

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

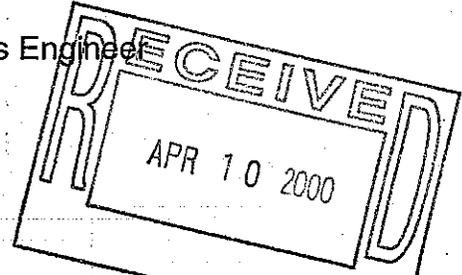
INTERDEPARTMENT CORRESPONDENCE

FILE: NHS-0000-00(455) Liberty County
P.I. No.: 0000455
SR 196 @ SR34/US84
Intersection Improvements

OFFICE: Traffic Operations
Atlanta, Georgia
DATE: April 7, 2000

FROM: ^{FOR YOU} 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. A copy of the Concept File is also being sent to the Office of Road Design.

This project consist of the realignment of SR 196. The purpose of this project is to advance a portion of a larger construction project for safety. By advancing the scheduled reconstruction & realignment, a safety problem will be eliminated. Also, a Traffic Signal will be installed at the new location.

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.
Ollie Lindell, w/attach.
Dick Graves, w/attach.
Jim Kennerly, w/attach. Attn: Adolfo Guzman
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

LIBERTY COUNTY

NHS-0000-00(455)

FEDERAL ROUTE NO: 84
STATE ROUTE NO: 38/196
GADOT P.I. NO: 0000455

SEE ATTACHED
LOCATION SKETCH

Date of Report: August 17, 1999
Revised: September 1, 1999

RECOMMENDED: 9-1-99
DATE

Marion S. Waters
STATE TRAFFIC OPERATIONS ENGINEER

RECOMMENDED: 9/7/99
DATE

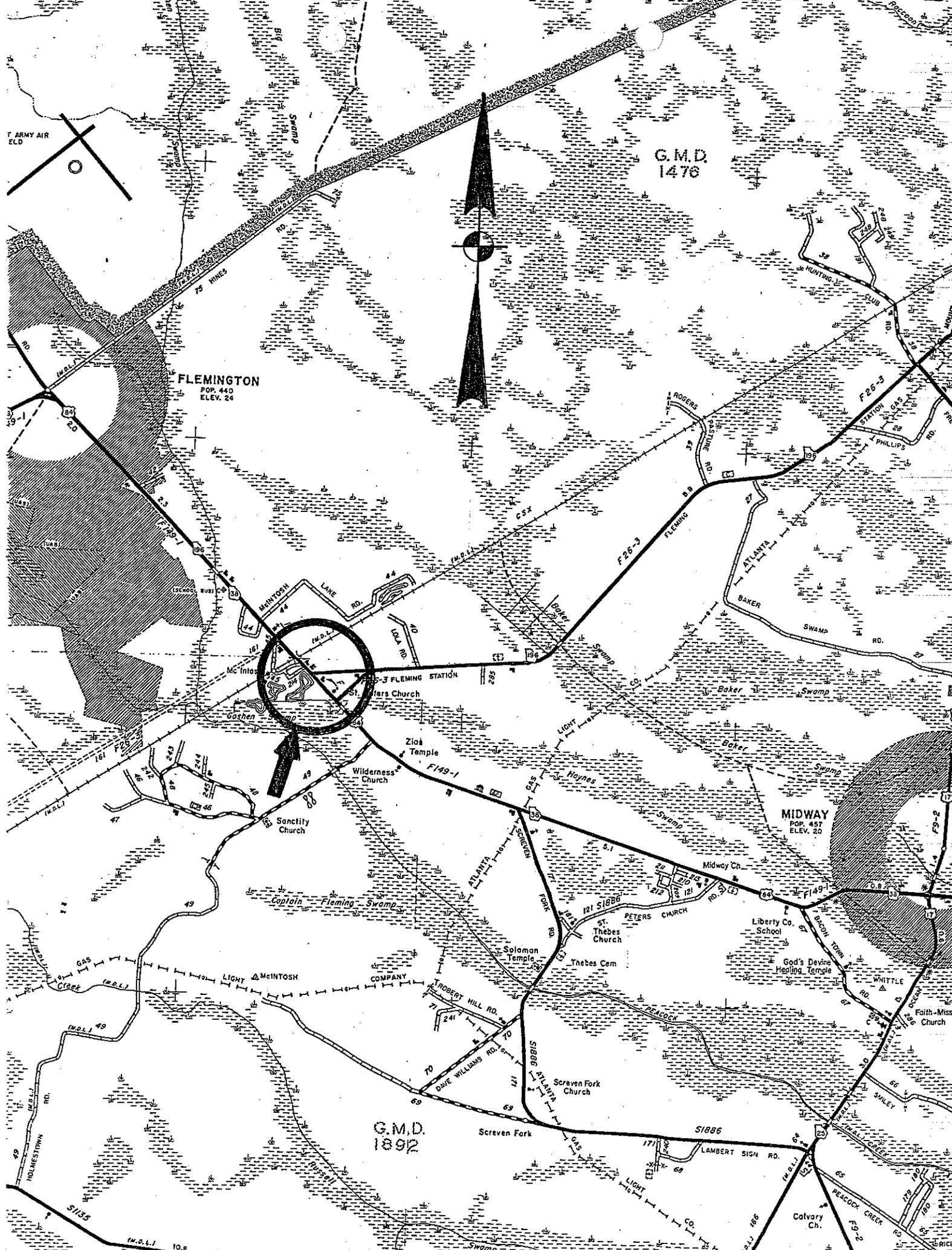
Gary O. Peto
DISTRICT ENGINEER

RECOMMENDED: 10-8-99
DATE

Frank L. Dumbly
CHIEF ENGINEER

APPROVED: 10-13-99
DATE

Wayne Shackelford
COMMISSIONER



T. ARMY AIR
ELD

G.M.D.
1476

FLEMINGTON
POP. 440
ELEV. 24

MIDWAY
POP. 451
ELEV. 20

G.M.D.
1892



PROJECT CONCEPT REPORT**P.I. No.:** 0000455**Project No.:** NHS-0000-00(455) Liberty County**Route No.:** S.R. 196
S.R. 38/U.S. 84**Location:** The intersection of SR. 196 @ S.R. 38/U.S. 84 is located approximately 2.16 miles east of the Flemington City Limits and 5.92 miles west of the intersection of S.R. 38/U.S. 84 & S.R. 25/U.S. 17 in the City of Midway in Liberty County.**Description:** S.R. 196 will be relocated approximately 1235' east on S.R. 38/U.S. 84 to provide improved sight distance. The existing traffic signal will be relocated to the new location. The current project for S.R. 196, STP-026-3(51), is to provide a 4-lane with a 32' median. This Safety Improvement Project will construct the two northbound