

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 631630-, Paulding County **OFFICE** Preconstruction
NH000-0018-01(070)
SR 61 at CR 472/Ridge Road & **DATE** September 21, 2007
CR 215 Mulberry Rock Road Intersection Imps.

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

- Brian Summers
- Glenn Bowman
- Ken Thompson
- Michael Henry
- Keith Golden
- Angela Alexander
- Paul Liles
- Kent Sager
- Dewayne Comer
- BOARD MEMBER

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE: ~~STP-018-11(70)~~ ^{NH000-0018-01(070)} Paulding County OFFICE: District 6
P.I. 631630 DATE: August, 2007

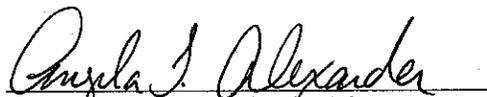
FROM: Kent L. Sager – District 6 Engineer
TO: Genetha Rice-Singleton - Assistant Director of Preconstruction
SUBJECT: Revised Project Concept Report

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

There is an existing gas station at the Northwest quadrant of the intersection of SR 61 and Mulberry Rock Road. Due to the presence of underground storage tanks at this parcel and limited Right of Way there are limited opportunities for grading in the shoulders, it is proposed that curb and gutter be installed along the frontage of the parcel to cut down on grading needed and stay within the Right of Way restrictions. The area is flat and there are signs of poor drainage. The incorporation of the curb and gutter will aid in providing adequate drainage for the area and incorporating required drainage structures.

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

DATE 9/4/07


State Transportation Planning Director

Pending approval of ENvisio6 TIP

Distribution:

David Moore – District 6 Design Engineer
Glenn Bowman, P.E. - State Environment/Location Engineer
Keith Golden, P.E. - State Traffic Safety and Design Engineer
Gerald Ross – Division of Transportation Planning Director
Jamie Simpson - Financial Management Administrator

REVISED PROJECT CONCEPT REPORT

~~STP-018-11(70)~~

PI 631630, Paulding County

Need and Purpose: To improve the safety and orderly progression of traffic through the intersection. To construct left and right turn lanes on all approaches of the intersection and install a stop & go traffic signal.

Project location: Located 8.2 miles southwest of the city of Dallas in Paulding County on SR 61 at the intersection with CR 472 and CR 215.

Description of the approved concept:

PDP Classification: Major _____ Minor X

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

Functional Classification: SR 61 – Rural Principle Arterial
CR 472 – Rural Local Road
CR 215 – Rural Major Collector

U. S. Route Number(s): State Route Number(s): SR 61
CR 472/ Ridge Road
CR 215/ Mulberry Rock Road

Traffic (AADT) as shown in the approved concept:

Current Year: SR 61 - 4700 (1994 ADT) Design Year: N/A
CR 472 - 2700 (1994 ADT) Design Year: N/A
CR 215 - 1600 (1994 ADT) Design Year: N/A

Proposed features to be revised:

SR 61: 2 - 12' travel lanes (one in each direction) with 12' left and right turn lanes in each direction, 10' shoulders (2' paved, 8' grassed).

CR 472 & CR 215: 2 - 12' travel lanes (one in each direction) with 12' left and right turn lanes in each direction, 10' shoulders (2' paved, 8' grassed).

Max Grade: +/-4 percent

The original concept report for this proposed intersection improvement project was revised due to right of way restrictions and existing underground storage tanks located in the northwest quadrant along the frontage of an existing gas station.

Describe the revised feature(s) to be approved:

A revision to the typical section is needed for this project. Curb and gutter with a 2' grass strip and 5' sidewalk will be added along the northwest quadrant and throughout the frontage of the existing gas station. The curb and gutter will be incorporated to stay within the Right of Way constraints due to the underground storage tanks and aid in providing adequate drainage in the area. Curb and gutter will also be replaced and tied to the existing curb and gutter along the right side of SR 61 headed in the northern direction. A revision to the maximum grade is also needed. The max grade should be increased to +/-4 percent.

