

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P.I. No. M003308, Carroll County **OFFICE** Preconstruction
CSNHS-M003-00(308)
I-20 Pavement Reconstruction **DATE** January 31, 2007

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

TO SEE DISTRIBUTION

SUBJECT APPROVED NOTICE OF LOCATION AND DESIGN

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

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

GRS/cj

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Jamie Simpson
Paul Liles
Keith Golden
Ken Thompson
Angela Alexander (file copy)
Babs Abubakari
Brent Story

BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

JAN 18 2007

INTERDEPARTMENT CORRESPONDENCE

FILE: CSNHS-M003-00(308), Carroll County OFFICE: Road Design
P.I. #M003308
I-20 Pavement Reconstruction DATE: January 17, 2007

FROM: *Brent A. Story* *anc*
Brent A. Story, P.E., State Road & Airport Design Engineer

TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

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

Description:

This project is located within Carroll County. The project scope is to replace the pavement of the two existing travel lanes, which consist of concrete pavement, with full depth Continuous Reinforced Concrete. The outside shoulder will be replaced with full depth Hot Mix Asphaltic Concrete Superpave; while the inside shoulder will be replaced with standard depth Hot Mix Asphalt. The project will also upgrade the guardrail to current standards, and all vegetation will be cleared according to the current guidelines on both eastbound and westbound lanes of I-20/SR 402 from MP 11.81 SR 1/US 27 to MP 23.62 SR61 in Carroll County.

Estimated Cost:	Current	Approved
Construction (incl. E/C)	\$ 81,032,867.00	\$ 78,462,000.00
Right-of-Way	\$ 0.00	\$ 0.00
Utilities	\$ 0.00	\$ 0.00

Concept Approval Date: The Project Concept Approval date was May 24, 2005.

Concept Update: The project typical section was changed from a full depth Continuous Reinforced Concrete outside shoulder to a full depth Hot Mix Asphaltic Concrete Superpave outside shoulder with milled rumble strips.

Environmental Assessment and Reassessment Approval Date: A Categorical Exclusion was prepared and approved for this project on June 8, 2006.

Public Involvement: A Public Hearing Open House was not required for this project.

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

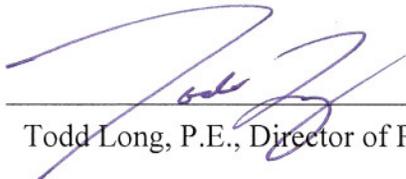
Recommendations: The Office of Road Design recommends that the location and design for project CSNHS-M003-00(308) be approved and that the attached "Notice" be approved for advertising.

BAS:CAC:TM:ss

Attachments:

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

RECOMMEND:



Todd Long, P.E., Director of Preconstruction

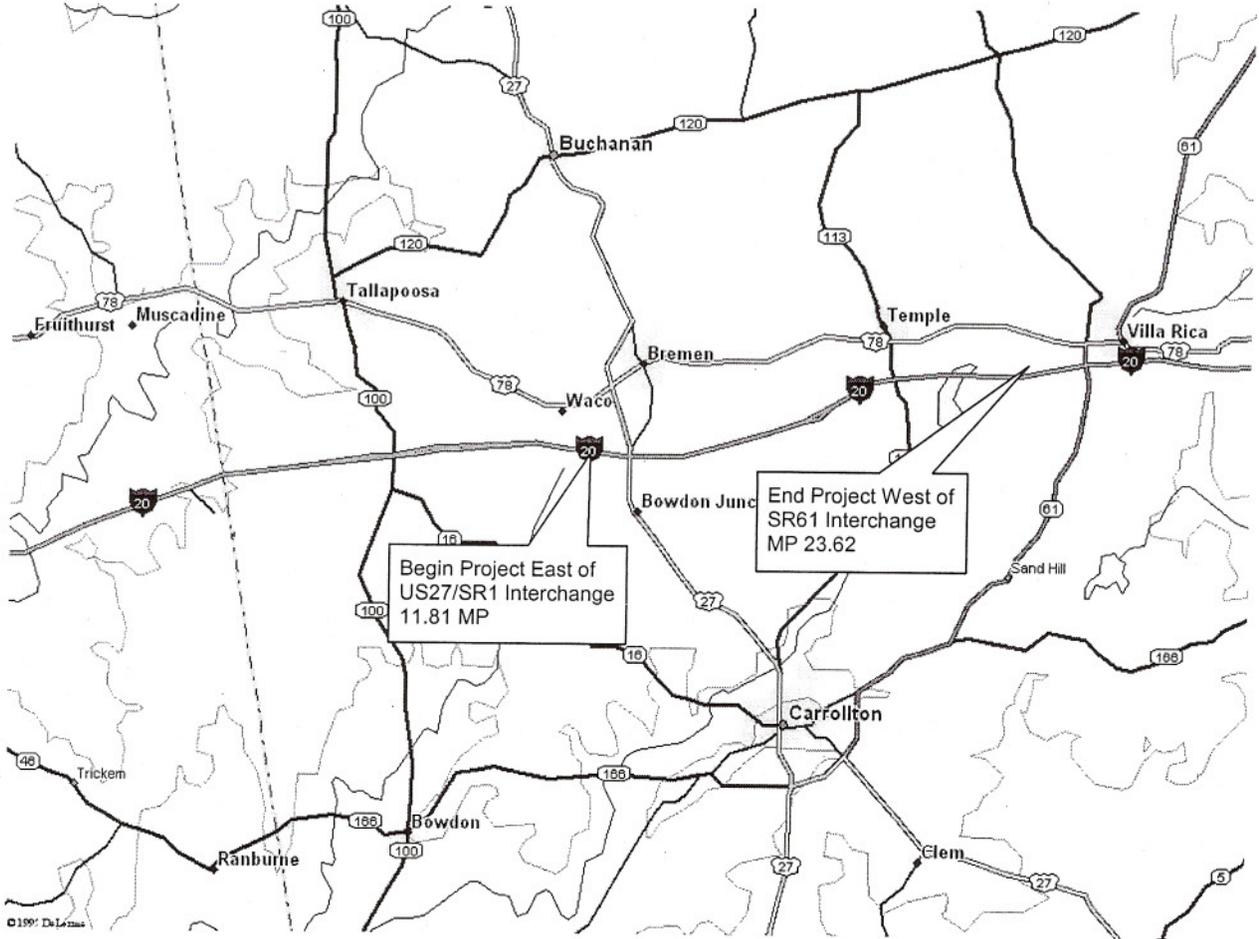
APPROVED:



David E. Studstill, P.E., Chief Engineer

1/30/07
Date of Approval

**LOCATION SKETCH
FOR
PROJECT LIMITS
NO SCALE**



PROJECT MAP: Project No. CSNHS-M003-00(308) CARROLL COUNTY

Estimate Report for file "M003308_2006-09-20"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	Lump	LS	3500000.00	TRAFFIC CONTROL - CSNHS-M003-00(308)	3500000.00
150-5010	8	EA	11374.59	TRAFFIC CONTROL, PORTABLE IMPACT ATTENUATOR	90996.72
150-9011	6000	HR	58.19	TRAFFIC CONTROL - WORKZONE LAW ENFORCEMENT (CONTRACTOR BIDS)	349140.00
153-1300	1	EA	72181.10	FIELD ENGINEERS OFFICE TP 3	72181.10
163-0300	6	EA	2863.85	CONSTRUCTION EXIT	17183.10
163-0522	100	EA	220.00	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS - TYPE A SILT FENCE	22000.00
202-2100	Lump	LS	2500000.00	CLEARING	2500000.00
210-0100	Lump	LS	12000000.00	GRADING COMPLETE - CSNHS-M003-00(308)	12000000.00
310-1101	434830	TN	17.16	GR AGGR BASE CRS, INCL MATL	7461682.80
402-3121	95660	TN	63.60	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	6083976.00
402-3130	28020	TN	70.00	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM	1961400.00
402-3190	123020	TN	65.02	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	7998760.40
413-1000	17860	GL	1.88	BITUM TACK COAT	33576.80
430-0630	100	LF	87.98	REINFORCED CONCRETE LUG ANCHORS	8798.00
430-1220	351070	SY	63.08	CONT REINF CONC PVMT, CL HES CONC, 12 INCH THK	22145495.60
431-1000	351070	SY	2.95	GRIND CONC PVMT	1035656.50
433-1200	2160	SY	179.09	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	386834.40
436-1000	9500	LF	10.54	ASPHALTIC CONCRETE CURB - 5 INCH	100130.00
441-0004	1000	SY	52.70	CONC SLOPE PAV, 4 IN	52700.00
441-0204	1000	SY	31.72	PLAIN CONC DITCH PAVING, 4 IN	31720.00
441-0301	16	EA	1881.26	CONC SPILLWAY, TP 1	30100.16
452-1000	100	CY	233.69	FULL DEPTH SLAB REPLACEMENT	23369.00
456-2012	48	GLM	1021.29	INDENTATION RUMBLE STRIPS - GROUND-IN-PLACE (CONTINUOUS)	49021.92
457-1010	10000	SY	2.96	GEOGRID REINFORCEMENT, TP B	29600.00
500-0100	2160	SY	4.18	GROOVED CONCRETE	9028.80
500-3200	5	CY	517.91	CLASS B CONCRETE	2589.55
550-1180	1000	LF	41.57	STORM DRAIN PIPE, 18 IN, H 1-10	41570.00
550-3518	4	EA	932.41	SAFETY END SECTION 18 IN, STORM DRAIN, 6:1 SLOPE	3729.64
576-1018	1000	LF	27.27	SLOPE DRAIN PIPE, 18 IN	27270.00
577-1100	25	EA	712.70	METAL DRAIN INLET - COMPLETE ASSEMBLY	17817.50
610-0019	10	EA	2263.14	REMOVE AND RESET LOGO SIGN -	22631.40
620-0100	66000	LF	37.42	TEMPORARY BARRIER, METHOD NO. 1	2469720.00
632-0003	10	EA	16815.15	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	168151.50
641-1100	284	LF	52.44	GUARDRAIL, TP T	14892.96
641-1200	26410	LF	18.89	GUARDRAIL, TP W	498884.90
641-5001	46	EA	631.56	GUARDRAIL ANCHORAGE, TP 1	29051.76
641-5006	4	EA	602.93	GUARDRAIL ANCHORAGE, TP 6	2411.72
641-5012	54	EA	1878.51	GUARDRAIL ANCHORAGE, TP 12	101439.54
657-1104	5016	LF	7.39	PREFORMED PLASTIC SOLID PVMT MKG, 10 IN, WHITE, TP PB	37068.24
657-2085	26	LM	26427.41	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	687112.66
657-4085	24	GLM	17577.83	PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, CONTRAST (BLACK-WHITE), TP PB	421867.92
657-7085	26	LM	24119.42	PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	627104.92
Section Sub Total:					\$71,166,665.51

