

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

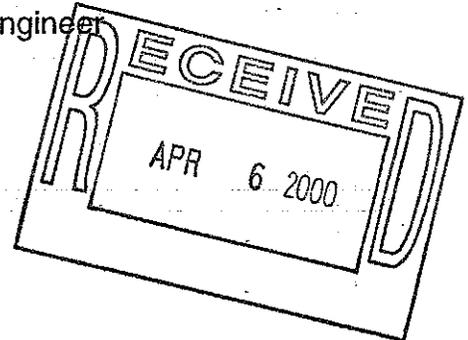
INTERDEPARTMENT CORRESPONDENCE

FILE: STP-0000-00(818) Coweta County
P.I. No.: 0000818
SR 16 @ SR 74/85
Intersection Improvements

OFFICE: Traffic Operations
Atlanta, Georgia
DATE: April 6, 2000

FROM: ^{MGW} Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO: Glenn Durrence, District Engineer, Thomaston
Attn: David Millen



SUBJECT: APPROVED CONCEPT REPORT

Attached is a copy of the approved-concept report and a copy of our files on the above listed project for your use and further handling.

This project consists of reconstructing the intersection to provide left turn lanes on all approaches and the upgrade of a existing traffic signal.

By copy of this letter, this office is transmitting a copy of the approved concept report to the Office of Environmental/Location for their use in performing the appropriate environmental studies.

Should you have any questions, please contact Ken Werho of this office at 404-635-8125.

MGW:KPW

Attachments

- cc: Frank Danchetz
Tom Turner, w/attach.
David Mulling, w/attach.
Wayne Hutto, w/attach.
Herman Griffin, w/attach.
David Studstill, w/attach.
Keith Rohling, w/attach.
Dick Graves, w/attach.
General Files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

PROJECT CONCEPT REPORT

COWETA COUNTY

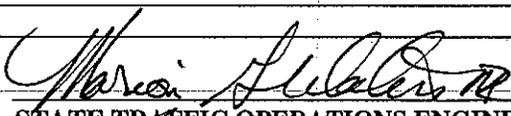
STP-0000-00(818)

