ORIGINAL TO GENERAL FILES

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-018-1(59) Paulding County
P.I. No. 621570
SR 61/Widening/Reconstruction

OFFICE Preconstruction

DATE September 2, 2004

FROM 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

DISTRIBUTION:

David Mulling
Harvey Keepler
Jerry Hobbs
Jamie Simpson
Michael Henry
Phillip Allen
Joe Palladi (file copy)
Brent Story
Kent Sager
BOARD MEMBER

RECEIVED
AUG 1 0 2004
BY:

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE NH-018-1(59) Paulding
PI # 621570

OFFICE Road Design

DATE August 10, 2004

Gerald M. Ross wm

FROM Gerald M. Ross, P.E., State Road and Airport Design Engineer

TO Meg Pirkle, P.E., Assistant Director of Preconstruction

SUBJECT **Revised Project Concept Report:** ***Widening and reconstruction of SR61 from SR 120 Connector to US278/SR 120/SR 6.***

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

The original south project terminus for SR 61 was at the SR 120 Connector (Hiram Sudie Road). Original traffic forecasts showed a decrease in traffic on SR 61 south of the SR 120 Connector. Traffic forecasts for 2007 and 2027 now show that the decrease in traffic on SR 61 occurs south of CR 467 (Dallas Nebo Road). It is proposed that the terminus be moved from the SR 120 Connector to approximately 950-ft south of CR 467.

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).

GMR:JGM:WT:ss

Attachment: Revised Project Concept Report

Joseph P Palladi
State Transportation Planning Administrator

8/18/04
Date

cc: David Mulling, Project Review Engineer
Harvey Keepler, State Environmental/Location Engineer
Phillip Allen, State Traffic Safety and Design Engineer
Joe Palladi, State Transportation Planning Administrator
Jamie Simpson, Financial Management Administrator
Kent Sager, District 6 Engineer
Paul Liles, State Bridge Engineer

ROUTING
☒ Chamica ☐ Joe
☒ Ulysses ☐ Chamica
☒ Rovanna ☐ Meg

REVISED PROJECT CONCEPT REPORT

Need and Purpose: Project NH-018-1(59) provides additional capacity required for future growth in the area as SR 61 is the only continuous north-south corridor in Paulding County linking Dallas to both Cartersville (north) and I-20 (south). The purpose of this widening project is to ease traffic congestion and increase safety along this busy stretch of roadway.

Project location: SR 61 from SR 120 Connector/Hiram Sudie Rd to US 278/SR 120/SR 6/Dallas Bypass in Paulding County.

Description of the approved concept: The approved concept for Project No.STP-018-1(59) consists of widening and reconstruction of SR 61. The existing roadway is a 2-lane/3-lane section with 12 ft lanes and 4 ft grassed shoulders. The proposed project's approved concept typical section is a 4-lane section with 12 ft lanes, 10 ft outside shoulders with 4 ft paved, and a 20 ft raised median. The double 5' X 5'culvert at Mill Creek and the two single 4' X 4' box culverts are to be extended. The project is 3.2 miles long. The existing bridge structure, project number BRN-NH-018-1(60), over the Silver Comet Trail will be widened from 38 ft to 92 ft.

PDP Classification: Major Project

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

Functional Classification: Rural Minor Arterial

U.S. Route Number(s): **State Route Number(s):** 61

Traffic (AADT) as shown in the approved concept:
Current Year: 16,850 (1998) Design Year: 29,650 (2018)

Proposed features to be revised: In order to address the increased traffic on SR 61 between SR 120 Connector/Hiram Sudie Rd and CR 467/Dallas Nebo Road, it is proposed that the southern project terminus be moved south of CR 467/Dallas Nebo Rd.

Describe the revised features to be approved: The proposed revision to the approved concept report is to extend the southern terminus of the project from SR 120 Connector/Hiram Sudie Rd (mile point 7.10) to just south of CR 467/Dallas Nebo Rd (mile point 6.20) adding 0.9 miles to the project length.

