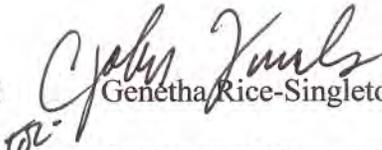


DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 110620-, Barrow/Jackson Counties **OFFICE** Preconstruction
NH-IM-85-2(166)
I-85 Widening- SR 211 to SR 53 **DATE** January 8, 2007

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction
TO *102-* SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Harvey Keeper
Ken Thompson
Michael Henry
Keith Golden
Angela Alexander
Paul Liles
Russell McMurry
Babs Abubakari
BOARD MEMBER

Merritt, George

From: Hill, Stanley [Stanley.Hill@dot.state.ga.us]
Sent: Thursday, December 14, 2006 9:57 AM
To: Merritt, George
Cc: Reid, Robert Lee Jr.; Wheeler, Joe; Abubakari, Babs; Merritt, George; Pegram, Vinesha C.; Tehrani, Mohsen
Subject: RE: I-85 Reconstruction and added lanes concept reports

George,

The Department will address all comments and concerns as discussed during the summer and all Revised Concepts Reports submitted for approval will include these changes.

Thank You,

Stanley Hill
Georgia Department of Transportation
Transportation Engineer Assistant Administrator
Office of Program Delivery and Consultant Design
Phone: (404)656-6109
Fax: (404)657-0653
Email: stanley.hill@dot.state.ga.us

From: Merritt, George [mailto:George.Merritt@fhwa.dot.gov]
Sent: Thursday, December 14, 2006 9:10 AM
To: Hill, Stanley
Cc: Reid, Robert Lee Jr.; Wheeler, Joe; Abubakari, Babs; Merritt_George
Subject: I-85 Reconstruction and added lanes concept reports
Importance: High

Stanley,
In an effort to resolve the issues regarding the concept reports for the various projects from Gwinnett County north to the SC state line, would you please respond to this email and indicate if the Department is committed to address the various issues and resolutions we have worked on this summer per the typical section discussions? We expect that any concept revisions (as necessary) will reflect our discussions and all plan development for construction will reflect the agreed typicals barring as much as possible. Thanks for your assistance, and once I receive a response I will attach it to the concept reports so that we can process them.

Please let me know if there are any questions.
George

George W. Merritt
Federal Highway Administration
U.S. Department of Transportation
61 Forsyth St., S.W. Suite 17T100
Atlanta, GA 30303

Phone: (404) 562-3655
Fax: (404) 562-3703
Email: george.merritt@fhwa.dot.gov



12/20/2006

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

JAN 10 2005

FILE NH-IM-85-2(166) Barrow/Jackson Counties OFFICE Atlanta, Georgia
I-85 Widening from State Route 211/Barrow County to
State Route 53/Jackson County
P.I. No. 110620 DATE January 7, 2005
M. B. Abubakari
FROM Mohammed (Babs) Abubakari, P. E., State Consultant Design Engineer
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 and approval in accordance with the Plan Development Process

The concept is being revised to incorporate replacement of the bridges over the Mulberry River and to modify the typical section to include replacement of the existing pavement.

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

JDW
MBA:JDW
Attachment

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

DATE: 2/9/05

Joseph P. Palladi

State Transportation Planning Administrator

cc: David Mulling
Harvey Keeper
Keith Golden
Joe Palladi
Jamie Simpson
Russell McMurry

REVISED PROJECT CONCEPT REPORT

Need and Purpose:

I-85/SR 403, a rural interstate principal arterial, is a primary corridor in northeastern Georgia. The purpose of this project is to improve the operational capacity and safety along I-85. The proposed projects NH-IM-85-2 (166-175) would consist of adding one lane to I-85/SR 403 inside the median in each direction from SR 211 in Barrow County to the 6-lane section of I-85 in Anderson County, South Carolina.

Level of Service

The current Average Annual Daily Traffic (AADT) on I-85/SR 403 for projects NH-IM-85-2(166-174) ranges from 35,800 to 42,800 providing a Level of Service "C" to "D" range. The projected (2025) traffic volumes for NH-IM-85-2(166-174) range from 76,800 AADT to 95,300 AADT, providing for a LOS "F". The increasing traffic volumes, with 24% trucks, are projected to cause the roadway to reach unacceptable Levels of Service.

