

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

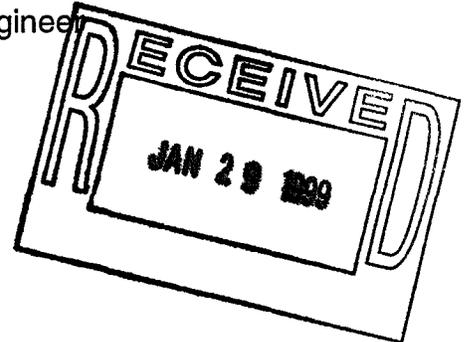
INTERDEPARTMENT CORRESPONDENCE

FILE: STP-004-2(38) Baldwin County
P.I. No.: 232240
SR 22 @ CR 472/Lake Laurel Road
Intersection Improvements

OFFICE: Traffic Operations
Atlanta, Georgia
DATE: January 26, 1999

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

TO: Mike Thomas, District Engineer, Tennille
Attn: David Griffith



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 constructing a "Free Flowing" right turn lane for CR 472 and extending the existing left turn lane on SR 22. This project will require two box culverts to be extended.

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
Walker Scott, w/attach.
Bob Mustin, w/attach.
Wayne Hutto, w/attach.
Herman Griffin, w/attach.
David Studstill, w/attach.
Roger Price, w/attach.
Dick Graves, w/attach.
General Files

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

PROJECT CONCEPT REPORT

BALDWIN COUNTY

STP-004-2(38)

FEDERAL ROUTE NO:

STATE ROUTE NO: 22

GADOT P.I. NO: 232240

SEE ATTACHED
LOCATION SKETCH

Date of Report: October 9, 1998

RECOMMENDED: 10-9-98
DATE

Marion S. Waters
STATE TRAFFIC OPERATIONS ENGINEER

RECOMMENDED: 10/22/98
DATE

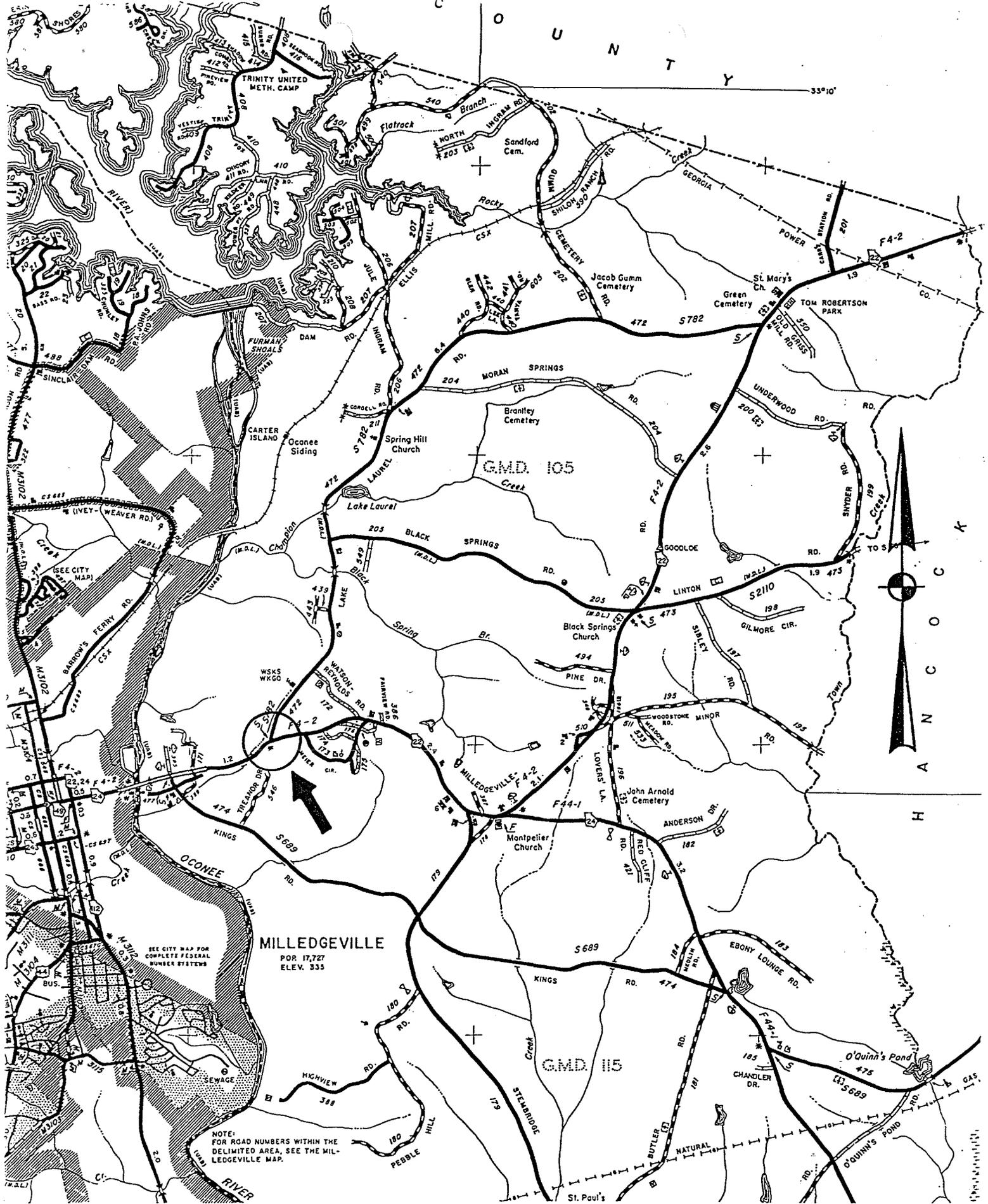
Michael L. Thomas
DISTRICT ENGINEER

RECOMMENDED: 11/2/98
DATE

Frank Dandridge
CHIEF ENGINEER

APPROVED: 1-4-98
DATE

Wayne Shackelford
COMMISSIONER



BALDWIN COUNTY
SR 22 @ CR 472/LAKE LAUREL ROAD
INTERSECTION IMPROVEMENTS

PROJECT CONCEPT REPORT

P.I. No.: 232240

Project No.: STP-004-2(38) Baldwin County

Route No.: S.R. 22/Milledgeville-Sparta road
 C.R. 472/Lake Laurel Road

Location: The intersection of SR. 22 and C.R. 472 is located 1.93 km east of the City Limits of Milledgeville and 14.6 km south of the Hancock County Line on S.R. 22.

Description: S.R.22 will be widened 3.6 m on the westbound side to provide an acceleration lane for the free flowing right turn lane from C.R. 472 and 3.6 m on the eastbound side to provide for a adequate left turn lane to C.R.472. S.R. 22 will also have a 3.6 m right turn lane constructed on the westbound approach.

C.R. 472/Lake Laurel Rd: will be widened 3.6 m to provide a free flowing right turn lane on the southbound approach.

Traffic – Current ADT:

S.R. 22	-----	9,500 (1997 ADT)
C.R. 472	-----	4,300 (1997 ADT)

Existing Typical: S.R. 22/Milledgeville – Sparta Rd: 2 – 3.6 m Travel lanes one in each direction, with 3.6 m left turn lane eastbound approach. Westbound approach has 3 – 3.6 m lanes, one westbound & two eastbound, both approaches have 1.8 m grass shoulders.

C.R. 472/Lake Laurel Road: 2 – 3.3 m travel lanes, one in each direction, with 1.2 m grass shoulders.

Existing Right of Way:

S.R. 22	-----	45 m & 31 m (150' & 100' Estimated)
C.R. 472	-----	24 m (80' Estimated)

Existing Traffic Control: S.R. 22 has an existing flashing signal. C.R. 472 has stop sign, stop bar & yield sign for right turns.

Existing Major Structures: There are two box culverts (4 x 4 & Dbl. 6 x 6) located west of the intersection. They will be retained & extended.

Statement of Need & Purpose: Accident history shows this intersection to be ranked 26th in '95 and 27th in '96, over half of the accidents were rear end accidents on C.R.472. The proposed “Free Flowing Right Turn” would greatly reduce the number of accidents. To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

Length: 0.79 km

Termini: - SR 22 - - CR 472 -

<u>From M.P.:</u>	13.45	0.00
<u>To M.P. :</u>	13.81	0.13

PDP Class: Minor Existing

Functional Class: S.R. 22/ Milledgeville – Sparta Road ----- Rural Minor Arterial
C.R. 472/ Lake Laurel Road ----- Rural Major Collector

Max Degree of Curve: 295 meters **Max Grades:** +/- 3.5 %

Design Speed: 90 km/h on S.R. 22 & C.R. 472

Proposed Typical Section: S.R. 22: The west side of the intersection will consist of 2- 3.6 m travel lanes with 1- 3.6 m left turn lane & 1 – 3.6 m acceleration lane westbound. The eastside of the intersection will consist of 3 – 3.6 m travel lanes, one westbound & two eastbound, with 1 – 3.6 m right turn lane. Shoulders will be 3.0 m in width.

C.R. 472: Will consist of 2 – 3.6 m travel lanes, one in each direction, with a 3.6 m free flowing right turn lane and 2.4 m shoulders.

Proposed major structures: Two box culverts will be retained and extended. The 4' x 4' CBC will be extended approximately 7.6 m (25') both left & right. The DBL 6' x 6' CBC will be extended approximately 4.6 m (15') left & 10.6 m (35') right.

Type Access: By Permit.

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

Right-of-Way Requirement: Baldwin County shall be responsible for the acquisition of all Required Right-of-Way for this project.

Utilities: Baldwin County shall be responsible for all Utility adjustments.