lanes on S.R. 196 and widen S.R.38/U.S. 84 to 4-12' lanes with a 14' center turn lane. The existing S.R. 196 will have a cul-de-sac constructed with access to S.R. 38/U.S. 84 at current location. All Driveways and Drainage Structures within the Safety Improvement Project Limits will be constructed to accommodate project STP-026-3(51). Required Right of Way within the Safety Improvement Project Limits will be purchased under the Safety Improvement Project.**Traffic – Current ADT:**
S.R. 196 ----- 18,400 (1998 ADT)
S.R. 38/U.S. 84 ----- 27,700 (1998 ADT)**Existing Typical:** S.R. 196: 2 – 12' travel lanes, one in each direction, with 4' paved shoulders.

S.R. 38/U.S. 84: 4 – 12' travel lanes, two in each direction, with variable median and 4' paved shoulders.

Existing Right of Way: S.R. 196 ----- 100' (Estimated)
S.R. 38/U.S. 84 ----- varies 120' to 148' (Estimated)**Existing Traffic Control:** S.R. 196 @ S.R. 38/U.S. 84 is controlled by an existing stop & go traffic signal.**Existing Major Structures:** None.**Statement of Need & Purpose:** The Purpose of this project is to advance a portion of a larger construction project for safety. By advancing the scheduled reconstruction & relocation, a safety problem will be eliminated & the Public well served. Accident history shows for the years '95 - '98 44% of the accidents have been Rear End, 31% are angle intersecting and 7% side swipe type accidents. A fatality was reported in April of '99, head on accident. The proposed relocation of the existing intersection would greatly reduce the main accident problem at this location (sight distance). To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

Length: 0.83 miles

Termini: - SR 196 - - SR 38/US 84 -

| | | |
|--------------------------|-------|------|
| <u>From M.P.:</u> | 11.77 | 5.99 |
| <u>To M.P.:</u> | 11.83 | 6.12 |

PDP Class: Minor Existing

Functional Class: S.R. 196 ----- Urban Minor Arterial
S.R. 38/U.S. 84 ----- Urban Principal Arterial

Max Degree of Curve: +/- 5.75 Degrees **Max Grades:** +/- 0.5 %

Design Speed: 45 mph

Proposed Typical Section: S.R. 196: 2 – 12' travel lanes, one in each direction, southbound will have a 12' right turn lane. Shoulders will be 10' in width normally, 4' paved – 6' grassed.

