

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE: NHS-0001-00(576) Charlton County
P.I. No.: 0001576
Safety Improvements @ Various Median Openings

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

^{FAA}
FROM: 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. 4/U.S. 23 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

CHARLTON COUNTY

NHS-0001-00(576)

FEDERAL ROUTE NO: 23

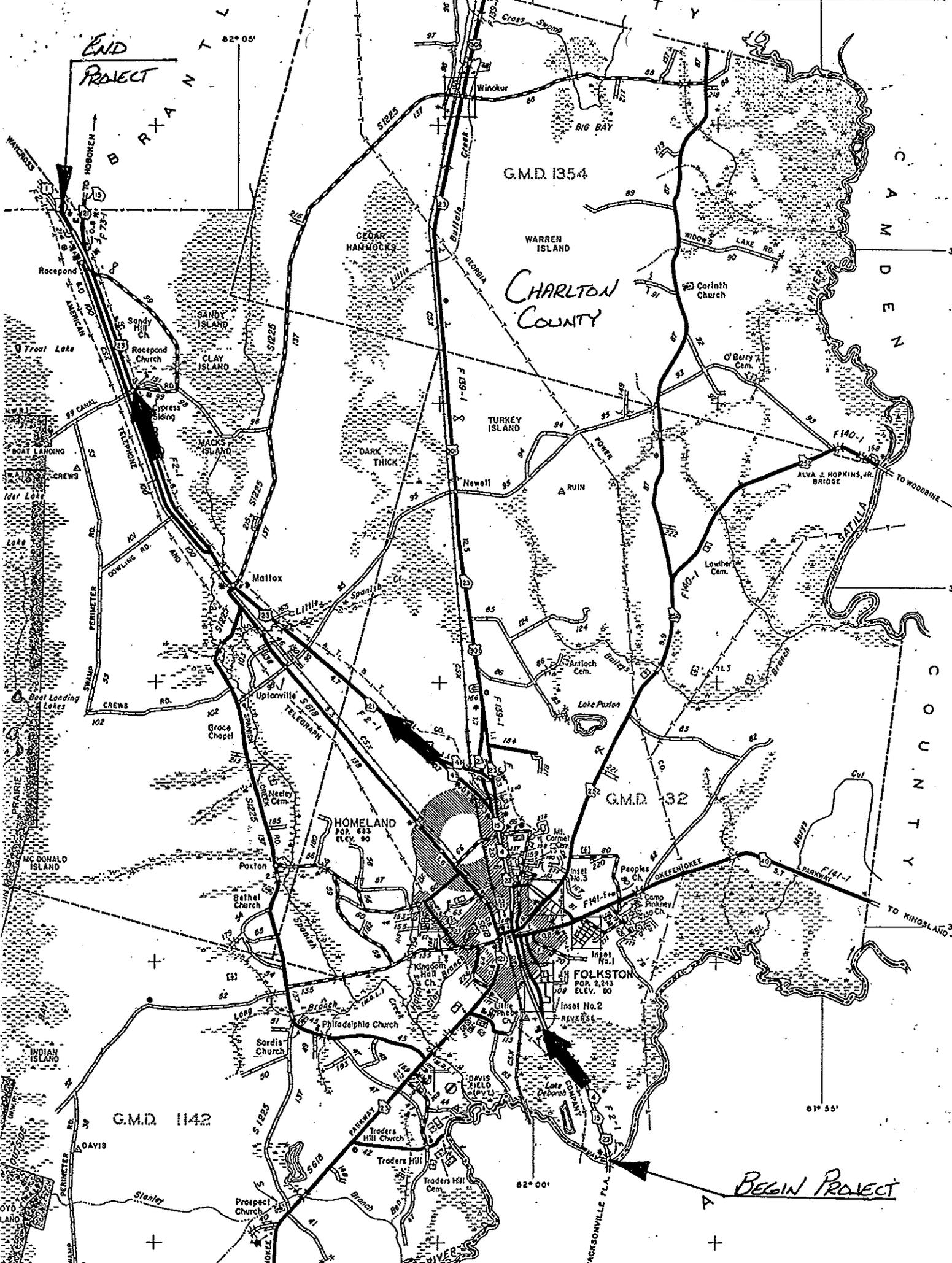
STATE ROUTE NO: 4

GADOT P.I. NO: 0001576

SEE ATTACHED
LOCATION SKETCH

Date of Report: August 15, 2000

RECOMMENDED:	<u>8/16/2000</u>	<u><i>Marion Hulet</i></u>
	DATE	STATE TRAFFIC OPERATIONS ENGINEER
RECOMMENDED:	<u>8/19</u>	<u><i>Gary O. ...</i></u>
	DATE	DISTRICT ENGINEER
RECOMMENDED:	<u>9-7-00</u>	<u><i>Bob Doudy</i></u>
	DATE	CHIEF ENGINEER
APPROVED:	<u>9/12/00</u>	<u><i>Tom Calhoun Jr.</i></u>
	DATE	COMMISSIONER



END PROJECT

G.M.D. 1354

CHARLTON COUNTY

G.M.D. 32

G.M.D. 1142

FOLKSTON

BEGIN PROJECT

CAMDEN COUNTY

COUNTY

TO WOODBINE

TO KINGSLAND

JACKSONVILLE, FLA.

