

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: NHS-0001-00(580) Habersham County
P.I. No.: 0001580
Safety Improvements @ Various Median Openings

OFFICE: Traffic Operations
Atlanta, Georgia
DATE: September 18, 2000

For MW
FROM: Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO: Larry Dent, District Engineer, Gainesville
Attn: Todd Long

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 the reconstruction of the existing median cross overs located on S.R. 15/U.S. 441 in Habersham County.

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 Millins, w/attach.
Wayne Hutto, w/attach.
Herman Griffin, w/attach.
Harvey Keepler, w/attach.
Joe Garland, w/attach.
Dick Graves, w/attach.
Jim Chambers, Attn: Otis Clarke, w/attach.
General Files

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

PROJECT CONCEPT REPORT

**HABERSHAM COUNTY
NHS-0001-00(580)**

FEDERAL ROUTE NO: 441

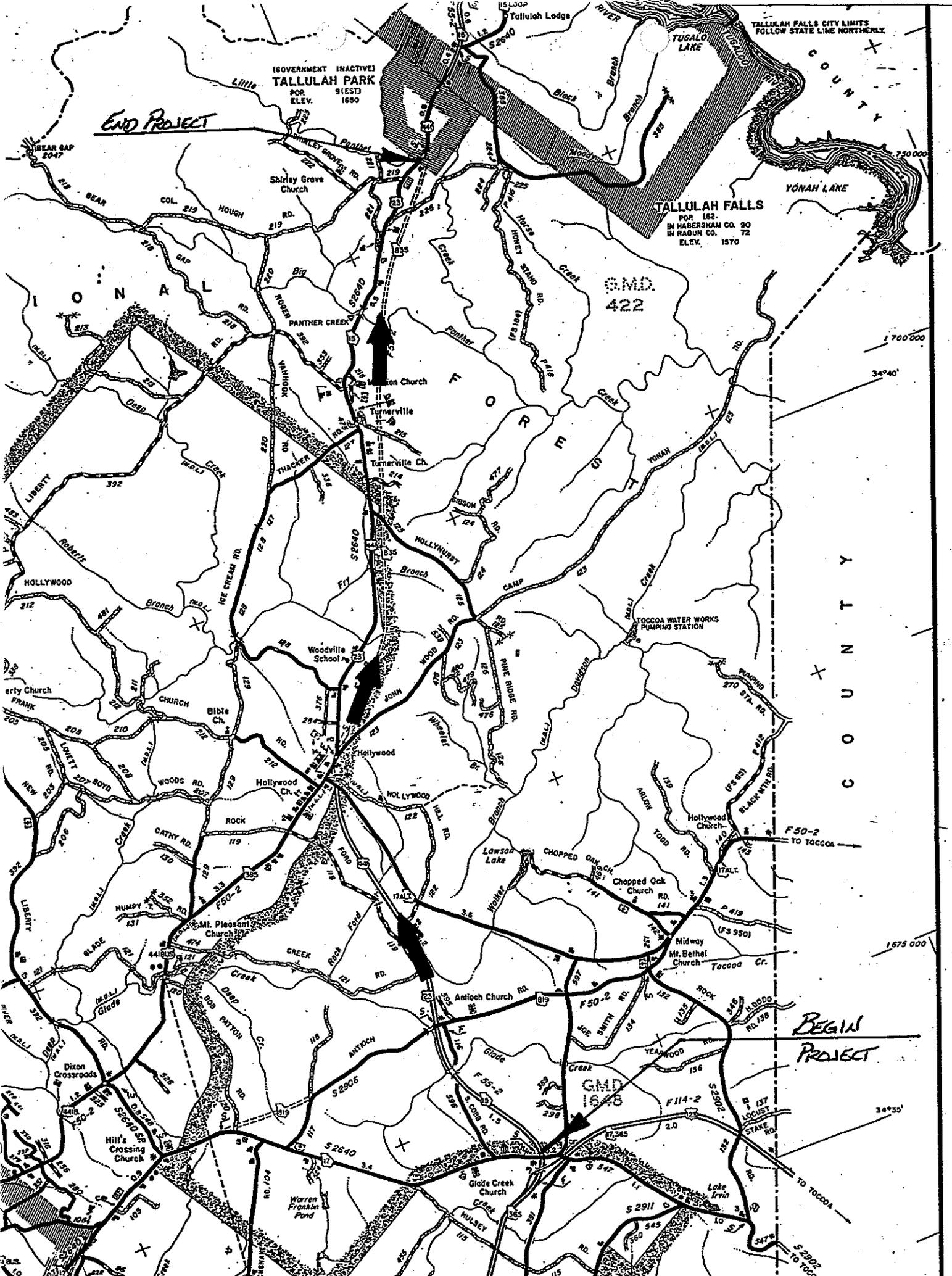
STATE ROUTE NO: 15

GADOT P.I. NO: 0001580

**SEE ATTACHED
LOCATION SKETCH**

Date of Report: August 7, 2000

RECOMMENDED:	<u>8/8/2000</u>	<u><i>Marion L. Latham</i></u>
	DATE	STATE TRAFFIC OPERATIONS ENGINEER
RECOMMENDED:	<u>8/25/2000</u>	<u><i>Zany E. Denton</i></u>
	DATE	DISTRICT ENGINEER
RECOMMENDED:	<u>9-1-00</u>	<u><i>John L. Darity</i></u>
	DATE	CHIEF ENGINEER
APPROVED:	<u>9/12/00</u>	<u><i>J. Tom Colunga</i></u>
	DATE	COMMISSIONER



