

*Simon - update fabrication*

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

RECEIVED  
OCT 21 1994  
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE NH-022-1(23), COWETA COUNTY OFFICE Traffic Operations  
P.I. NO. 332180 Atlanta, Georgia  
SR 16 AT SR 54 DATE October 20, 1994  
INTERSECTION IMPROVEMENTS

FROM *MGW* Marion G. Waters, III, P.E., State Traffic Operations Engineer  
TO Van Etheridge, P.E., District Engineer - Thomaston  
Attention: Gordon Brown

SUBJECT APPROVED CONCEPT REPORT

Attached is a copy of the approved Concept Report on the above listed project for your further handling.

An LGPA has been requested for appropriate costs for possible utility relocations and for right-of-way acquisition for the subject project. As soon as it has been approved, we will transmit relevant documents to your office.

If you should have any questions concerning this, please contact Harry Graham of this office at Gist 223-9599.

MGW:HG

Attachments

- cc: Frank Danchetz
- John Lively, W/atts
- Bob Mustin, W/atts
- Wayne Hutto, W/atts
- Herman Griffin, W/atts
- Keith Rohling - Thomaston, W/atts
- General Files, W/Originals

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

Intersection Improvement  
State Route 16 at State Route 54  
Coweta County

NH-022-1(23)

Federal Route No.: None  
State Route No: 16 & 54  
GaDOT P.I.No.: 332180

SEE LOCATION SKETCH  
(Next Page)

Date of Report: September 19, 1994

Recommended:

9-26-94

*D. V. Ethridge*

Date

District Engineer

Recommended:

9/22/94

*M. G. Waters, P.E.*

Date

State Traffic Operations Engineer

Recommended:

10/5/94

*J. H. Dandridge*

Date

Chief Engineer

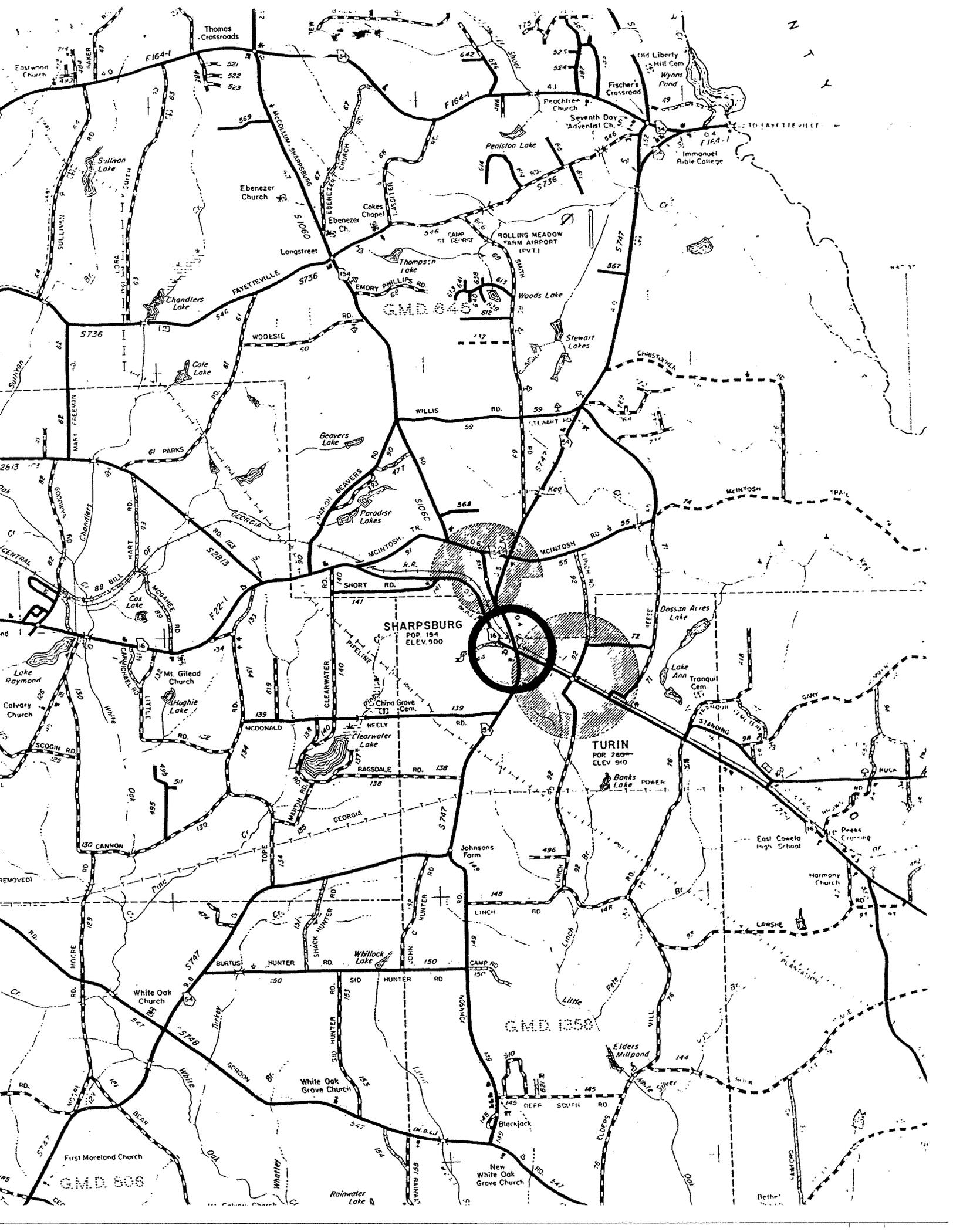
Approved:

10-5-94

*Wayne Shackelford*

Date

Commissioner



**PROJECT CONCEPT REPORT**

**P.I. NO.:** 332180

**PROJECT NO.:** NH-022-1(23) Coweta

**ROUTE NO.:** SR 16 & SR 54

**LOCATION:** The intersection of SR 16 and SR 54 between Sharpsburg and Turin in eastern Coweta County.

**TRAFFIC - CURRENT ADT:** 6032 AADT (SR 16)  
4972 AADT (SR 54)

**EXISTING TYPICAL SECTION:** SR 16 has a 7.32 m asphalt paved travelway with 2.13 m grass shoulders (rural section). SR 54 has a 7.32 m asphalt paved travelway with 1.52 m grass shoulders (rural section).

**EXISTING RIGHT-OF-WAY:** SR 16 has 30.48 m total; SR 54 has 24.38 m total

**EXISTING TRAFFIC CONTROL:** At the project intersection SR 16 has an overhead beacon and SR 54 is stop sign controlled.

**EXISTING MAJOR STRUCTURES:** None

**STATEMENT OF NEED/PURPOSE:** The purpose of this project is to improve the safety and capacity of SR 16 and SR 54 by providing exclusive turn lanes and improved radii at this intersection.

**LENGTH:** 0.73 km

**PDP CLASS:** Minor      **FUNCTIONAL CLASS:** Rural Principal Arterial (SR 16)  
Rural Minor Arterial (SR 54)

**MAX DEGREE OF CURVE:** None      **MAX GRADES:** 4 %

**DESIGN SPEED:** 90 kph      **POSTED SPEED:** 55 mph

**PROPOSED TYPICAL SECTION:** SR 16 will be widened 3.6 m on the south side, including a 2.4 m grass shoulder, to provide opposing left turn lanes (eastbound and westbound) and will also be widened 3.6 m on the north side, including a 2.4 m grass shoulder, to provide an exclusive right turn lane westbound onto SR 54. SR 54 will be widened 3.6 m on the west side, including a 2.4 m grass shoulder, to provide for an exclusive right turn lane southbound onto SR 16. The radii will be improved in all quadrants of the intersection.

PROPOSED MAJOR STRUCTURES: None

TYPE ACCESS: Controlled by permit.

TRAFFIC CONTROL DURING CONSTRUCTION: Traffic will be maintained through construction.

RIGHT-OF-WAY REQUIREMENT: All additional right of way to be acquired by Coweta County (LGPA).

UTILITIES: Coweta County/City of Turin to be responsible for all utility adjustments (LGPA).

ESTIMATED COST:

<u>ITEM</u>	<u>TOTAL AMOUNT</u>	
R/W.....\$	150,000	(BY LGPA)
UTILITIES.....\$	25,600	(BY LGPA)
SUB TOTAL.....	175,600	
CONSTRUCTION.....\$	123,100	
TRAFFIC SIGNAL.....	0	
INFLATION.....	0	
E&C.....	12,310	
TOTAL CONSTRUCTION.....\$	135,410	

PERMITS REQUIRED: None

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical Exclusion

LEVEL OF PUBLIC INVOLVEMENT: None

TIME SAVINGS PROCEDURES APPROPRIATE: YES (X) NO ( )

DESIGN VARIANCES REQUIRED: None

ALTERNATIVES CONSIDERED: None

PREPARED BY:

  
District Design Engineer

EXIST  
JCT 54

EXIST  
STOP  
AHEAD

972  
A.D.T.

TO SHARON  
SA 54

EXIST  
STOP  
AHEAD

121'  
100'

YIELD

EXIST  
POLE

EXIST  
STOP

REMOVE

EXIST  
STOP

100' TAPER

6,032 ADT  
TO GRIFFIN

200'

SA 16

100'

660'  
TAPER

EXIST  
STOP

EXIST  
POLE

REMOVE

EXIST CROSS  
ROAD AHEAD

SA 16

200'

CLASS 2.35'  
TIMBER POLE A6'0

2631 A.D.T.  
S.E.T.

EXIST  
STOP  
AHEAD

TO THAIN

810 A.D.T.

TO NEWMAN

EXIST CROSS  
ROAD AHEAD

EXIST  
JCT 54

660'  
TAPER

EXISTING

CONCEPT PLAN  
SA 16 @ SA 54  
CITY OF THAIN  
COWETA COUNTY

EXIST  
STOP  
AHEAD