Projects NH-IM-85-2	Current Year (2005) AADT	Current Year (2005) (LOS)	Design Year (2025) Projected AADT	Design Year (2025) Projected (LOS) Build	Design Year (2025) Projected (LOS) No Build
(166)	51,600	D	95,300	E	F
(167)	51,600	D	87,700	D	F
(168)	53,800	D	91,500	E	F
(169)	53,200	D	90,500	E	F
(170)	51,200	D	87,100	E	F
(171)	51,200	D	87,100	E	F
(172)	49,500	D	84,200	E	F
(173)	47,000	C	79,900	D	F
(174)	45,200	C	76,800	D	F
(175)	43,300	C	74,500	D	F

The 2002 Average Annual Daily Traffic (AADT) on I-85/SR 403 for projects NH-IM-85-2 (166-175) ranges from 35,800 to 42,800 providing a Level of Service "C". However, by 2005, LOS is expected to reach unacceptable levels. The projected (2025) traffic volumes for NH-IM-85-2 (166-175) range from 76,800 AADT to 95,300 AADT, providing for a LOS "F". The increasing traffic volumes, with 24% trucks, are projected to cause the roadway to reach unacceptable Levels of Service.

Accidents

The latest year that complete accident data is available is 2002. The statewide average accident rate in 2002 for a rural interstate was 73 accidents per 100,000,000 vehicle miles traveled. Proposed project NH-IM-85-2 (170) was above the statewide average.

<i>Projects NH-IM-85-2</i>	<i>Accidents</i>	<i>Accident Rate</i>	<i>Statewide Accident Average</i>
(166)	43	40	73
(167)	37	49	73
(168)	29	41	73
(169)	52	42	73
(170)	59	159	73
(171)	22	38	73
(172)	57	71	73
(173)	31	60	73
(174)	73	63	73
(175)*	46	62	73

*Does not include accidents that occurred in South Carolina

Logical Termini

The proposed projects NH-IM-85-2 (165-175) have logical termini:

<i>Projects NH-IM-85-2</i>	<i>Southern Terminus</i>	<i>Northern Terminus</i>
(166)	Ties into proposed project NH-IM-85-2(165) Location: North of SR 211	Ties into proposed project NH-IM-85-2 (167) Location: North of SR 53
(167)	Ties into proposed project NH-IM-85-2 (166) Location: North of SR 53	Ties into proposed project NH-IM-85-2 (168) Location: North of US 129/SR 11
(168)	Ties into proposed project NH-IM-85-2 (167) Location: North of US 129/SR 11	Ties into proposed project NH-IM-85-2 (169) Location: North of SR 82
(169)	Ties into proposed project NH-IM-85-2 (168) Location: North of SR 82	Ties into proposed project NH-IM-85-2 (170) Location: North of SR 98
(170)	Ties into proposed project NH-IM-85-2 (169) Location: North of SR 98	Ties into proposed project NH-IM-85-2 (171) Location: North of US 441/SR 15
(171)	Ties into proposed project NH-IM-85-2 (170) Location: North of US 441/SR 15	Ties into proposed project NH-IM-85-2 (172) Location: North of SR 63
(172)	Ties into proposed project NH-IM-85-2 (171) Location: North of SR 63	Ties into proposed project NH-IM-85-2 (173) Location: North of SR 51
(173)	Ties into proposed project NH-IM-85-2 (172) Location: North of SR 51	Ties into proposed project NH-IM-85-2 (174) Location: North of SR 320
(174)	Ties into proposed project NH-IM-85-2 (173) Location: North of SR 320	Ties into proposed project NH-IM-85-2(175) Location: North of SR 17
(175)	Ties into proposed project NH-IM-85-2(174) Location: North of SR 17	Ties into the 6-lane section of I-85 Location: Anderson County, South Carolina

Other Projects in the Area:

The proposed projects are consistent with the goals of other projects in the area in order to improve the entire transportation network.

- IM-85-2(177) Jackson County Rest Areas
- EDS-IM0545(19), Widen and Reconstruct SR 17 from CR 67 in Lavonia to Stephens County line including replacement bridge over I-85 and realigning ramp terminals on SR 17.
- MLP-M001-00(952), I-85 Bridge over Stephens Creek Bridge Repair.

Project Location:

The length of the proposed project is approximately 3.3 miles, mile log 126.1 to 127.2 in Barrow County and mile log 127.2 to 129.4 in Jackson County. The proposed project begins at SR 211 in Barrow County and ends at SR 53 in Jackson County.

