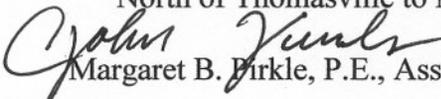


D.O.T. 66

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No.0001570, Thomas County **OFFICE** Preconstruction
NHS-0001-00(570)
SR 300/US 19 Median Turn Lanes from
North of Thomasville to Mitchell County **DATE** January 25, 2006

FROM 
Margaret B. Firkle, 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
Joe Sheffield
BOARD MEMBER

RECEIVED

JAN 20 2006

OFFICE OF PLANNING

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE NHS-0001-00(570) Thomas County OFFICE Atlanta, Georgia
SR 300/US 19 Median Turn Lanes from
North of Thomasville to Mitchell County
P.I. No. 0001570 DATE January 17, 2006
M. Babs 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 extend the project termini by 0.24 miles to include the work at the median crossover at MP 0.09 in Mitchell County. The crossover is currently included in project NHS-0001-00(567) Mitchell County, PI 0001567. The work at the crossover at MP 0.09 overlaps with the work at the median opening at State Route 111 in Thomas County. By including both intersections in the same project, it will eliminate any problems created if the two projects are let at different times or if the projects have different contractors.

A corresponding revised concept report for NHS-0001-00(567) Mitchell County will be prepared.

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: 1/18/06

Joseph Palladi
State Transportation Planning Administrator

cc: Brian Summers
Harvey Keeper
Keith Golden
Joseph Palladi
Jamie Simpson
Joe Sheffield

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Accident history for the years of 1995-1998 shows 30% of the accidents are angle intersecting, 38% are rear end, 15% are struck object and 9% are side swipe. The proposed improvements would decrease these numbers considerably. The offset left turn lanes will improve sight distance to oncoming traffic. The construction of these turn lanes would allow vehicles to move out of the flow of traffic to decelerate, decreasing rear end and side swipe accidents. To improve the safety and orderly progression of traffic through the corridor and help eliminate angle intersecting, rear end and side swipe accidents, these improvements are recommended.

Project location: The project begins approximately 3.03 miles south of the Thomasville City Limits, MP 10.50, and runs north to the Mitchell County line on SR 3/SR 300/US 19. The project length is approximately 20.42 miles.

Description of the approved concept: At various locations on this corridor the existing median cross over will be reconstructed to provide Type "B" Median Crossovers – Offset left turn lanes for SR 3. The existing Type "A" Median Crossovers – Adjacent Left Turn Lanes will be reconstructed as Type "B" Median Crossovers. Right turn lanes will also be constructed and/or extended to meet speed design deceleration distances at various locations. Right turn lanes will only be constructed if they can be done within the existing right of way. The locations as shown in the approved concept are:

CR 219/Sunset Drive	CR 79/Fredonia Road
CR 246/Old Monticello Road	SR 202 & CR 247/County Line Road
CS 7891/Heritage Drive	CR 193/Pasco Road
Median X-Over MP 11.49	Median X-Over MP 18.82
Median X-Over MP 11.64	CR 70/Egg & Butter Extension
Median X-Over MP 12.59	CR 157/Egg & Butter Road & Myrick Road
Median X-Over MP 12.73	Median X-Over MP 21.15
Median X-Over MP 13.04	CR 159/McMillan Road & Whip-O-Will Road
CR 359/Timber Ridge Drive	CR 415/Groover Road
CR 234/Commercial Drive	SR 188
SR 122 & CR 385/Remington Avenue & Pavo Road	CR 126/Stage Road
Median X-Over MP 13.60	CR 200/Chasen Road
CS 7401/Colonial Drive	CR 133/Rupp Road
SR 35BU & 319BU/Plantation Pkwy	CR 129/Hansell Road
Median X-Over MP 14.22	CR 205/Midway Church Road
Median X-Over MP 14.26	Median X-Over MP 29.34
CR 287/Clark Road	CR 305/Palmer Road
CR 190/Patterson Still Road	CR 127/Marshall Street
SR 35/North Bypass	SR 111
CR 192/St. Mary's Church Road	

PDP Classification: Major _____ Minor X

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

Functional Classification: MP 10.50 to MP 16.28 – Urban Principal Arterial
MP 16.28 to End Project – Rural Principal Arterial