FEDERAL ROUTE NO:
STATE ROUTE NO: 16 & 74/85
GADOT P.I. NO: 0000818

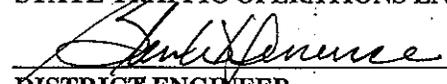
**SEE ATTACHED
LOCATION SKETCH**

Date of Report: January 19, 2000

RECOMMENDED: 1-20-2000
DATE


STATE TRAFFIC OPERATIONS ENGINEER

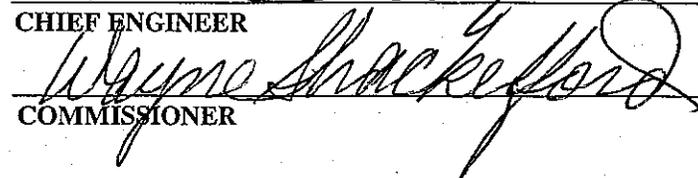
RECOMMENDED: 1/31/00
DATE


DISTRICT ENGINEER

RECOMMENDED: 2/9/00
DATE


CHIEF ENGINEER

APPROVED: 2-10-00
DATE

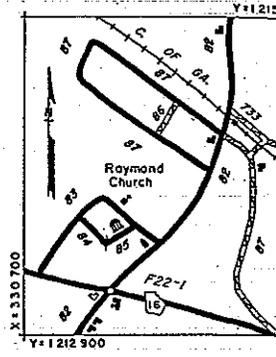
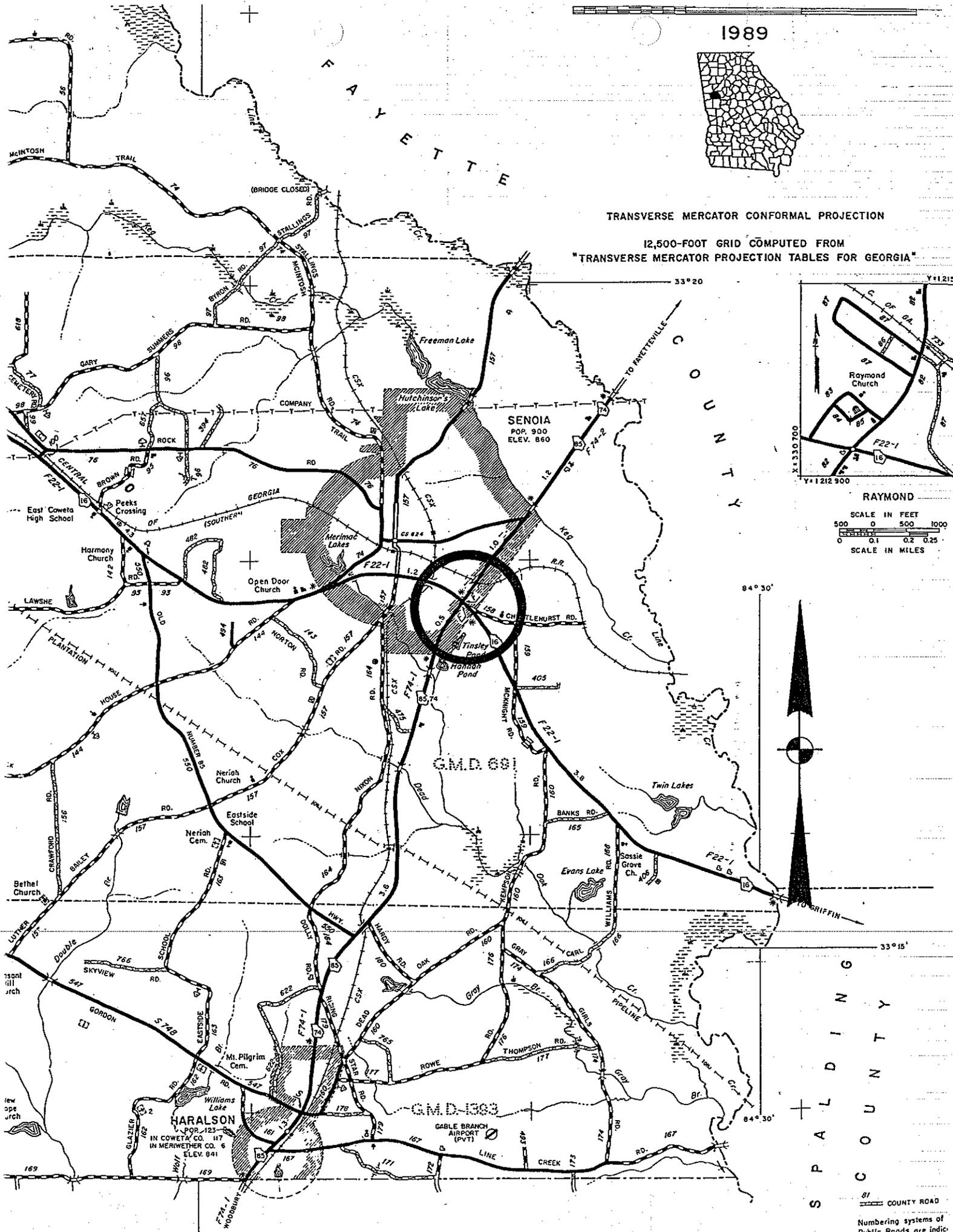

COMMISSIONER

1989



TRANSVERSE MERCATOR CONFORMAL PROJECTION

12,500-FOOT GRID COMPUTED FROM "TRANSVERSE MERCATOR PROJECTION TABLES FOR GEORGIA"



SCALE IN FEET
500 0 500 1000
SCALE IN MILES
0 0.1 0.2 0.25



Numbering systems of Public Roads are indicated by asterisks. * indicates a City Street.