END PROJECT

BEGIN PROJECT

(GOVERNMENT INACTIVE)
TALLULAH PARK
POP. 1650
ELEV. 1650

TALLULAH FALLS
POP. 162
IN HABERSHAM CO. 90
IN HABUN CO. 72
ELEV. 1570

G.M.D.
422

G.M.D.
1648

TALLULAH FALLS CITY LIMITS
FOLLOW STATE LINE NORTHERLY

C O U N T Y

F O R E

C O U N T Y

1700 000

1675 000

34°40'

34°35'

F50-2
TO TOCCOA

F50-2
TO TOCCOA

F50-2
TO TOCCOA

TOCCOA WATER WORKS
PUMPING STATION

Shirley Grove Church

Turnerville Church

Turnerville Ch.

Woodville School

Chopped Oak Church

Midway Mt. Bethel Church

Antioch Church

Hill's Crossing Church

Glouce Creek Church

Dixon Crossroads

BEAR GAP 2047

COL. 219

LIBERTY 392

HOLLYWOOD 212

CHURCH 210

NEW 205

LIBERTY 392

NEW 205

LIBERTY 392

NEW 205

LIBERTY 392

NEW 205

NEW 205

NEW 205

NEW 205

NEW 205

HOUGH RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 392

Big HUBER RD. 219

LIBERTY RD. 3

PROJECT CONCEPT REPORT

P.I. No.: 0001580
NHS-0001-00(580)

Project No.: Habersham County

Route No.: SR 15/US 441 @
Habersham County

Median X-Over MP 11.31
SR 819/Antioch Church Rd.
CR 122/Hollywood Hill Rd.
SR 17 ALT/Talmadge Dr.
CR 123/John Wood Rd.
Median X-Over MP 15.97

CR 125/Tom Born Rd.
CR 214/Panther Brook Ln.
CR 215/Glenn Hardmann Rd.
CR 644/Travis Smith Rd.
CR 225/Tugalo Short Cut Rd.
CR 648/Old US 441

Location: The project begins approximately 8.94 miles southwest of the City Limits of Tallulah Park in Habersham County and runs northbound to the City Limits of Tallulah Park in Habersham County, on SR 15/US 441.

Description: At the various locations located on this corridor the existing median cross overs will be reconstructed to provide Type "B" Median Cross Overs – Offset Left turn lanes for S.R. 15. The existing Type "A" Median Cross Overs – Adjacent Left Turn Lanes will be reconstructed as Type "B" Median Cross Overs. Right turn lanes will also be constructed and/or extended to meet speed design deceleration distances at various locations. Right turn lanes will only be constructed if they can be done within the existing R/W.

Traffic – Current ADT: S.R. 15 from:
Habersham County M.P. 11.31 to M.P. 12.52 ----- 6,500 (1998 ADT)
M.P. 12.52 to M.P. 17.89 ----- 6,200 (1998 ADT)
M.P. 17.89 to M.P. 20.25 ----- 6,600 (1998 ADT)

Existing Typical: S.R. 15: 4 – 12' Travel lanes, two in each direction, with 10' paved outside shoulder and 4' paved inside shoulder. Median width is 40' with left & right turn lanes at various locations.

Existing Right of Way: S.R. 15 ----- 300' (Estimated)

Existing Traffic Control: S.R. 15 currently has one (1) stop & go traffic signal. The side roads are controlled by stop signs.

Existing Major Structures: None.

Statement of Need & Purpose: Accident history for the years of '95 – '98 shows 37% of the accidents are angle intersecting, 28% are struck object, 19% are rear end and 10% are side swipe. The proposed improvements would decrease these numbers considerably. The offset left turn lanes will improve sight distance to on coming traffic. The construction of these turn lanes would allow vehicles to move out of the flow of traffic to decelerate, decreasing rear end and side swipe accidents. To improve the safety and orderly progression of traffic through the corridor and help eliminate angle intersecting, rear end and side swipe accidents, these improvements are recommended.

Length: 8.94 miles

Termini: - SR 15 -

From M.P.: 11.31

To M.P.: 20.25

PDP Class: Minor Existing

Functional Class: S.R. 15 – 11.31 mp to 20.25 mp ----- Rural Principal Arterial

Max Degree of Curve: +/- 2 Degrees

Max Grades: +/- 3.0 %

Design Speed: 55 & 65 mph

Proposed Typical Section: S.R. 15: 4 – 12' Travel lanes two in each direction, with 10' paved outside and 4' paved inside shoulders with 12' left & right turn lanes added or reconstructed at median cross overs.

Proposed major structures: None.

Type Access: By Permit.

