

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 753295, Douglas County **OFFICE** Preconstruction
STP-7532-00(950)
Anneewakee Road Bridge **DATE** June 7, 2005

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

TO *MBP* SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

MBP/cj

Attachment

DISTRIBUTION:

David Mulling
Harvey Keepler
Ken Thompson
Jamie Simpson
Michael Henry
Keith Golden
Joe Palladi (file copy)
Babs Abubakari
Ben Buchan
Bryant Poole
BOARD MEMBER

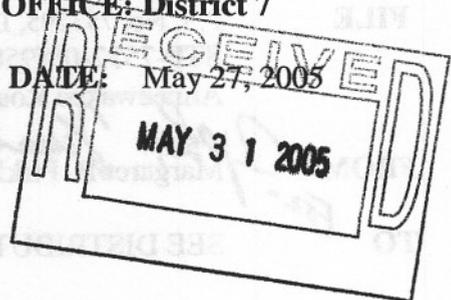
DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-7532-00(950), Douglas County
Anneewake Rd Bridge
PI No. 753295

OFFICE: District 7

DATE: May 27, 2005



FROM: ^{BP/vsb} Bryant Poole, District Engineer

TO: Meg Pirkle, Assistant Director of Preconstruction

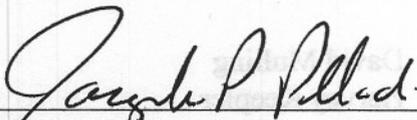
SUBJECT: REVISED PROJECT CONCEPT REPORT

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

The original Concept Report was approved on August 23, 2001. This revision will replace the existing bridge instead of widening and rehabilitating as stated in the original need and purpose statement. The cost estimate also has changed accordingly.

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

DATE 6/2/05


State Transportation Planning Administrator

- Distribution:
- Brain Summers, Project Review Engineer
 - Harvey Keepler, State Environmental/Location Engineer
 - Joe Palladi, State Transportation Engineer
 - Paul Liles, State Bridge and Structural Design Engineer
 - Jamie Simpson, Office of Financial Management

If you have any questions concerning this report, please contact Ralph L. Merrow, Jr. of this office at (404)463-4947.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

District Seven

**REVISED PROJECT CONCEPT REPORT
Anneewake Road Bridge Replacement**

Project Number: STP-7532-00(950)

County: Douglas

P. I. Number: 753295

Federal Route Number: None

State Route Number: None

County Route Number: 815

Date: April 29, 2005

NEED AND PURPOSE: CR. 815/Anneewakee Road in Douglas County is classified as an urban collector street; it runs northeasterly between Chapel Hill Road south Douglasville to S.R. 92/Fairburn Road and crosses Anneewakee Creek approximately 2.1 miles from Chapel Hill. Anneewakee Road is included in the ARC (Atlanta Regional Commissions) bicycle and Pedestrian Plan for future bike lanes. The existing bridge is a 24-ft wide X 132-ft long concrete/steel structure and carries two lanes of traffic. The existing roadway approaches are 24 ft. wide with 5-ft to 8ft. grassed and partially paved shoulders. The posted speed limit is 45 mph and traffic volumes are 2003 ADT – 5,500 and 2023 ADT – 10,000. Anneewakee Road is on a County school bus route.

The existing bridge structure was constructed in 1963 and consists of concrete bents, steel beam superstructure, and a concrete deck. The bridge structure has a sufficiency rating of 59.8 and a design load of HS-20, which is equal to or above the legal load limit. The bridge is in good condition structurally but needs only minor repairs to the caps at bents 2 & 3, deck joint seals and paint on the superstructure. The bridge is functionally deficient due to the narrow width and should be widened to 48 ft. to provide a 24 ft roadway and 12 ft shoulders. There will be 4-ft. bike lanes and rumble strips within the 12-ft shoulders. Traffic would be maintained by stage construction on the existing bridge.