PROJECT CONCEPT REPORT

P.I. No.: 0000818

Project No.: STP-0000-00(818) Coweta County

Route No.: S.R. 16
 S.R. 74/85

Location: The intersection of SR. 16 @ S.R. 74/85 is located approximately 0.13 miles east of the Senoia City Limits and 2.18 south of the Fayette County Line in Coweta County.

Description: S.R. 16 will be widened 6 feet symmetrically to provide a left turn lane with an additional 12 foot auxiliary right turn lane in both directions.
 S.R. 74/85 will be widened 6 feet symmetrically to provide a left turn lane with an additional 12 foot auxiliary right turn lane in both directions.

Traffic – Current ADT: S.R. 16 ----- 5,600 (1998 ADT)
 S.R. 74/85 ----- 4,900 (1998 ADT)

Existing Typical: S.R. 16: 2 – 12 ft. travel lanes, one in each direction, with variable grassed shoulders.

S.R. 74/85: 2 – 12 ft. travel lanes, one in each direction, with variable grassed shoulders.

Existing Right of Way: S.R. 16 ----- 100' (Estimated)
 S.R. 74/85 ----- 80' (Estimated)

Existing Traffic Control: This intersection is controlled by a stop & go traffic signal.

Existing Major Structures: None.

Statement of Need & Purpose: Accident history for this location shows eight accidents over a four year period. The operational improvements to the intersection will greatly enhance the operational efficiency of this intersection. To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

Bike & Pedestrian Considerations: None.

Length: 0.57 miles

<u>Termini:</u>	- SR 16 -	- S.R. 74/85 -
<u>From M.P.:</u>	27.94	2.03
<u>To M.P.:</u>	28.23	2.32

PDP Class: Minor Existing

Functional Class: S.R. 16 ----- Rural Principal Arterial
S.R. 74/85 ----- Rural Minor Arterial

Max Degree of Curve: +/- 1 Degrees **Max Grades:** +/- 2.0 %

Design Speed: 55 mph

Proposed Typical Section: S.R. 16: 2 – 12 ft. travel lanes, one in each direction, with a 12 ft. left & right turn lane in both directions.

S.R. 74/85: 2 – 12 ft. travel lanes, one in each direction, with a 12 ft. left and right turn lane in both directions.

Proposed major structures: None.

Type Access: By Permit.

Traffic Control During Construction: Existing operation shall be maintained during construction.

Right-of-Way Requirement: Coweta County shall be responsible for the acquisition of all Required Right-of-Way for this project.

Utilities: Coweta County shall be responsible for all Utility adjustments.

Estimated Cost:

<u>Item</u>	<u>Total Amount</u>
R/W -----	\$ 0 (By County LGPA)
Utilities -----	\$ 0 (By County LGPA)
Estimated LGPA Total -----	\$ 0
Construction -----	\$ 206,108
Traffic Signal -----	\$ 50,000
Railroad Equipment -----	\$ 0
E & C 10% -----	\$ 25,611
Total Construction -----	\$ 281,719

*By DOT per Com Shaehlford
mgl
2/10/2000.*

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

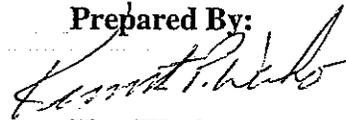
Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

