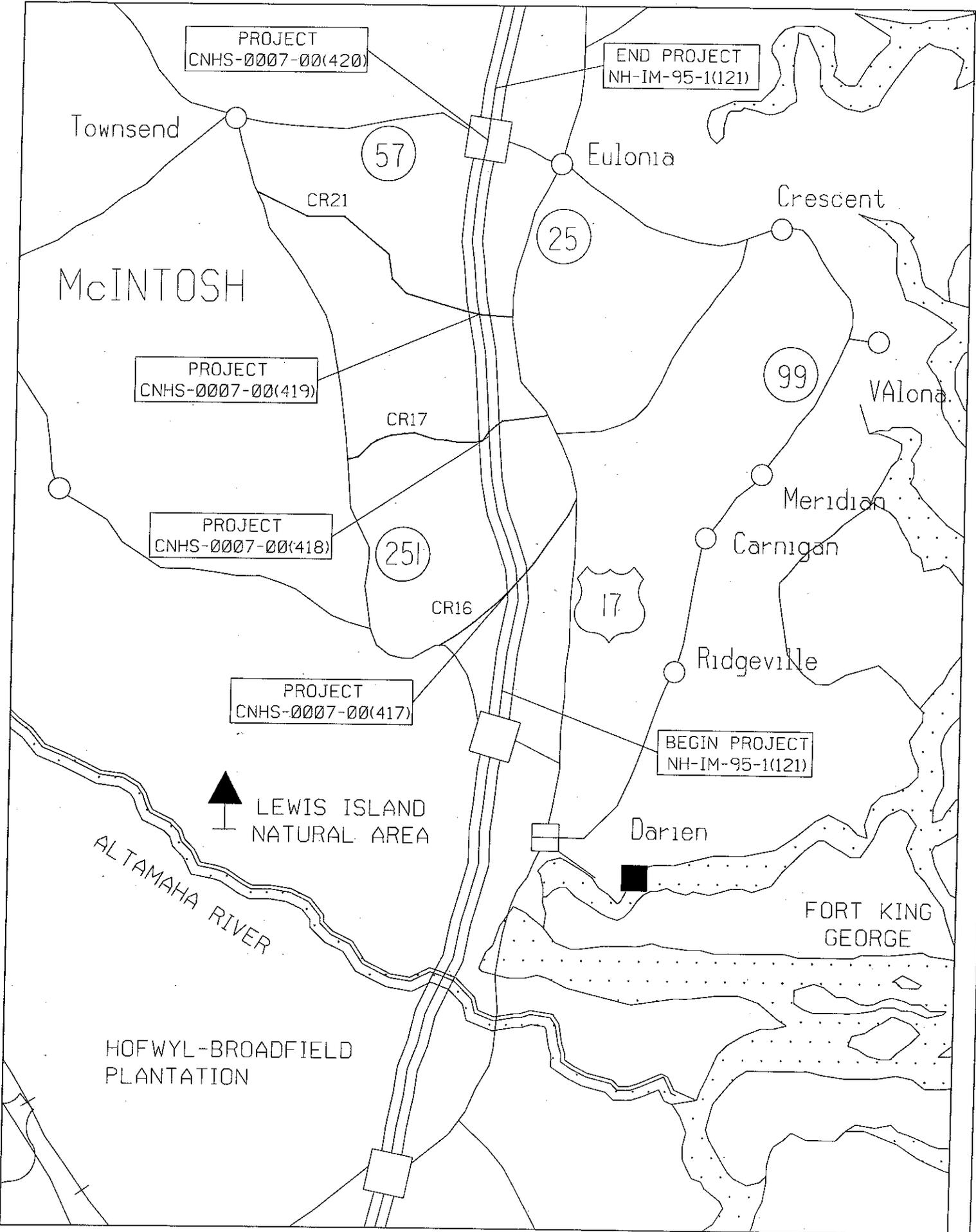
1. Original Concept Report for NH-IM-95-1(121) and (137) dated 12/13/94
2. Revised Concept Report for NH-IM-95-1(121) dated 10/15/02
3. Revised Concept Report for NH-IM-95-1(121) dated 9/9/05
4. Updated cost estimates for NH-IM-95-1(121) and (137)
5. New cost estimates for CSNHS-0007-00(417) thru (420)
6. R/W and Utility cost estimates for CSNHS-0007-00(417) thru (420)
7. Revised Project Map
8. Other supporting documents

Concur: 
Director of Preconstruction

Approve: 
F&C: Division Administrator, FHWA

Approve: 
Chief Engineer

PROJECT LOCATION MAP



Updated cost estimates for NH-IM-95-1(121)

and (137)

Estimate Report for file "511120"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	350000.00	TRAFFIC CONTROL -	350000.00
150-5000	74	EA	459.11	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	33974.14
153-1300	1	EA	75833.87	FIELD ENGINEERS OFFICE TP 3	75833.87
207-0203	490	CY	49.72	FOUND BKFFILL MATL, TP II	24362.80
208-0100	300000	CY	12.00	IN PLACE EMBANKMENT	3600000.00
310-5060	112156	SY	10.57	GR AGGR BASE CRS, 6 INCH, INCL MATL	1185488.92
310-5120	300566	SY	17.30	GR AGGR BASE CRS, 12 INCH, INCL MATL	5199791.80
400-3604	33194	TN	84.50	ASPH CONC 12.5 MM SMA, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	2804893.00
400-3624	29051	TN	81.74	ASPH CONC 12.5 MM PEM, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	2374628.74
402-1811	14360	TN	69.14	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	992850.40
402-3121	66125	TN	56.65	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	3745981.25
402-3130	22461	TN	53.31	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	1197395.91
402-3190	166332	TN	62.68	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	10425689.76
413-1000	82002	GL	1.57	BITUM TACK COAT	128743.14
432-0208	236374	SY	3.45	MILL ASPH CONC PVMT, 2 IN DEPTH	815490.30
433-1000	2415	SY	173.26	REINF CONC APPROACH SLAB	418422.90
446-1002	201880	LF	2.89	PVMT REINF FABRIC STRIPS, TP 2, INCL BITUM BINDER	583433.20
456-2003	38	MI	535.37	INDENTATION RUMBLE STRIPS, 3 FT WIDTH	20344.06
500-3101	325	CY	541.65	CLASS A CONCRETE	176036.25
511-1000	29991	LB	0.89	BAR REINF STEEL	26691.99
550-1150	1710	LF	40.05	STORM DRAIN PIPE, 15 IN, H 1-10	68485.50
550-1180	70	LF	38.76	STORM DRAIN PIPE, 18 IN, H 1-10	2713.20
550-1240	600	LF	50.15	STORM DRAIN PIPE, 24 IN, H 1-10	30090.00
550-1300	320	LF	62.56	STORM DRAIN PIPE, 30 IN, H 1-10	20019.20
550-1360	180	LF	77.29	STORM DRAIN PIPE, 36 IN, H 1-10	13912.20
550-3315	57	EA	829.81	SAFETY END SECTION 15 IN, STORM DRAIN, 4:1 SLOPE	47299.17
550-3318	6	EA	878.96	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	5273.76
550-3324	12	EA	1131.61	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	13579.32
550-3336	12	EA	2933.33	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	35199.96
573-2006	3700	LF	16.46	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	60902.00
574-0206	87840	LF	10.78	EDGEDRAIN PIPE, INCL BKFFILL MATL & FILTER FABRIC 6 IN	946915.20
621-4071	160	LF	453.79	CONCRETE SIDE BARRIER, TYPE 7C, MODIFIED	72606.40
632-0003	4	EA	12200.72	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	48802.88
641-1100	240	LF	49.72	GUARDRAIL, TP T	11932.80
641-1200	6254	LF	16.46	GUARDRAIL, TP W	102940.84
641-2200	41746	LF	23.65	DBL FACED GUARDRAIL, TP W	987292.90
641-5001	43	EA	576.99	GUARDRAIL ANCHORAGE, TP 1	24810.57
641-5012	51	EA	1681.31	GUARDRAIL ANCHORAGE, TP 12	85746.81
643-4000	6100	LF	6.32	WOVEN WIRE FENCE	38552.00
643-8040	8	EA	880.00	GATE, WOVEN WIRE -	7040.00
668-2105	65	EA	4394.80	DROP INLET, GP 1, SPCL DES	285662.00
900	1	LUMP	1296000.00	SIGNING AND MARKING	1296000.00
Section Sub Total:					\$38,385,829.14

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0300	5	EA	2570.09	CONSTRUCTION EXIT	12850.45
163-0503	65	EA	558.89	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	36327.85

163-0520	1200	LF	16.09	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	19308.00
163-0521	6000	EA	229.01	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	1374060.00
171-0010	42290	LF	2.03	TEMPORARY SILT FENCE, TYPE A	85848.70
171-0030	58395	LF	3.77	TEMPORARY SILT FENCE, TYPE C	220149.15
Section Sub Total:					\$1,748,544.15

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	1200	SY	33.82	PLAIN CONC DITCH PAVING, 4 IN	40584.00
441-0206	300	SY	32.68	PLAIN CONC DITCH PAVING, 6 IN	9804.00
700-6910	130	AC	871.61	PERMANENT GRASSING	113309.30
700-7010	325	GL	18.19	LIQUID LIME	5911.75
700-8000	117	TN	324.04	FERTILIZER MIXED GRADE	37912.68
700-8100	6500	LB	1.98	FERTILIZER NITROGEN CONTENT	12870.00
Section Sub Total:					\$220,391.73

Section MISCELLANEOUS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
682-6540	1500	LF	37.09	CONDUIT, FIBERGLASS, 4 IN	55635.00
682-7040	101400	LF	49.78	MULTI-CELL CONDUIT SYS, 4-WAY, SCH 40 PVC	5047692.00
682-9028	206	EA	4872.78	ELECTRICAL COMMUNICATION BOX, TP 5	1003792.68
Section Sub Total:					\$6,107,119.68

Section BRIDGES

Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-0001	1	EA	1305600.00	I-95 over Kinga Swamp	1305600.00
999-0002	1	EA	4541000.00	I-95 over Youngs Swamp Creek	4541000.00
Section Sub Total:					\$5,846,600.00

Total Estimated Cost: \$52,308,484.70

Subtotal Construction Cost	\$52,308,484.70
E&C Rate 10.0 %	\$5,230,848.47
Inflation Rate 0.0 % @ 1.0 Years	\$0.00
Total Construction Cost	\$57,539,333.17
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$57,539,333.17

Estimate Report for file "511125"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	175000.00	TRAFFIC CONTROL -	175000.00
153-1300	1	EA	75833.87	FIELD ENGINEERS OFFICE TP 3	75833.87
201-1500	1	LS	182000.00	CLEARING & GRUBBING -	182000.00
205-0001	94685	CY	9.00	UNCLASS EXCAV	852165.00
310-5120	140805	SY	17.30	GR AGGR BASE CRS, 12 INCH, INCL MATL	2435926.50
400-3624	8713	TN	81.74	ASPH CONC 12.5 MM PEM, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	712200.62
402-3112	30980	TN	56.37	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1746342.60
402-3113	21121	TN	57.76	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1219948.96
402-3121	46465	TN	56.65	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	2632242.25
413-1000	3130	GL	2.05	BITUM TACK COAT	6416.50
432-0206	129080	SY	1.32	MILL ASPH CONC PVMT, 1 1/2 IN DEPTH	170385.60
999-9999	1	Lump Sum	600000.00	EROSION CONTROL	600000.00
Section Sub Total:					\$10,808,461.90

Total Estimated Cost: \$10,808,461.90

Subtotal Construction Cost \$10,808,461.90

E&C Rate 10.0 % \$1,080,846.19

Inflation Rate 0.0 % @ 1.0 Years \$0.00

Total Construction Cost \$11,889,308.09

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$11,889,308.09

New cost estimates for CSNHS-0007-00(417)

thru (420)

