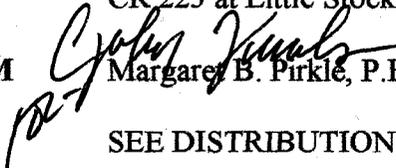


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0002841, Candler County **OFFICE** Preconstruction
BR-0002-00(841)
CR 223 at Little Stocking Head Creek **DATE** July 20, 2006

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

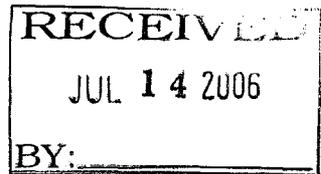
Attachment

DISTRIBUTION:

Brian Summers
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Glenn Durrence
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

Interdepartmental Correspondence



File: BR-0002-00(841) Candler County
Desc. C.R. 223 @ Little Stocking Head Creek
P.I. No. 0002841

Office : Jesup

Date: 7/12 /06

From: Glenn W. Durrence, P.E., District Engineer 

To: Meg Pirkle, Asst. Director of Preconstruction

Subject: **Revised Project Concept Report** .

Remarks:

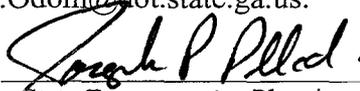
Attached is the original copy of the revised Concept Report for your further handling for approval in accordance with the Plan Development Process (PDP).

The revision consists of for the replacement of the bridge over Little Stocking Head Creek on C.R. 223 / Portal Highway in Candler County 3.5 miles north of Metter.

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 Dennis Odom at (912) 427-5716 or e-mail at Dennis.Odom@dot.state.ga.us.

DATE 7/18/06



State Transportation Planning Administrator

GWD:ADO: KSD

Copies to:

Teresa Scott, District Planning and Programming
Anthony Collins, Preconstruction Engineer
Dennis Odom, District Design Engineer
Brian Summers, Project Review Engineer
Harvey Keeper, State Environmental/Location Engineer
Keith Golden, 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

REVISED PROJECT CONCEPT REPORT

Need and Purpose: This project is needed to replace a bridge with substandard load capacity, and deck geometry. The existing bridge was built in 1967. It is located on C.R. 223/Portal Highway over Little Stocking Head Creek, has a sufficiency rating of 21.66, and was designed for H-15 live loading. Bridges with a rating under 50 and H-15 live loading do not meet current standards under TOPPS directive 2405-1. The existing bridge deck, which is 25.1 ft. wide, will be replaced with a bridge which is 40 ft. wide. This will meet the guidelines of TOPPS directive 4265-9.

Project Location: The approximate length of the project is 0.63 miles, it is located 3.5 miles North of the City Limits of Metter Georgia, on C.R. 223 / Portal Highway at Little Stocking Head Creek.

Description of the approved concept: The approved concept consists of replacing the bridge, and reworking the shoulders and slopes to accommodate the guardrail. The new bridge will be constructed on new alignment, east of the existing alignment. Traffic will be maintained by using the existing roadway. The concept proposes to satisfy the Need and Purpose by replacing a substandard load capacity and deck geometry bridge, while at the same time placing guardrail, and upgrading shoulders to accommodate guardrail. The design speed limit is 55 mph with 2 12' lanes, 6' shoulders left and right, and 2' wide ditches.

PDP Classification: Major _____ Minor X

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

Functional Classification: Rural minor arterial

U.S. Route Number(s):None

State Route Number(s): None

Traffic (AADT) as shown in the approved concept:

Current Year: (2008) 1400

Design Year:(2028) 2100

Proposed features to be revised:

- Project Termini: The current project termini is replacing the bridge, and reworking the shoulders and slopes to accommodate the guardrail. The new bridge was to be constructed on new alignment, east of the existing alignment.
- Traffic control during construction: Two-way traffic will be maintained on the existing roadway while the proposed bridge is being constructed.

Describe the revised feature(s) to be approved:

- Project Termini: The project Termini changes with the alignment returning to the existing alignment and will shift slightly to the west to decrease the degree of curve in the alignment. The project length is now only 0.35 miles starting at Sta. 17+50 and ending at Sta. 35+86.72.
- Traffic control during construction: Road will be closed during construction. Candler County will be responsible for detour of road.