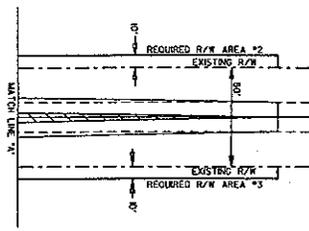
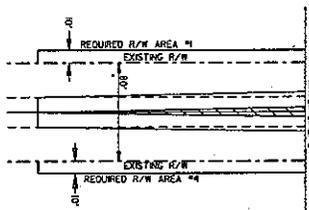
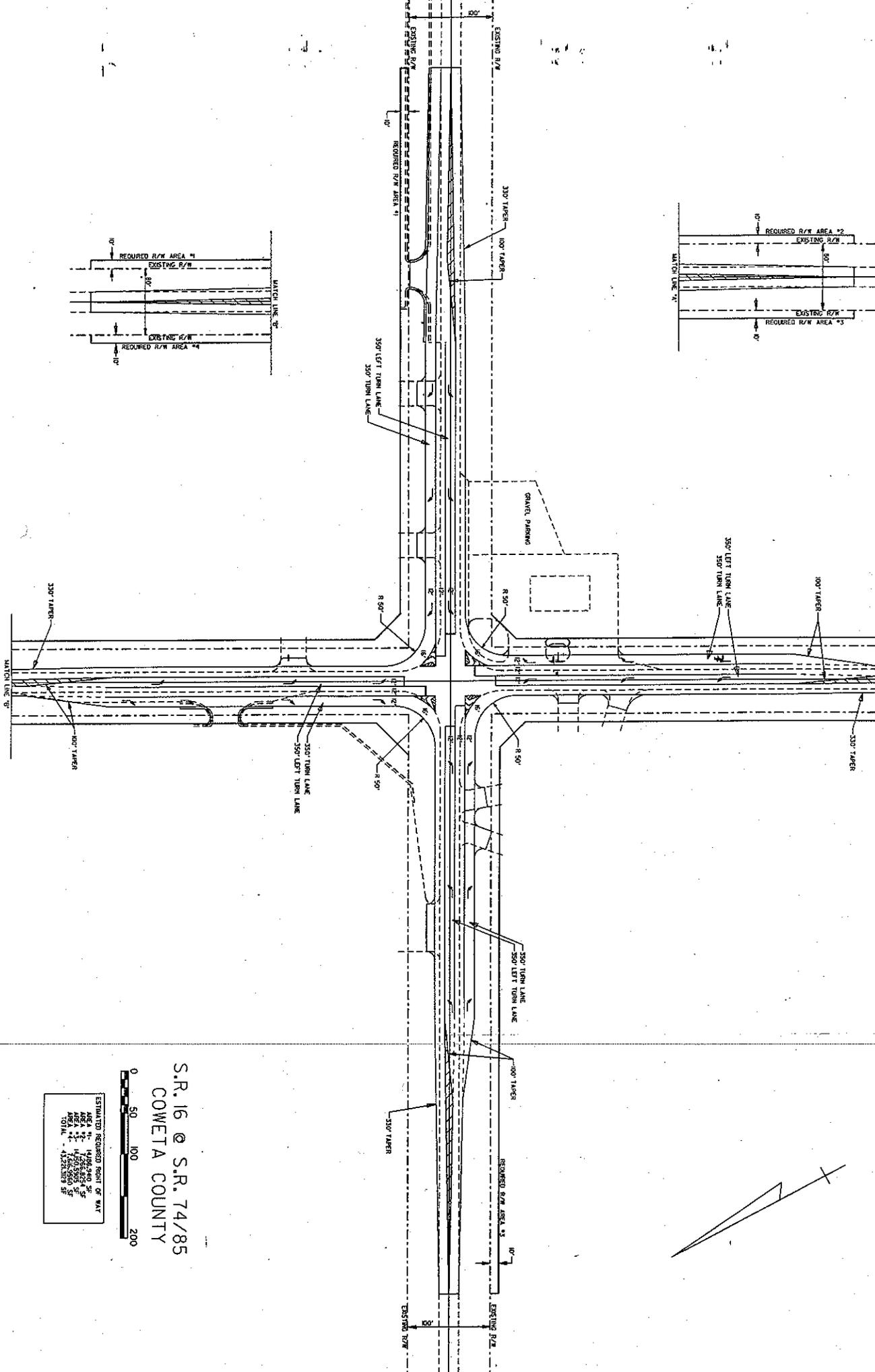
Alternatives Considered: None.