Estimate Report for file "0007417"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
153-1300	1	EA	75272.56	FIELD ENGINEERS OFFICE TP 3	75272.56
201-1500	1	LS	25000.00	CLEARING & GRUBBING -	25000.00
208-0100	34500	CY	10.19	IN PLACE EMBANKMENT	351555.00
310-5080	8000	SY	15.07	GR AGGR BASE CRS, 8 INCH, INCL MATL	120560.00
318-3000	500	TN	17.21	AGGR SURF CRS	8605.00
402-3140	535	TN	75.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	40125.00
402-3192	870	TN	68.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	59160.00
413-1000	400	GL	1.84	BITUM TACK COAT	736.00
433-1200	240	SY	178.97	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	42952.80
441-0104	1450	SY	37.12	CONC SIDEWALK, 4 IN	53824.00
441-0301	4	EA	1876.27	CONC SPILLWAY, TP 1	7505.08
441-6222	2500	LF	17.08	CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	42700.00
500-3200	295	CY	530.90	CLASS B CONCRETE	156615.50
576-1018	400	LF	26.13	SLOPE DRAIN PIPE, 18 IN	10452.00
603-2180	60	SY	43.48	STN DUMPED RIP RAP, TP 3, 12 IN	2608.80
603-7000	60	SY	4.83	PLASTIC FILTER FABRIC	289.80
634-1200	20	EA	104.82	RIGHT OF WAY MARKERS	2096.40
641-1100	1865	LF	51.47	GUARDRAIL, TP T	95991.55
641-5001	2	EA	617.35	GUARDRAIL ANCHORAGE, TP 1	1234.70
641-5012	1	EA	1871.80	GUARDRAIL ANCHORAGE, TP 12	1871.80
643-4000	1000	LF	6.57	WOVEN WIRE FENCE	6570.00
668-1100	8	EA	2277.92	CATCH BASIN, GP 1	18223.36
Section Sub Total:					\$1,123,949.35

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	5	AC	571.97	TEMPORARY GRASSING	2859.85
163-0240	13	TN	183.84	MULCH	2389.92
163-0530	200	LF	3.67	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	734.00
165-0030	2000	LF	1.83	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	3660.00
165-0070	100	LF	2.29	MAINTENANCE OF BALED STRAW EROSION CHECK	229.00
167-1000	2	EA	1349.35	WATER QUALITY MONITORING AND SAMPLING	2698.70
167-1500	24	MO	1035.76	WATER QUALITY INSPECTIONS	24858.24
171-0030	4000	LF	3.84	TEMPORARY SILT FENCE, TYPE C	15360.00
700-7000	13	TN	58.05	AGRICULTURAL LIME	754.65
700-7010	11	GL	19.30	LIQUID LIME	212.30
700-8000	4	TN	348.14	FERTILIZER MIXED GRADE	1392.56
716-2000	20000	SY	1.15	EROSION CONTROL MATS, SLOPES	23000.00
Section Sub Total:					\$78,149.22

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	5	AC	906.91	PERMANENT GRASSING	4534.55
700-7010	11	GL	19.30	LIQUID LIME	212.30
700-8100	210	LB	2.04	FERTILIZER NITROGEN CONTENT	428.40
Section Sub Total:					\$5,175.25

Section BRIDGES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-9999	1	Lump Sum	1200000.00	CR 16 BRIDGE OVER I-95	1200000.00
Section Sub Total:					\$1,200,000.00

Section SIGNING AND MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-9999	1	Lump Sum	28000.00	SIGNING AND MARKING	28000.00
Section Sub Total:					\$28,000.00

Total Estimated Cost: \$2,435,273.82

Subtotal Construction Cost \$2,435,273.82

E&C Rate 10.0 % \$243,527.38

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$2,678,801.20

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$2,678,801.20

Estimate Report for file "0007418"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
201-1500	1	LS	25000.00	CLEARING & GRUBBING -	25000.00
208-0100	37600	CY	10.19	IN PLACE EMBANKMENT	383144.00
310-5080	8050	SY	15.07	GR AGGR BASE CRS, 8 INCH, INCL MATL	121313.50
318-3000	500	TN	17.21	AGGR SURF CRS	8605.00
402-3140	545	TN	75.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	40875.00
402-3192	885	TN	68.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	60180.00
413-1000	405	GL	1.84	BITUM TACK COAT	745.20
433-1200	225	SY	178.97	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	40268.25
441-0301	4	EA	1876.27	CONC SPILLWAY, TP 1	7505.08
500-3200	2	CY	530.90	CLASS B CONCRETE	1061.80
576-1018	550	LF	26.13	SLOPE DRAIN PIPE, 18 IN	14371.50
577-1100	4	EA	652.72	METAL DRAIN INLET - COMPLETE ASSEMBLY	2610.88
603-2180	60	SY	43.48	STN DUMPED RIP RAP, TP 3, 12 IN	2608.80
603-7000	60	SY	4.83	PLASTIC FILTER FABRIC	289.80
641-1100	85	LF	51.47	GUARDRAIL, TP T	4374.95
641-1200	2000	LF	18.54	GUARDRAIL, TP W	37080.00
641-5001	2	EA	617.35	GUARDRAIL ANCHORAGE, TP 1	1234.70
641-5012	2	EA	1871.80	GUARDRAIL ANCHORAGE, TP 12	3743.60
643-4000	1000	LF	6.57	WOVEN WIRE FENCE	6570.00
Section Sub Total:					\$761,582.06

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	5	AC	571.97	TEMPORARY GRASSING	2859.85
163-0240	14	TN	183.84	MULCH	2573.76
163-0300	2	EA	2872.37	CONSTRUCTION EXIT	5744.74
163-0530	350	LF	3.67	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	1284.50
165-0030	4000	LF	1.83	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	7320.00
165-0070	175	LF	2.29	MAINTENANCE OF BALED STRAW EROSION CHECK	400.75
165-0101	2	EA	660.01	MAINTENANCE OF CONSTRUCTION EXIT	1320.02
167-1000	2	EA	1349.35	WATER QUALITY MONITORING AND SAMPLING	2698.70
171-0030	7000	LF	3.84	TEMPORARY SILT FENCE, TYPE C	26880.00
700-7000	14	TN	58.05	AGRICULTURAL LIME	812.70
700-7010	12	GL	19.30	LIQUID LIME	231.60
700-8000	5	TN	348.14	FERTILIZER MIXED GRADE	1740.70
716-2000	21800	SY	1.15	EROSION CONTROL MATS, SLOPES	25070.00
Section Sub Total:					\$78,937.32

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	5	AC	906.91	PERMANENT GRASSING	4534.55
700-7010	12	GL	19.30	LIQUID LIME	231.60
700-8100	225	LB	2.04	FERTILIZER NITROGEN CONTENT	459.00
Section Sub Total:					\$5,225.15

Section BRIDGES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-9999	1	Lump Sum	1450000.00	CR 16 BRIDGE OVER I-95	1450000.00
Section Sub Total:					\$1,450,000.00

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

999-9999	1	Lump Sum	28000.00	SIGNING AND MARKING	28000.00
Section Sub Total:					\$28,000.00

Total Estimated Cost: \$2,323,744.53

Subtotal Construction Cost \$2,323,744.53

E&C Rate 10.0 % \$232,374.45

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$2,556,118.98

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$2,556,118.98

Estimate Report for file "0007419"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
201-1500	1	LS	25000.00	CLEARING & GRUBBING -	25000.00
208-0100	13900	CY	10.19	IN PLACE EMBANKMENT	141641.00
310-5080	4100	SY	15.07	GR AGGR BASE CRS, 8 INCH, INCL MATL	61787.00
318-3000	500	TN	17.21	AGGR SURF CRS	8605.00
402-3140	275	TN	75.00	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	20625.00
402-3192	450	TN	68.00	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	30600.00
413-1000	205	GL	1.84	BITUM TACK COAT	377.20
433-1200	225	SY	178.97	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	40268.25
441-0301	4	EA	1876.27	CONC SPILLWAY, TP 1	7505.08
500-3200	2	CY	530.90	CLASS B CONCRETE	1061.80
576-1018	500	LF	26.13	SLOPE DRAIN PIPE, 18 IN	13065.00
577-1100	3	EA	652.72	METAL DRAIN INLET - COMPLETE ASSEMBLY	1958.16
603-2180	60	SY	43.48	STN DUMPED RIP RAP, TP 3, 12 IN	2608.80
603-7000	60	SY	4.83	PLASTIC FILTER FABRIC	289.80
641-1100	100	LF	51.47	GUARDRAIL, TP T	5147.00
641-1200	1000	LF	18.54	GUARDRAIL, TP W	18540.00
641-5001	2	EA	617.35	GUARDRAIL ANCHORAGE, TP 1	1234.70
641-5012	2	EA	1871.80	GUARDRAIL ANCHORAGE, TP 12	3743.60
643-4000	1000	LF	6.57	WOVEN WIRE FENCE	6570.00
Section Sub Total:					\$390,627.39

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	3	AC	571.97	TEMPORARY GRASSING	1715.91
163-0240	10	TN	183.84	MULCH	1838.40
163-0300	2	EA	2872.37	CONSTRUCTION EXIT	5744.74
163-0530	350	LF	3.67	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	1284.50
165-0030	2500	LF	1.83	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	4575.00
165-0070	175	LF	2.29	MAINTENANCE OF BALED STRAW EROSION CHECK	400.75
165-0101	2	EA	660.01	MAINTENANCE OF CONSTRUCTION EXIT	1320.02
167-1000	2	EA	1349.35	WATER QUALITY MONITORING AND SAMPLING	2698.70
171-0030	4600	LF	3.84	TEMPORARY SILT FENCE, TYPE C	17664.00
700-7000	10	TN	58.05	AGRICULTURAL LIME	580.50
700-7010	11	GL	19.30	LIQUID LIME	212.30
700-8000	4	TN	348.14	FERTILIZER MIXED GRADE	1392.56
716-2000	15000	SY	1.15	EROSION CONTROL MATS, SLOPES	17250.00
Section Sub Total:					\$56,677.38

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
700-6910	3	AC	906.91	PERMANENT GRASSING	2720.73
700-7010	8	GL	19.30	LIQUID LIME	154.40
700-8100	155	LB	2.04	FERTILIZER NITROGEN CONTENT	316.20
Section Sub Total:					\$3,191.33

Section BRIDGES					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-9999	1	Lump Sum	1000000.00	CR 16 BRIDGE OVER I-95	1000000.00
Section Sub Total:					\$1,000,000.00

Section SIGNING AND MARKING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost

999-9999	1	Lump Sum	28000.00	SIGNING AND MARKING	28000.00
Section Sub Total:					\$28,000.00

Total Estimated Cost: \$1,478,496.10

Subtotal Construction Cost \$1,478,496.10

E&C Rate 10.0 % \$147,849.61

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost \$1,626,345.71

Right Of Way \$0.00

ReImb. Utilities \$0.00

Grand Total Project Cost \$1,626,345.71

Estimate Report for file "0007420"

Section Bridges					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-9999	1	Lump Sum	1462050.00	SR 57 Bridge over Young Swamp	1462050.00
999-9999	1	Lump Sum	3531150.00	SR 57/99 Bridge over I-95	3531150.00
Section Sub Total:					\$4,993,200.00

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
162-1300	4	EA	617.52	EROSION CONTROL CHECK DAM, TP -	2470.08
163-0232	3	AC	525.52	TEMPORARY GRASSING	1576.56
163-0240	10	TN	206.32	MULCH	2063.20
163-0300	8	EA	2570.09	CONSTRUCTION EXIT	20560.72
163-0503	7	EA	558.89	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	3912.23
163-0520	400	LF	16.09	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	6436.00
163-0521	50	EA	229.01	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	11450.50
165-0020	5000	LF	1.49	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	7450.00
165-0030	800	LF	1.45	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	1160.00
165-0087	7	EA	225.17	MAINTENANCE OF SILT CONTROL GATE, TP 3	1576.19
167-1000	48	EA	1262.78	WATER QUALITY MONITORING AND SAMPLING	60613.44
167-1500	12	MO	968.42	WATER QUALITY INSPECTIONS	11621.04
171-0020	5000	LF	3.49	TEMPORARY SILT FENCE, TYPE B	17450.00
171-0030	800	LF	3.77	TEMPORARY SILT FENCE, TYPE C	3016.00
700-7000	5	TN	61.12	AGRICULTURAL LIME	305.60
700-8000	2	TN	324.04	FERTILIZER MIXED GRADE	648.08
716-2000	2000	SY	1.08	EROSION CONTROL MATS, SLOPES	2160.00
Section Sub Total:					\$154,469.64