U. S. Route Number(s): 19 **State Route Number(s): 3/300**

Traffic (AADT) as shown in the approved concept:

Current Year: 1998 Design Year: None

MP 10.50 to MP 10.65 – 8,000 VPD
MP 10.65 to MP 12.28 – 7,200 VPD
MP 12.28 to MP 13.52 – 29,000 VPD
MP 13.52 to MP 15.08 – 18,200 VPD
MP 15.08 to MP 17.41 – 11,600 VPD
MP 17.41 to MP 23.64 – 7,900 VPD
MP 23.64 to MP 30.24 – 6,200 VPD
MP 30.24 to MP 30.83 – 5,800 VPD
MP 30.83 to MP 30.92 – 6,900 VPD

Proposed features to be revised: It is proposed to revise the project by changing the project termini to include the median crossover at MP 0.09 in Mitchell County. This intersection is currently included in project NHS-0001-00(567) Mitchell County, PI 0001567. The proximity of the median crossover at MP 0.09 to State Route 111 in Thomas County (approximately 1000 feet) requires some overlap in the tapers between the two intersections. The addition of the crossover at MP 0.09 to this project will facilitate ease of construction if this project and project NHS-0001-00(567) are let at different times or if the projects are awarded to different contractors.

Please note that a separate revised concept report will be submitted for project NHS-0001-00(567).

Describe the revised feature(s) to be approved: The revised feature to be approved is a change in the project termini. The project will be for the reconstruction of the existing median crossovers on SR 3/SR 300/US 19 to provide Type "B" Median Crossovers. Right turn lanes will also be constructed and/or extended to meet speed design deceleration distances at various locations as long as they can be constructed within the existing right of way. The project limits are from approximately 3.03 miles south of the Thomasville City Limits (MP 10.50) to approximately 1215 feet north of the Thomas County/Mitchell County line (MP 0.23). The specific locations of the crossovers are:

Thomas County

CR 219/Sunset Drive
CR 246/Old Monticello Road
CS 7891/Heritage Drive
Median X-Over MP 11.49
Median X-Over MP 11.64
Median X-Over MP 12.59
Median X-Over MP 12.73
Median X-Over MP 13.04
CR 359/Timber Ridge Drive

CR 79/Fredonia Road
SR 202 & CR 247/County Line Road
CR 193/Pasco Road
Median X-Over MP 18.82
CR 70/Egg & Butter Extension
CR 157/Egg & Butter Road & Myrick Road
Median X-Over MP 21.15
CR 159/McMillan Road & Whip-O-Will Road
CR 415/Groover Road

CR 234/Commercial Drive
 SR 122 & CR 385/Remington Avenue
 & Pavo Road
 Median X-Over MP 13.60
 CS 7401/Colonial Drive
 SR 35BU & 319BU/Plantation Pkwy
 Median X-Over MP 14.22
 Median X-Over MP 14.26
 CR 287/Clark Road
 CR 190/Patterson Still Road
 SR 35/North Bypass
 CR 192/St. Mary's Church Road

SR 188
 CR 126/Stage Road
 CR 200/Chasen Road
 CR 133/Rupp Road
 CR 129/Hansell Road
 CR 205/Midway Church Road
 Median X-Over MP 29.34
 CR 305/Palmer Road
 CR 127/Marshall Street
 SR 111

Mitchell County

Median X-Over MP 0.09

Updated traffic data (AADT):

Location	Current Year (2012)	Design Year (2032)
Sunset Drive to Old Monticello Road	4,600	6,900
Old Monticello Road to Heritage Drive	4,100	6,350
Heritage Drive to Timber Ridge Drive	12,350*	19,100*
Timber Ridge Drive to Commercial Drive	12,650	19,550
Commercial Drive to Remington Ave./Pavo Road	12,600	19,450
Remington Ave./Pavo Road to Colonial Drive	16,750	25,650
Colonial Drive to Plantation Parkway	17,950	27,750
Plantation Parkway to Clark Road	12,900	19,950
Clark Road to Patterson Still Road	12,000	18,550
Patterson Still Road to North Bypass	11,100	17,150
North Bypass to St. Mary's Church Road	7,500	11,550
St. Mary's Church Road to Fredonia Road	7,300	11,300
Fredonia Road to County Line Road	7,250	11,200
County Line Road to Pasco Road	6,550	9,950
Pasco Road to Egg & Butter Road/Myrick Road	6,300	9,600
Egg & Butter Road/Myrick Road to McMillan Rd	5,450	8,450
McMillan Road to State Route 188	4,950	7,750
State Route 188 to Stage Road	4,450	7,000
Stage Road to Hansell Road	4,350	6,850
Hansell Road to Midway Church Road	4,250	6,650
Midway Church Road to Palmer Road	4,100	6,450
Palmer Road to Marshall Street	4,150	6,500
Marshall Street to State Route 111	4,300	6,650
State Route 111 to MP 0.09	4,500	6,950