Description of the Approved Concept:

This project is located in northern Barrow County and southern Jackson County, beginning just north of SR 211 in Barrow County and ending just north of SR 53. The project will consist of widening the existing four lane mainline of I-85 to six lanes.

PDP Classification: *Minor, Existing Location*

Full Oversight (X), Exempt (), SF (), Other ()

Functional Classification: *Rural Interstate Principal Arterial*

U.S. Route Number(s): *I-85* **State Route Number(s):** *SR 403*

Traffic (AADT) as shown in the approved concept:

Current Year: (2005): 51,600 *Design Year:* (2025): 95,300

Proposed Features to be Revised:

1. *Replacement of the bridge over Mulberry River*
2. *Modify the proposed typical section by replacing the existing pavement.*

Describe the Revised Features to be Approved:

1. *As recommended by the Office of Maintenance (letter attached), replace the existing bridge over the Mulberry River in its entirety. The original concept was to widen the bridge.*
2. *Modify the typical section by replacing the existing lanes with a full depth concrete pavement section. The original concept was to overlay the existing pavement.*

January 7, 2005

State of Georgia
Department of Transportation

Programmed/Schedule:

P.E.: 1998 R/W: 2005 Construction: 2008

Revised Cost Estimates:

- | | |
|---|--------------|
| 1. Construction cost including inflation and E&C, | \$27,188,789 |
| 2. Right-of-way, and | \$0 |
| 3. Utilities | \$0 |

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

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

Attachments:

1. Sketch Map
2. Cost Estimate
3. Recommendation letter from Office of Maintenance
4. Typical section

Concur:

Buddy Judd
Director of Preconstruction

★ Approve:

Shaway Shamir
For: Division Administrator, FHWA

Approve:

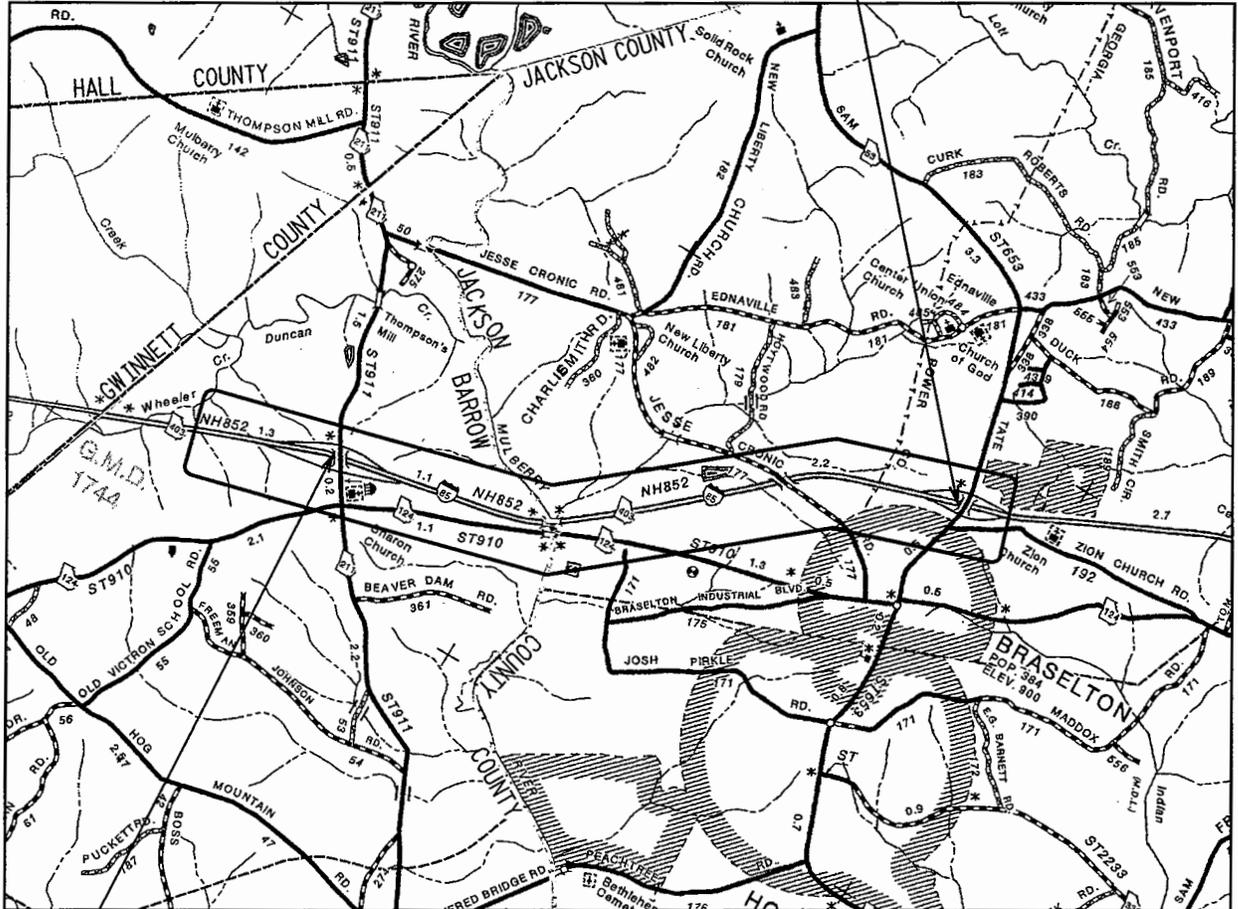
D. L. Hitt
Chief Engineer

★: See attached comments (email) from Stanley Hill 12-14-06

PROJ. NO. NH-IM-85-2(166)
P.I. NO. 110620



PROJECT NH-IM-85-2(166)
END PROJECT



PROJECT NH-IM-85-2(166)
BEGIN PROJECT

PROJECT LOCATION MAP
N.T.S.

BARROW & JACKSON COUNTIES, GEORGIA
CONGRESSIONAL DISTRICT 9

I-85 WIDENING AND IMPROVEMENTS



Post, Buckley,
Schuh & Jernigan, Inc.

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION

Estimate Report for file "I-85"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1	LS	1400000.00	TRAFFIC CONTROL - PROJECT NH-IM-85-2 (166)	1400000.00
150-5000	4	EA	431.99	TRAFFIC CONTROL, TEMPORARY SAND LOADED ATTENUATOR MODULE	1727.96
153-1300	1	EA	51853.00	FIELD ENGINEERS OFFICE TP 3	51853.00
202-2100	1	LS	600000.00	CLEARING	600000.00
210-0100	1	LS	450000.00	GRADING COMPLETE - PROJECT NH-IM-85-2 (166)	450000.00
310-1101	178600	TN	13.89	GR AGGR BASE CRS, INCL MATL	2480754.00
402-1812	260	TN	39.39	RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	10241.40
402-3121	3900	TN	36.74	RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	143286.00
402-3130	61	TN	37.70	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	2299.70
402-3131	970	TN	37.72	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 2 ONLY, INCL BITUM MATL & H LIME	36588.40
402-3190	44900	TN	39.36	RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	1767264.00
413-1000	1100	GL	0.97	BITUM TACK COAT	1067.00
433-1300	820	SY	117.82	REINF CONC APPROACH SLAB, INCL BARRIER	96612.40
436-1000	10500	LF	8.09	ASPHALTIC CONCRETE CURB -4 INCH	84945.00
439-0114	241400	SY	41.40	CONT REINF CONC PVMT, CL HES CONC, 11 INCH THK	9993960.00
441-0301	1	EA	1644.26	CONC SPILLWAY, TP 1	1644.26
444-1000	96	LF	3.11	SAWED JOINTS IN EXIST PAVEMENTS - PCC	298.56
446-3500	7100	LF	1.56	HIGH STRENGTH PVMT REINF FABRIC -18 INCH WIDTH	11076.00
550-1150	3100	LF	21.99	STORM DRAIN PIPE, 15 IN, H 1-10	68169.00
550-1180	4700	LF	28.01	STORM DRAIN PIPE, 18 IN, H 1-10	131647.00
573-2006	2000	LF	11.62	UNDDR PIPE INCL DRAINAGE AGGR, 6 IN	23240.00
576-1018	48	LF	23.51	SLOPE DRAIN PIPE, 18 IN	1128.48
609-1000	92800	SY	15.00	REMOVE ROADWAY SLAB	1392000.00
610-6015	3	EA	274.38	REM DROP INLET	823.14
611-9000	10	EA	672.34	CAPPING MINOR STRUCTURE	6723.40
620-0100	19300	LF	45.06	TEMPORARY BARRIER, METHOD NO. 1	869658.00
621-3125	260	LF	201.66	CONCRETE BARRIER, TP 25S, MODIFIED	52431.60
621-3126	290	LF	276.60	CONCRETE BARRIER, TYPE 26S	80214.00
621-6001	9000	LF	49.05	CONCRETE BARRIER, TP S-1	441450.00
621-6002	7300	LF	58.69	CONCRETE BARRIER, TP S-2	428437.00
621-6003	370	LF	248.25	CONCRETE BARRIER, TP S-3	91852.50
632-0003	2	EA	9984.24	CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3	19968.48
641-1100	160	LF	29.84	GUARDRAIL, TP T	4774.40
641-1200	14600	LF	12.76	GUARDRAIL, TP W	186296.00
641-5001	16	EA	453.29	GUARDRAIL ANCHORAGE, TP 1	7252.64
641-5012	16	EA	1520.26	GUARDRAIL ANCHORAGE, TP 12	24324.16
650-1008	2	EA	18962.50	GUARDRAIL IMPACT ATTENUATOR, TYPE P - 3 - B - 28	37925.00
668-2100	60	EA	1946.93	DROP INLET, GP 1	116815.80
668-2110	43	LF	183.10	DROP INLET, GP 1, ADDL DEPTH	7873.30
Section Sub Total:					\$21,126,621.58