Section Miscellaneous					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	200000.00	TRAFFIC CONTROL -	200000.00
999-9999	1	Lump Sum	20000.00	SIGNING AND MARKING	20000.00
Section Sub Total:					\$220,000.00

Section Roadway					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
153-1300	1	EA	75833.87	FIELD ENGINEERS OFFICE TP 3	75833.87
201-1500	1	LS	54000.00	CLEARING & GRUBBING -	54000.00
208-0100	64640	CY	12.00	IN PLACE EMBANKMENT	775680.00
310-5080	4600	SY	10.15	GR AGGR BASE CRS, 8 INCH, INCL MATL	46690.00
310-5120	34343	SY	17.30	GR AGGR BASE CRS, 12 INCH, INCL MATL	594133.90
318-3000	1500	TN	20.28	AGGR SURF CRS	30420.00
402-3140	1600	TN	63.03	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	100848.00
402-3143	2680	TN	63.86	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	171144.80
402-3192	4682	TN	56.90	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL	266405.80
413-1000	1500	GL	2.05	BITUM TACK COAT	3075.00
429-1000	560	EA	510.87	RUMBLE STRIPS	286087.20
430-0220	17467	SY	49.44	PLAIN PC CONC PVMT, CL 1 CONC, 12 INCH THK	863568.48
433-1000	1120	SY	173.26	REINF CONC APPROACH SLAB	194051.20
441-0301	4	EA	1743.69	CONC SPILLWAY, TP 1	6974.76
441-0748	410	SY	39.35	CONCRETE MEDIAN, 6 IN	16133.50
441-6022	900	LF	21.77	CONC CURB & GUTTER, 6 IN X 30-IN, TP 2	19593.00

446-1100	23550	LF	4.22	PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	99381.00
550-1180	200	LF	38.76	STORM DRAIN PIPE, 18 IN, H 1-10	7752.00
550-1240	320	LF	50.15	STORM DRAIN PIPE, 24 IN, H 1-10	16048.00
550-3318	8	EA	878.96	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	7031.68
550-3324	8	EA	1131.61	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	9052.88
641-1100	116	LF	49.72	GUARDRAIL, TP T	5767.52
641-1200	2300	LF	16.46	GUARDRAIL, TP W	37858.00
641-5001	8	EA	576.99	GUARDRAIL ANCHORAGE, TP 1	4615.92
641-5012	8	EA	1681.31	GUARDRAIL ANCHORAGE, TP 12	13450.48
643-4000	2750	LF	6.32	WOVEN WIRE FENCE	17380.00
643-8040	2	EA	880.00	GATE, WOVEN WIRE -	1760.00
Section Sub Total:					\$3,724,736.99

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	1420	SY	33.82	PLAIN CONC DITCH PAVING, 4 IN	48024.40
700-6910	6	AC	871.61	PERMANENT GRASSING	5229.66
700-7010	20	GL	18.19	LIQUID LIME	363.80
700-8000	4	TN	324.04	FERTILIZER MIXED GRADE	1296.16
Section Sub Total:					\$54,914.02

Section LIGHTING					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3101	157	CY	513.56	CLASS A CONCRETE	80628.92
511-1000	22927	LB	0.81	BAR REINF STEEL	18570.87
681-6646	12	EA	425.00	LUMINAIRE, TP A, 250W HP SODIUM	5100.00
682-1404	11380	LF	0.60	CABLE, TP XHHW, AWG NO 10	6828.00
682-1406	41965	LF	1.18	CABLE, TP XHHW, AWG NO 6	49518.70
682-1407	8970	LF	1.59	CABLE, TP XHHW, AWG NO 4	14262.30
682-1408	5650	LF	2.46	CABLE, TP XHHW, AWG NO 2	13899.00
682-6110	800	LF	13.17	CONDUIT, RIGID, 1 IN	10536.00
682-6115	820	LF	26.73	CONDUIT, RIGID, 1 1/2 IN	21918.60
682-6120	110	LF	20.43	CONDUIT, RIGID, 2 IN	2247.30
682-6219	260	LF	7.22	CONDUIT, NONMETL, TP 2, 1 IN	1877.20
682-6221	8020	LF	4.26	CONDUIT, NONMETL, TP 2, 1 1/2 IN	34165.20
682-6222	100	LF	9.44	CONDUIT, NONMETL, TP 2, 2 IN	944.00
682-9000	1	Lump Sum	10000.00	MAIN SERVICE PICK UP POINT - B	10000.00
682-9000	1	Lump Sum	10000.00	MAIN SERVICE PICK UP POINT - A	10000.00
682-9000	1	Lump Sum	10000.00	MAIN SERVICE PICK UP POINT - C	10000.00
682-9021	9	EA	1972.03	ELECTRICAL JUNCTION BOX, CONC GROUND MOUNTED	17748.27
682-9023	4	EA	535.04	ELECTRICAL JUNCTION BOX, GALVANIZED, SIZE -	2140.16
683-1101	16	EA	16828.20	LIGHTING TOWER, STEEL, 100 FT MH, INCL LOWERING EQUIP	269251.20
683-6586	64	EA	619.89	HIGH LEVEL LUMINAIRE, TP 5, 1000 W, HP SODIUM	39672.96
Section Sub Total:					\$619,308.68

Total Estimated Cost: \$9,766,629.33

Subtotal Construction Cost \$9,766,629.33

E&C Rate 10.0 % \$976,662.93

Inflation Rate 0.0 % @ 0.0 Years \$0.00

Total Construction Cost	\$10,743,292.26
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
<hr/>	
Grand Total Project Cost	\$10,743,292.26

Department of Transportation State of Georgia

Interdepartmental Correspondence

FILE R/W Cost Estimate **OFFICE** Atlanta
PC/GAM **DATE** November 7, 2006

FROM Phil Copeland, Right of Way Administrator

TO Gerald M. Ross, P.E., State Road and Airport Design Engineer

ATTN: Jack Grant or Matt Sanders

SUBJECT **Preliminary Right of Way Cost Estimate**
Project: NHS-0007-00(417), (418), (419), (420) McIntosh
PI. No.: 0007417, 0007418, 0007419, 0007420
Description: Bridge Replacements over I-95

As per your request, attached is a copy of the approved Revised Preliminary Right of Way Cost Estimate on the above referenced project.

Please note the area of Required R/W was furnished with your request.
Please include total Required R/W areas for the entire corridor in all future requests.

If you have any questions, please contact Jerry Milligan at the Chamblee Right of Way Office at (770) 986-1541.

PC:GAM

Attachments

c: Brian Summers, Engineering Services
Wes Brock, R/W
Windy Bickers, Financial Management
File

Preliminary Right of Way Cost Estimate

Date: 10-30-2006

Project: NHS-0007-00 (417) McIntosh

Existing/Required R/W: VARIES/VARIES

Project Termini: Begins at station 13+00 At CR16/King Swamp Rd. and extends over I-95 to station 40+00

P. I. # 0007417

No. Parcels: 8

Project Description Proposed Bridge Replacements Over I-95

Land:

Commercial

N/A

Industrial

N/A

~~Residential~~

1.57 ACRES @ \$20,000/ACRE

Agricultural

\$31,400.00

N/A

Permanent Easement

N/A

\$31,400.00

Improvements: NONE

Relocation: NONE

Damages:

Proximity: NONE

Consequential NONE

Cost To Cure NONE

NET COST \$31,400.00

Net Cost		\$31,400.00
Scheduling Contingency	55 %	\$17,270.00
Adm/Court Cost	60 %	\$29,202.00
Inflation Factor	40 %	\$31,149.00
		<u>\$109,021.00</u>
		\$109,025.00

ROUNDED

PREPARED BY JACK T. FRANKLIN, JR.

APPROVED:

Preliminary Right of Way Cost Estimate

Date: 10-30-2006

Project: NHS-0007-00 (418) McIntosh

Existing/Required R/W: VARIES/VARIES

Project Termini: Begins At Station 10+00 CR17/Ardick Rd. extending over I-95 and ending at station 37+50

P. I. # 0007418

No. Parcels: 13

Project Description Proposed Bridge Replacement over I-95

Land:

Commercial	
N/A	
Industrial	
N/A	
Residential	
1.63 ACRES @ \$20,000/ACRE	
Agricultural	\$32,600.00
N/A	
Permanent Easement	
N/A	
	\$32,600.00

Improvements:	Two residential houses, sign, fencing, Site improvements	\$125,000.00
Relocations:	Two residential @ \$20,000/each	\$40,000.00

Damages:

Proximity:	Two parcels	\$65,000.00
Consequential:	None	
Cost to cure:	None	

~~\$65,000.00~~

NET COST \$262,600.00

Net Cost		\$262,600.00
Scheduling Contingency	55 %	\$144,430.00
Adm/Court Cost	60 %	\$244,218.00
Inflation Factor	40 %	\$260,499.00
		\$911,747.00
		\$911,750.00

PREPARED BY: JACK T. FRANKLIN, JR.

APPROVED BY:

ROUNDED

Preliminary Right of Way Cost Estimate

Date: 10-30-2006

Project: NHS-0007-00 (419) McIntosh

Existing/Required R/W: VARIES/VARIES

P. I. # 0007419

No. Parcels: 7

Project Termini: Begins at station 16+00 CR 21/ Church Hill Rd. and extends over I-95 to station 31+50 along CR 21/Church Hill Rd.

Project Description Proposed Bridge Replacement over I-95

Land:

Commercial

N/A

Industrial

N/A

Residential

0.66 ACRE @ \$20,000/ACRE

Agricultural

\$13,200.00

N/A

Permanent Easement

N/A

\$13,200.00

Improvements Fence, site improvements

\$5,000.00

Relocations: N/A

Damages:

Proximity: None

Consequential: None

Cost To Cure: One Parcel (pond)

\$15,000.00

NET COST \$ 33,200.00

Net Cost		\$33,200.00
Scheduling Contingency	55 %	\$18,260.00
Adm/Court Cost	60 %	\$30,876.00
Inflation Factor	40 %	\$32,935.00
		\$115,271.00
		\$115,270.00

ROUNDED

PREPARED BY: JACK T. FRANKLIN, JR.

APPROVED BY:

Preliminary Right of Way Cost Estimate

Date: 10-30-2006

Project: NHS-0007-00 (420) McIntosh

Existing/Required R/W: VARIES/VARIES

P. I. # 0007420

No. Parcels: 5

Project Termini: Begins At Approx. station # 42+50 SR 99/SR 57 and extends over I-95 to station # 57+50 along SR 99/SR 57

Project Description Proposed Bridge Replacement over I-95 (INCLUDES PURCHASE OF LIMITED ACCESS)

Land:

Commercial		
1250 Sq. Ft. @ \$10.00/Per SQ. FT.	\$12,500.00	
Industrial		
N/A		
Residential		
N/A		
Agricultural		
N/A		
Permanent Easement		
N/A.		
		\$12,500.00

Improvements Two service stations, Diner, Huddle House, Signs, Lights, Site Improvements \$1,265,000.00

Relocations: Four Commercial @ \$25,000.00/Parcel \$100,000.00

Damages:

Proximity : One Parcel	\$185,000.00	
Consequential None		
Cost To Cure: One Parcel	\$165,000.00	
		\$350,000.00

NET COST \$1,727,500.00

Net Cost		\$1,727,500.00
Scheduling Contingency 55 %		\$950,125.00
Adm/Court Cost 60 %		\$1,606,575.00
Inflation Factor 40 %		<u>\$1,713,680.00</u>
		\$5,997,880.00
		\$5,997,890.00

ROUNDED
PREPARED BY JACK T. FRANKLIN, JR.