The purpose of this project is to replace the existing structure to bring it up to current departmental design standards, thus improving the structural and operational deficiencies as well as increasing the overall safety of this roadway.

Project location: The proposed Anneewakee Road bridge replacement is located 1.6 miles southwest of the intersection of Anneewakee Road and Fairburn Road (SR 92) and 2.1 miles northeast of intersection of Anneewakee Road and Chapel Hill Road. The existing bridge crosses over Anneewakee Creek. See Location Map.

Description of the approved concept:

The bridge replacement will consist of widening the bridge from 24 feet to 48 feet. This will provide a 24 foot roadway with 8 foot shoulders. Within the shoulders will be 4' bike lanes, 6' sidewalk and 2' gutters.

This project is to replace the existing structure to bring it up to current departmental design standards, thus improving the structural and operational deficiencies as well as increasing the overall safety of this roadway.

PDP Classification: Major _____ Minor X

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

Functional Classification: Minor Urban Collector Street

U. S. Route Number(s): NONE **State Route Number(s):** NONE

Traffic (AADT) as shown in the approved concept:

Current Year: (2003) 5,500 Design Year: (2023) 10,000

Proposed features to be revised:

The original concept report states, "The proposed work will be to widen and rehabilitate the existing bridge to bring it up to the current departmental design standards and to satisfy the current departmental design standards".

Due to the current sufficiency rating of 49.57 and the bridge being constructed in 1963, the bridge will be replaced and the bridge section will widen from 40 feet to 48 feet. The widening will provide a 24 foot roadway and two 12 foot shoulders. The clear zone requirement for this project has been met.

Describe the revised feature(s) to be approved:

The project limits and length will remain the same, but the bridge will be replaced in lieu of widening and rehabilitated. The bridge section will be 48' wide by 132' long. The revised section will be widening from 40' to 48'. This widening will provide 12' travel lanes and 12' shoulders that will include 4' bike lanes, 6' sidewalks and 2' gutters. The existing bridge will remain open until new bridge has been completed.

Updated traffic data (AADT):

Current Year: (2003) 5,500 Design Year: (2023) 10,000

Programmed/Schedule:

P.E. Year 2005 R/W: LOCL Construction: YEAR 2007

Revised cost estimates:

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

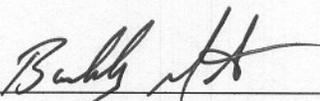
Is the project located in a Non-attainment area? **Yes** **No**. This is an exempt project. The proposed project concept will not change and the project limits will remain the same.

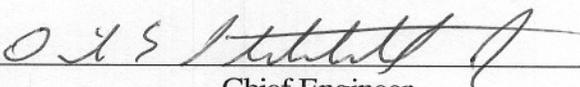
Recommendation: Recommend that the proposed revision to the concept be approved for implementation.

Attachments:

