

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: NHS-0001-00(558) Glynn County
P.I. No.: 0001558
Safety Improvements @ Various Median Openings

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

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

TO: Gary Priester, District Engineer, Jesup
Attn: Tony Collins

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. 520/U.S. 82 in Glynn 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.
Ollie Lindell, w/attach.
Dick Graves, w/attach.
Jim Chambers, Attn: Otis Clarke, w/attach.
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

GLYNN COUNTY

NHS-0001-00(558)

FEDERAL ROUTE NO: 82

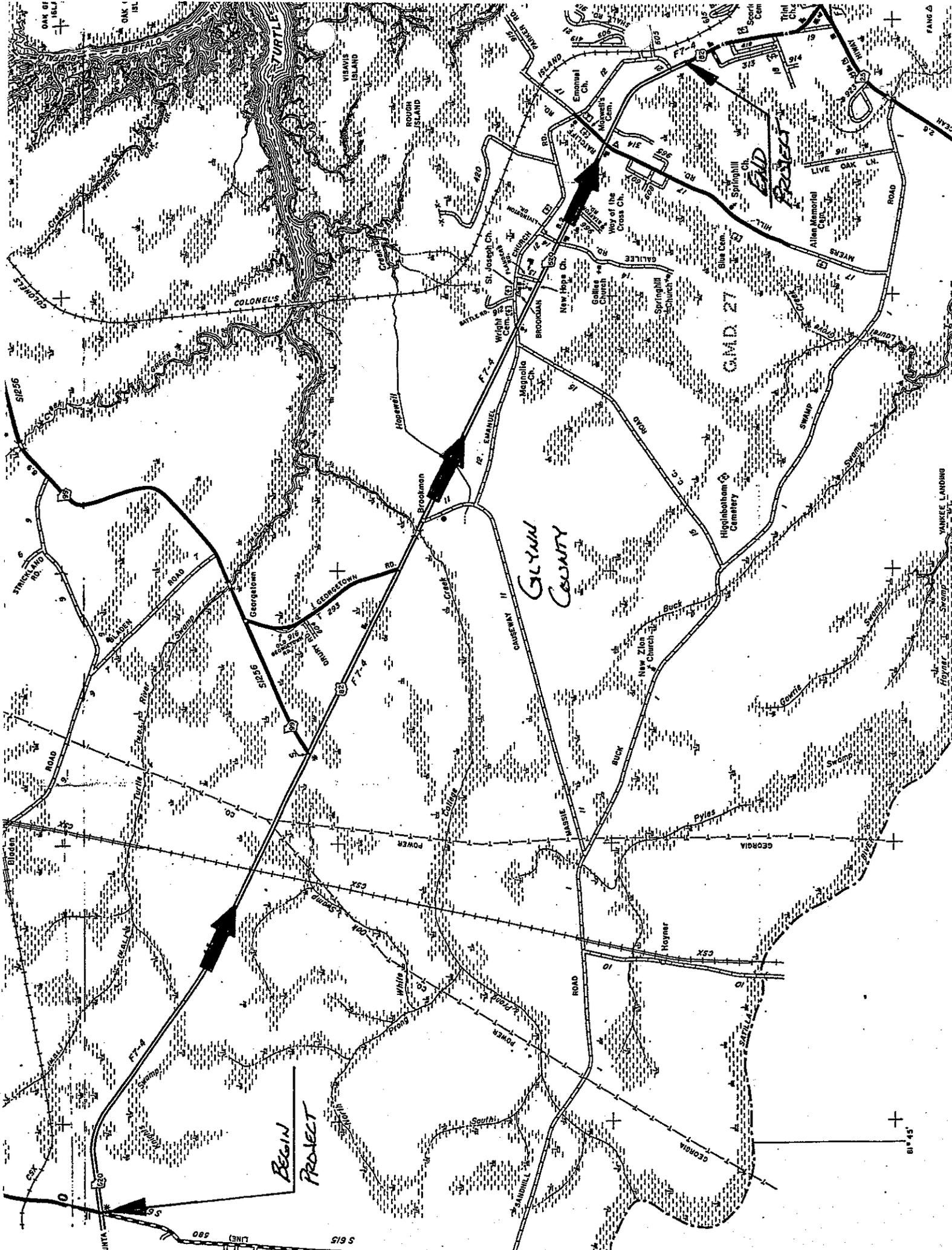
STATE ROUTE NO: 520

GADOT P.I. NO: 0001558

SEE ATTACHED
LOCATION SKETCH

Date of Report: August 15, 2000

RECOMMENDED:	<u>8/16/2000</u>	<u><i>Marion Sullivan</i></u>
	DATE	STATE TRAFFIC OPERATIONS ENGINEER
RECOMMENDED:	<u>8/19</u>	<u><i>Gary St</i></u>
	DATE	DISTRICT ENGINEER
RECOMMENDED:	<u>9-7-00</u>	<u><i>L.H. Lachy</i></u>
	DATE	CHIEF ENGINEER
APPROVED:	<u>9/12/00</u>	<u><i>J. Tom Colman</i></u>
	DATE	COMMISSIONER



OAK 1 ISL

OAK 1 ISL

TURTLE

VIRAVIS ISLAND

ROBIN ISLAND

ISLAND

Enmanuel Ch.

Wright Cem.

St. Joseph Ch.

Brookman

Galilee Church

Springhill Church

Allen Memorial Cem.

COLONEL'S

COLONEL'S

St. Joseph Ch.

Wright Cem.

Brookman

Galilee Church

Springhill Church

Allen Memorial Cem.

Blue Cem.

Springhill Church

Allen Memorial Cem.

SI 256

BEGIN PROJECT

END PROJECT

Glynn County

GMD 27

81° 45'

5 615

LINE 580

UNTA

PROJECT CONCEPT REPORT

P.I. No.: 0001558

Project No.: NHS-0001-00(558) Glynn County

Route No.: SR 520/US 82 @
Glynn County

- | | |
|---------------------------|---|
| CR 580/County Line Rd. | Median X-Over MP 8.00 |
| Median X-Over MP 1.55 | CR 12/Old Brookman Rd. & Emanuel Church Rd. |
| Median X-Over MP 2.15 | CR 13/West Flanders Dr. |