Updated traffic data (AADT):

Current Year: SR 61 – 10,930 (2007)	Design Year: SR 61 – 23,470 (2027)
CR 472 – 8,570 (2007)	Design Year: CR 472 – 18,400 (2027)
CR 215 – 4,030 (2007)	Design Year: CR 215 – 8,660 (2027)

VE Study Required: Yes () No (X)

Programmed/Schedule:

P.E.: 1996/2007

R/W: 2008

Construction: LR

Revised cost estimates: see attachment

1. Construction cost including inflation and E&C,

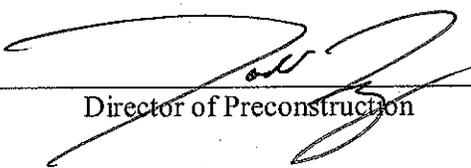
Is the project located in a Non-attainment area? Yes.

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

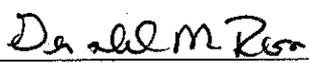
Attachments:

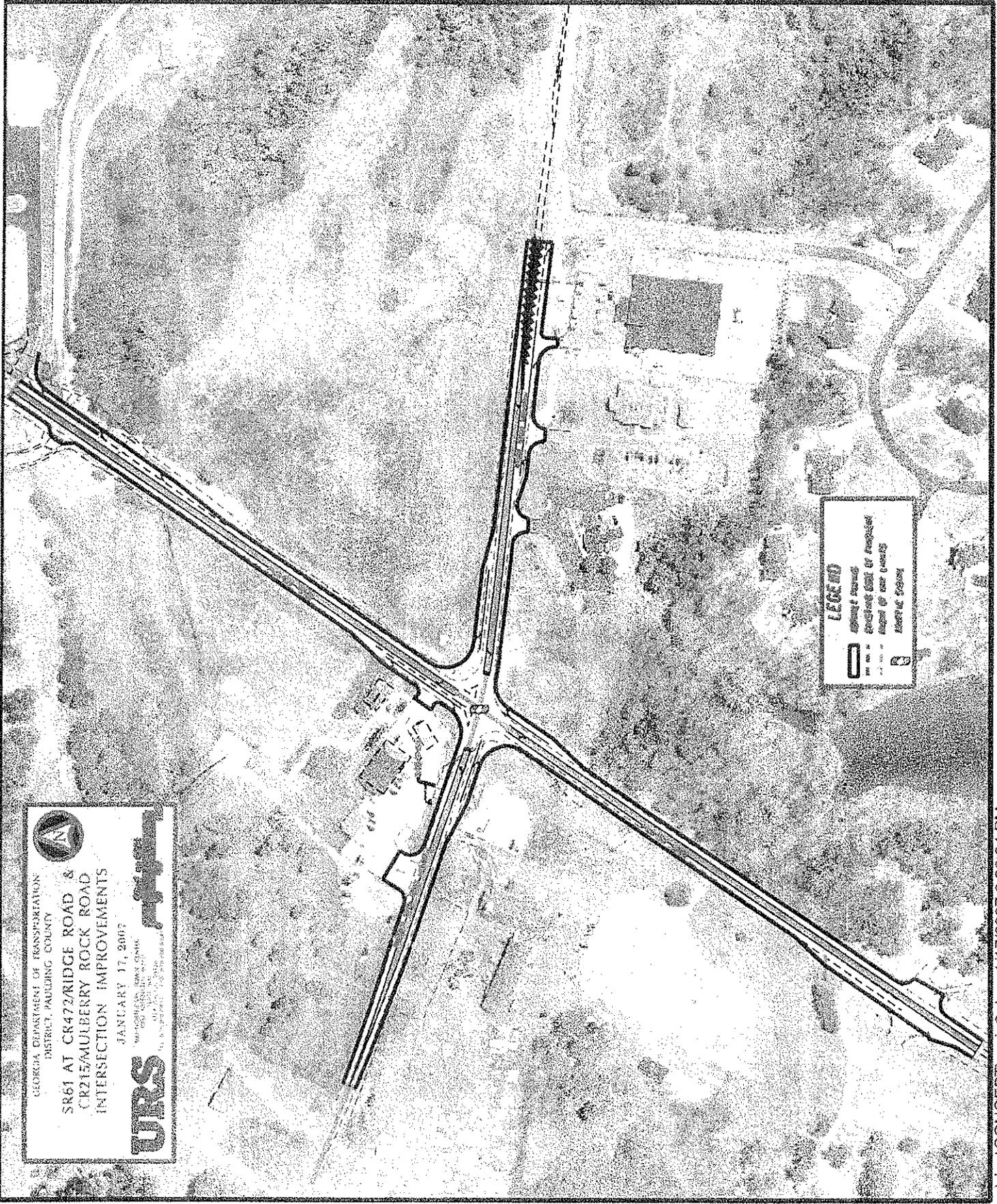
1. Sketch Map,
2. Cost Estimate,
3. Typical Sections

