

D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0000807, McIntosh County **OFFICE** Preconstruction
MSL-0000-00(807)
Sapelo Island-Beach Road @ Dean Creek **DATE** April 19, 2005

FROM *for* *John Kurl* Margaret B. Pirkle, 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

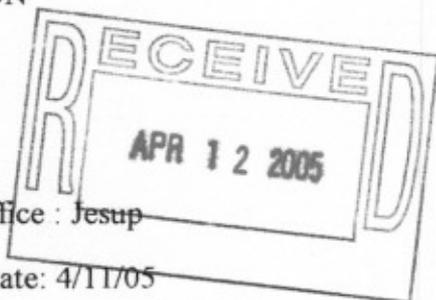
Attachment

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David Mulling
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

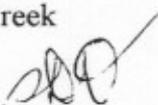
Interdepartmental Correspondence



File: MSL-0000-00(807) McIntosh Co
PI 0000807
Sapelo Island- Beach Road @ Dean Creek

Office: Jesup

Date: 4/11/05

From: Gary D. Priester, District Engineer 

To: Buddy Gratton, Director of Preconstruction

Attention: Meg Pirkle, Asst. Director of Preconstruction

Subject: Revised Project Concept Report

Remarks:

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 revision consists of revising the typical section and the bridge length.

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

If there are any questions or if additional information is needed, please contact Christy Lovett at (912) 427-5794.

DATE 4/12/05


State Transportation Planning Administrator

GP:ADO: csl

Copies to:

Project files

Anthony Collins, Preconstruction Engineer

Dennis Odom, District Design Engineer

David Mulling, Project Review Engineer

Harvey Keeper, State Environmental/Location Engineer

Phillip Allen, State Traffic Safety and Design Engineer

Joe Palladi P.E., State Transportation Planning Administrator

Jamie Simpson, State Financial Management Administrator

Paul Liles, State Bridge Design Engineer (only for those projects that involve structures)

General File Unit, Atlanta

Jesup Files

a design exception may be warranted for the bridge width; it should be approved due to environmental concerns.

REVISED PROJECT CONCEPT REPORT

Need and Purpose:

This is a special consideration project located on Sapelo Island-Beach Road at Dean Creek in which the existing pipes and headwall will be replaced with a bridge. The Georgia Department of Natural Resources (DNR) currently owns this portion of the island and the construction funding will come through DNR. The existing drainage structure will be replaced with an 18 foot wide Precast bridge with a wooden riding surface. The existing roadway is 12 feet wide. The existing drainage structure is not sufficient therefore road washouts are occurring. These washouts create a hazard for the DNR tour groups, DNR workers, and residents that live on the island. A Precast bridge is needed due to limited access to the island.

Project Location: This is a special consideration project located on Sapelo Island-Beach Road at Dean Creek

Description of the approved concept: The approximate length of the project is 0.04 miles; it is located on Sapelo Island- Beach Road at Dean Creek. The logic for establishing this terminus is due to replacing the existing drainage structure with a bridge, and will be constructed on the same alignment. The road will be closed during construction.

PDP Classification:

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

Functional Classification: Rural Local Road

U.S. Route Number(s): N/A

State Route Number(s): N/A

Traffic (AADT) as shown in the approved concept:

Current Year: (2002) 30

Design Year: (2010) 40

Proposed features to be revised:

- Typical Section, Proposed typical section(s): one paved 18' lanes, with 4' shoulders left and right, and 2' wide ditches.
- Structures: The proposed bridge will be 18' X 50'
- The approximate length of the project is 0.04 miles.

Describe the revised feature(s) to be approved:

- Typical Section: The typical will be revised to one paved lane varying from 18' to 12', with no shoulders left and right, and 2' wide ditches. This revision is due to the matching of the existing roadway when tying the roadway back in after the bridge.
- Structures: The proposed bridge will be 18' X 140'. The increase in bridge length was a direct result of the bridge site inspection.

- The length of the project is 0.057 miles. This revision is due to the increase in bridge length.

Programmed/Schedule:

PE 1/31/00

R/W: N/A

Construction: 2005

Revised cost estimates:

1. Construction cost including inflation and E&C,
2. Right-of-way, and
3. Utilities

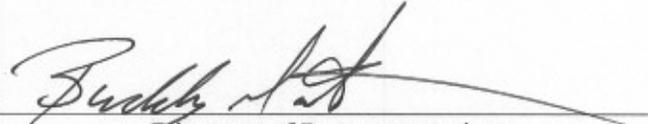
Is the project located in a Non-attainment area? Yes X No.