Comments:

Prepared By:

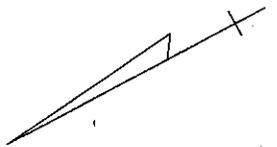


Ken Werho



S.R. 16 @ S.R. 74/85
 COMETA COUNTY

ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1	14,000,000 SF
AREA #2	14,000,000 SF
AREA #3	14,000,000 SF
AREA #4	14,000,000 SF
TOTAL	56,000,000 SF





Ken Wehlo
Dis look at for site
Project for turn lane

Department of Transportation

3

WAYNE SHACKELFORD
COMMISSIONER
(404)656-5206

FRANK L. DANCHETZ
CHIEF ENGINEER
(404)656-5277

State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

STEVEN L. PARKS
DEPUTY COMMISSIONER
(404)656-5212

BILLY F. SHARP
TREASURER
(404)656-5224

March 17, 1999

Mr. Fred Evans
215 Walker Avenue
Fayetteville, Georgia 30215

Subject: Coweta County
City of Senoia
State Route 85 at State Route 16

Dear Mr. Evans:

I am writing in response to your letter to Commissioner Shackelford in which you expressed concern with the intersection of State Route 85 and State Route 16 in the City of Senoia.

I was able to visit this site last week. As stated in your letter, the unpaved shoulder between the eastbound deceleration lane for the Chevron station and the intersection is being used by motorists. From my observations, many motorists become impatient in waiting for the signal and use the shoulder to make a right turn from State Route 16 to State Route 85 or use the shoulder to pass other motorists which are waiting to make a left turn. I also observed the problem you noted in your letter. As a motorist approaches the intersection from the east on the upgrade on State Route 16, the deceleration lane is encountered and it is not obvious that this is not a turn lane for the intersection.

As a short term solution to this problem, I will ask our District Office to review this location and add the necessary pavement markings and signing to more clearly delineate the deceleration lane for the Chevron station. This should help alleviate the problem noted in your letter. As a long term solution, I will investigate the possibility of programming an intersection improvement project to add right and left turn lanes at the intersection. The addition of turn lanes at the intersection will separate the left, through and right turning traffic and result in an intersection that operates more safely and efficiently.



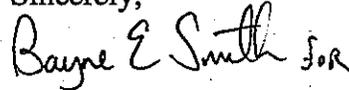
Mr. Evans

Page 2

March 16, 1999

Thank you for bringing this matter to our attention. If I can be of further assistance, please feel free to contact me at 404-635-8117.

Sincerely,



Marion G. Waters, III, P.E.
State Traffic Operations Engineer

MGW:BES

Cc: Commissioner Shackelford
Sam Wellborn, State Transportation Board
Larry Seabrook, Director of Operations
Keith Rohling, District Traffic Engineer