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	135	AC	561.09	TEMPORARY GRASSING	75747.15
163-0240	4025	TN	203.83	MULCH	820415.75
163-0520	1000	LF	16.92	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	16920.00

163-0521	100	EA	219.24	CONSTRUCT AND REMOVE TEMPORARY DITCH CHECKS	21924.00
163-0530	2000	LF	3.75	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	7500.00
163-0550	99	EA	299.74	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	29674.26
165-0010	64750	LF	1.06	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	68635.00
165-0030	71250	LF	1.89	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	134662.50
165-0070	1000	LF	2.34	MAINTENANCE OF BALED STRAW EROSION CHECK	2340.00
165-0105	99	EA	111.11	MAINTENANCE OF INLET SEDIMENT TRAP	10999.89
167-1000	1	EA	1560.81	WATER QUALITY MONITORING AND SAMPLING	1560.81
167-1500	36	MO	926.02	WATER QUALITY INSPECTIONS	33336.72
171-0010	129500	LF	1.93	TEMPORARY SILT FENCE, TYPE A	249935.00
171-0030	142500	LF	3.31	TEMPORARY SILT FENCE, TYPE C	471675.00
603-2180	1000	SY	41.63	STN DUMPED RIP RAP, TP 3, 12 IN	41630.00
603-7000	1000	SY	4.89	PLASTIC FILTER FABRIC	4890.00
700-6910	270	AC	831.15	PERMANENT GRASSING	224410.50
700-7000	810	TN	58.09	AGRICULTURAL LIME	47052.90
700-7010	675	GL	19.20	LIQUID LIME	12960.00
700-8000	270	TN	347.20	FERTILIZER MIXED GRADE	93744.00
700-8100	13500	LB	2.10	FERTILIZER NITROGEN CONTENT	28350.00
716-2000	76100	SY	1.33	EROSION CONTROL MATS, SLOPES	101213.00
Section Sub Total:					\$2,499,576.48

Total Estimated Cost: \$73,666,241.99

Subtotal Construction Cost	\$73,666,241.99
E&C Rate 10.0 %	\$7,366,624.20
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
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Total Construction Cost	\$81,032,866.19
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$81,032,866.19

NOTICE OF LOCATION AND DESIGN APPROVAL

**CSNHS-M003-00(308) / Carroll County
P.I. No. M003308**

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

The date of location approval is *JANUARY 31, 2007*

Project CSNHS-M003-00(308) is located within Georgia Militia Districts 1152, 649, 642. This project is located within Carroll County. The project scope is to replace the pavement of the two existing travel lanes, which consist of concrete pavement, with full depth Continuous Reinforced Concrete. The outside shoulder will be replaced with full depth Hot Mix Asphaltic Concrete Superpave; while the inside shoulder will be replaced with standard depth Hot Mix Asphalt. The project will also upgrade the guardrail to current standards and all vegetation will be cleared according to the current guidelines on both eastbound and westbound lanes of I-20/SR 402 from SR 1/US 27 to SR61 in Carroll County.

This project was designed with a 70 mph speed design.

The proposed project is the rehabilitation of the existing roadway to preserve the integrity and safety of the system.

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:

Bill Dungan
Area Engineer
E-mail: Bill.Dungan@dot.state.ga.us
4323 US Hwy. 27, Buchanan GA. 30113
Telephone: (770)646-5522

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

Brent A. Story, P.E.
State Road and Airport Engineer
E-mail: Brent.Story@dot.state.ga.us
Room 444, No.2 Capitol SQ. Atlanta, GA. 30334
Telephone: (404)656-5386

Any written request or communication should be directed to the Project and P. I. Numbers as noted at the top of this notice.