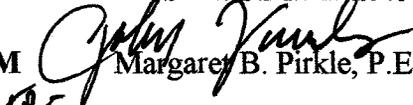


D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 642220-, Catoosa County **OFFICE** Preconstruction
STP-1111(11)
SR 146/Cloud Springs Road from
SR 1/US 27 East to CR 553/Lakeview Road **DATE** August 15, 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.

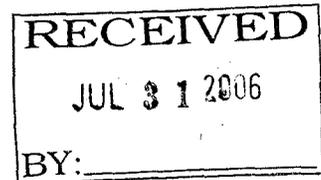
MBP/cj

Attachment

DISTRIBUTION:

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

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

FILE: STP-1111(11)Catoosa County OFFICE: Atlanta, Georgia
P.I. No. 642220
SR 146/Cloud Springs Road DATE: July 10, 2006
From SR 1/US 27 East To CR 553/Lakeview RD.
FROM: *M. Babs Abubakari*
Mohammed (Babs) Abubakari, P.E.,
State Consultant Design and Program Delivery Engineer
TO: Meg Pirkle, Assist. Director of Preconstruction
SUBJECT: REVISED Project Concept Report

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

The SR 146 typical section has been revised since the original concept was approved. The original typical section consisted of two 12-ft through lanes in each direction with a 20-foot median, plus curb and gutter and 5-ft sidewalks on each side of the roadway. The revised concept typical section consists of two 12-ft through lanes plus a 4-foot bike lane in each direction with a 20-foot median, plus curb and gutter and 5-foot sidewalks on both sides. The bike lanes have been added, because this section of SR 146 has been designated as a bikeway by the Chattanooga MPO.

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

DATE 8/4/06



State Transportation Planning Administrator

Distribution:

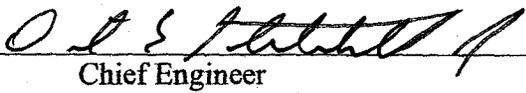
Brian Summers - State Project Review Engineer
Harvey Keepler - State Environmental/Location Engineer
Keith Golden - State Traffic, Safety, & Design Engineer
Joe Palladi - State Transportation Planning Administrator
Jamie Simpson - State Financial Management Administrator
Kent L. Sager - District 6 Engineer

REVISED PROJECT CONCEPT REPORT
PROJECT NUMBER STP-1111(11)
P.I. NO 642220

Attachments:

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

Concur: 
Director of Preconstruction

Approve: 
Chief Engineer

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: STP-1111(11)

COUNTY: CATOOSA

DATE: 6/30/06

PREPARED BY: Qk4

PROJECT LENGTH : 2.2 miles

() PROGRAMMING PROCESS (X) CONCEPT DEV. () DURING PROJECT DEV.

PROJECT COST	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$1,467,000
2. DISPLACEMENTS; RES: 55, BUS: 4, M.H.: 0	\$1,415,000
3. OTHER COST (DAMAGES, ADM. / COURT, INFL., ETC.)	\$36,934,025
SUBTOTAL: A	\$39,816,025
B. REIMBURSABLE UTILITIES:	
1. RAILROAD	\$0
2. TRANSMISSION LINES	\$0
3. SERVICES	\$3,571,733
SUBTOTAL: B	\$3,571,733
C. CONSTRUCTION:	
1. MAJOR STRUCTURES:	
a. Retaining Wall @ Cloud Springs Baptist Church - 3360 sf (\$55/sf)	\$184,800
b. Extend Box Culvert @ Black Branch Creek	\$88,000
SUBTOTAL: C-1	\$272,800
2. GRADING AND DRAINAGE:	
a. EARTHWORK - In Place Embankment 50,000 cu. yds. (\$6/cu. yd)	\$300,000
Unclassified Excavation 55,000 cu yds (\$3.50/cu yd)	\$192,500
b. DRAINAGE - 2.2 miles (\$120,000 / mile)	\$264,000
SUBTOTAL: C-2	\$756,500
3. BASE AND PAVING:	
a. 10" Graded Aggr. Base Course - (82,200 sy @ \$15 / sy)	\$1,233,000
b. ASPHALT PAVING:	
1. Asph Conc, 4" superpave base (18,500 tons x \$50)	\$925,000
2. Asph Conc, 2" superpave binder (9300 tons x \$60)	\$558,000
3. Asph Conc, 1 1/2" superpave surface (10,500 tons x \$60)	\$630,000

c. Bituminous Tack Coat - (32300 gal x \$1)	\$32,300
SUBTOTAL: C-3	\$3,378,300
4. LUMP ITEMS:	
a. TRAFFIC CONTROL	\$400,000
b. CLEARING AND GRUBBING	\$350,000
c. GRASSING	\$70,000
d. EROSION CONTROL	\$120,000
e. SIGNALS	
1. S.R. 146 & S.R. 1/U.S. 27	\$80,000
2. S.R. 146 & Cross Street	\$80,000
3. S.R. 146 & Fant Drive	\$80,000
3. S.R. 146 & Cedar Lane	\$80,000
SUBTOTAL: C-4.e	\$320,000
SUBTOTAL: C-4	\$1,260,000
5. MISCELLANEOUS:	
a. SIGNING & STRIPING	\$120,000
b. FIELD OFFICE	\$36,000
c. CONCRETE CURB AND GUTTER - 31800 ft (\$13 / ft)	\$413,400
d. CONCRETE MEDIAN - 2800 sy (\$36 / sy)	\$100,800
e. GUARDRAIL	\$60,000
SUBTOTAL: C-5	\$640,200

ESTIMATE SUMMARY		
A. RIGHT-OF-WAY:		\$39,816,025
B. REIMBURSABLE UTILITIES:		\$3,571,733
C. CONSTRUCTION:		
1. MAJOR STRUCTURES	\$272,800	
2. GRADING AND DRAINAGE	\$756,500	
3. BASE AND PAVING	\$3,378,300	
4. LUMP ITEMS	\$1,260,000	
5. MISCELLANEOUS	\$640,200	
SUBTOTAL CONSTRUCTION COST	\$6,307,800	
E. & C. (10%)	\$630,780	
INFLATION (3% PER YEAR)	\$1,004,669	
NUMBER OF YEARS: 5		
TOTAL CONSTRUCTION COST	\$7,943,249	
TOTAL PROJECT COST	\$51,331,007	

