

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: NHS-0001-00(583) Clarke & Madison Counties
P.I. No.: 0001583
Safety Improvements @ Various Median Openings

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

FROM: ^{MGW} 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. 8/U.S. 29 in Clarke & Madison Counties.

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

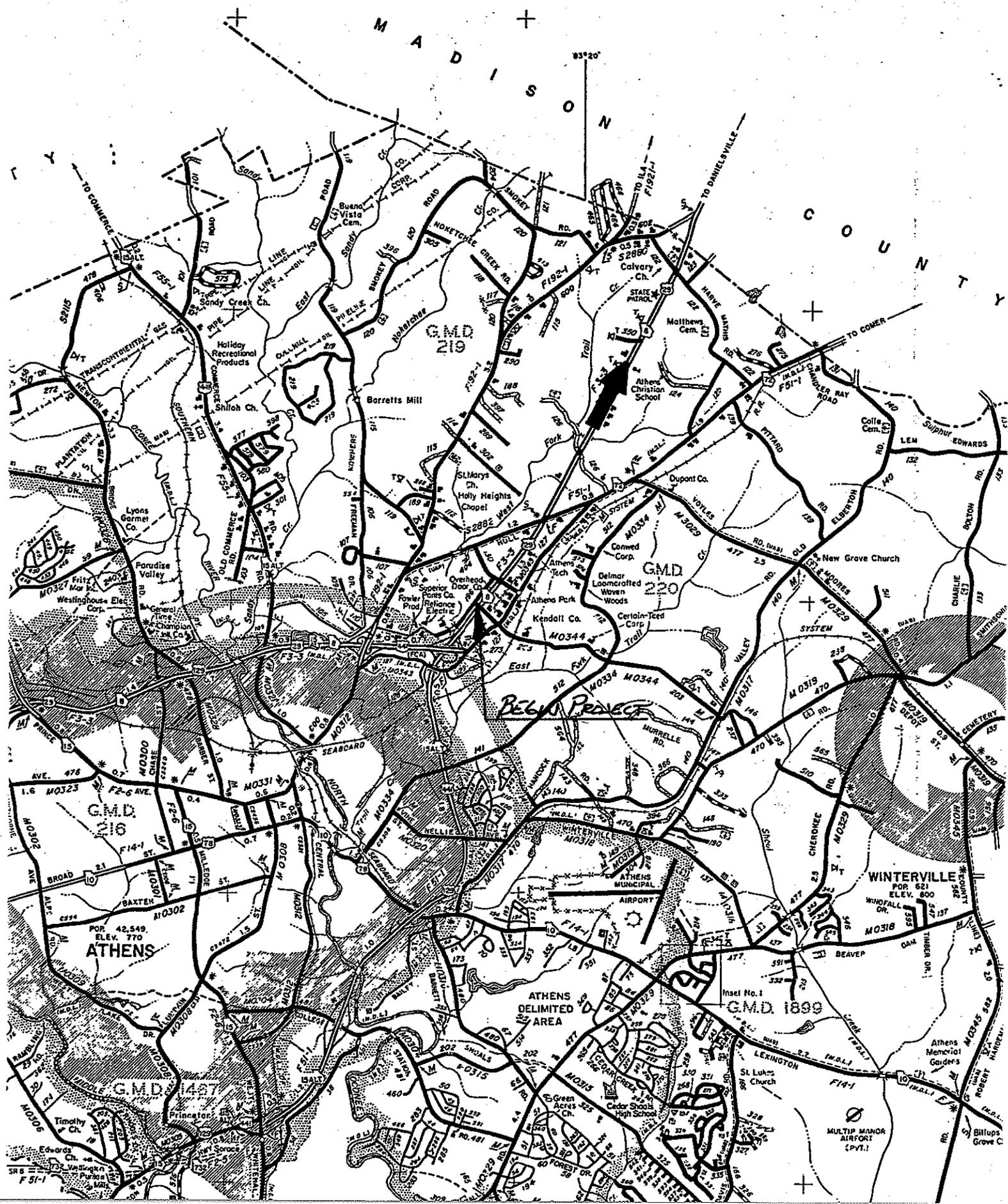
CLARKE & MADISON COUNTIES
STP-0001-00(583)