Update traffic data (AADT):
Current Year: 23,350 (2007) Design Year: 38,700 (2027)

Programmed/Schedule:
P.E.: Underway R/W: 2004 (proposed 2006) Construction: 2007 (proposed 2008)

Revised cost estimates:
Construction cost including inflation and E&C: $10,275,500
1. Right of way: $5,687,600
2. Utilities: Local Government

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

Project NH-018-1(59) is ARC Project No. PA-003 in the Atlanta Region 2025 Regional Transportation Plan (RTP) with project termini of SR 120 Connector and US 278/SR 6 and a Network Year of 2010. The 2025 RTP also has ARC Project No. PA-021 in Long Range status with SR 61 termini of CR 277 (Nebo Road) and SR 120 Connector and a Network Year of 2010. Extending Project NH-018-1(59) south as proposed should be in compliance with the 2025 RTP since both ARC projects are roadway capacity expanding SR 61 from 2 to 4 thru lanes. ARC project fact sheets for PA-003 and PA-021 are attached.

Recommendation: It is recommended that these changes be approved.

Concur: _____
Director of Preconstruction

Approve: _____
Chief Engineer

Attachments:
Location Sketch Map
ARC Project Fact Sheets
Updated Traffic Data Diagrams
Revised Cost Estimate

PA-021

Atlanta Region - 2025 Regional Transportation Plan

PROJECT FACT SHEET

PROJECT DEFINITION

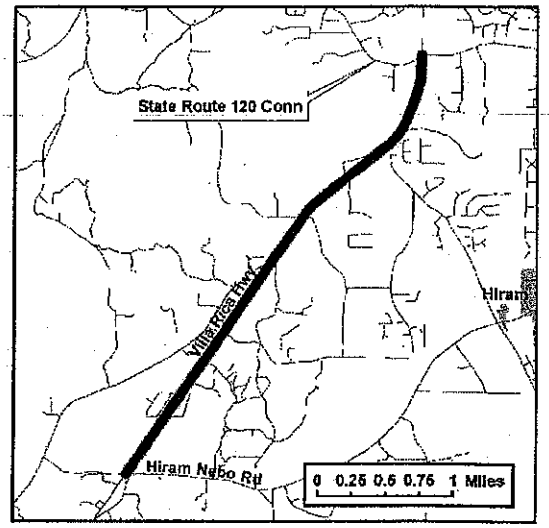
Short Title: SR 61 FROM NEBO RD TO SR 120 CONN

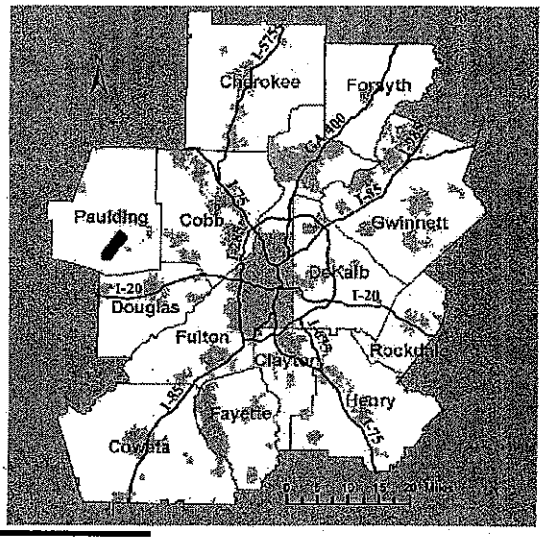
GDOT Project No.:

Federal ID No.:

Status: Long Range

Detailed Description and Justification:





Service Type: Roadway Capacity

Sponsor: GDOT

Jurisdiction: Paulding County

Congress District: 7

Completion Date: 2010

Existing Thru Lane: 2 *(applicable for roadway projects only)*

Planned Thru Lane: 4 *(applicable for roadway projects only)*

Corridor Length: 4.00 miles *(not applicable for all project types)*

PLANNING AND IMPLEMENTATION DETAILS

Analysis Level: NW

Network Year: 2010 *(required if modeled for conformity)*

Total Project Cost: $12,000,000

- **Funded in Previous TIP**: $0
- **Funded in Current TIP**: $0 *(see table below for details)*
- **Future Long Range Funds (RTP)**: $12,000,000 *(see table below for details)*

Primary Funding Source: GDOT - Funding by GA Department of Transportation

Phase Status and Funding Information for 03-05 TIP

	STATUS	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
				FEDERAL	STATE	BONDS	LOCAL/OTHER
Preliminary Engineering / Design / Study			$0	$0	$0	$0	$0
Right-of-way Acquisition			$0	$0	$0	$0	$0
Construction / Implementation (Year 1)			$0	$0	$0	$0	$0
Construction / Implementation (Year 2)			$0	$0	$0	$0	$0
Construction / Implementation (Year 3)			$0	$0	$0	$0	$0
Future Long Range Funds (RTP)		N/A	$12,000,000	$0	$12,000,000	$0	$0

? All projects listed are contained in the 2025 Regional Transportation Plan. Some or all may also be included in the FY 2003-2005 Transportation Improvement Program. For additional information about this project, please visit the Atlanta Regional Commission at www.atlantaregional.com or call (404) 463-3100.