APPROVED BY:

LAND SALES

DATE: 10-30-2006

PROJECT NHS-0007-
00(417),(418),(419),(420)

COUNTY: McIntosh P.I.# 0007417,0007418,0007419,0007420

COMMERCIAL

<u>HIGHEST/BEST USE</u>	<u>SIZE/SQ.FT.</u>	<u>VALUE/SQ.FT.</u>	<u>TOTAL VALUE</u>
Commercial	29,620	\$11.65/SQ.FT.	\$345,000.00
Commercial	37,026	\$9.85/SQ.FT.	\$364,700.00
Commercial	41,380	\$8.00/SQ.FT.	\$331,000.00

RESIDENTIAL

<u>HIGHEST/BEST USE</u>	<u>SIZE/ACRE</u>	<u>VALUE/ACRE</u>	<u>TOTAL VALUE</u>
Residential	.61	\$17,000.00	\$10,370.00
Residential	.85	\$20,000.00	\$17,000.00
Residential	1.15	\$23,500.00	\$27,025.00
Residential	1.50	\$23,850.00	\$35,775.00

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(417) McIntosh
P.I.# 0007417

OFFICE: Jesup, Georgia

DATE October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P. E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 16/KING SWAMP ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

Georgia Power Company-Distribution & Transmission

The above referenced utility is located off existing Interstate and County R/W and thus would probably be reimbursable. Georgia Power has four concrete transmission poles within the required R/W for this project but the relocation will impact poles on each end for a total of six, at an estimate cost of \$65,000.00 each pole for a total of \$390,000.00. Also they have a distribution line which will need to be relocated which will impact six wood poles at an estimate cost of \$9,000.00 each for a total estimate cost of \$56,000.00. Total estimated relocation cost for this project is \$444,000.00.

There where no other utilities observed on this project.

If there are any further questions please feel free to contact George Shenk at the District 5 utilities office at (912) 427-5859.

Copy: Jeff Baker P.E., State Utilities Engineer
Jamie Simpson, Financial Management Administrator
Tony Collins, District Preconstruction Engineer
Attn: Teresa Scott
General Files Unit
District office files
Utility office files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(418) McIntosh
P.I.# 0007418

OFFICE: Jesup, Georgia

DATE: October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 17/ARDOCK ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

Coastal EMC-Electric Distribution
Darien Telephone-CATV & Telephone
City of Darien- Water

Of the above referenced utilities Electric, is located on existing County R/W and thus would be required to relocate at their own expense. Water, Telephone & CATV however are shown off existing County R/W and would be reimbursable if they are impacted.

However it appears that CATV, Telephone and water will not be impacted, but the Electric facilities will. The estimated cost of relocating 6 poles at \$5,000.00 a pole for a total of \$30,000.00 to borne by Coastal EMC.

If there are any further questions please feel free to contact George Shenk at the District 5 utilities office at (912) 427-5859.

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(419) McIntosh
P.I.# 0007419

OFFICE: Jesup, Georgia

DATE: October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 21/KING ROAD AKA CHURCH HILL ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

Coastal EMC-Electric Distribution

Of the above referenced utilities Electric, is located on existing R/W and thus would be required to relocate at their own expense.

The estimated cost of relocating 5 poles at \$5,000.00 a pole for a total of \$25,000.00 to borne by Coastal EMC.

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(420) McIntosh
P.I.# 0007420

OFFICE: Jesup, Georgia

DATE: October 23, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ SR 57/99/WIREGRASS TRAIL

Per your request an on site inspection was made by this office and the following utilities were found to be located within the project limits:

Coastal EMC-Electric Distribution
Georgia Power Company-Distribution

Of the above referenced utilities, Coastal EMC owns the distribution poles and Georgia Power is under-built, is located on existing R/W and thus would be required to relocate at their own expense.

The estimated cost of relocating 4 joint-use poles at \$25,000.00 a pole for a total of \$100,000.00 to borne by Coastal EMC and Georgia Power.

If there are any further questions please feel free to contact George Shenk at the District 5 utilities office at (912) 427-5859.

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(417) McIntosh
P.I.# 0007417

OFFICE: Jesup, Georgia

DATE October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P. E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 16/KING SWAMP ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

Georgia Power Company-Distribution & Transmission

The above referenced utility is located off existing Interstate and County R/W and thus would probably be reimbursable. Georgia Power has four concrete transmission poles within the required R/W for this project but the relocation will impact poles on each end for a total of six, at an estimate cost of \$65,000.00 each pole for a total of \$390,000.00. Also they have a distribution line which will need to be relocated which will impact six wood poles at an estimate cost of \$9,000.00 each for a total estimate cost of \$56,000.00. Total estimated relocation cost for this project is \$444,000.00.

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(418) McIntosh
P.I.# 0007418

OFFICE: Jesup, Georgia

DATE: October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 17/ARDOCK ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(419) McIntosh
P.I.# 0007419

OFFICE: Jesup, Georgia

DATE: October 26, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ CR 21/KING ROAD AKA CHURCH HILL ROAD

Per your request, between the plans supplied by your office and an on site inspection that was made by this office and the following utilities were found to be located within the project limits:

Coastal EMC-Electric Distribution

Of the above referenced utilities Electric, is located on existing R/W and thus would be required to relocate at their own expense.

The estimated cost of relocating 5 poles at \$5,000.00 a pole for a total of \$25,000.00 to borne by Coastal EMC.

If there are any further questions please feel free to contact George Shenk at the District 5 utilities office at (912) 427-5859.

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**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENTAL CORRESPONDENCE

FILE: CSNHS-0007-00(420) McIntosh
P.I.# 0007420

OFFICE: Jesup, Georgia

DATE: October 23, 2006

FROM: Karon Ivery, District Utilities Engineer

TO: Brent Story, P.E., State Road and Airport Design Engineer

SUBJECT: Utility Cost Estimate- I-95 @ SR 57/99/WIREGRASS TRAIL

Per your request an on site inspection was made by this office and the following utilities were found to be located within the project limits:

Coastal EMC-Electric Distribution
Georgia Power Company-Distribution

Of the above referenced utilities, Coastal EMC owns the distribution poles and Georgia Power is under-built, is located on existing R/W and thus would be required to relocate at their own expense.

The estimated cost of relocating 4 joint-use poles at \$25,000.00 a pole for a total of \$100,000.00 to borne by Coastal EMC and Georgia Power.

If there are any further questions please feel free to contact George Shenk at the District 5 utilities office at (912) 427-5859.

Copy: Jeff Baker P.E., State Utilities Engineer
Jamie Simpson, Financial Management Administrator
Tony Collins, District Preconstruction Engineer
Attn: Teresa Scott
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District office files
Utility office files

Revised Concept Report for NH-IM-95-1(121)

dated 9/9/05

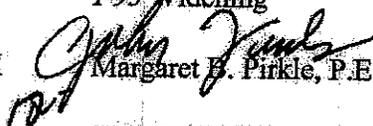
ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 511120, McIntosh County **OFFICE** Preconstruction
NH-IM-95-1(121)
I-95 Widening **DATE** September 9, 2005

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

TO SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Brent Story
Gary Priester
BOARD MEMBER
FHWA

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

RECEIVED
JUN 21 2005

FILE NH-IM-95-1 (121) McIntosh County OFFICE Road Design
PI # 511120
I-95 WIDENING DATE June 20, 2005
FROM Brent A. Story, P.E., State Road & Airport Design Engineer
TO Margaret B. Pirkle, P.E., Assistant Director of Preconstruction
SUBJECT REVISED PROJECT CONCEPT REPORT

RECEIVED
JUN 27 2005

Attached is the original copy of the Revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The concept report has been revised to remove the four overpass bridges, CR 16/Fountain Road, CR 17/Ardick Road, CR 21/King Road, and SR 57/99, from this project. These bridges will require design exceptions for horizontal clearance and design variances for vertical clearance. The replacement of these bridges will be programmed as a separate phase 1A project to be completed during this project or immediately after.

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

BAS:jss:jrg:ss

Distribution:

- cc: Brian Summers, w/att.
- Harvey Keepler, w/att.
- Keith Golden, w/att.
- Joe Palladi, w/att.
- Jamie Simpson, w/att.
- Gary Preister, w/att.
- Paul Liles, w/att.

ROUTING	
<input checked="" type="checkbox"/>	<i>Approved</i>
<input checked="" type="checkbox"/>	<i>JOE</i>
<input type="checkbox"/>	
<input type="checkbox"/>	

Joseph Palladi
State Transportation Planning Administrator

6/24/05
Date

REVISED PROJECT CONCEPT REPORT

NH-IM-95-1(121)
P.I. Number 511120
McIntosh County

Need and Purpose: *No Change Required. (See attached approved Concept Report dated September 7, 1994)*

Project Location & Description

Widening and reconstruction of I-95 from the end of Project NH-IM-95-1(120) McIntosh County, just north of the SR 251 interchange north to the beginning of project NH-IM-95-1(122) McIntosh County, just north of the SR 57 interchange, all in McIntosh County. The gross length of the project is 9.60 miles. A second phase of widening is proposed to be constructed under a future project, Project NH-IM-95-1(137) which will have the same project limits.

Roadway

Widen 9.60 miles of existing four lane interstate freeway, two lanes in each direction separated by a 64 foot depressed grassed median to a six lane interstate freeway separated by a 52 foot depressed grassed median. Opposing traffic will be protected by a double-faced guardrail in the median. This widening is to be accomplished by building ½ lane (6 feet) in the median each direction and a 12 foot shoulder in one direction only. The shoulder in the other direction will be a 17.5 foot shoulder to accommodate the double-faced guardrail. On the outside of the existing lanes, it is proposed to add ½ lane (6 feet) plus a 12 foot full-depth paved shoulder which shall be used for stage construction and traffic control for this project and as a future fourth lane when the future project is implemented. Also, grading for the future project is proposed. In addition, approximately 1.64 miles of split median exists just north of SR 251. The widening in this area will be accomplished similar to the above, with the exception that the double-faced guardrail will not be required.

Bridges

The four overpass bridges on the project (CR 16/Fountain Road over I-95, CR 17/Ardick Road over I-95, CR 21/King Road over I-95 and SR-57/SR 99 over I-95) are not to be modified under this project. Design Exceptions for substandard horizontal clearances and Design Variances for substandard vertical clearances will be required for these bridges. These bridges will be replaced under a Phase 1A project that is to be completed during the construction of this NH-IM-95-1(121) project or immediately after. The two I-95 creek crossings (I-95 over King Swamp and I-95 over Youngs Swamp) are to be widened.

PDP Classification: Major X Minor _____
Federal Oversight: Full Oversight (X), Exempt (), State Funded (), or Other ()

Functional Classification: Principal Arterial (Rural Interstate)

U.S. Route Number(s): I-95 State Route Number(s): 405

Traffic (AADT) as shown in the approved concept:

Current Year: 45,100 (1998) Design Year: 67,300 (2018)

Existing features to be revised:

Delete Major Structure # 8: SR 57 over Youngs Swamp

Proposed features to be revised:

Revise Major Structure # 1: CR 16/Fountain Road over I-95, no modifications required, minimum proposed vertical clearance is 16.00'.

Revise Major Structure # 3: CR 17/Ardick Road over I-95, no modifications required, minimum proposed vertical clearance is 16.00'.

Revise Major Structure # 5: CR 21/King Road over I-95, no modifications required, minimum proposed vertical clearance is 16.00'.

Revise Major Structure # 6: SR 57/SR 99 over I-95, no modifications required, minimum proposed vertical clearance is 16.00'.

Delete Major Structure # 8: SR 57 over Youngs Swamp

Miscellaneous:

DESIGN EXCEPTIONS REQUIRED:

	YES	NO	UNDET.
SUBST. HORIZ. CLEARANCE	(x)	()	

Design exceptions are required for substandard horizontal clearance at the following major structures:

CR 16 (Fountain Road), 5'-8" proposed horizontal clearance

CR 17 (Ardick Road), 6'-4" proposed horizontal clearance

CR 21 (King Swamp Road), 6'-2" proposed horizontal clearance

SR 57/ SR 99, 6'-4" proposed horizontal clearance

DESIGN VARIANCES REQUIRED:

	YES	NO	UNDET.
SUBST. VERTICAL CLEARANCE	(x)	()	

Design variances are required for substandard vertical clearance at the following major structures:

CR 16 (Fountain Road), 16'-00" - 16'-6" minimum vertical clearance *

CR 17 (Ardick Road), 16'-00" - 16'-6" minimum vertical clearance *

CR 21 (King Swamp Road), 16'-00" - 16'-6" min. vertical clearance*

SR 57/ SR 99, 16'-00" - 16'-6" minimum vertical clearance*

* These clearances would be temporary. Phase 1A projects (yet to be programmed) will replace all of these structures during or immediately after construction of NH-IM-95-1(121).