Estimated Cost:

<u>Item</u>	<u>Total Amount</u>
R/W -----	\$ 32,100 (By County LGPA)
Utilities -----	\$ 57,000 (By County LGPA)
Estimated LGPA Total -----	\$ 89,100
Construction -----	\$ 210,464
Traffic Signal -----	\$ 0
E & C 10% -----	\$ 21,046
Total Construction -----	\$ 231,510

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

Level of Public Involvement: None.

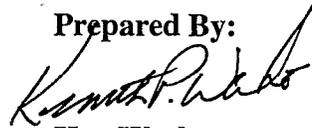
Time Saving Procedures Appropriate: Yes (X) No ()

Design Variances Required: None.

Alternatives Considered: None.

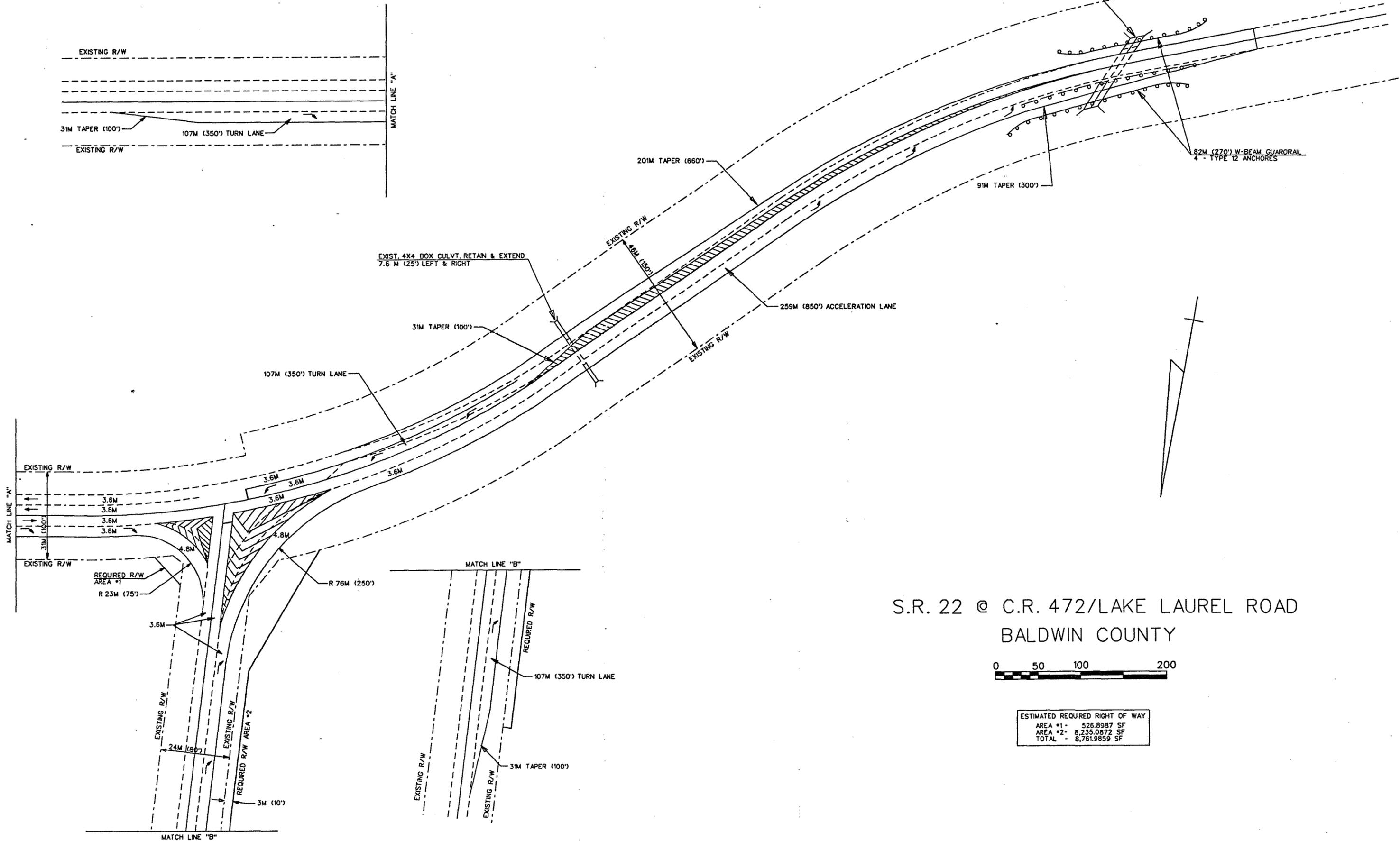
Comments: None.

Prepared By:

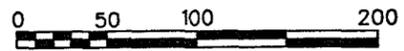


Ken Werho

EXIST 6X6 BOX CULVT. 45 DEG SKEW
 RETAIN & EXTEND 4.6M (15') LEFT &
 10.6M (35') RIGHT.



S.R. 22 @ C.R. 472/LAKE LAUREL ROAD
 BALDWIN COUNTY



ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1 -	526.8987 SF
AREA #2 -	8,235.0872 SF
TOTAL -	8,761.9859 SF