ARC

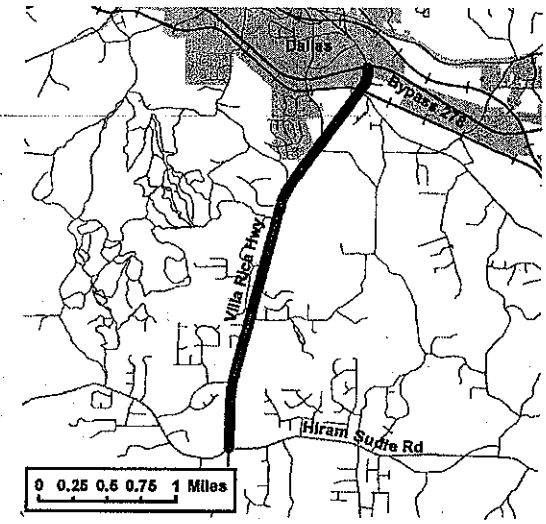
PA-003

Atlanta Region - 2025 Regional Transportation Plan

PROJECT FACT SHEET

PROJECT DEFINITION

Short Title: SR 61 FROM SR 120 CONN - HIRAM-SUDIE ROAD TO US 278/SR 6-JIMMY LEE CAMPBELL PKWY

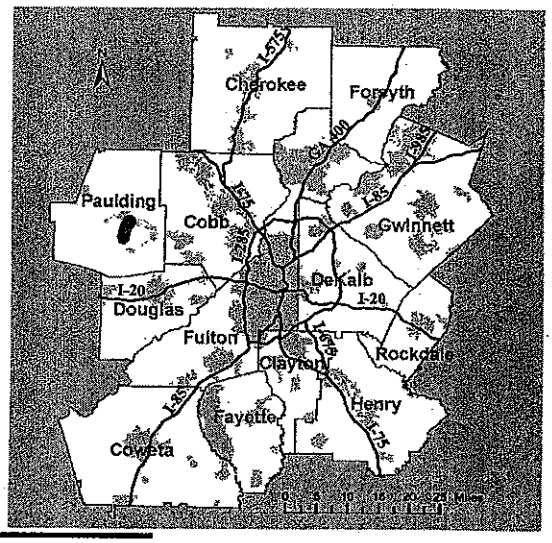


GDOT Project No.: 621570

Federal ID No.:

Status: Programmed

Detailed Description and Justification:



Service Type: Roadway Capacity

Sponsor: GDOT

Jurisdiction: Paulding County

Congress District: 7

Completion Date: 2007

Existing Thru Lane: 2 *(applicable for roadway projects only)*

Planned Thru Lane: 4 *(applicable for roadway projects only)*

Corridor Length: 3.00 miles *(not applicable for all project types)*

PLANNING AND IMPLEMENTATION DETAILS

Analysis Level: NW

Network Year: 2010 *(required if modeled for conformity)*

Total Project Cost: $13,761,000

- **Funded in Previous TIP**: $0
- **Funded in Current TIP**: $13,761,000 *(see table below for details)*
- **Future Long Range Funds (RTP)**: $0 *(see table below for details)*