* Includes local build up

Programmed/Schedule:

P.E.: 2002

R/W: None

Construction: 2010

Revised cost estimates:

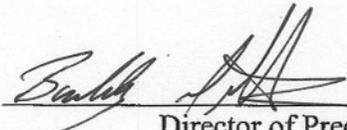
- | | |
|---|--------------|
| 1. Construction cost including inflation and E&C, | \$22,701,800 |
| 2. Right-of-way, and | \$0 |
| 3. Utilities | \$0 |

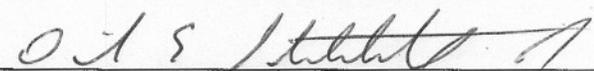
Is the project located in a Non-attainment area? Yes No X

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

MITCHELL COUNTY

COLOQUITT

END
PROJECT

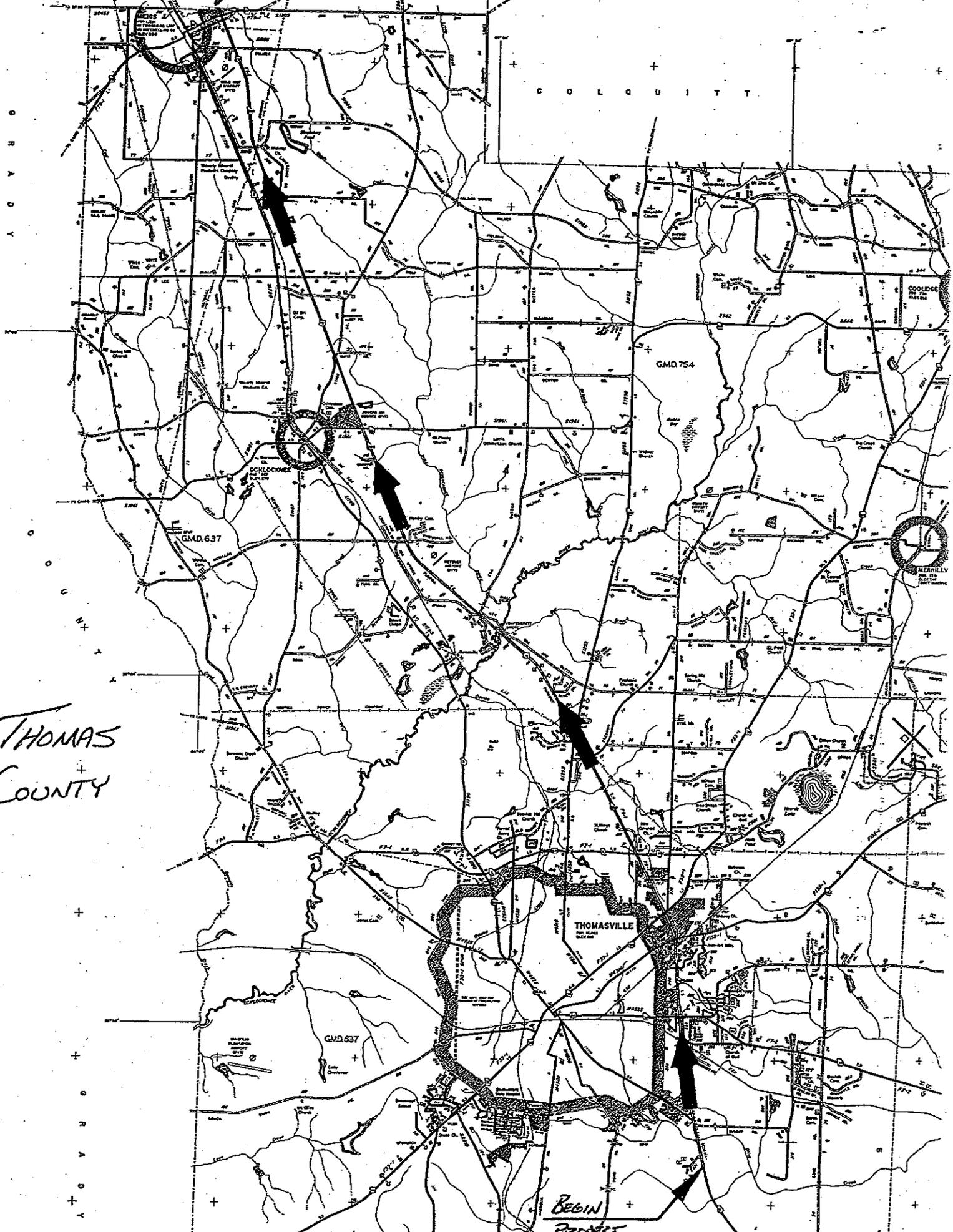
THOMAS
COUNTY

BEGIN
PROJECT

GRADY

GRADY

GRADY



GMD.637

GMD.754

GMD.537

THOMASVILLE

OCHLOCKNEE

SHERRILL

PRELIMINARY COST ESTIMATE
OFFICE OF CONSULTANT DESIGN

DATE: 01/17/06

PREPARED BY: Volkert & Assoc.

PROJECT N(NHS-0001-00(570)

FILE NAME:

P.I. NO: 0001570

MILEAGE:

PROJECT DESCRIPTION/CONCEPT: SR 300/US 19 Turn Lanes - Thomas County

EXISTING ROADWAY:

TRAFFIC: CURRENT ADT

PROJECTED ADT

- () PROGRAMMING PROCESS
- () CONCEPT DEVELOPMENT
- (X) DURING PROJECT DEVELOPMENT

PROJECT COSTS

A. RIGHT OF WAY	lump sum		\$0.00