Section PERMANENT EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2181	3	SY	36.30	STN DUMPED RIP RAP, TP 3, 18 IN	108.90
603-7000	3	SY	3.92	PLASTIC FILTER FABRIC	11.76
700-6910	12	AC	763.50	PERMANENT GRASSING	9162.00
700-7000	35	TN	56.36	AGRICULTURAL LIME	1972.60
700-7010	29	GL	18.85	LIQUID LIME	546.65
700-8000	11	TN	249.70	FERTILIZER MIXED GRADE	2746.70
700-8100	580	LB	1.44	FERTILIZER NITROGEN CONTENT	835.20
715-2200	1400	SY	1.99	BITUMINOUS TREATED ROVING, WATERWAYS	2786.00

716-2000	1500	SY	1.12	EROSION CONTROL MATS, SLOPES	1680.00
Section Sub Total:					\$19,849.81

Section TEMPORARY EROSION CONTROL

Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	6	AC	478.64	TEMPORARY GRASSING	2871.84
163-0240	650	TN	199.41	MULCH	129616.50
163-0502	1	EA	340.53	CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2	340.53
163-0520	2000	LF	12.27	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	24540.00
163-0530	930	LF	2.34	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	2176.20
165-0010	17500	LF	0.90	MAINTENANCE OF TEMPORARY SILT FENCE, TP A	15750.00
165-0030	190	LF	1.18	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	224.20
165-0070	470	LF	1.27	MAINTENANCE OF BALED STRAW EROSION CHECK	596.90
165-0086	1	EA	125.97	MAINTENANCE OF SILT CONTROL GATE, TP 2	125.97
167-1000	2	EA	1964.70	WATER QUALITY MONITORING AND SAMPLING	3929.40
167-1500	24	MO	814.53	WATER QUALITY INSPECTIONS	19548.72
171-0010	34900	LF	1.82	TEMPORARY SILT FENCE, TYPE A	63518.00
171-0030	380	LF	3.07	TEMPORARY SILT FENCE, TYPE C	1166.60
Section Sub Total:					\$264,404.86