Primary Funding Source: Q05 - National Highway System

Phase Status and Funding Information for 03-05 TIP

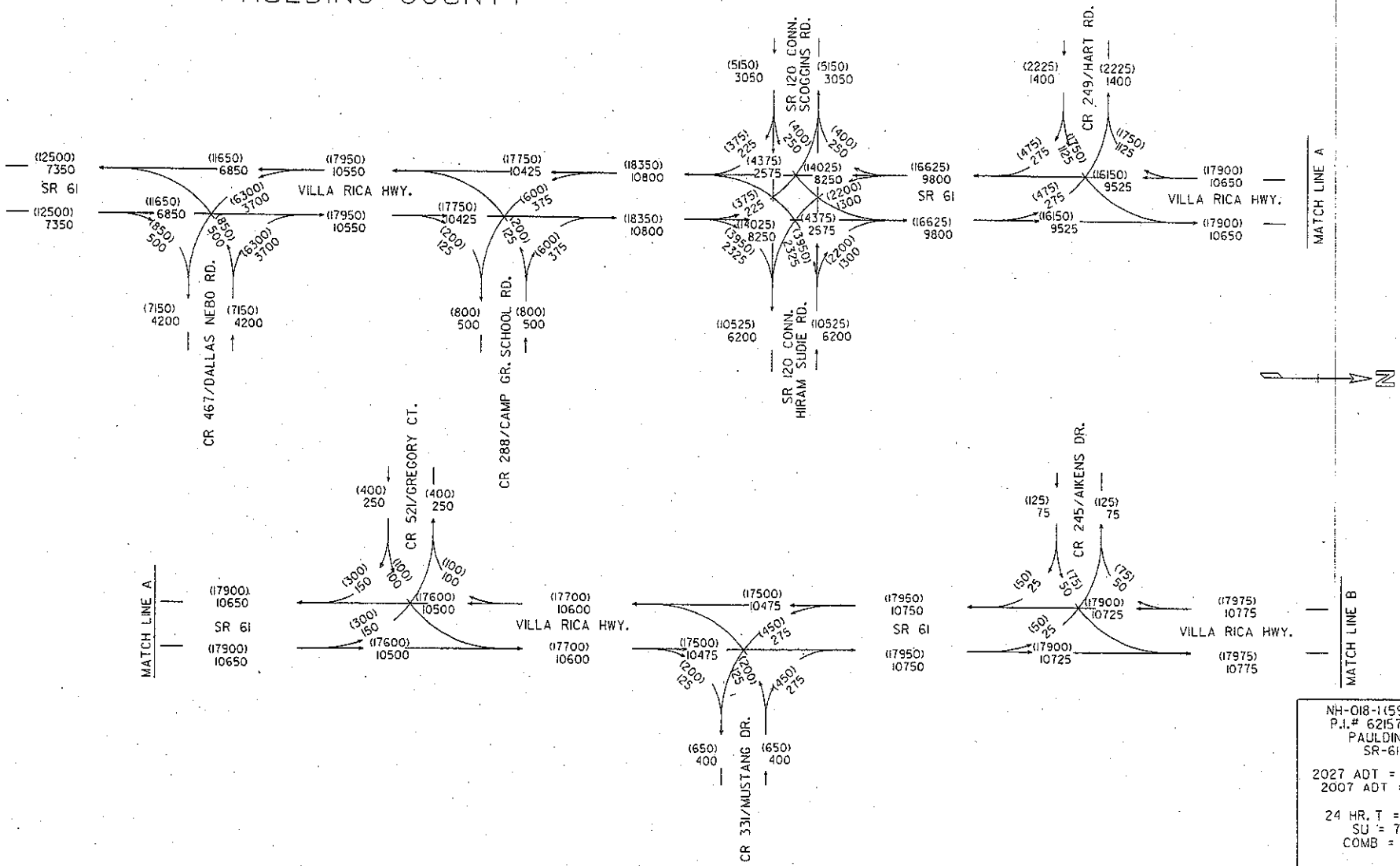
	STATUS	FISCAL YEAR	TOTAL PHASE COST	BREAKDOWN OF TOTAL PHASE COST BY FUNDING SOURCE			
				FEDERAL	STATE	BOND	LOCAL/OTHER
Preliminary Engineering / Design / Study	AUTH		$0	$0	$0	$0	$0
Right-of-way Acquisition		2004	$4,375,000	$3,500,000	$875,000	$0	$0
Construction / Implementation (Year 1)		2005	$9,386,000	$7,508,800	$1,877,200	$0	$0
Construction / Implementation (Year 2)			$0	$0	$0	$0	$0
Construction / Implementation (Year 3)			$0	$0	$0	$0	$0
Future Long Range Funds (RTP)		N/A	$0	$0	$0	$0	$0

? All projects listed are contained in the 2025 Regional Transportation Plan. Some or all may also be included in the FY 2003-2005 Transportation Improvement Program. For additional information about this project, please visit the Atlanta Regional Commission at www.atlantaregional.com or call (404) 463-3100.