| Median X-Over MP 3.20 | CR 14/Galilee Church Rd. |
| SR 99/Grants Ferry Rd. | CR 966/Stafford Rd. |
| Median X-Over MP 5.20 | CR 17/Myers Hill Rd. & Ratliff Rd. |
| CR 293/Georgetown Rd. | CR 21/Emanuel Church Rd. |
| CR 11/Massie Causeway Rd. | |

Location: The project begins approximately 1.01 miles east of the Brantley County Line and runs east through Glynn County to MP 11.40, 1.98 miles west of I-95 in Glynn County, approximately 10.39 miles, on SR 520/US 82.

Description: At the various locations located on this corridor the existing median cross over will be reconstructed to provide Type "B" Median Cross Overs – Offset left turn lanes for S.R. 520. 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. 520 from:

Glynn County	M.P. 01.01 to M.P. 08.64 -----	7,700 (1998 ADT)
	M.P. 08.64 to M.P. 11.40 -----	8,000 (1998 ADT)

Existing Typical: S.R. 520: 4 – 12' Travel lanes two in each direction, with 10' paved outside shoulder and 4' paved inside shoulder. Median width is 44' with left & right turn lanes at various locations.

Existing Right of Way: S.R. 520 ----- 100' (Estimated)

Existing Traffic Control: S.R. 520 currently has no 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 42% of the accidents are struck object, 22% are rear end, 15% are overturned and 13% are angle intersecting. 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: 10.39 miles

Termini: - SR 520 -

From M.P.: 01.01

To M.P.: 11.40

PDP Class: Minor Existing

Functional Class: S.R. 520 - Glynn -- MP 01.01 to MP 11.40 --- Rural Principal Arterial

Max Degree of Curve: +/- 1 Degrees

Max Grades: +/- 1.0 %

Design Speed: 55 & 65 mph

Proposed Typical Section: S.R. 520: 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.

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:

Item

Total Amount

R/W -----

\$ 0 (Ga. D.O.T.)

Utilities -----

\$ 0 (Ga. D.O.T.)