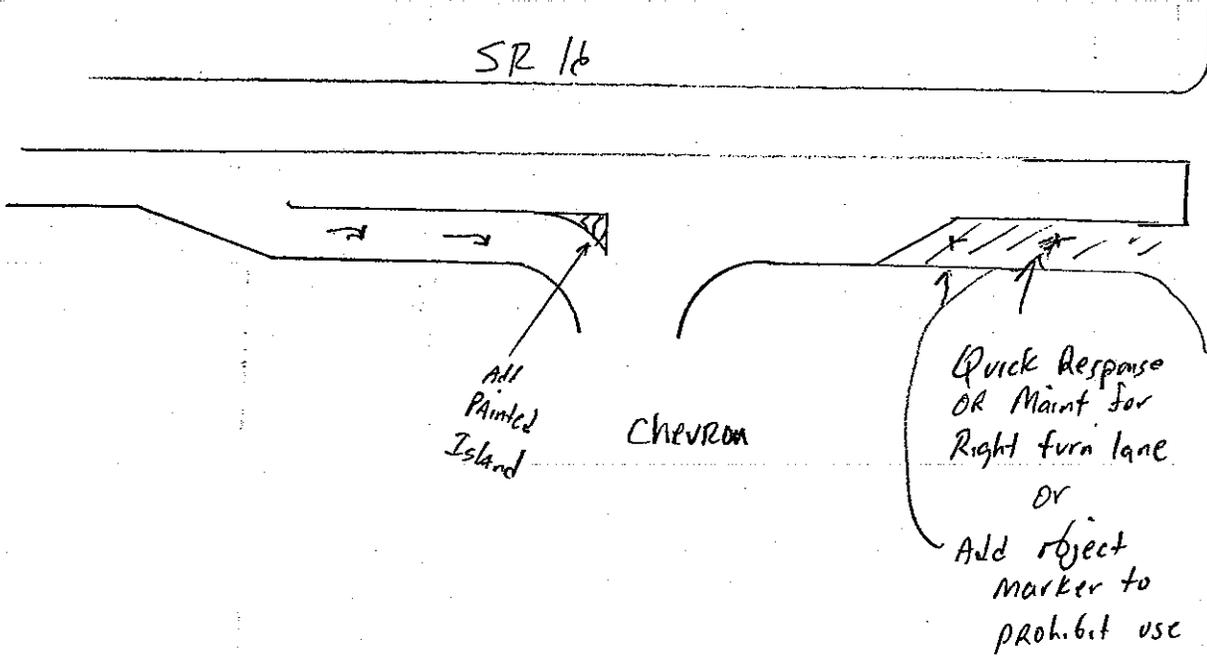
From the Desk of

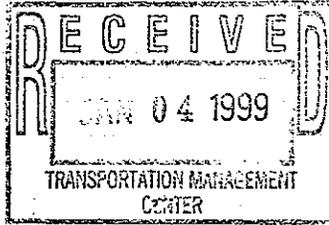
Bayne Smith, Assistant State Traffic Operations Engineer

March 16, 1999

Keith,

I will ask Ken Werho to investigate this location for a safety project to add turn lanes. As a short term measure, please consider the following:





Minor water
12.28.98

215 Walker Avenue
Fayetteville, Georgia 30215
December 21, 1998

Mr. Wayne Shackelford
Commissioner
Department of Transportation
State of Georgia
#2 Capitol Square, S. W.
Atlanta, Georgia 30334-1002

Dear Sir:

Wednesday, December 16, I drove from Fayetteville to Senoia, Georgia. At the intersection of Georgia Highway 85 and 16 I noticed a hazard that needs correcting. There is a right turn lane in addition to the normal traffic lane prior to this intersection. I entered this lane to turn right on Highway 16 and was very much surprised to find that it ended at the Service Station. It did not continue the few feet to Highway 16. I had two choices, get back in the paved through traffic lane, or continue on the unpaved shoulder of Highway 85 to Highway 16. Either choice created an additional hazard as the traffic moves fast through this intersection and the shoulder is extremely rough.

I would appreciate your assistance in extending this turn lane to Georgia Highway 16 to clear up this hazard. You may call me at 770-461-3103 if you have any questions. Thank you in advance for your attention to this matter.

01/20/99

*KR will email response.
Will take a look @ it
today.*

Sincerely,

Fred Evans

Fred Evans



Smith, Bayne

From: Rohling, Keith [Keith.Rohling@dot.state.ga.us]
Sent: Wednesday, January 20, 1999 2:19 PM
To: Smith, Bayne; White, Virginia
Subject: SR 16 @ SR 74/85

This is a signalized intersection. There was a permit to remove three driveways and install two driveways to the north-west corner lot. The permit placed the radius return for the driveways 100 from the intersection radius. We have been instructed not to require this extension several times in the past. We have also began getting complaints from areas where we have extended the turn lanes due to accidents where people get into turn lane to early. Unless we can get a full length right turn lane for these intersections and the property owner is receptive, we are not including this in their permit. I do feel that this would be a candidate location for intersection improvements since we are missing left turn lanes.

Please advise if we are to take other action.

Keith

*Bill original request
give copy to me
B*

*GA 85 & GA 16
391010699*