S.R. 38/U.S. 84: 4 – 12' travel lanes, two in each direction, with a 14' center turn lane. Shoulders will be 10' in width normally, 4' paved – 6' grassed. 15.5' where guard rail will be required.

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.

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

Estimated Cost:

| <u>Item</u> | <u>Total Amount</u> |
|----------------------------|----------------------------|
| R/W ----- | \$ 790,000 (GaDOT) |
| Utilities ----- | \$ 70,000 (GaDOT) |
| Estimated LGPA Total ----- | \$ 860,000 |
| Construction ----- | \$ 348,007 |
| Traffic Signal ----- | \$ 50,000 |
| Railroad Equipment ----- | \$ 0 |
| E & C 10% ----- | \$ 39,801 |
| Total Construction ----- | \$ 437,808 |

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

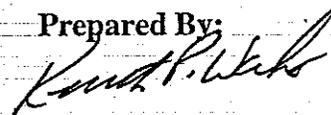
Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

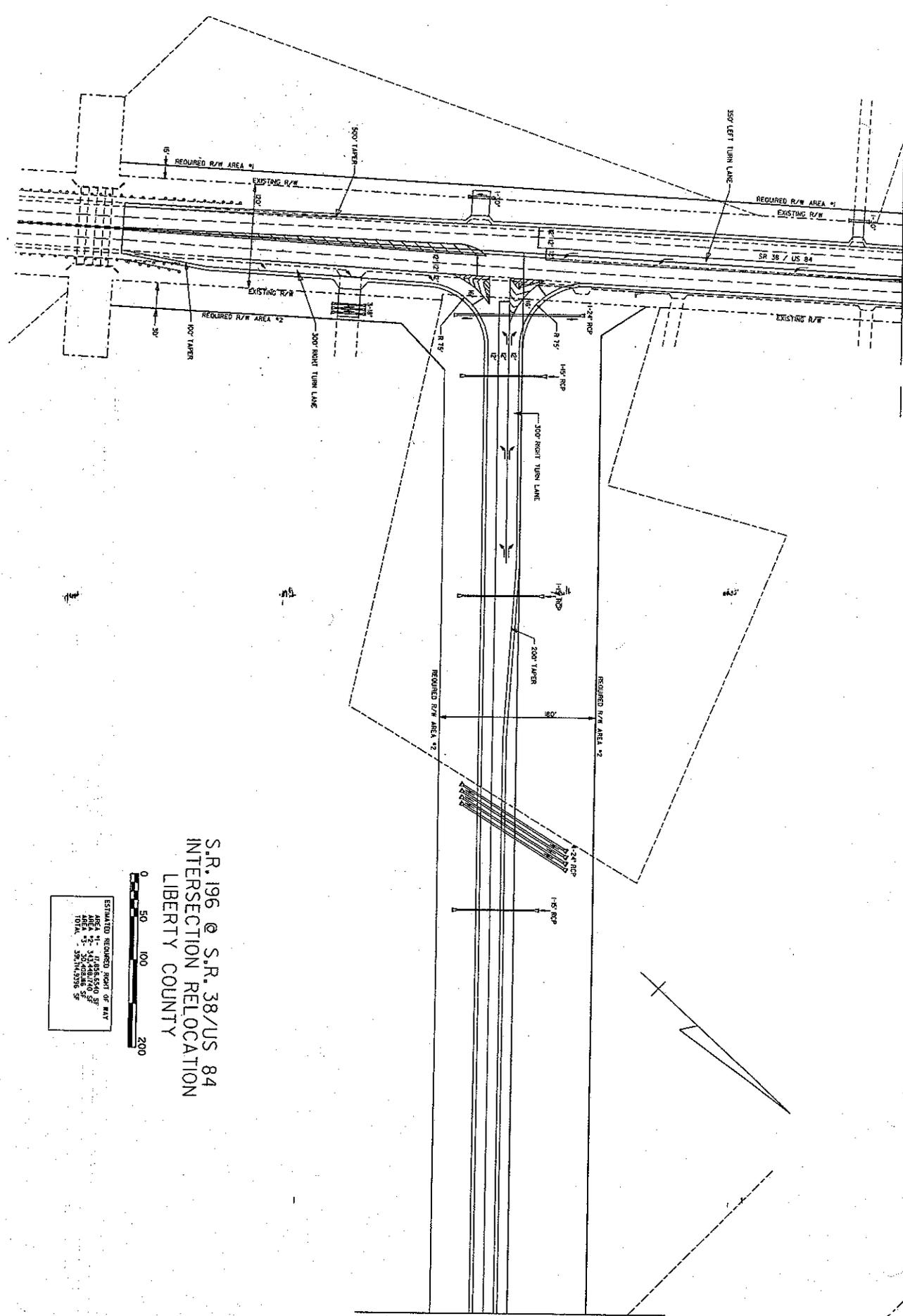
Alternatives Considered: None.