Concur: _____


Director of Preconstruction

Approve: _____


Chief Engineer



GEORGIA DEPARTMENT OF TRANSPORTATION
 DISTRICT, PAULDING COUNTY
SR61 AT CR472/RIDGE ROAD & CR215/MULBERRY ROCK ROAD INTERSECTION IMPROVEMENTS
 JANUARY 17, 2007

 URS
 1000 WEST 10TH AVENUE
 SUITE 1000
 DENVER, COLORADO 80202
 TEL: 303.733.4000 FAX: 303.733.4001

LEGEND
 Proposed Roadway
 Proposed Lane
 Proposed Right-of-Way
 Proposed Utility

COST ESTIMATE

PREPARED BY: Sean Pharr

PROJECT LENGTH: 0.55 miles

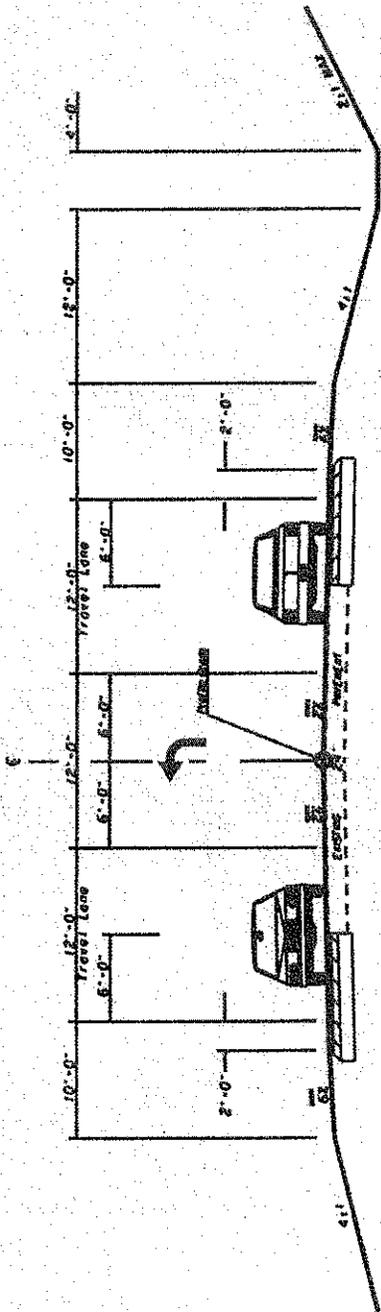
ESTIMATED LETTING DATE: November 2007

PROGRAMMING PROCESS CONCEPT DEVELOPMENT DURING PROJECT DEV.

