

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: STP-0004-00(048), Gordon County
P.I. No.: 0004048
SR 53 at CR 5/McDaniel Station Road

OFFICE: Traffic Safety and Design

DATE: November 3, 2005


FROM: Keith Golden, P.E., State Traffic Safety and 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 for approval in accordance with the Plan Development Process (PDP).

The above safety improvement concept has been approved to improve the intersection of SR 53 at CR 5/McDaniel Station Road by widening SR 53 to add right-turn lanes in both directions, extending the existing left-turn lanes, and widening CR 5 symmetrically to add left turn lanes for both approaches. The installation of a stop and go traffic signal at this intersection and interconnecting it with the adjacent signalized intersection 0.4 miles to the east has also been approved.

However, to minimize impacts on both gas utilities by avoiding a gas regulator station in the southeast quadrant of the intersection and a pond in the northeast quadrant of the intersection; CR 5 will be relocated fifty feet to the west from its existing alignment at the intersection with SR 53. Curb and gutter and sidewalk will be added to CR 5, north of the intersection with SR 53 to tie into a recently built city project. Realigning CR 5 will require additional right of way.

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 _____

State Transportation Planning Administrator

Distribution:

Brian Summers, State Project Review Engineer
Harvey Keeper, State Environmental/Location Engineer
Joe Palladi, State Transportation Planning Administrator
Jamie Simpson, State Financial Management Administrator
Thomas Howell, District Engineer-Thomaston

REVISED PROJECT CONCEPT REPORT

GORDON COUNTY

STATE ROUTE NO: 53

GADOT P.I. NO: 0004048

Need and Purpose: Nineteen accidents occurred at this intersection from 2003-2005, including twelve angle accidents, five rear-end accidents, one head-on, and one sideswipe accident. Extending existing left-turn lanes and installing right-turn lanes on S.R. 53, realigning C.R. 5/McDaniel Station Road fifty feet to the west to add left-turn lanes on both approaches and installing an auxiliary right-turn lane in north direction, along with the installation of a traffic signal, should reduce the number of accidents. To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

Project location: The intersection of S.R. 53 at C.R. 5/McDaniel Station Road is located 0.5 mile west of the City of Calhoun and 1.1 miles east of S.R. 53 Spur in Gordon County.

Description of the approved concept: S.R. 53 will be widened to add right-turn lanes in both directions and existing left-turn lanes will be extended. C.R. 5 will be widened 7 ft. symmetrically to add left-turn lanes for both approaches. A stop and go traffic signal will be installed at the intersection and interconnect cable will be installed to the adjacent signalized intersection approximately 0.4 miles to the east.

PDP Classification: Minor Existing

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

Functional Classification: S.R. 53 –Rural Principle Arterial, C.R. 5 – Rural Minor Arterial

U. S. Route Number(s): _____ **State Route Number(s):** S.R. 53 _____

Traffic (AADT) as shown in the approved concept:

Current Year: 1999 ADT – 17,100 (S.R. 53)/2,200 (C.R. 5) Design Year: N/A

Proposed features to be revised: C.R. 5 will be widened 7 ft. symmetrically to add left-turn lanes for both approaches. Widening C.R. 7 ft. symmetrically will have impact on a gas regulator station in the southeast quadrant of the intersection and will impact a pond in the northeast quadrant.

Describe the revised feature(s) to be approved:

C.R. 5/McDaniel Station Road will be relocated fifty feet to the west from its existing alignment and one auxiliary right-turn lane will be installed on northbound direction. Curb and gutter and sidewalk will be added to the C.R. 5-northside of the intersection to tie into a recently built city project.

The project termini on C.R. 5 have been modified for the realignment. The project along C.R. 5 now begins at milepost 0.84 and ends at mile post 1.20.

Updated traffic data (AADT):

Current Year: 2009 – 22,100 (SR 53) Design Year: 2029 – 30500 (SR 53)
Current Year: 2009 – 3000 (CR 5) Design Year: 2029 – 4150 (CR 5)

Previously Programmed/Schedule:

P.E.: \$5000 R/W: \$74,000 Construction: \$725,000

Revised/current cost estimates:

1. Construction cost including inflation and E&C: \$1,029,304.70
2. Right-of-way: \$100,000
3. Utilities: \$82,549

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

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

Attachments:

1. Sketch Map,
2. Cost Estimate,

• **Exempt projects**

Concur: _____
Director of Preconstruction

Approve: _____
Chief Engineer

SCORING RESULTS AS PER TOPPS 2440-2

Project Number:	County:	PI No.:
Report Date:	Concept By:	
	DOT Office:	
<input type="checkbox"/> CONCEPT		
	Consultant:	

Project Type: Choose One From Each Column	<input type="checkbox"/> Major	<input type="checkbox"/> Urban	<input type="checkbox"/> ATMS
	<input type="checkbox"/> Minor	<input type="checkbox"/> Rural	<input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous

FOCUS AREAS	SCORE	RESULTS
Presentation		
Judgement		
Environmental		
Right of Way		
Utility		
Constructability		
Schedule		