Comments: None.

Prepared By:



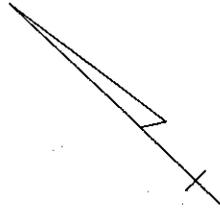
Ken Werho



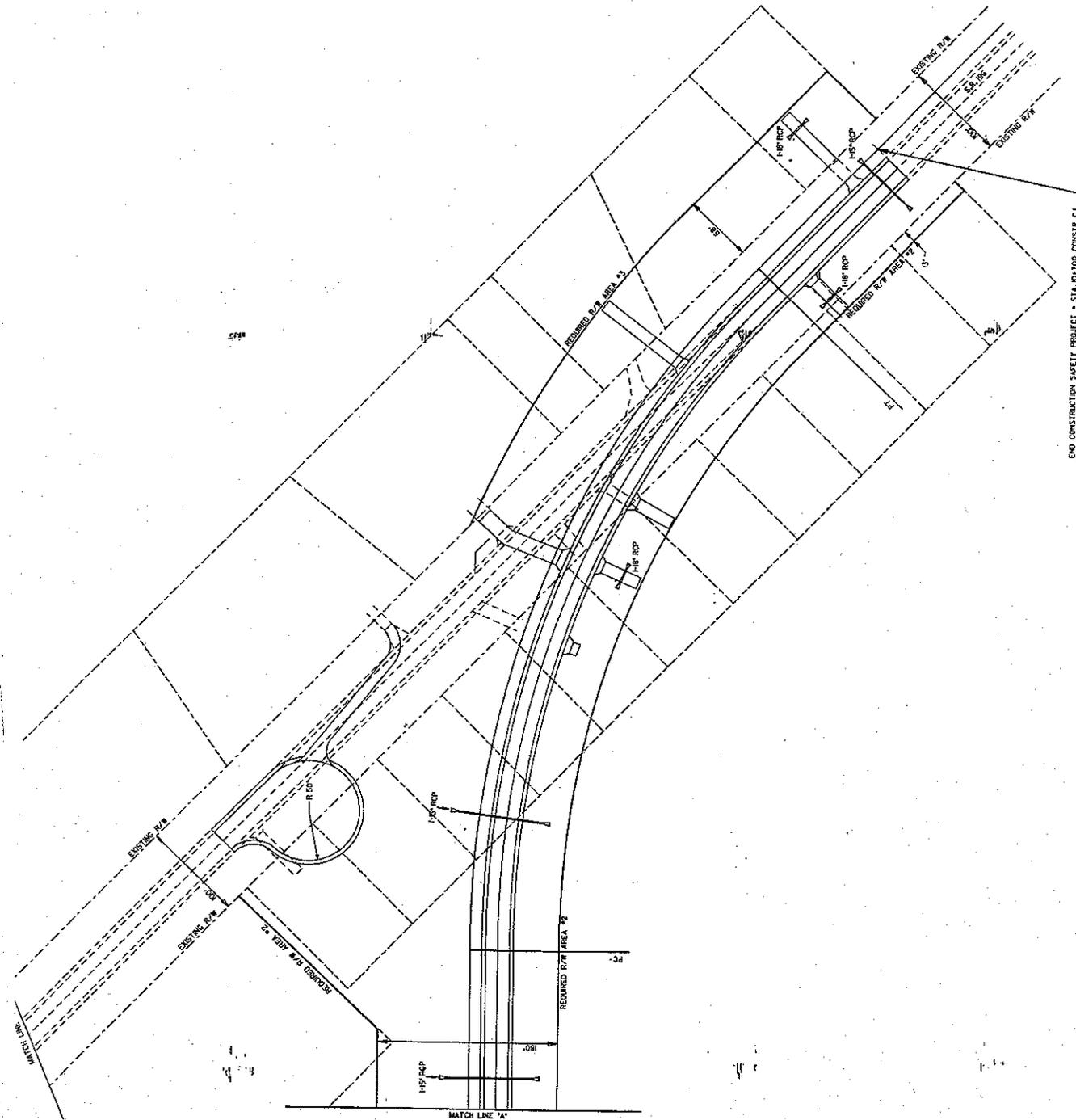
S.R. 196 @ S.R. 38/US 84
INTERSECTION RELOCATION
LIBERTY COUNTY

| | |
|---------------------------------|--------------|
| ESTIMATED REQUIRED RIGHT OF WAY | |
| AREA #1 | 24,440.00 SQ |
| AREA #2 | 25,000.00 SQ |
| TOTAL | 49,440.00 SQ |