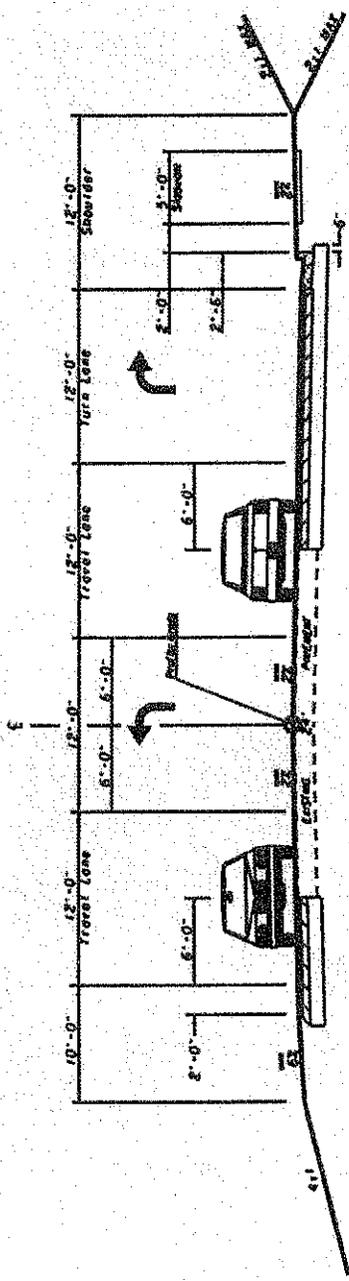
PROJECT COST– SR 61 at CR 427/ Ridge Road and CR 215/Mulberry Rock Road	
A. RIGHT-OF-WAY:	
1. PROPERTY (LAND & EASEMENT)	\$ 90,000.00
2. DISPLACEMENTS: RES: 0, BUS: 0, M.H.: 0	\$ 0.00
3. OTHER COST (ADM./COST, INFLATION)	\$ 0.00
SUBTOTAL:A	\$ 90,000.00
B. REIMBURSABLE UTILITIES: (NONE IDENTIFIED AT THIS TIME)	
1. RAILROAD	\$ 0.00
2. TRANSMISSION LINES	\$ 0.00
3. SERVICES	\$ 0.00
SUBTOTAL:B	\$ 0.00
C. CONSTRUCTION:	
1. MAJOR STRUCTURES Bridge (0 @ \$75/sf)	\$ 0.00
a. OVERPASSES	\$ 0.00
b. RETAINING WALL	\$ 0.00
SUBTOTAL:C-1	\$ 0.00
2. GRADING AND DRAINAGE:	
a. EARTHWORK	\$ 50,000.00
b. DRAINAGE:	\$ 50,000.00
SUBTOTAL:C-2	\$ 100,000.00
3. BASE AND PAVING:	
a. AGGREGATE BASE (850 tons @ \$25/ton)	\$ 21,250.00
b. ASPHALT PAVING:	

ESTIMATE SUMMARY - SR 61 at CR 427/ Ridge Road and CR 215/Mulberry Rock Road		
A. RIGHT-OF-WAY ()	\$	90,000.00
B. REIMBURSABLE UTILITIES	\$	Not included
C. CONSTRUCTION		
1. MAJOR STRUCTURES	\$	0.00
2. GRADING AND DRAINAGE	\$	100,000.00
3. BASE AND PAVING	\$	292,250.00
4. LUMP ITEMS	\$	65,000.00
5. MISCELLANEOUS	\$	107,500.00
6. SPECIAL FEATURES	\$	0.00
SUBTOTAL CONSTRUCTION COST	\$	654,750.00
E. & C. (10%)	\$	65,475.00
INFLATION (5% PER YEAR)	\$	72,823.00
NUMBER OF YEARS	2	
TOTAL CONSTRUCTION COST	\$	793,048.00
GRAND TOTAL PROJECT COST	\$	793,048.00

This project is 100 percent in Paulding County.



S. R. 61 TANGENT SECTION



S. R. 61 TANGENT SECTION
3 LANE OVERLAY & WIDEN
WITH CURB & GUTTER AND SIDEWALK

NOT TO SCALE