1. Cost Estimate
2. Location Map
3. Typical Section Sketch

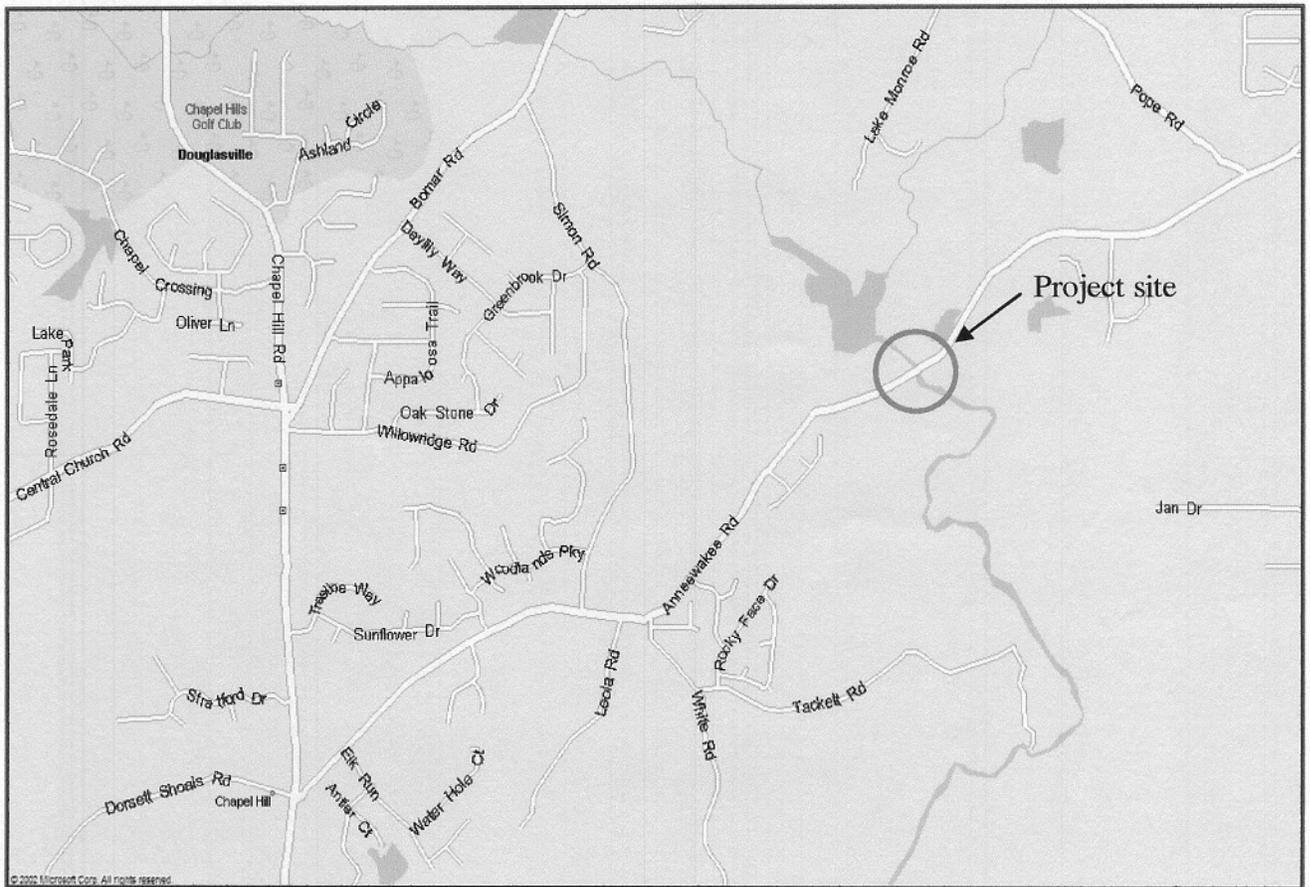
• **Exempt projects**

Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

COST ESTIMATE SUMMARY	
A. RIGHT-OF-WAY	LGPA
B. REIMBURSABLE UTILITIES	LGPA
C. MAJOR STRUCTURES	\$397,712.00
D. GRADING AND EARTHWORK	\$100,000.00
E. DRAINAGE	\$34,200.00
F. BASE AND PAVING	\$71,936.00
G. CONCRETE WORK	\$38,620.00
H. LIGHTING/SIGNING/STRIPING/SIGNAL	\$5,000.00
I. GUARDRAIL	\$16,500.00
J. LUMP ITEMS	\$23,000.00
G. MISCELLANEOUS	\$43,536.00
SUBTOTAL CONSTRUCTION COST	\$730,504.00
INFLATION (5% PER YEAR)	\$36,525.20
NUMBER OF YEARS	1
E. & C. (10%)	\$73,050.40
TOTAL CONSTRUCTION COST	\$840,079.60

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Project Number: STP-7532-00(950)
P.I. Number: 753295
County: Douglas



Attachment 2

Project Location Map
Project # STP-7532-00(950)
P.I. Number: 753295
County: Douglas