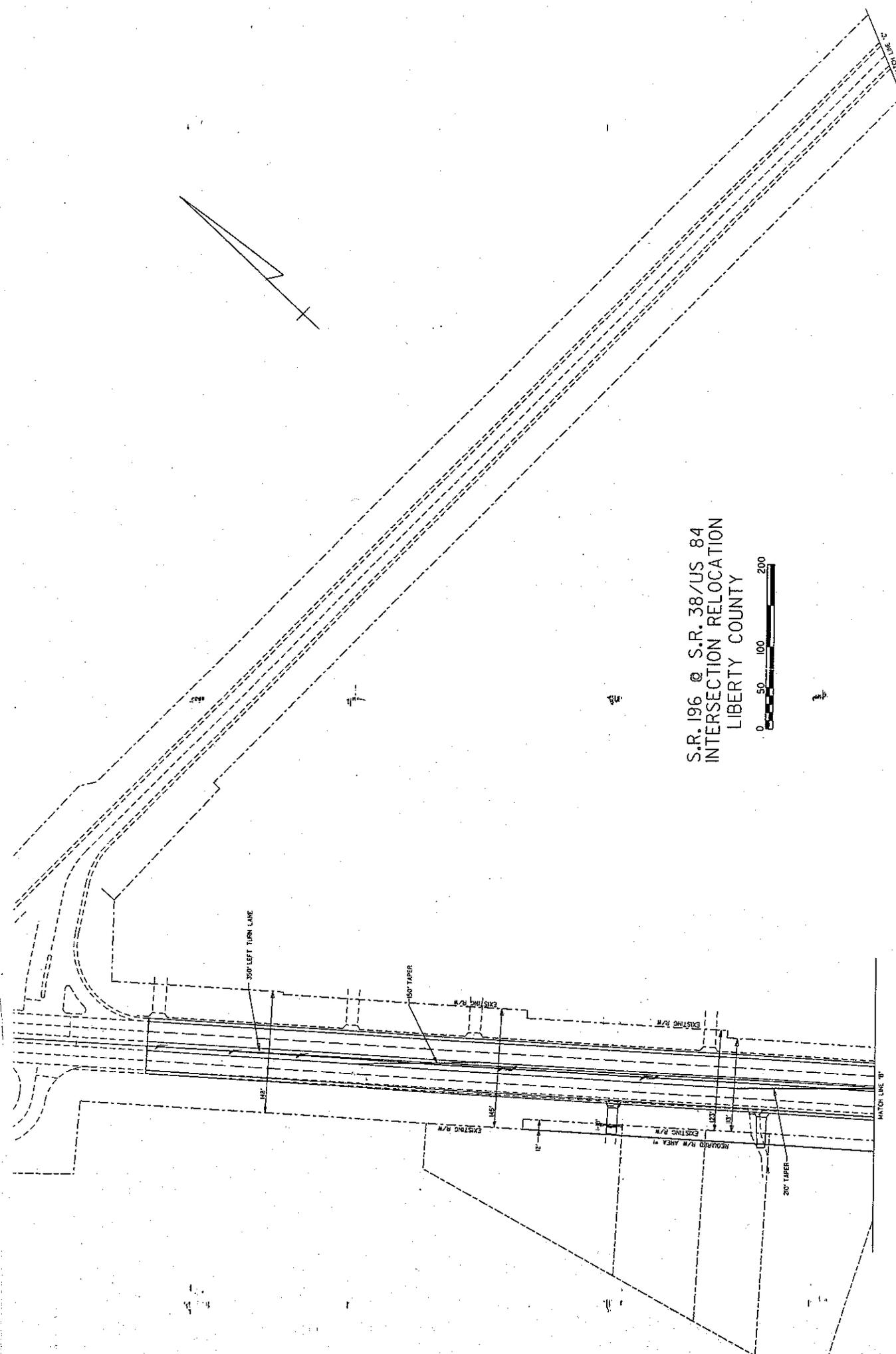




S.R. 196 @ S.R. 38/US 84
INTERSECTION RELOCATION
LIBERTY COUNTY



END CONSTRUCTION SAFETY PROJECT - STA. 0+00 TO 0+100 CONST. CL.
PROJECT 31P-005-001 ROAD DESIGN



S.R. 196 @ S.R. 38/US 84
INTERSECTION RELOCATION
LIBERTY COUNTY



MATCH LINE TO