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

Right-of-Way Requirement: Georgia Department of Transportation shall be responsible for the acquisition of all Required Right-of-Way for this project. None anticipated.

Utilities: Georgia Department of Transportation shall be responsible for all Utility adjustments.

Estimated Cost:

<u>Item</u>	<u>Total Amount</u>
R/W -----	\$ 0 (Ga. D.O.T.)
Utilities -----	\$ 0 (Ga. D.O.T.)
Estimated LGPA Total -----	\$ 0
Construction -----	\$ 3,161,296
Traffic Signal -----	\$ 50,000
E & C 10% -----	\$ 321,130
Total Construction -----	\$ 3,532,426

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

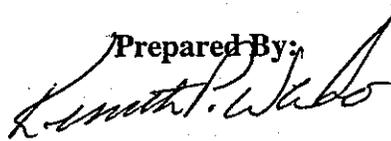
Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

Alternatives Considered: None.

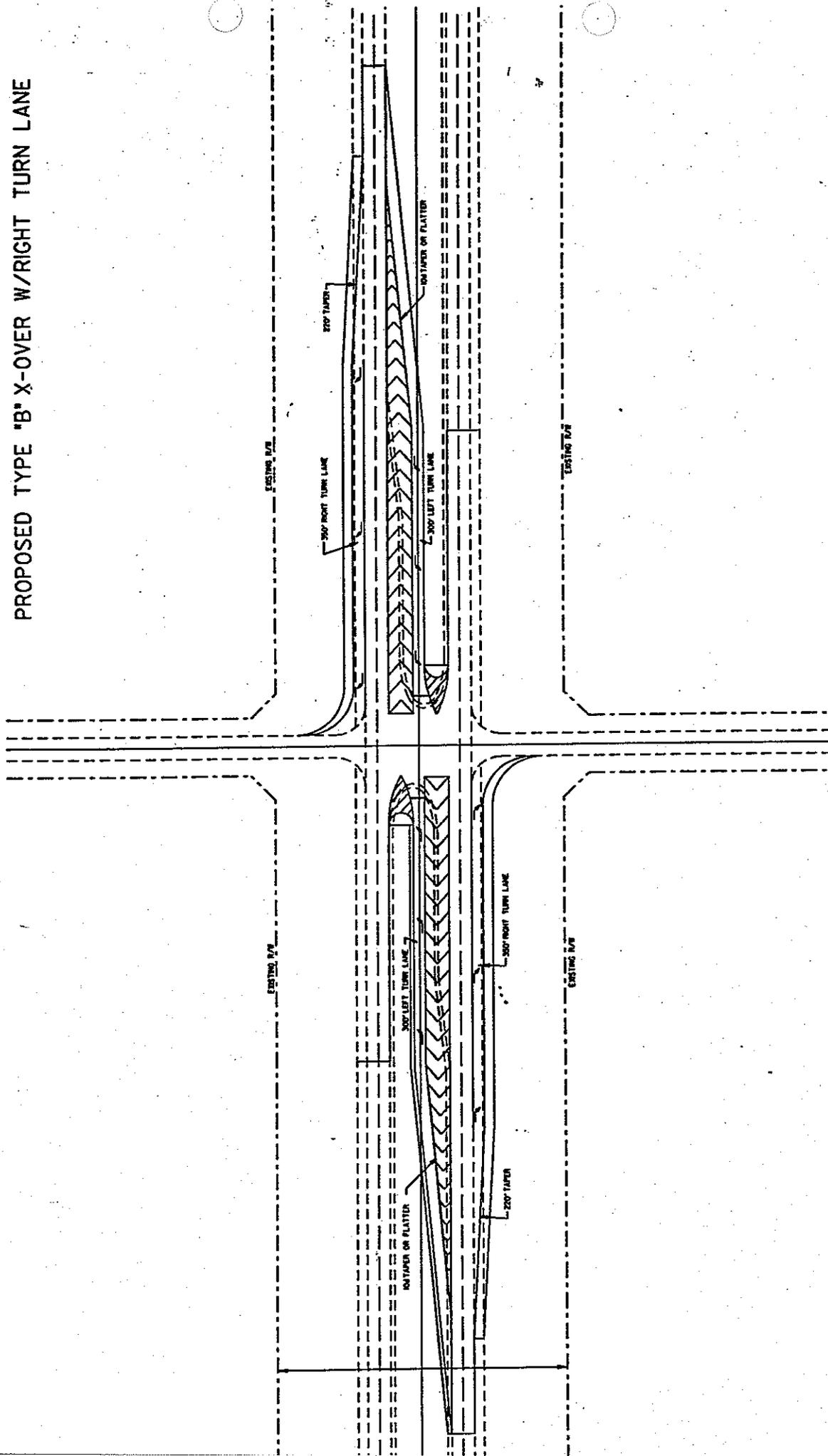
Comments: None.

Prepared By:



Ken Werho

EXISTING TYPE "A" X-OVER
PROPOSED TYPE "B" X-OVER W/RIGHT TURN LANE



EXISTING MEDIAN X-OVER NO TURN LANES
PROPOSED TYPE 'B' X-OVER W/RIGHT TURN LANE