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

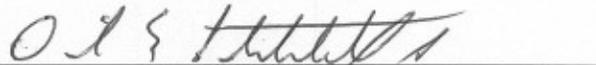
Attachments:

1. Sketch Map
2. Cost Estimate

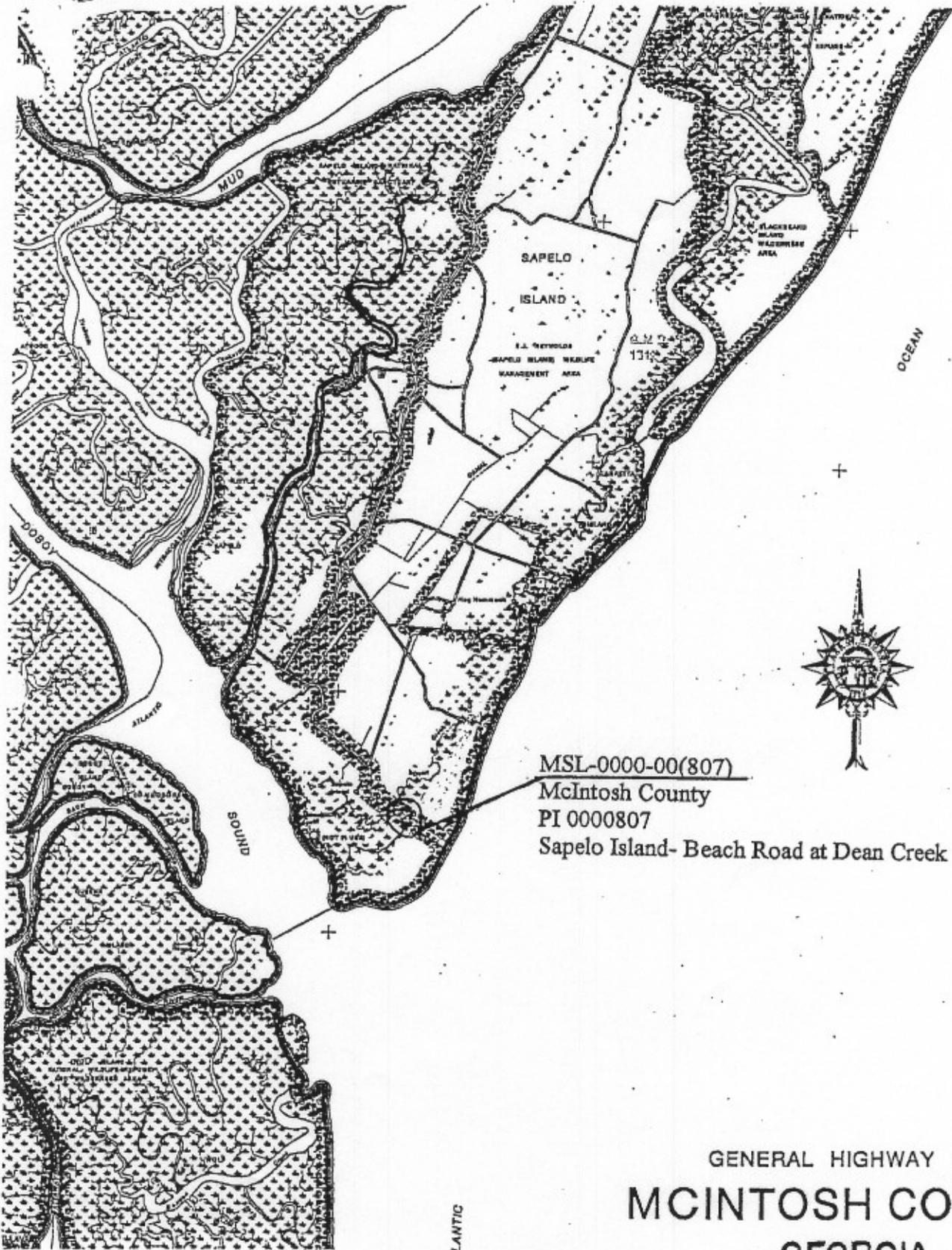
Concur:


Director of Preconstruction

Approve:


Chief Engineer

Project Number: MSL-0000-00(807)
P. I. Number: 0000807
County: McIntosh



MSL-0000-00(807)
McIntosh County
PI 0000807
Sapelo Island- Beach Road at Dean Creek

GENERAL HIGHWAY MAP
MCINTOSH COUNTY
GEORGIA

ATLANTIC

Estimate Report for file "0000807"