Updated traffic data (AADT):

Current Year: (2008) 1400

Design Year:(2028) 2100

Programmed/Schedule:

PE 2002 R/W: LOCL Construction: 2007

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 No.

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

Attachments:

1. Sketch Map
2. Cost Estimate

Concur: Buddy A. Hill
Director of Preconstruction

Approve: O. S. [Signature]
Chief Engineer

PRELIMINARY COST ESTIMATE

DATE: July 3, 2006

PROJECT NUMBER: BR-0002-00(841) Candler County

P.I. NUMBER: 0002841

Project Description: C.R. 223/ Portal Highway @ Little Stocking Head Creek

PROPOSED CONCEPT: Replace substandard load capacity and geometry bridge

TRAFFIC: EXISTING: (2008) adt = 1400 DESIGN: (2028) adt = 2100

Program Process () Concept Development (X) Project Development ()

PROJECT COSTS

A. RIGHT OF WAY:

1. PROPERTY: 3.4 acres @ \$1500/ac	\$5,100
2. DISPLACEMENTS & RELOCATIONS -	\$0.00
3. OTHER COSTS (ADM./COURT/INFLATION) -	\$600
SUBTOTAL =====	<hr/> \$5,700

B. REIMBURSABLE UTILITIES: LGPA

1. TELEPHONE LINES - Relocate underground line	\$12,000
2. TRANSMISSION LINES -	\$12,000
3. SERVICES -	\$0
SUBTOTAL =====	<hr/> \$24,000

C. MAJOR STRUCTURES:

1. WALLS -	\$0
2. BRIDGE- stream crossing - 100' X 40' @ \$53 sq. ft.	\$212,000
3. BRIDGE - Removal of old bridge - 75' x 25' @ \$10 sq. ft.	\$19,000
4. BOX CULVERTS -	\$0
SUBTOTAL =====	<hr/> \$231,000

D. GRADING AND DRAINAGE:

1. EARTHWORK

9000 cu. Yds. @ \$2.50 cu. Yd. \$22,500
\$0

2. DRAINAGE

a. CROSS DRAIN PIPES (exc. Box culverts) - \$0

b. CURB & GUTTER - If X \$12/lf \$0

c. LONGITUDINAL SYSTEM (incl. Catch Basins) - \$0

SUBTOTAL ===== \$22,500

E. BASE AND PAVING:

1. AGGREGATE BASE - 5000 sq yd @ \$6.50 sq yd \$32,500

2. ASPHALT PAVING - 1200 tn @ \$35 tn \$42,000

3. CONCRETE PAVING - Appr slab - 270 sq yd @ \$120 sq yd \$32,400

4. OTHER (driveways, mill existing paving, etc.) - \$12,000

SUBTOTAL ===== \$118,900

F. LUMP SUM ITEMS:

1. EROSION CONTROL - \$30,000

2. CLEARING & GRUBBING - \$12,000

3. TRAFFIC CONTROL - \$0

4. LANDSCAPING - \$0

5. DETOURS (incl Temp. bridges) - \$0

SUBTOTAL ===== \$42,000

G. MISCELLANEOUS:

1. LIGHTING - \$0

2. SIGNING & STRIPING - \$3,000

3. GUARDRAIL - \$15,000

SUBTOTAL ===== \$18,000

ESTIMATE SUMMARY

A. RIGHTS-OF-WAY -----	\$5,700
B. REIMBURSABLE UTILITIES -----	\$24,000

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES -----	\$231,000
D. GRADING AND DRAINAGE -----	\$22,500
E. BASE AND PAVING -----	\$118,900
F. LUMP SUM ITEMS -----	\$42,000
G. MISCELLANEOUS -----	\$18,000

SUBTOTAL CONSTRUCTION COST -----	\$432,400
E & C (10%) -----	\$43,240
INFLATION (2 YRS @ 5% /YR) -----	\$43,240

TOTAL CONSTRUCTION COST ===== \$518,880

GRAND TOTAL PROJECT COST ===== \$548,580