OYO LAND

DAVIS

Stanley

Prospect Church

JENNINGS

Traders Hill Church

Traders Hill

Traders Hill Cem.

Traders Hill

INDIAN ISLAND

MC DONALD ISLAND

Boat Landing Lakes

CREWS

Boat Landing Lakes

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Boat Landing Lakes

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PROJECT CONCEPT REPORT

P.I. No.: 0001576

Project No.: NHS-0001-00(576) Charlton County

Route No.: SR 4/US 23 @

Charlton County

- | | |
|--------------------------------------|--|
| Median X-Over MP 0.30 | Median X-Over MP 6.20 |
| Median X-Over MP 0.55 | Median X-Over MP 6.22 |
| Median X-Over MP 0.75 | CR 240/Robin Ln. |
| Median X-Over MP 1.10 | Median X-Over MP 8.01 |
| Median X-Over MP 1.60 | Median X-Over MP 8.98 |
| Median X-Over MP 2.20 | Median X-Over MP 9.85 |
| Median X-Over MP 2.50 | CR 95/Uptonville Newell Rd. |
| CR 67/Old US 1 Hwy | CR 165/Little Spanish Creek |
| Median X-Over MP 2.85 | Median X-Over MP 11.74 |
| Median X-Over MP 3.22 | CR 137/Mattox Winkur Rd. & Prospect Mattox Rd. |
| Median X-Over MP 3.35 | Median X-Over MP 13.93 |
| Median X-Over MP 3.45 | Median X-Over MP 14.55 |
| CS 401/School Drive | Median X-Over MP 15.12 |
| SR 40 Connector/Cross St. | CR 99/Kings Canal Rd. |
| Median X-Over MP 5.10 | Median X-Over MP 17.20 |
| CR 239/No Name | Median X-Over MP 17.65 |
| Median X-Over MP 5.60 | CR 99/Carter Rd. |
| Median X-Over MP 5.80 | CR 15/Folkston Hoboken Rd. |
| CR 66/Bowery Ln. & Homeland Park Rd. | Median X-Over MP 19.19 |
| Median X-Over MP 6.10 | |

Location: The project begins at the Florida/Georgia State Line and runs north through Charlton County to the Charlton/Ware County Line, approximately 19.51 miles, on SR 4/US.23.

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. 4. The existing Type "A" Median Cross Overs – Adjacent Left turn Lanes will be reconstructed as Type "B" Median Cross Overs. Within the areas of the wide median (99'), the existing Type "A" will be extended for 65 mph. 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. 4 from:

Charlton County	M.P. 00.00 to M.P. 04.20 -----	13,000 (1998 ADT)
	M.P. 04.20 to M.P. 04.68 -----	14,200 (1998 ADT)
	M.P. 04.68 to M.P. 05.04 -----	15,900 (1998 ADT)
	M.P. 05.04 to M.P. 05.88 -----	14,200 (1998 ADT)
	M.P. 05.88 to M.P. 06.28 -----	11,900 (1998 ADT)
	M.P. 06.28 to M.P. 06.85 -----	6,000 (1998 ADT)
	M.P. 06.85 to M.P. 07.88 -----	4,700 (1998 ADT)
	M.P. 07.88 to M.P. 12.37 -----	8,300 (1998 ADT)
	M.P. 12.37 to M.P. 18.69 -----	9,900 (1998 ADT)
	M.P. 18.69 to M.P. 19.51 -----	7,100 (1998 ADT)

Existing Typical: S.R. 4: 4 – 12’ Travel lanes two in each direction, with 4’ paved outside shoulder and 2’ paved inside shoulder to MP 7.5 and 2’ inside & outside paved shoulder from MP 7.5 to 19.5. Median width is variable 30’ to 99’ with left & right turn lanes at various locations.

Existing Right of Way: S.R. 4 ----- Varies 100’ to 300’ (Estimated)

Existing Traffic Control: S.R. 4 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 31% of the accidents are struck object, 23% are rear end, 20% are angle intersecting and 6% 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: 19.51 miles

<u>Termini:</u>	- SR 4 -
<u>From M.P.:</u>	0.00
<u>To M.P.:</u>	19.51

PDP Class: Minor Existing

Functional Class: S.R. 4 - Charlton -- MP 00.00 to MP 19.51 --- Rural Principal Arterial

Max Degree of Curve: +/- 1 Degrees

Max Grades: +/- 1.0 %

Design Speed: 55 & 65 mph

Proposed Typical Section: S.R. 4: 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:

<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 -----	\$ 10,365,606
Traffic Signals -----	\$ 0
E & C 10% -----	\$ 1,036,561
Total Construction -----	\$ 11,402,167

Permits Required: None.

Level of Environmental Analysis: Categorical Exclusion.

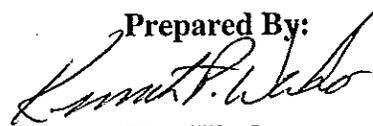
Level of Public Involvement: None.

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