ARC

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION

PAULDING COUNTY



NH-018-1(59)
P.I.# 621570
PAULDING
SR-61

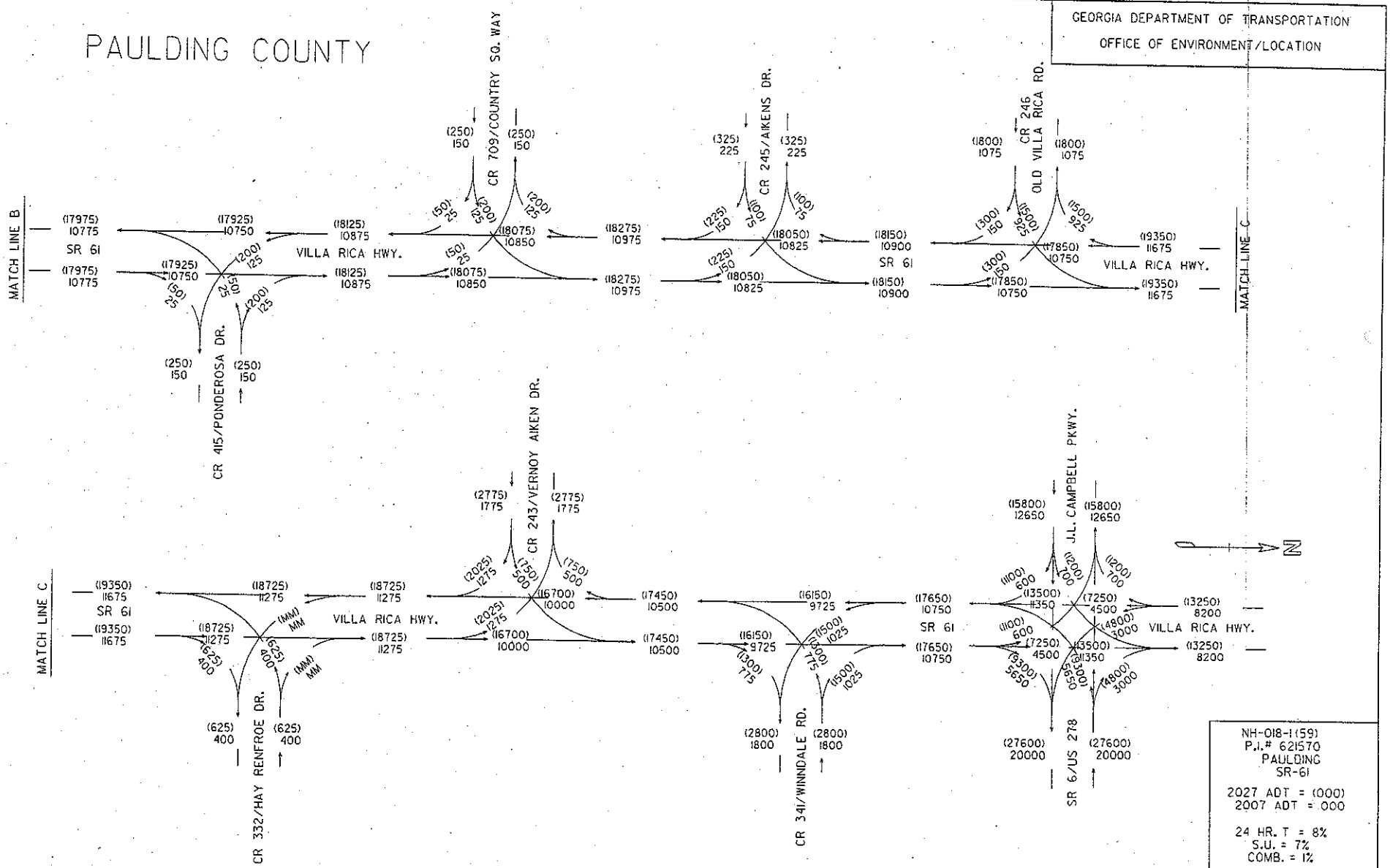
2027 ADT = (000)
2007 ADT = 000

24 HR. T = 8%
SU = 7%
COMB = 1%

TJW
06/02

PAULDING COUNTY

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION



NH-018-1(59)