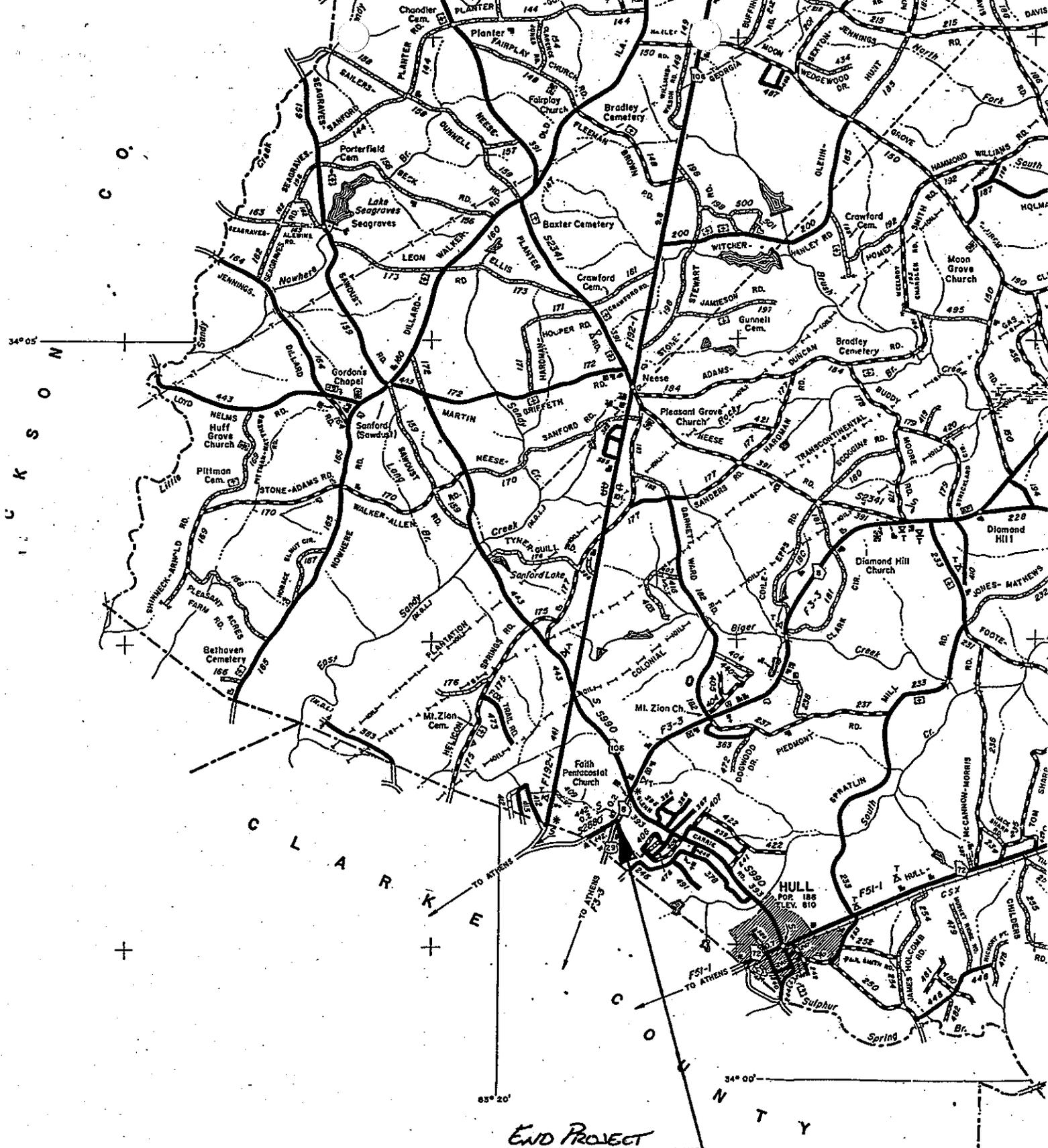
FEDERAL ROUTE NO: 29
STATE ROUTE NO: 8
GADOT P.I. NO: 0001583

SEE ATTACHED
LOCATION SKETCH

Date of Report: August 7, 2000

RECOMMENDED:	<u>8/8/2000</u>	<u>Marion Hubert</u>
	DATE	STATE TRAFFIC OPERATIONS ENGINEER
RECOMMENDED:	<u>8/25/2000</u>	<u>Larry E. Dutton</u>
	DATE	DISTRICT ENGINEER
RECOMMENDED:	<u>9-1-00</u>	<u>J. W. ...</u>
	DATE	CHIEF ENGINEER
APPROVED:	<u>9/12/00</u>	<u>J. Tom ...</u>
	DATE	COMMISSIONER





END PROJECT

PROJECT CONCEPT REPORT

P.I. No.: 0001583

Project No.: STP-0001-00(583) Clarke & Madison Counties

Route No.: SR 8/US 29 @

Clarke County

CR 203/Athena Dr

CR 130/Calhoun Dr.

Athens Tech Driveway

SR 72 & CR 200/New Hull Rd.

Median X-Over MP 8.10

Median X-Over MP 8.40

Median X-Over MP 8.70

Trail Creek Drive

Country Corners Rd.

Median X-Over MP 9.70

CR 122/Harve Mathis Rd.

Madison County

Median X-Over MP 0.00

CR 442/Old SR 106

Location: The project begins approximately 0.49 miles north of SR 10 Loop and runs north 3.39 miles to CR 442/ Old SR 106 in Madison County, on SR 8/US 29.