Section SIGNING AND MARKING

Item Number	Quantity	Units	Unit Price	Item Description	Cost
500-3104	7	CY	1001.37	CLASS A CONCRETE, SIGNS	7009.59
610-6515	17	EA	50.10	REM HIGHWAY SIGN, STD	851.70
610-6520	11	EA	516.21	REM HIGHWAY SIGN, SPCL ROADSIDE	5678.31
633-3500	2	EA	1246.13	REMOUNT UNMODIFIED HWY SIGN, SPCL ROADSIDE	2492.26
636-1020	46	SF	22.00	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 3	1012.00
636-1029	80	SF	28.00	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING, TP 3	2240.00
636-1032	110	SF	30.00	HIGHWAY SIGNS, TP 2 MATL, REFL SHEETING TP 6	3300.00
636-1072	1300	SF	16.02	HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 3	20826.00
636-1072	84	SF	16.02	HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 3, INCL BRACKETS	1345.68
636-2070	26	LF	6.26	GALV STEEL POSTS, TP 7	162.76
636-2080	350	LF	10.50	GALV STEEL POSTS, TP 8	3675.00
636-3000	1100	LB	2.17	GALV STEEL STR SHAPE POST	2387.00
636-9094	44	LF	54.18	PILING IN PLACE, SIGNS, STEEL H, HP 12 X 53	2383.92
638-1001	1	LS	44036.17	STR SUPPORT FOR OVERHEAD SIGN, TP I, STA - 351+85, I-85 SBL, STR F1264	44036.17
638-1001	1	LS	44036.17	STR SUPPORT FOR OVERHEAD SIGN, TP I, STA - 371+50, I-85 SBL, STR F1268	44036.17
638-1001	1	LS	44036.17	STR SUPPORT FOR OVERHEAD SIGN, TP I, STA - 473+75, I-85 NBL, STR E1287	44036.17
638-1001	1	LS	44036.17	STR SUPPORT FOR OVERHEAD SIGN, TP I, STA - 492+40, I-85 NBL, STR E1291	44036.17
638-1003	1	LS	19280.01	STR SUPPORT FOR OVERHEAD SIGN, TP III, STA - 398+25, I-85 SBL, STR F1273	19280.01
638-1003	1	LS	19280.01	STR SUPPORT FOR OVERHEAD SIGN, TP III, STA - 447+00, I-85 NBL, STR E1282	19280.01
647-0205	1	LS	30000.00	TRAFFIC COUNTING LOOP SYSTEM, TYPE - 3	30000.00
653-1810	5000	LF	0.78	THERMOPLASTIC SOLID TRAF STRIPE, 10 IN, WHITE	3900.00
653-2501	7	LM	955.45	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	6688.15
653-2502	7	LM	976.70	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	6836.90
653-3810	4800	GLF	0.36	THERMOPLASTIC SKIP TRAF STRIPE, 10 IN,	1728.00

				WHITE	
653-4501	11	GLM	563.19	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	6195.09
654-1003	1400	EA	4.00	RAISED PVMT MARKERS TP 3	5600.00
Section Sub Total:					\$329,017.06

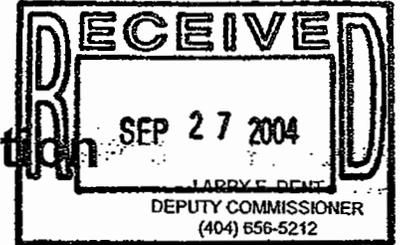
Section BRIDGE					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
511-3000	1	LS	2505000.00	SUPERSTR REINF STEEL, BR NO - 1	2505000.00
Section Sub Total:					\$2,505,000.00

Total Estimated Cost: \$24,244,893.31

Subtotal Construction Cost	\$24,244,893.31
E&C Rate 10.0 %	\$2,424,489.33
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
<hr/>	
Total Construction Cost	\$26,669,382.64
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
<hr/>	
Grand Total Project Cost	\$26,669,382.64



Department of Transportation
State of Georgia



HAROLD E. LINNENKOHL
COMMISSIONER
(404) 656-5206

PAUL V. MULLINS
CHIEF ENGINEER
(404) 656-5277

EARL MAHFUZ
TREASURER
(404) 656-5224

INTERDEPARTMENT CORRESPONDENCE

 September 24, 2004

FROM: Bryant Poole, State Maintenance Engineer

TO: Brent Story, P.E., State Consultant Design Engineer
Attn: Joe Wheeler

SUBJECT: Bridge Condition Survey
NH-IM-85-2(166) / Barrow/Jackson
P.I. No. 110620

As requested, a condition survey has been completed on each of the bridges in this project. Following are location specific recommendations.

Structure ID 013-0022-0, 013-0023-0
Location ID 013-00403D-127.19N, 013-00403D-127.20N
I-85 NB & SB over Mulberry River

This bridges were built in 1964, widened in 1985, and consists of concrete bents, steel beam superstructure, and a concrete deck. The original design load capacity is HS-20 and the current load rating is HS-20. The sufficiency ratings on the structures are 93.9. The bridge is in fair condition and has had two maintenance rehabilitation projects.

There are still several issues that would have to be dealt with in widening this structure. There has been a significant amount of scour and drift accumulation around the substructure in the past 10 years that has had to be repaired. There has also been progressive movement between the steel beams and the deck on the northbound bridge. Although hydrodemolition and overlay has been performed on this bridge in the past, extensive transverse cracking is present on the bottom portions of the decks on both bridges and is beginning to reflect up through the overlay. It has been recommended that the cross slope on the bridges will have to be increased to meet current standards. This will require deck hydrodemolition /deck replacement or jacking. There are also issues of section loss in both the steel beams and the piles in Bent 4.