		SUBTOTAL	\$0.00
B. UTILITIES (Reimbursable)	lump sum		\$0.00
		SUBTOTAL	\$0.00
C. CLEARING AND GRUBBING	lump sum		\$0.00
		SUBTOTAL	\$0.00
D. EARTHWORK			
<u>Embankment</u>			
In-Place Embankment	0 cubic yards @ \$9.00		\$0.00
Borrow Incl Haul	0 cubic yards @ \$5.00		\$0.00
Grading Complete	lump sum		\$1,030,000.00

Excavation

Soil	0 cubic yards @ \$2.60	\$0.00
Rock	0 cubic yards @ \$10.00	\$0.00

Miscellaneous

Wick Drains	0 linear feet @ \$1.00	\$0.00
Filter Fabric	0 square yards @ \$7.00	\$0.00
Channel Excavation	0 cubic yards @ \$6.75	\$0.00
Drill Holes	0 linear feet @ \$2.00	\$0.00

SUBTOTAL \$1,030,000.00

E. BASE AND PAVING

Aggregate Base

Graded Aggregate 6"	0 square yards @ \$7.50	\$0.00
Graded Aggregate 10"	155,223 square yards @ \$20.00	\$3,104,467.56

Asphalt Paving

12.5mm Superpave	34,347 tons @ \$72.00	\$2,472,969.92
19mm Superpave	41,096 tons @ \$63.00	\$2,589,064.24
25mm Superpave	95,092 tons @ \$62.00	\$5,895,696.84
Leveling	30,297 tons @ \$75.00	\$2,272,297.50
Tack Coat	51,898 gallons @ \$1.75	\$90,821.37
Milling	321,062 square yards @ \$2.00	\$642,124.44