Updated Traffic Data (AADT):

Current Year: 48,500 (2006)

Design Year: 71,000 (2026)

Programmed/Schedule:

P.E.: December, 2005

R/W: N/A

Construction: 2006

Revised Cost Estimates:

1. Construction cost, including inflation and E&C = \$39,062,915
2. Right of Way cost - \$0

Is the Project located in a Non-attainment area? Yes No

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

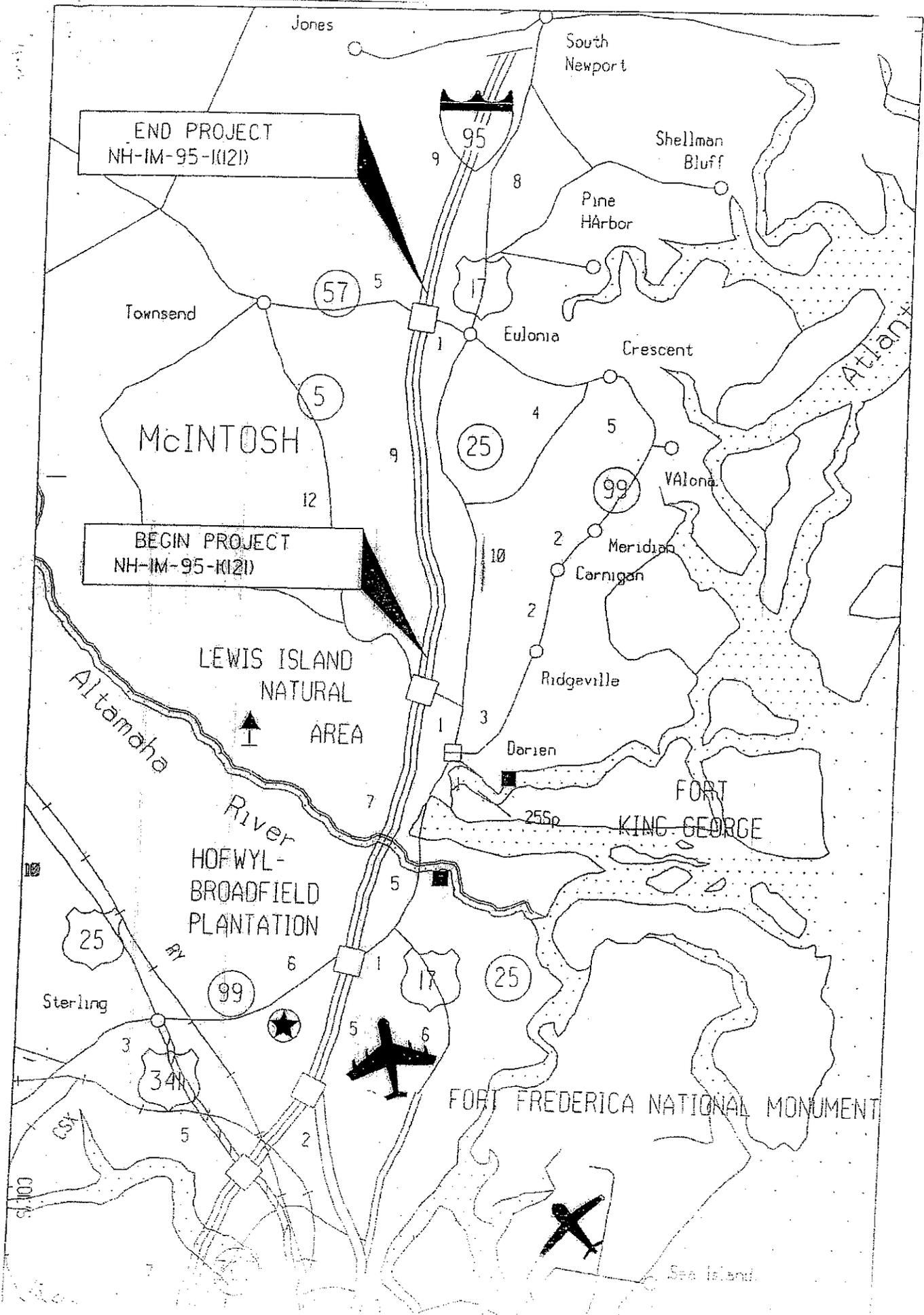
Attachments:

1. Sketch Map
2. Typical Sections
3. Construction Cost Estimate
4. Approved Revised Concept Report dated October 15, 2002
5. Approved Concept Report dated December 13, 1994

Concur: Buddy A. [Signature]
Director of Preconstruction

Approve: [Signature]
For: Division Administrator, FHWA

Approve: [Signature]
Chief Engineer



END PROJECT
NH-IM-95-I(12)

BEGIN PROJECT
NH-IM-95-I(12)

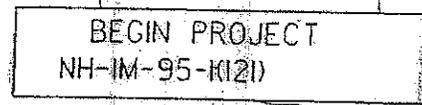
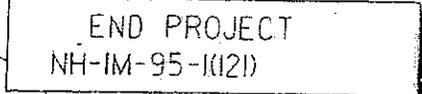
McINTOSH

LEWIS ISLAND
NATURAL
AREA

HOFWYL-
BROADFIELD
PLANTATION

FORT
KING GEORGE

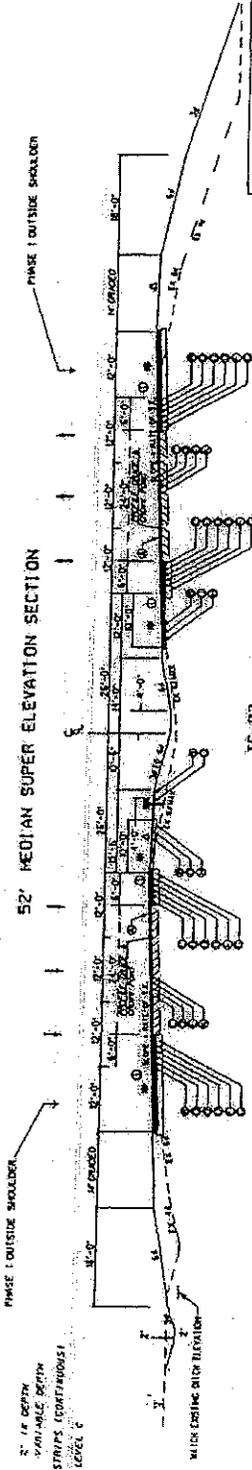
FORT FREDERICA NATIONAL MONUMENT



STATE	PROJECT NUMBER	SHEET NUMBER
GA.	KH-18-95-1(21)	3-4

**TYPICAL SECTIONS
EXISTING ASPHALT**

- REQUIRED PAVEMENT**
- ① ASPHALTIC CONCRETE 12.5 mm PM, POLYMER-MODIFIED, 155/17
 - ② ASPHALTIC CONCRETE 12.5 mm SUPERPAVE, 145/157
 - ③ ASPHALTIC CONCRETE 12.5 mm SMA/FINE, POLYMER-MODIFIED, 167/177
 - ④ ASPHALTIC CONCRETE 19 mm SUPERPAVE, 225/151
 - ⑤ ASPHALTIC CONCRETE 19 mm SMA/FINE, POLYMER-MODIFIED, 225/151
 - ⑥ ASPHALTIC CONCRETE 19 mm SUPERPAVE, 330/157
 - ⑦ ASPHALTIC CONCRETE 19 mm SMA/FINE, POLYMER-MODIFIED, 330/157
 - ⑧ GRADED AGGREGATE BASE, 1.5"
 - ⑨ GRADED AGGREGATE BASE, 4.0"/3.5"
 - ⑩ GRADED AGGREGATE BASE, 4"
 - ⑪ LEVELING AS RECCO
 - ⑫ 1/2" SAND, CONC. PAVT. VARIABLE DEPTH
 - ⑬ 1/2" SAND, CONC. PAVT. VARIABLE DEPTH
 - ⑭ GROUND IN PLACE RUMBLE STRIPS (CONTINUOUS)
 - ⑮ PAVT. SURCHARGE 317 DESIGN LEVEL C



TS-02
SUPERELEVATION SECTION
(FOR INFORMATION ONLY)

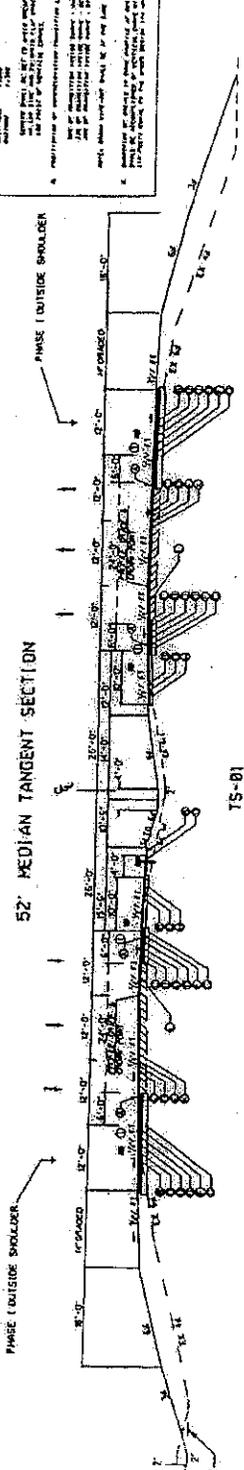
APPLIES TO:
STA. 298+00 TO STA. 304+76
STA. 391+53 TO STA. 546+32
STA. 583+40 TO STA. 754+00

ALLOWABLE RANGES TABLE

FOR THE PURPOSES OF THIS TABLE, THE FOLLOWING SHALL APPLY:

1. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
5. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
6. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
7. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
8. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
9. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.
10. ALL DIMENSIONS ARE TO THE CENTERLINE UNLESS OTHERWISE NOTED.