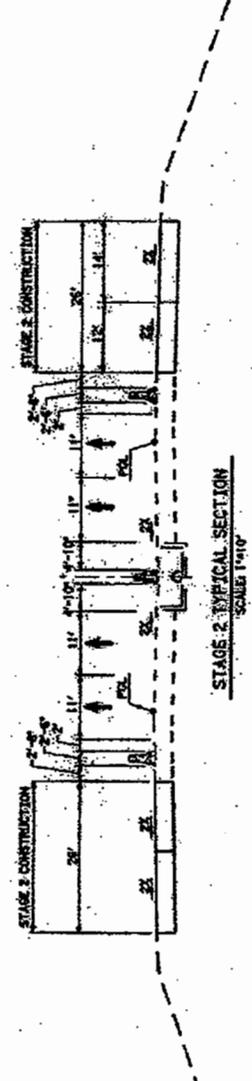
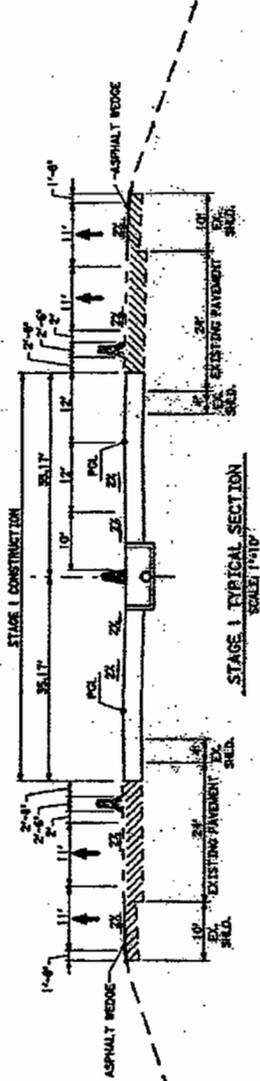
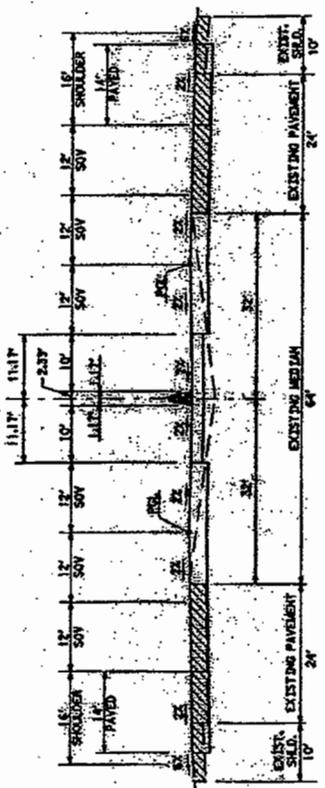
According to the estimate provided by PBS&J, it will be almost as expensive to repair and widen as it will be to replace the bridges. In addition, the life cycle costs for a steel structure are significantly higher that for a concrete structure. Based on the cost analysis and the higher life cycle costs, it is recommended that these bridges be replaced.

If further information is required, please contact Brian Summers at (404) 635-8179.

BP/BKS

STATE	PROJECT NUMBER
GA	W-10-98-2765

PROPOSED DESIGN WITH 23.17' PGL



- MAINTENANCE OF TRAFFIC STAGE 1**
1. MAINTAIN TRAFFIC ON EXISTING OUTSIDE LANE AND SHOULDER.
 2. CONSTRUCT MEDIAN BARRIER.
 3. CONSTRUCT SHOULDER AND INSIDE LANES.
 4. CONSTRUCT INSIDE SHOULDER AND INSIDE LANE.
 5. CONSTRUCT INSIDE SHOULDER AND INSIDE LANE.

- MAINTENANCE OF TRAFFIC STAGE 2**
1. SHIFT TRAFFIC TO NEWLY CONSTRUCTED INSIDE LANES.
 2. CONSTRUCT OUTSIDE LANES, SHOULDERS AND PAVEMENT MARKINGS.



DATE	REVISIONS	DATE	REVISIONS

GEORGIA
 DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 PROJECT W-10-98-2765
 I-85 WIDENING & IMPROVEMENTS
 BARRY & JACKSON COUNTY