SUBTOTAL \$17,067,441.86

F. DRAINAGE

Cross Drain System

15" Conc. Pipe	0 linear feet @ \$23.00	\$0.00
18" Conc. Pipe	0 linear feet @ \$28.00	\$0.00
24" Conc. Pipe	0 linear feet @ \$36.41	\$0.00
30" Conc. Pipe	0 linear feet @ \$43.50	\$0.00
36" Conc. Pipe	0 linear feet @ \$53.22	\$0.00
42" Conc. Pipe	0 linear feet @ \$63.10	\$0.00
48" Conc. Pipe	0 linear feet @ \$72.84	\$0.00
15" F.E.S.	0 each @ \$289.01	\$0.00
18" F.E.S.	0 each @ \$374.83	\$0.00
24" F.E.S.	0 each @ \$390.96	\$0.00
30" F.E.S.	0 each @ \$519.30	\$0.00
36" F.E.S.	0 each @ \$628.51	\$0.00
42" F.E.S.	0 each @ \$752.59	\$0.00
48" F.E.S.	0 each @ \$1,300.00	\$0.00

Longitudinal System

15" Conc. Pipe	1700 linear feet @ \$39.00	\$66,317.94
18" Conc. Pipe	3968 linear feet @ \$43.00	\$170,612.82
24" Conc. Pipe	0 linear feet @ \$52.00	\$0.00

Drainage Structures

Catch Basins	0 each @ \$1,520.00	\$0.00
Drop Inlets	57 each @ \$2,000.00	\$114,000.00
Manholes	59 each @ \$2,000.00	\$118,000.00

Drainage Lump Sum

Cost per Mile	0 miles @ \$350,000.00	\$0.00
	SUBTOTAL	\$468,930.76

G. CONCRETE WORK

Approach Slabs	0 square yards \$120.00	\$0.00
Median Barrier - sidewalk	0 lump sum	\$0.00
"V" Gutter	0 linear feet @ \$10.00	\$0.00
Curb and Gutter (Type 7)	0 linear feet @ \$10.00	\$0.00
Valley Gutter	0 square yards \$30.00	\$0.00
Conc. Median Barrier, Met	0 linear feet @ \$23.00	\$0.00
Median Paving	0 square yards \$35.00	\$0.00
	SUBTOTAL	\$0.00

H. TRAFFIC CONTROL

lump sum	\$200,000.00
SUBTOTAL	\$200,000.00

I. EROSION CONTROL

lump sum	\$125,000.00
SUBTOTAL	\$125,000.00

J. GUARDRAIL

lump sum	\$20,000.00
SUBTOTAL	\$20,000.00

K. SIGNS, STRIPING, SIGNALS, LIGHTING

Striping -signals - signs	lump sum		\$25,000.00
Roadside Signs	lump sum		\$25,000.00
Overhead Signs w/ Lights	each @	\$0.00	\$0.00
Traffic Signals	each @	\$40,000.00	\$0.00
Lighting	lump sum		\$0.00
Signal Modification	lump sum		\$0.00
		SUBTOTAL	\$50,000.00

L. GRASSING/LANDSCAPING

	lump sum		\$20,000.00
		SUBTOTAL	\$20,000.00

M. MISCELLANEOUS

	lump sum		\$0.00
		SUBTOTAL	\$0.00

N. MAJOR STRUCTURES

Bridge	square feet @	\$50.00	\$0.00
<u>Box Culverts</u>			
Concrete	cubic yards @	\$320.00	\$0.00
Bar Reinf. Steel	pounds @	\$0.50	\$0.00
		SUBTOTAL	\$0.00

ESTIMATE SUMMARY

A. Right of Way	\$0.00
B. Reimbursable Utilities	\$0.00

CONSTRUCTION COST SUMMARY

C. Clearing and Grubbing	\$0.00
D. Earthwork	\$1,030,000.00
E. Base and Paving	\$17,067,441.86
F. Drainage	\$468,930.76
G. Concrete Work	\$0.00
H. Traffic Control	\$200,000.00
I. Erosion Control	\$125,000.00
J. Guardrail	\$20,000.00
K. Signs, Striping, Signals, Lighting	\$50,000.00
L. Grassing/Landscaping	\$20,000.00
M. Miscellaneous	\$0.00

SUBTOTAL CONSTRUCTION \$18,981,372.62

N. Major Structures	\$0.00
---------------------	--------

SUBTOTAL \$18,981,372.62

1 Years of Inflation at 15 % E & C *	4 %	\$759,254.90
		\$2,961,094.13

TOTAL CONSTRUCTION ESTIMATE \$22,701,721.66

10% E & C plus an additional 5%
for uncertainty of conceptual quantities