TS-01
TANGENT SECTION
(FOR INFORMATION ONLY)



TS-01
TANGENT SECTION
(FOR INFORMATION ONLY)

APPLIES TO:
STA. 298+00 TO STA. 304+76
STA. 391+53 TO STA. 546+32
STA. 583+40 TO STA. 754+00

VARIABLE	SLOPE	CONTROL
3:1	0'-10"	CUT
2:1	OVER 10'	ALL

- WATERPROOFING MEMBRANE IS REQ'D. SEE GEORGIA STANDARD SPEC 145.
- ALGEBRAIC DIFFERENCE IN PAVING AND SHOULDER SLOPES NOT TO EXCEED 0.85/FT
- ① ASPHALTIC CONCRETE 0.5" PER SHALL EXTEND 18 INCHES BEYOND THE TRAVEL LANE ON THE OUTSIDE AND 12 INCHES ON THE INSIDE.
- REMOVE EXISTING SOIL CEMENT ON ALL EXISTING SHOULDERS. REMOVAL SHALL BE INCLUDED IN THE COST OF GRADING COMPLETE.
- A SLOPE 1/2" / 1'-0" OR RATE OF S.E. WHICH EVER IS GREATER

TYPICAL SECTION
NOT TO SCALE

Estimate Report for file "NH-IM-95-1(121)"

Section ROADWAY ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	350000.00	TRAFFIC CONTROL -	350000.0
150-5000	74.00	EA	432.27	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	31987.98
153-1300	1.00	EA	51570.21	FIELD ENGINEERS OFFICE TP 3	51570.21
207-0203	490.00	CY	34.51	FOUND BK FILL MATL, TP II	16909.89
208-0100	300000.00	CY	5.74	IN PLACE EMBANKMENT	1722000.0
310-5060	112156.00	SY	6.77	GR AGGR BASE CRS, 6 INCH, INCL MATL	759296.12
310-5120	300566.00	SY	13.75	GR AGGR BASE CRS, 12 INCH, INCL MATL	4132782.5
400-3604	33194.00	TN	57.92	ASPH CONC 12.5 MM SMA, GP 2 ONLY, INCL POLYMER-MODIFIED	1922596.48
400-3624	29051.00	TN	55.54	ASPH CONC 12.5 MM PEM, GP 2 ONLY, INCL POLYMER-MODIFIED	1613492.54
402-1811	14360.00	TN	43.51	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL	624803.6
402-3121	66125.00	TN	36.68	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	2425465.0
402-3130	22461.00	TN	37.35	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	838918.35
402-3190	166332.00	TN	39.29	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	6535184.28
413-1000	82002.00	GL	0.96	BITUM TACK COAT	78721.92
432-0208	236374.00	SY	0.84	MILL ASPH CONC PVMT, 2 IN DEPTH	198554.16
433-1000	2415.00	SY	149.06	REINF CONC APPROACH SLAB	359979.9
446-3000	201880.00	LF	3.81	PVMT REINF FABRIC STRIPS, SELF ADHESIVE	769162.8
456-2003	38.00	MI	535.37	INDENTATION RUMBLE STRIPS, 3 FT WIDTH	20344.06
500-3101	325.00	CY	460.19	CLASS A CONCRETE	149561.75
511-1000	29991.00	LB	0.71	BAR REINF STEEL	21293.61
550-1150	1710.00	LF	21.99	STORM DRAIN PIPE, 15 IN, H 1-10	37602.89
550-1180	70.00	LF	28.01	STORM DRAIN PIPE, 18 IN, H 1-10	1960.7
550-1240	600.00	LF	33.12	STORM DRAIN PIPE, 24 IN, H 1-10	19872.0
550-1300	320.00	LF	42.73	STORM DRAIN PIPE, 30 IN, H 1-10	13673.59
550-1360	180.00	LF	50.81	STORM DRAIN PIPE, 36 IN, H 1-10	9145.80
550-3315	57.00	EA	753.61	SAFETY END SECTION 15 IN, STORM DRAIN, 4:1 SLOPE	42955.77
550-3318	6.00	EA	643.70	SAFETY END SECTION 18 IN, STORM DRAIN, 4:1 SLOPE	3862.20
550-3324	12.00	EA	873.39	SAFETY END SECTION 24 IN, STORM DRAIN, 4:1 SLOPE	10480.68
550-3336	12.00	EA	2006.28	SAFETY END SECTION 36 IN, STORM DRAIN, 4:1 SLOPE	24075.36
573-2006	3700.00	LF	11.52	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	42624.0
574-0206	87840.00	LF	10.78	EDGEDRAIN PIPE, INCL BK FILL MATL & FILTER FABRIC 6 IN	946915.2
621-4071	160.00	LF	178.98	CONCRETE SIDE BARRIER, TYPE 7C, MODIFIED	28636.8
632-0003	4.00	EA	9952.66	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	39810.64
641-1100	240.00	LF	29.87	GUARDRAIL, TP T	7168.8
641-1200	6254.00	LF	12.66	GUARDRAIL, TP W	79175.64
641-2200	41746.00	LF	15.07	DBL FACED GUARDRAIL, TP W	629112.22
641-5001	43.00	EA	453.70	GUARDRAIL ANCHORAGE, TP 1	19509.1
641-5012	51.00	EA	1452.62	GUARDRAIL ANCHORAGE, TP 12	74083.62
643-4000	6100.00	LF	4.02	WOVEN WIRE FENCE	24521.99
643-8040	8.00	EA	400.00	GATE, WOVEN WIRE -	3200.0
668-2105	65.00	EA	3341.71	DROP INLET, GP 1, SPCL DES	217211.15
900	Lump	1	1296000.00	SIGNING AND MARKING	1296000.0
Section Sub Total:					\$26,194,223.34

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0300	5.00	EA	1119.64	CONSTRUCTION EXIT	5598.20
163-0503	65.00	EA	470.28	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3	30568.19
				CONSTRUCT AND REMOVE TEMPORARY PIPE	

163-0520	1200.00	LF	12.13	SLOPE DRAIN	14556.00
163-0521	6000.00	EA	144.67	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	868019.99
171-0010	42290.00	LF	1.82	TEMPORARY SILT FENCE, TYPE A	76967.8
171-0030	58395.00	LF	3.10	TEMPORARY SILT FENCE, TYPE C	181024.5
Section Sub Total:					\$1,176,734.70

Section PERMANENT EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
441-0204	1200.00	SY	26.29	PLAIN CONC DITCH PAVING, 4 IN	31548.0
441-0206	300.00	SY	32.68	PLAIN CONC DITCH PAVING, 6 IN	9804.0
700-6910	130.00	AC	763.82	PERMANENT GRASSING	99296.6
700-7010	325.00	GL	18.81	LIQUID LIME	6113.25
700-8000	117.00	TN	249.21	FERTILIZER MIXED GRADE	29157.57
700-8100	6500.00	LB	1.43	FERTILIZER NITROGEN CONTENT	9295.0
Section Sub Total:					\$185,214.42

Section MISCELLANEOUS

Item Number	Quantity	Units	Unit Price	Item Description	Cost
682-6224	1.00	LF	5.65	CONDUIT, NONMETL, TP 2, 4 IN	5.65
682-6540	1500.00	LF	45.10	CONDUIT, FIBERGLASS, 4 IN	67650.0
682-7040	101400.00	LF	13.60	MULTI-CELL CONDUIT SYS, 4-WAY, SCH 40 PVC	1379040.0
682-9028	206.00	EA	3942.24	ELECTRICAL COMMUNICATION BOX, TP 5	812101.44
Section Sub Total:					\$2,258,797.09

Section BRIDGES

Item Number	Quantity	Units	Unit Price	Item Description	Cost
999-0001	1.00	EA	1075170.00	I-95 over Kings Swamp	1075170.0
999-0002	1.00	EA	2930566.00	I-95 Over Youngs Swamp Creek	2930566.0
Section Sub Total:					\$4,005,736.00

Total Estimated Cost: \$33,820,705.55

Subtotal Construction Cost	\$33,820,705.55
E&C Rate 10.0 %	\$3,382,070.55
Inflation Rate 5.0 % @ 1.0 Years	\$1,860,138.81
Total Construction Cost	\$39,062,914.91
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
Grand Total Project Cost	\$39,062,914.91

Revised Concept Report for NH-IM-95-1(121)

dated 10/15/02

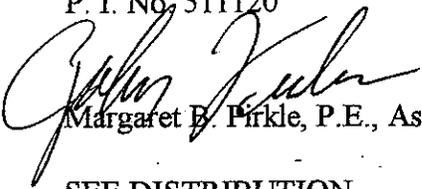
ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-IM-95-1(121) McIntosh County **OFFICE** Preconstruction
P. I. No. 511120 **DATE** October 15, 2002

FROM  Margaret B. Finkle, P.E., Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT REVISED PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Jerry Hobbs
Herman Griffin
Michael Henry
Phillip Allen
Marta Rosen
Ben Buchan

Gary Priester
FHWA
BOARD MEMBER

REVISED PROJECT CONCEPT REPORT

NH-IM-95-1(121)
P.I. Number 511120
McIntosh County

Need and Purpose: *No Change Required. (See attached approved Concept Report dated September 7, 1994.)*

Project location: Widening and reconstruction of I-95 from the end of Project NH-IM-95-1(120) McIntosh County (Mile Point 4.53) north to just north of the SR 57 interchange (Mile Point 13.94), all in McIntosh County. The gross length of the project is 9.41 miles. This widening and reconstruction is proposed to be constructed in two phases. Project NH-IM-95-1(137) represents the second phase of this widening and will have the same project limits.

Description of the approved concept: *(See attached approved Concept Report dated December 13, 1994)*

PDP Classification: Major X Minor _____

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

Functional Classification: Principal Arterial (Rural Interstate)

U. S. Route Number(s): I-95 **State Route Number(s):** 405

Traffic (AADT) as shown in the approved concept:

Current Year: 45,100 (1998) Design Year: 67,300 (2018)

Proposed features to be revised: The approved Concept Report lists four bridges that will be replaced in Phase I of this project. These bridges will now be jacked in Phase I and replaced in Phase II.

Describe the revised feature(s) to be approved: The four bridges that the approved Concept Report lists as being replaced in Phase I are CR 16/King Swamp Road Overpass, CR 17/Ardock Road Overpass, CR 21/King Road Overpass, and SR 57/SR 99 Overpass. These four bridges will be jacked to accommodate the asphaltic overlay on I-95 during Phase I construction. These four bridges will be replaced as part of the Phase II construction. Also, there will be no Right-of Way purchased for Phase I of this project.

Updated traffic data (AADT):

Current Year: 48,500 (2007) Design Year: 71,000 (2027)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-IM-95-1(121) McIntosh County **OFFICE** Road Design
PI No. 511120 **DATE** August 28, 2002

FROM Gerald M. Ross, P.E., State Road & Airport Design Engineer *GRS*

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

SUBJECT Revised Project Concept Report

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

The approved Concept Report lists four bridges that will be replaced in Phase I of this project. These bridges will now be jacked in Phase I and replaced in Phase II. The four bridges that the approved Concept Report lists as being replaced in Phase I are CR 16/King Swamp Road Overpass, CR 17/Ardock Road Overpass, CR 21/King Road Overpass, and SR 57/SR 99 Overpass. These four bridges will be jacked to accommodate the asphaltic overlay on I-95 during Phase I construction. These four bridges will be replaced as part of the Phase II construction. Also, there will be no Right-of-Way purchased for Phase I for this project.

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).

GMR:JMD:DAN:ss

Attachments

Marta Rosen

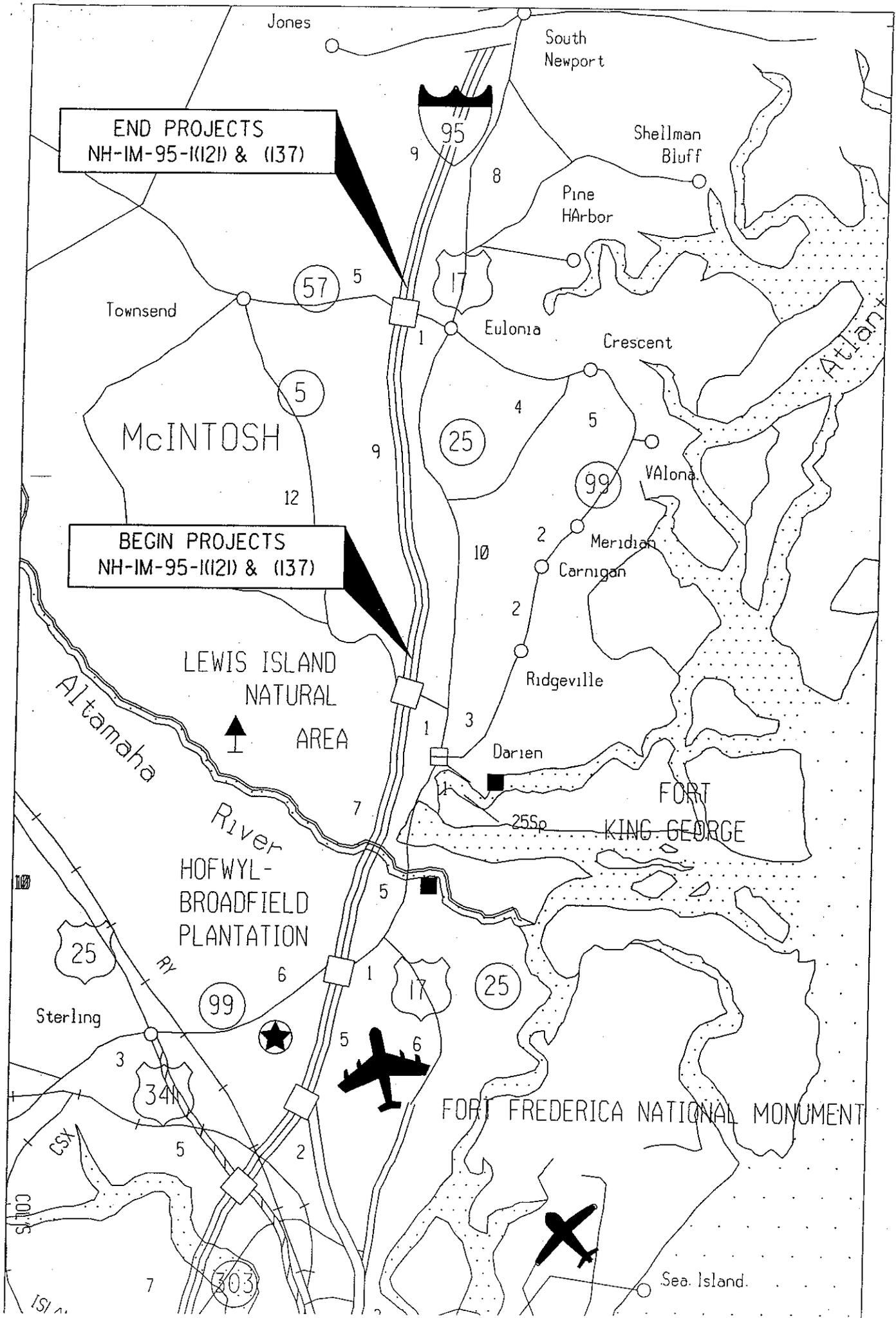
State Transportation Planning Administrator

9-17-02

Date

247

cc: David Mulling w/att.
Harvey Keepler w/att.
Phillip Allen w/att.
Marta Rosen w/att.
Herman Griffin w/att.
Gary Priester w/att.
Paul Liles w/att.