P.I.# 621570
PAULDING
SR-61

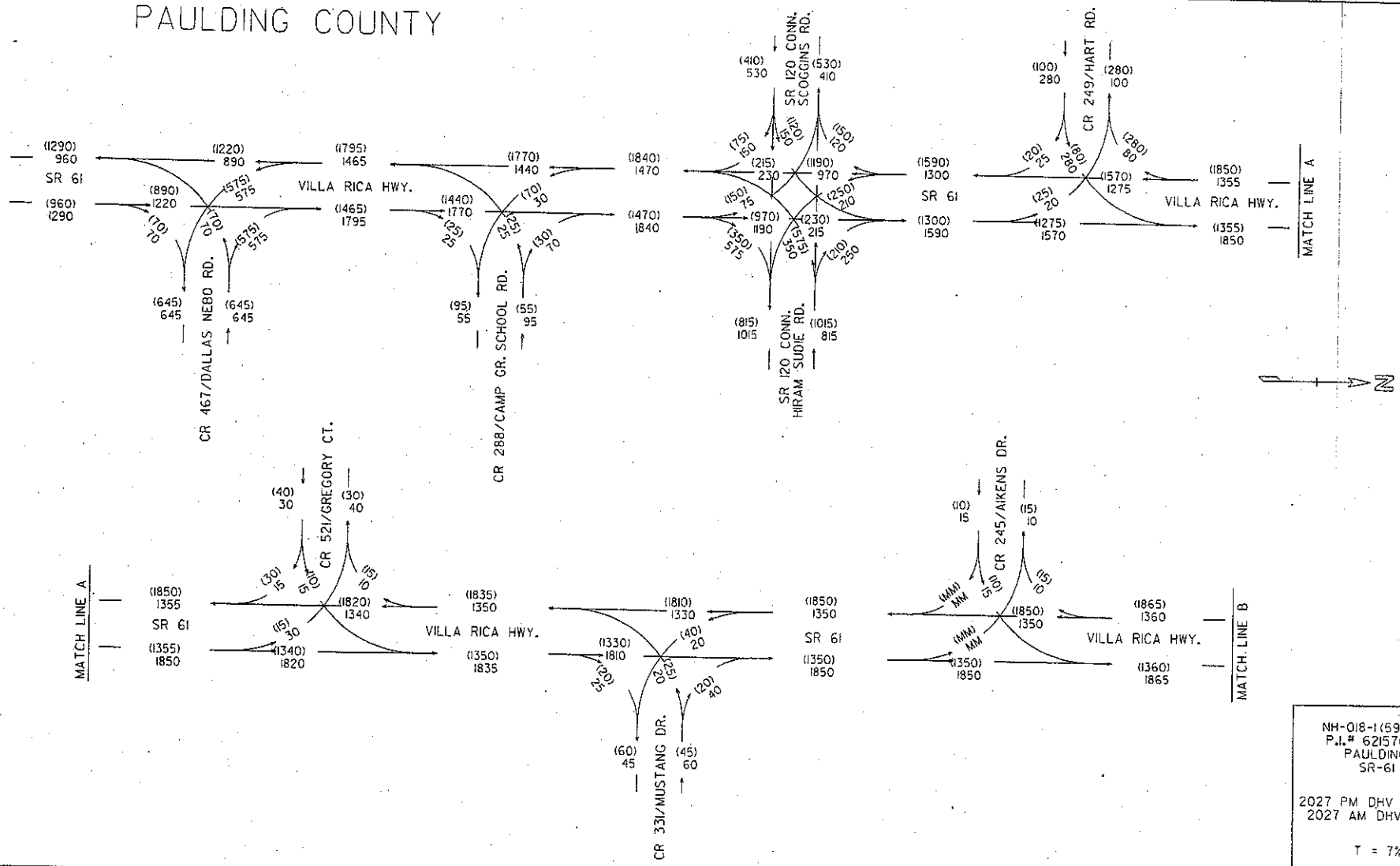
2027 ADT = (000)
2007 ADT = 000

24 HR. T = 8%
S.U. = 7%
COMB. = 1%

TJW
06/02

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION

PAULDING COUNTY



NH-018-1(69)
P.I.# 621570
PAULDING
SR-61

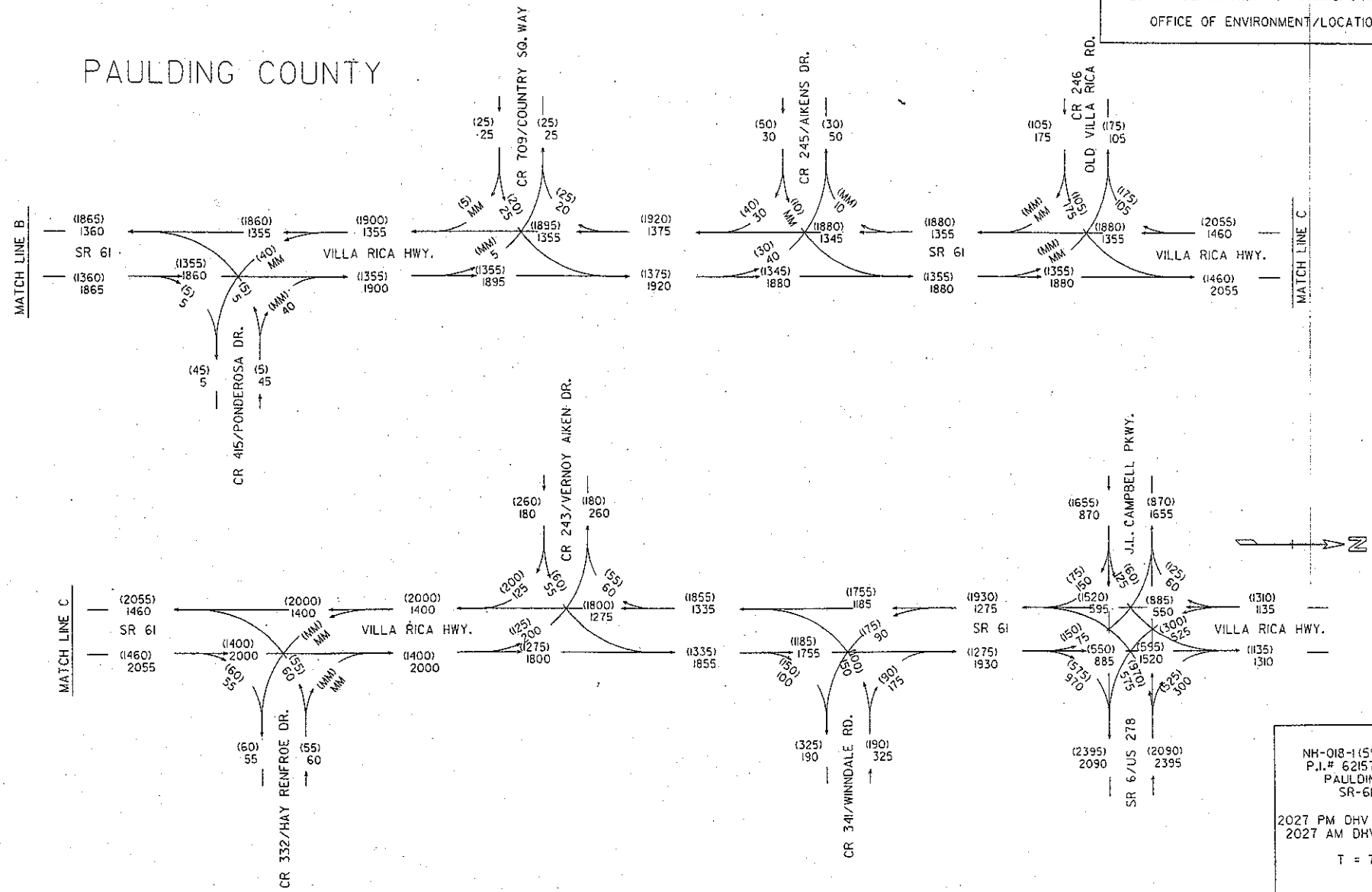
2027 PM DHV = (000)
2027 AM DHV = 000

T = 7%

TJW
06/02

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF ENVIRONMENT/LOCATION

PAULDING COUNTY



NH-018-1(59)
P.I.# 621570
PAULDING
SR-61

2027 PM DHV = (000)
2027 AM DHV = 000

T = 7%

TJW
06/02

PRELIMINARY COST ESTIMATE

PROJECT NUMBER: NH-018-1(59)

PI/COUNTY: 621570 (Paulding)