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. 8. 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. 8 from:

Clarke County	M.P. 06.93 to M.P. 07.82 -----	25,200 (1998 ADT)
	M.P. 07.82 to M.P. 10.34 -----	18,300 (1998 ADT)
Madison County	M.P. 00.00 to M.P. 00.25 -----	17,800 (1998 ADT)

Existing Typical: S.R. 8: 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. 8 ----- 200' & 300' (Estimated)

Existing Traffic Control: S.R. 8 currently has two (2) stop & go traffic signals. 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 47% of the accidents are rear end, 25% are struck object, 19% are angle intersecting and 7% 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: 3.39 miles

Termini: - SR 8 -

From M.P.: 6.93 - Clarke County

To M.P.: 0.25 - Madison County

PDP Class: Minor Existing

Functional Class: S.R. 8 - 6.93 mp to 7.79 mp ----- Urban Principal Arterial
7.79 mp to 10.34 mp ----- Rural Minor Arterial
0.00 mp to 00.25 mp ----- Rural Minor Arterial

Max Degree of Curve: +/- 1 Degrees

Max Grades: +/- 3.0 %

Design Speed: 55 & 65 mph

Proposed Typical Section: S.R. 8: 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 -----	\$ 3,780,855
Traffic Signal -----	\$ 100,000
E & C 10% -----	\$ 388,086
Total Construction -----	\$ 4,268,941

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.

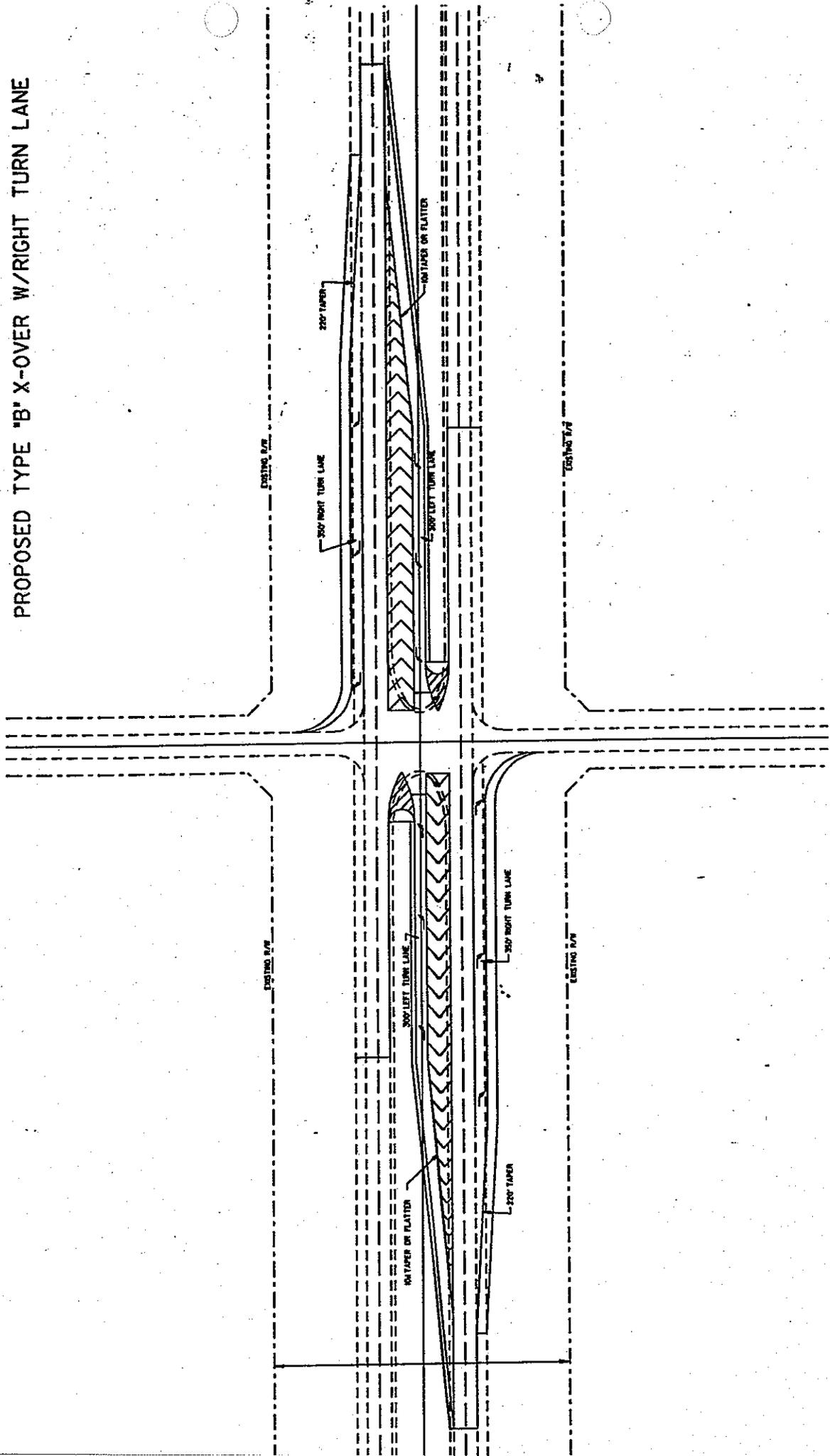
Alternatives Considered: None.

Comments: None.

Prepared By:

Ken Werho

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



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