END PROJECTS
NH-IM-95-I(121) & (137)

BEGIN PROJECTS
NH-IM-95-I(121) & (137)

Jones

South
Newport

Shellman
Bluff

Pine
Harbor

Townsend

Eulonia

Crescent

McINTOSH

Valona

BEGIN PROJECTS
NH-IM-95-I(121) & (137)

LEWIS ISLAND
NATURAL
AREA

Meridian
Carnigan

Ridgeville

Darien

FORT
KING GEORGE

HOFWYL-
BROADFIELD
PLANTATION

25

99

17

25

Sterling

34

FORT FREDERICA NATIONAL MONUMENT

Sea Island

Atlantic



Original Concept Report for NH-IM-95-1(121)

and (137) dated 12/13/94

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

rec'd. 12-19-
MGR
Kevin

INTERDEPARTMENT CORRESPONDENCE

FILE NH-95-1(121) McIntosh County OFFICE Atlanta, GA
NH-IM-95-1(137) McIntosh County
P.I. Nos. 511120, 511125 DATE December 13, 1994

FROM *Jim Kennerly*
James A. Kennerly, State Road & Airport Design Engineer WLA

TO Bobby Mustin, P.E., Project Review Engineer

SUBJECT Concept Report Approval

Attached for further processing is the Project Concept Report on the above projects.

JAK:MGR
Attachments

xc: John Lively
David Studstill, w/att
Marion Waters, w/att
Wayne Hutto
Craig Brack, w/att
Toni Dunagan, w/att
Herman Griffin, w/att
Paul Liles, w/att



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
OFFICE OF ROAD AND AIRPORT DESIGN

PROJECT CONCEPT REPORT

NH-95-1 (121) PH. I
NH-IM-95-1 (137) PH. II
McINTOSH COUNTY

*LAST UPDATE
11-4-94*

FEDERAL ROUTE NO: I-95
STATE ROUTE NO: 405
GADOT P.I. NO: 511120, 511125

Date of Report: OCTOBER 24, 1994

RECOMMENDATION FOR APPROVAL

DATE _____ State Road & Airport Design Engineer

DATE _____ State Environmental Engineer

DATE _____ State Traffic Operations Engineer

DATE _____ District Engineer

DATE _____ State Bridge Engineer

PROJECT LOCATION & DESCRIPTION

Project NH-95-1(121) / P.I. No. 511120 is the widening and reconstruction of I-95 from the end of project NH-95-1(120) McIntosh County, just north of the SR 251 interchange, north to the beginning of project NH-95-1(122) McIntosh County, just north of the SR 57 interchange, all in McIntosh County. The Gross length of the project is 15.14 km (9.41 miles). This widening and reconstruction is proposed to be constructed in two phases.

PHASE I - ROADWAY

Widen 15.14 km (9.41 miles) of existing four lane interstate freeway, two lanes each direction separated by a 19.5m (64 foot) depressed grassed median, to a six lane interstate freeway separated by a 15.9m (52.2 foot) depressed grassed median. Opposing traffic will be protected with double-faced guardrail in the median. This widening is to be accomplished by building 1/2 lane, 1.8m (5.9 feet), in the median each direction and a 3.6m (11.8 foot) shoulder, 3.0m (9.8 feet) paved, in one direction only. The shoulder in the other direction will be a 4.7m (15.4 foot) shoulder, 3.6m (11.8 foot) paved, to accommodate the double-faced guardrail. On the outside of the existing lanes, it is proposed to add 1/2 lane, 1.7m (5.6 feet), plus a 3.6m (11.8 foot) full depth paved shoulder which shall be used for stage construction and traffic control in Phase I and as the future fourth lane when Phase II is implemented. Also grading for the future Phase II outside shoulder is proposed. In addition, about 2633m (1.64 miles) of split median exists just north of SR 251 at this project. The widening in this section will be accomplished similar to the above, but adding one full lane 3.6m (11.8 feet) to the inside and a 3.6m (11.8 foot) full depth paved shoulder to the outside. The inside shoulder in both directions will be 3.6 (11.8 feet), 3.0m (9.8 feet) paved, since no guardrail will be required. Full Phase II grading will also be accomplished.

Interchange modifications are proposed for the SR 57/SR 99 interchange. Due to a 3.66m (12 foot) lateral clearance from the edge of the existing I-95 lanes to the face of the bridge columns, it will be necessary to replace the SR 57/SR 99 overpass. The new SR 57/SR 99 bridge and intersection will be constructed to carry 4 lanes of traffic with a 6.1m (20 foot) raised concrete median, and curb and gutter for future capacity and ease of staging. This will result in rebuilding about 762m (2500 feet) of SR 57/SR 99 and adjusting each of the ramp intersections. This work should require only minor right-of-way or easements and will be stage constructed under traffic. In addition, some bridge jacking of the SR 57 bridge over Youngs Swamp will be required to accommodate the proposed grade of SR 57/SR 99 over I-95.

Bridge replacements are also proposed for the CR 16, CR 17, and CR 21 overpass locations due to the substandard 3.66m (12 foot) lateral clearance from the edge of the existing I-95 lanes to the face of the bridge columns. The CR 16 overpass is proposed to be closed during its replacement due to very low traffic volumes. CR 17 will be realigned in order to construct the new overpass parallel to the existing overpass at approximately 9.14m (30 feet) to the north. This will result in rebuilding about 780.4m (2560 feet) of CR 17. This work should require only minor right-of-way or easements and will be stage constructed under traffic. The CR 21 roadway and overpass will also be realigned with the new bridge constructed parallel to the existing overpass and approximately 9.14m (30 feet) to the south. This will result in rebuilding about 472.4m (1550 feet) of CR 21 and moving the intersection point with US 17 about 15.2m (50 feet) to the south.

PHASE II - ROADWAY

Pave 3.6m (11.8 feet) of the 4.2m (13.8 foot) outside graded shoulder to be used as the outside paved shoulder. Project NH-IM-95-1(137) represents the Phase II construction necessary to provide the fourth lane in each direction and will provide the necessary capacity for the design year.

PHASE I - BRIDGES

There are two parallel bridge locations on this project over King Swamp and Youngs Swamp. Each bridge is proposed to be widened 5.25m (17.25 feet) to the inside and 7.53m (24.75 feet) to the outside. For the King Swamp location, each bridge will have a total width of 22.8m (74.8 feet) gutter to gutter, 23.7m (77.8 feet) overall, while the southbound bridge for the Youngs Swamp location will have a total width of 28.8m (94.6 feet) gutter to gutter, 29.8m (97.6 feet) overall, and the northbound bridge will have a total width of 33.6m (110.3 feet) gutter to gutter, 34.5m (113.3 feet) overall. Each bridge will have four 3.6m (11.8 foot) travel lanes with 4.2m (13.8 feet) inside and outside shoulders, so they will accommodate Phase II without additional work. In addition, four overpass bridge locations will be replaced at CR 16, CR 17, CR 21, and SR 57/SR 99. Each county road overpass will have two 3.6m (11.8 foot) travel lanes with 3.0m (9.9 foot) outside shoulders for a total width of 13.2m (43.4 feet) gutter to gutter, and 14.2m (46.4 feet) overall. The SR 57/SR 99 overpass will carry four 3.6m (11.8 foot) travel lanes with a 6.1m (20 foot) raised concrete median and 2.4m (7.9 foot) outside shoulders for a total overall width of 26.3m (86.4 feet).

There is also one bridge culvert location on this project at Kidd Island Swamp, (Quad 10' x 4'). This culvert is proposed to be extended about 7.6m (25 feet) on both ends to accommodate Phase I and Phase II widening.

PHASE II - BRIDGES

No additional bridge work will be required under this phase.

COMMENTS

A six lane interstate facility will be required for the I-95 basic freeway segment to function at level of service "C" until the design year of 2018. An eight lane facility will be required after year 2008 to maintain a level of service "B".

YEAR	<u>TRAFFIC</u>		YEAR	AADT
	CURRENT	AADT		
1998		45,100	2018	67,300

PDP CLASSIFICATION

MINOR / EXISTING

FUNCTIONAL CLASSIFICATION

PRINCIPAL ARTERIAL (Rural Interstate)

NON-CA (X)

CA ()

EXEMPT ()

PROJECT NEED & PURPOSE

I-95 is a major high speed transportation corridor serving the Eastern seaboard of the United States. It is a major corridor for the movement of goods and people between Florida and the Northeast. The traffic volumes on I-95 in Georgia have increased to a point where additional capacity is needed in each direction to enhance safety and relieve congestion on the existing facility. The additional lanes will provide the needed lane capacity and greatly enhance safety while lessening congestion created by the platooning of vehicles.

EXISTING ROADWAY

TYPICAL SECTION:	4-lane rural interstate 19.5m (64 foot) median Asphalt pavement	R/W WIDTH (TYP) 91.3m (300 feet)
	4-lane rural interstate 57.9m (190 foot) split median Asphalt pavement 2633m (8640 feet) long	R/W varies to 420 feet total width

POSTED SPEED	MIN RADIUS OF CURVE	MAX GRADE
105 kph (65 mph)	5240.5m (17,188.73 feet)	1.93%

MAJOR STRUCTURES:

1. CR 16/King Swamp Road Overpass - 92.7m (304 feet) x 9.4m (30.7 feet), sfr. 68.9, Steel WF Beam.
2. I-95 over King Swamp - NBL 29.3m (96 feet) x 12.3m (40.3 feet), SBL 29.3m (96 feet) x 12.3m (40.3 feet), sfr. 96.7, Concrete "T" Beam.
3. CR 17/Ardock Road Overpass - 74.4m (244 feet) x 9.4m (30.7 feet), sfr. 66.9, Steel WF Beam.
4. I-95 over Kidd Island Swamp culvert - 50.0m (164 feet) x 12.2m (40 feet), 4 barrels (10 feet x 4 feet), sfr. 76.8, Reinforced concrete box.
5. CR 21/King Road Overpass - 78.4m (257 feet) x 9.4m (30.7 feet), sfr. 64.4, Steel WF Beam.
6. SR 57/SR 99 - 72.0m (236 feet) x 10.6m (34.75 feet), sfr. 80.7, Steel WF Beam.
7. I-95 over Youngs Swamp - NBL 76.8m (252 feet) x 21.7m (71.3 feet), SBL 76.8m (252 feet) x 17.0m (55.6 feet), sfr. 96.7, Concrete "T" Beam.
8. SR 57 over Youngs Swamp - 65.9m (216 feet) x 15.9m (52 feet), sfr. 68.0, Steel Beam.