DATE: August 6, 2004

ESTIMATED LETTING DATE: FY08

PREPARED BY: Erik Rohde

PROJECT LENGTH: 4.10 Miles

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

ESTIMATE REVISED TO REFLECT EXTENDING PROJECT LENGTH BY 0.9 MILES

PROJECT COST		
A. RIGHT-TO-WAY:		
1. PROPERTY (LAND & EASEMENT)		$ 0
2. DISPLACEMENTS		$ 0
3. OTHER COST (ADM./COST, INFLATION)		$ 0
	SUBTOTAL:	$ 5,687,500
B. REIMBURSABLE UTILITIES:		
1. RAILROAD		$ 0
2. TRANSMISSION LINES		$ 0
3. SERVICES		$ 0
	SUBTOTAL:	0
C. CONSTRUCTION:		
1. MAJOR STRUCTURES		$ 0
a. RETAINING WALLS	360 CY @ $365/CY	$ 131,400
b. BRIDGES		$ 0
c. DETOUR BRIDGES		$ 0
d. BOX CULVERTS	355' Double (5'x5') 150' Single (4'x4')	$ 175,000
	SUBTOTAL:C-1	$ 306,400
2. GRADING AND DRAINAGE:		0
a. EARTHWORK		$ 1,900,000
b. DRAINAGE:		
1) Cross Drain Pipe		$ 156,000

PROJECT COST					
2) Curb and Gutter	21100 LF @ $10/LF			$	211,000
3) Longitudinal System 3900' of 18" @ $30/LF, 460' of 30"@ $40/LF, 23 CATCH BASINS @ $1650/EA, 10 FES @ $750/EA, 1 SPILLWAY @ $1350/EA				$	182,200
			SUBTOTAL:C-2	$	2,449,200
3. BASE AND PAVING:					
a. AGGREGATE BASE	12" GAB	86450 tons	$15/TON	$	1,296,750
b. ASPHALT PAVING: Surface	12.5 mm	15600 tons	$40/TON	$	624,000
Binder	19 mm	19500 tons	$40/TON	$	780,000
Base	25 mm	22100 tons	$40/TON	$	884,000
c. CONCRETE PAVING				$	0
d. MILLING AND SAWING				$	0
d. OTHER: LEVELING, TACK	2340 tons @ $40/TON, 15600 gal @ $1/GAL			$	109,200
			SUBTOTAL:C-3	$	3,693,950
4. LUMP ITEMS:					
a. TRAFFIC CONTROL				$	250,000
b. CLEARING AND GRUBBING	65 ACRES @ $5000/ACRE			$	325,000
c. LANDSCAPING				$	30,000
d. EROSION CONTROL				$	200,000
			SUBTOTAL:C-4	$	805,000
5. MISCELLANEOUS:					
a. APPROACH SLABS	500 SY @ $110.00/SY			$	55,000
b. SIGNING – STRIPING – SIGNAL				$	37,700
c. GUARDRAIL 1300 LF W Beam @ $15/SY, 300 LF T-Beam @ $41/SY, 7 TP-1 @ $400/EA, 7 TP-@ 12 $1300/EA				$	43,700
d. Median Barrier (TEMP.)	21,600 LF @ $26/LF			$	561,600
			SUBTOTAL:C-5	$	698,000
6. SIGNAL MODIFICATIONS: NEW SIGNAL	SR61 @ SR120 Connector and SR61 @ US 278 SR61 @ Dallas/Nebo Rd.		SUBTOTAL:C-6	$	120,000

ESTIMATE SUMMARY			
A. RIGHT-OF-WAY		$	5,687,500
B. REIMBURSABLE UTILITIES			
C. CONSTRUCTION			
1. MAJOR STRUCTURES		$ 306,400	
2. GRADING AND DRAINAGE		$ 2,449,200	
3. BASE AND PAVING		$ 3,693,950	
4. LUMP ITEMS		$ 805,000	
5. MISCELLANEOUS		$ 698,000	
6. SIGNAL MODIFICATION		$ 120,000	
SUBTOTAL CONSTRUCTION COST		$ 8,072,550	
E. & C. (10%)		$ 807,255	
INFLATION (5% PER YEAR COMPOUNDED)		$ 1,399,680	
NUMBER OF YEARS	3.0		
TOTAL CONSTRUCTION COST		$	10,279,485
GRAND TOTAL PROJECT COST		$	15,966,985