Estimated LGPA Total -----

\$ 0

Construction -----

\$ 4,247,613

Traffic Signals -----

\$ 0

E & C 10% -----

\$ 424,761

Total Construction -----

\$ 4,672,374

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

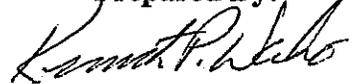
Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

Alternatives Considered: None.

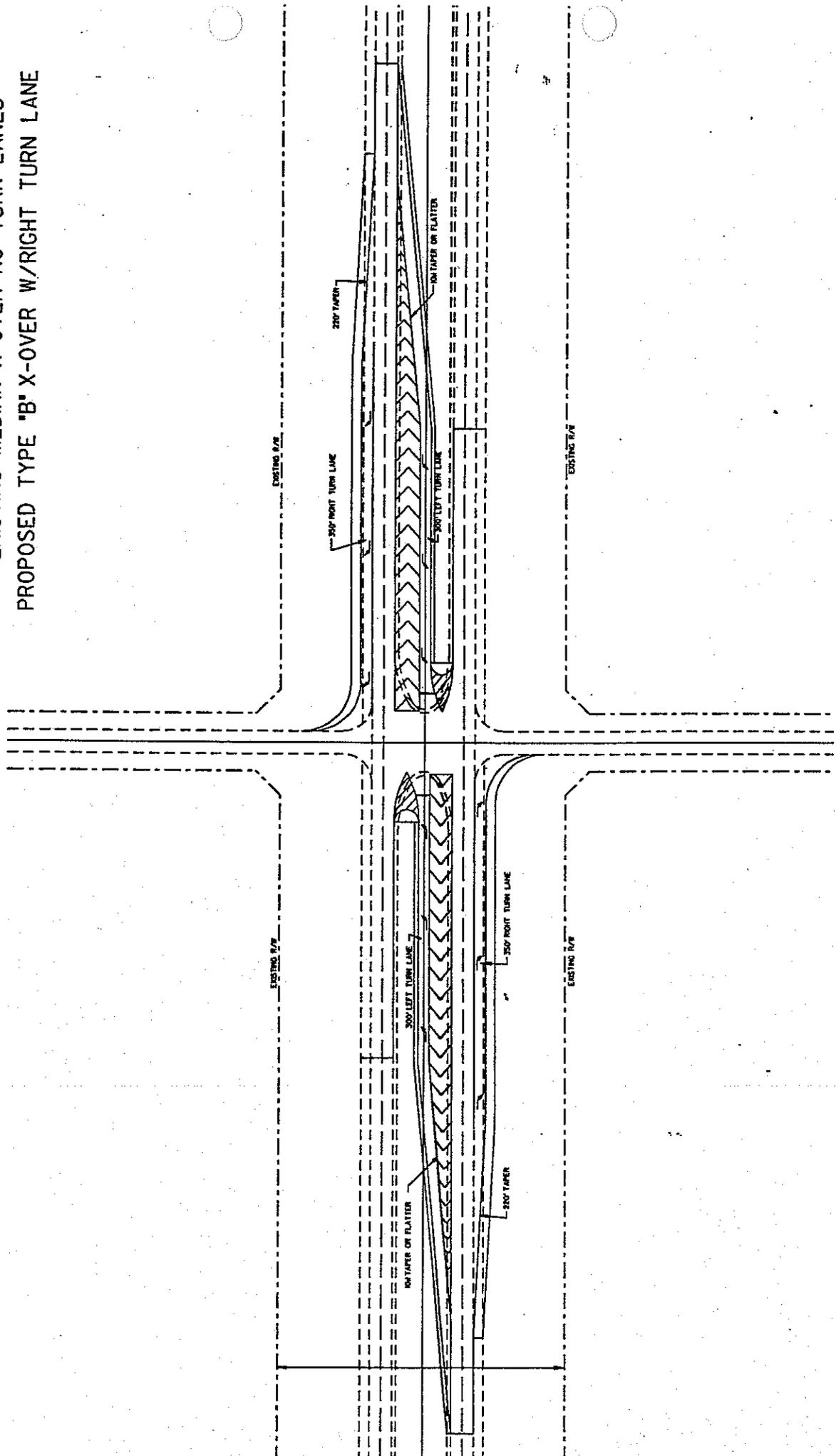
Comments: None.

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