Section ROADWAY					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
150-1000	1.00	LS	10000.00	TRAFFIC CONTROL -	10000.0
210-0100	1.00	LS	15000.00	GRADING COMPLETE -	15000.0
433-1200	137.20	SY	130.17	REINF CONC APPROACH SLAB, INCL SLOPED EDGE	17859.32
436-1000	180.00	LF	7.93	ASPHALTIC CONCRETE CURB -	1427.39
500-3200	19.81	CY	288.17	CLASS B CONCRETE	5708.64
511-1000	260.70	LB	0.69	BAR REINF STEEL	179.88
603-2182	19.56	SY	42.84	STN DUMPED RIP RAP, TP 3, 24 IN	837.95
Section Sub Total:					\$51,013.21

Section Enter SectionName					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
310-5060	336.00	SY	6.73	GR AGGR BASE CRS, 6 INCH, INCL MATL	2261.28
402-3110	24.00	TN	37.24	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, GP 1 OR 2, INCL BITUM	893.76
413-1000	14.00	GL	0.96	BITUM TACK COAT	13.44
Section Sub Total:					\$3,168.48

Section EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
603-2182	39.12	SY	42.84	STN DUMPED RIP RAP, TP 3, 24 IN	1675.90
603-7000	39.12	SY	3.63	PLASTIC FILTER FABRIC	142.00
700-6910	0.23	AC	759.11	PERMANENT GRASSING	174.59
700-7000	0.23	TN	57.70	AGRICULTURAL LIME	13.27
700-7010	0.58	GL	19.96	LIQUID LIME	11.57
700-8000	0.14	TN	239.01	FERTILIZER MIXED GRADE	33.46
700-8100	11.50	LB	1.46	FERTILIZER NITROGEN CONTENT	16.79
Section Sub Total:					\$2,067.60

Section TEMPORARY EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
163-0232	0.46	AC	463.74	TEMPORARY GRASSING	213.32
163-0240	1.20	TN	189.28	MULCH	227.13
163-0300	2.00	EA	1073.43	CONSTRUCTION EXIT	2146.86
163-0520	96.00	LF	11.87	CONSTRUCT AND REMOVE TEMPORARY PIPE SLOPE DRAIN	1139.52
163-0530	250.00	LF	2.35	CONSTRUCT AND REMOVE BALED STRAW EROSION CHECK	587.5
171-0020	250.00	LF	1.67	TEMPORARY SILT FENCE, TYPE B	417.5
171-0030	710.00	LF	3.05	TEMPORARY SILT FENCE, TYPE C	2165.5
Section Sub Total:					\$6,897.34

Section MAINTENANCE OF EROSION CONTROL					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
165-0020	125.00	LF	1.05	MAINTENANCE OF TEMPORARY SILT FENCE, TP B	131.25
165-0030	355.00	LF	1.20	MAINTENANCE OF TEMPORARY SILT FENCE, TP C	426.0
165-0070	125.00	LF	1.22	MAINTENANCE OF BALED STRAW EROSION CHECK	152.5
165-0101	2.00	EA	352.27	MAINTENANCE OF CONSTRUCTION EXIT	704.54
Section Sub Total:					\$1,414.29

Section BRIDGE ITEMS					
Item Number	Quantity	Units	Unit Price	Item Description	Cost
502-1200	17.40	MBM	4718.00	BRIDGE TIMBER, TREATED	82093.2
520-2214	1335.00	LF	34.01	PILING, PSC, 14 IN SQ	45403.35

520-3214	3.00	EA	4753.40	TEST PILE, PSC, 14 IN SQ	14260.19
520-4214	1.00	EA	0.62	LOAD TEST, PSC, 14 IN SQ	0.62
543-1100	Lump	LS	114000.00	CONSTR OF BRIDGE - COMPLETE - TO BOTTOM OF CAP	114000.0
603-2024	320.00	SY	40.91	STN DUMPED RIP RAP, TP 1, 24 IN	13091.19
603-7000	320.00	SY	3.96	PLASTIC FILTER FABRIC	1267.2
Section Sub Total:					\$270,115.77

Total Estimated Cost: \$334,676.68

Subtotal Construction Cost	\$334,676.68
E&C Rate 10.0 %	\$33,467.67
Inflation Rate 0.0 % @ 0.0 Years	\$0.00
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Total Construction Cost	\$368,144.35
Right Of Way	\$0.00
ReImb. Utilities	\$0.00
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Grand Total Project Cost	\$368,144.35