PROPOSED ROADWAY

PHASE I TYPICAL SECTION: 6 lane rural with a 15.9m (52.2 foot) median.

6 lane rural with a 54.3m (178.2 foot) split median.

PHASE II TYPICAL SECTION: 8 lane rural with a 15.9m (52.2 foot) median.

DESIGN SPEED	MIN RADIUS OF CURVE	MAX GRADE
113 kph (70 mph)	ALLOWABLE: 581.2m (3.0 deg)	ALLOWABLE: 3.00%
	PROPOSED: 5240.5m (0.33 deg)	PROPOSED: 1.93%

MAJOR STRUCTURES:

PHASE I

1. CR 16/King Swamp Road Overpass - Replace existing bridge with new 92.7m (304 feet) x 9.4m (30.7 feet) bridge.
2. I-95 over King Swamp - Widen NBL to 29.3m (96 feet) x 23.7m (77.8 feet), and SBL to 29.3m (96 feet) x 23.7m (77.8 feet).
3. CR 17/Ardock Road Overpass - Replace existing bridge with new 74.4m (244 feet) x 9.4m (30.7 feet) bridge.
4. I-95 over Kidd Island Swamp culvert - Retain existing and extend to 65.2m (214 feet) x 12.2 m (40 feet), 4 barrels (10 feet x 4 feet).
5. CR 21/King Road Overpass - Replace existing bridge with new 78.4m (257 feet) x 9.4m (30.7 feet) bridge.
6. SR 57/SR 99 overpass- Replace existing bridge with new bridge 72.0m (236 feet) x 25.6m (87 feet).
7. I-95 over Youngs Swamp - Widen NBL to 76.8 (252 feet) x 34.5m (113.3 feet), and SBL to 76.8m (252 feet) x 29.8m (97.6 feet).
8. SR 57 over Youngs Swamp - Jack bridge to accommodate proposed grade at SR 57/SR 99 interchange.

PHASE II - No additional bridge work required.

PROPOSED RIGHT OF WAY

REQUIRED R/W WIDTH:

PHASE I: R/W and/or easements may be required for modifications at CR 17, CR 21, and SR 57/SR 99 overpasses.

PHASE II: No additional R/W will be required.

ESTIMATED NUMBER OF PARCELS: PHASE I - 10, PHASE II - 0.

TYPE OF ACCESS CONTROL: Limited

COORDINATION

CONCEPT TEAM MEETING DATE: June 9, 1993

LOCATION INSPECTION DATE: None

PERMITS REQUIRED (C.O.E. ,404, etc.): Not Determined

LEVEL OF PUBLIC INVOLVEMENT: None

TIME SAVING PROCEDURES APPROPRIATE: Yes

OTHER PROJECTS IN THE AREA: NH-95-1(120) McIntosh joins this project to the south and is the widening and reconstruction of I-95 from the South Altamaha River at the Glynn-McIntosh County line, north to just north of the SR 251 interchange in McIntosh County. NH-95-1(122) McIntosh joins this project on the northern end and extends north to the McIntosh-Liberty County line and is the widening and reconstruction of I-95.

ALTERNATIVES CONSIDERED

1. NO BUILD
 2. Alternate as proposed.
-

MISCELLANEOUS

TRAFFIC CONTROL DURING CONSTRUCTION: Project to be built under traffic, stage construction required.

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

DESIGN VARIATIONS REQUIRED:

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	()	(x)	()
SUBST ROADWAY WIDTH	()	(x)	()
SUBST SHOULDER WIDTH	()	(x)	()
SUBST VERT GRADES	()	(x)	()
SUBST CROSS SLOPES	()	(x)	()
SUBST STOPPING SIGHT DIST	()	(x)	()
SUBST SUPERELEV RATES	()	(x)	()
SUBST HORIZ CLEARANCE	()	(x)	()
SUBST SPEED DESIGN	()	(x)	()
SUBST VERTICAL CLEARANCE	()	(x)	()
SUBST BRIDGE WIDTH	()	(x)	()
SUBST BR STRUCT CAPACITY	()	(x)	()

UNDERGROUND STORAGE TANKS: None

HAZARDOUS WASTE SITES: None

ESTIMATED COST

<u>PHASE I NH-95-1(121)</u>		<u>PHASE II NH-IM-95-1(137)</u>	
RIGHT-OF-WAY	: \$ 9,455	RIGHT-OF-WAY	: \$ 0
ACQUIRED BY	: DOT	ACQUIRED BY	: NA
UTILITIES	: \$ LGPA	UTILITIES	: \$ LGPA
CONSTRUCTION	: \$ 22,005,915 24,533,364	CONSTRUCTION	: \$ 1,752,961 2,172,649
E & C (10%)	: \$ 2,200,592 2,453,336	E & C (10%)	: \$ 175,29 217,265
INFLATION (5%)	: \$ 1,210,325 1,349,335	INFLATION (5%)	: \$ 578,478 119,496
TOTAL PROJECT COSTS: \$ 28,345,490		TOTAL PROJECT COSTS: \$ 2,506,735	
		PHASE I - NH-95-1(121)	
		PHASE II - NH-IM-95-1(137)	

ATTACHMENTS: COST ESTIMATE, TYPICAL SECTIONS, MINUTES OF CONCEPT TEAM MEETING, AND PREPROGRAMMING AUTHORIZATION.

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: NH-95-1(121), NH-IM-95-1(137) COUNTY: McIntosh

DATE: 10-24-94

ESTIMATED LETTING DATE: Long Range

PREPARED BY: Lynn Wood

PROJECT LENGTH: 15.14 km (9.41 miles)

() PROGRAMMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJ DEV.

PROJECT COST

	<u>PHASE I</u>	<u>PHASE II</u>
A. RIGHT-OF-WAY:		
1. PROPERTY (Land & Easement)_____ \$	6,100	\$ 0
2. DISPLACEMENTS: Res.0 Bus.0 M.H.0___ \$	0	\$ 0
3. OTHER COST (adm./court, inflation)_____ \$	3,355	\$ 0
SUBTOTAL:A	\$ 9,455	\$ 0
B. REIMBURSABLE UTILITIES:		
1. RAILROAD_____ \$	0	\$ 0
2. TRANSMISSION LINES_____ \$	0	\$ 0
3. SERVICES_____ \$	0	\$ 0
SUBTOTAL:B	\$ LGPA	\$ LGPA

PHASE I

PHASE II

C. CONSTRUCTION:

1. MAJOR STRUCTURES:

a. RETAINING WALLS_____	\$	0	\$	0
b. BRIDGES				
1. CR 16/ King Swamp Rd Overpass____	\$	869,440	\$	0
(304'x 44' x \$65/sf)				
2. I-95 over King Swamp_____	\$	524,160	\$	0
(NBL - 96' x 42' x \$65/sf)				
(SBL - 96' x 42' x \$65/sf)				
3. CR 17/ Ardock Rd Overpass_____	\$	697,840	\$	0
(244' x 44' x \$65/sf)				
4. CR 21/ King Rd Overpass_____	\$	735,020	\$	0
(257' x 44' x \$65/sf)				
5. SR 57/SR 99 Overpass_____	\$	1,325,376	\$	0
(236' x 86.4' x \$65/sf)				
6. I-95 over Youngs Swamp_____	\$	1,375,920	\$	0
(NBL - 252' x 42' x \$65/sf)				
(SBL - 252' x 42' x \$65/sf)				
c. DETOUR BRIDGES_____	\$	0	\$	0
d. BOX CULVERTS				
1. I-95 over King Swamp_____	\$	24,252	\$	0
(Dbl. 7' x 4')				
(8400 lbs x \$ 0.38/lb)				
(81 cy x \$ 260/cy)				
2. I-95 over Kidd Island Swamp_____	\$	68,000	\$	0
(Two Dbl.'s 10' x 4')				
(25,000 lbs x \$ 0.38/lb)				
(225 cy x \$ 260/cy)				
SUBTOTAL: C-1		\$ 5,620,008	\$	0

2. GRADING AND DRAINAGE:

a. EARTHWORK				
1. Unclass. Exc. - 393300CY x \$2.00_	\$	787,000	\$	0
2. Borrow Exc. - 561000CY x \$6.00_	\$	3,366,000	\$	0
3. Unclass. Exc. - 46750CY x \$2.00_	\$	0	\$	93,500
b. DRAINAGE_____	\$120,000/mi x 9.35mi	\$ 1,122,000	\$	0
SUBTOTAL: C-2		\$ 5,275,000	\$	93,500

3. BASE AND PAVING:

	<u>PHASE I</u>	<u>PHASE II</u>
a. AGGREGATE BASE		
Graded Aggr Base - 234237T x \$10.79	\$ 2,527,417	\$ 0
38896T x \$10.79	\$ 0	\$ 419,688
b. ASPHALT PAVING		
0.75" D - 2272T x \$34.18	\$ 77,657	\$ 0
1.50" Fine SMA - 20103T x \$44.90	\$ 902,625	\$ 0
2.00" B - 43357T x \$32.25	\$ 1,398,263	\$ 0
13324T x \$32.25	\$ 0	\$ 429,700
1.50" E - 11912T x \$30.79	\$ 366,770	\$ 0
9864T x \$30.79	\$ 0	\$ 303,713
Asph. Base - 78728T x \$28.43	\$ 2,238,237	\$ 0
Bitum. Tack - 31423G x \$0.67	\$ 21,053	\$ 0
4123G x \$0.67	\$ 0	\$ 2,762
c. ASPHALT OVERLAY		
0.75" D - 6947T x \$34.18	\$ 237,448	\$ 0
2188T x \$34.18	\$ 0	\$ 74,786
1.50" Fine SMA - 20374T x \$44.90	\$ 914,793	\$ 0
2.00" B - 27900T x \$32.25	\$ 899,775	\$ 0
Leveling - 16914T x \$26.42	\$ 446,868	\$ 0
Bitum. Tack - 17288T x \$0.67	\$ 11,583	\$ 0
d. OTHER	\$ 0	\$ 0
SUBTOTAL: C-3	\$ 10,047,489 \$ 7,515,040	\$ 1,230,649 \$ 810,961

4. LUMP ITEMS:

a. TRAFFIC CONTROL	\$ 300,000	\$ 150,000
b. CLEARING AND GRUBBING \$4000/AC	\$ 856,000	\$ 508,000
c. LANDSCAPING	\$ 0	\$ 0
d. EROSION CONTROL	\$ 53,000	\$ 72,000
e. DETOURS	\$ 0	\$ 0
SUBTOTAL: C-4	\$ 1,209,000	\$ 730,000

ESTIMATE SUMMARY

	<u>PHASE I</u>	<u>PHASE II</u>
A. RIGHT-OF-WAY	\$ 9,455	\$ 0
B. REIMBURSABLE UTILITIES	\$ LGPA	\$ LGPA
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$ 5,620,008	\$ 0
2. GRADING AND DRAINAGE	\$ 5,275,000	\$ 93,500
3. BASE AND PAVING	\$ 7,515,040 ^{10,042,489}	\$ 810,961 ^{1,230,649}
4. LUMP ITEMS	\$ 1,209,000	\$ 730,000
5. MISCELLANEOUS	\$ 2,386,867	\$ 118,500
6. SPECIAL FEATURES	\$ 0	\$ 0
SUBTOTAL CONSTRUCTION COST	\$ 22,005,915 ^{24,533,364}	\$ 1,752,961 ^{2,172,649}
E. & C. (10%)	\$ 2,200,592 ^{2,453,336}	\$ 175,296 ^{217,265}
INFLATION (5% PER YEAR)	\$ 1,210,325 ^{1,349,335}	\$ 578,478 ^{119,196}
TOTAL CONSTRUCTION COST	\$ 25,416,832 ^{28,336,035}	\$ 2,506,735 ^{2,509,410}
<u>GRAND TOTAL PROJECT COST</u>	\$ 25,426,287 ^{28,345,490}	\$ 2,506,735 ^{9,410}