

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

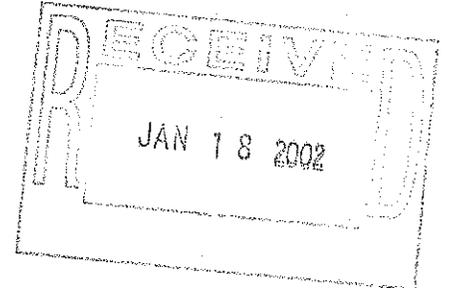
INTERDEPARTMENT CORRESPONDENCE

FILE: STP-0003-00(789) Coffee County  
P.I. No.: 0003789  
SR 158 @ Woodrow Stone Road  
Safety/Intersection Improvements

OFFICE: Traffic Safety and Design  
Atlanta, Georgia  
DATE: January 17, 2002

*WJ*  
FROM: Phillip M. Allen, State Traffic Safety & Design Engineer

TO: David Crim, District Engineer, Tifton  
Attn: Joe Sheffield



**SUBJECT: APPROVED CONCEPT REPORT**

Attached is a copy of the approved concept report on the above listed project for your use and further handling.

This project consists of constructing a left turn lane on the westbound side of SR 158, also the extension of a 48 inch double line cross drain structure. A stop and go traffic signal is warranted.

By copy of this letter, this office is requesting for this project be assigned to Chuck Hasty as Project Manager. The design of this project will be handled under our Consultant Design Contract, STP-0001-00(853).

Should you have any questions, please contact Ken Werho of this office at 404-635-8144.

PMA:kms

Attachments

- cc: Frank Danchetz
- Tom Turner, w/attach.
- David Mulling, w/attach.
- [REDACTED]
- Herman Griffin, w/attach.
- Harvey Keeper, w/attach.
- Brent Thomas, w/attach.
- General Files

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**PROJECT CONCEPT REPORT**

**COFFEE COUNTY**

**STP-0003-00(789)**

STATE ROUTE NO: 158

FEDERAL ROUTE NO:

GADOT P.I. NO: 0003789

**SEE ATTACHED  
LOCATION SKETCH**

Date of Report: September 10, 2001

RECOMMENDED: 9-20-01  
DATE

Phillip M Allen  
STATE TRAFFIC SAFETY AND DESIGN ENGINEER

*B.S.P.*

RECOMMENDED: 10-01-01  
DATE

D. P. C. C.  
DISTRICT ENGINEER

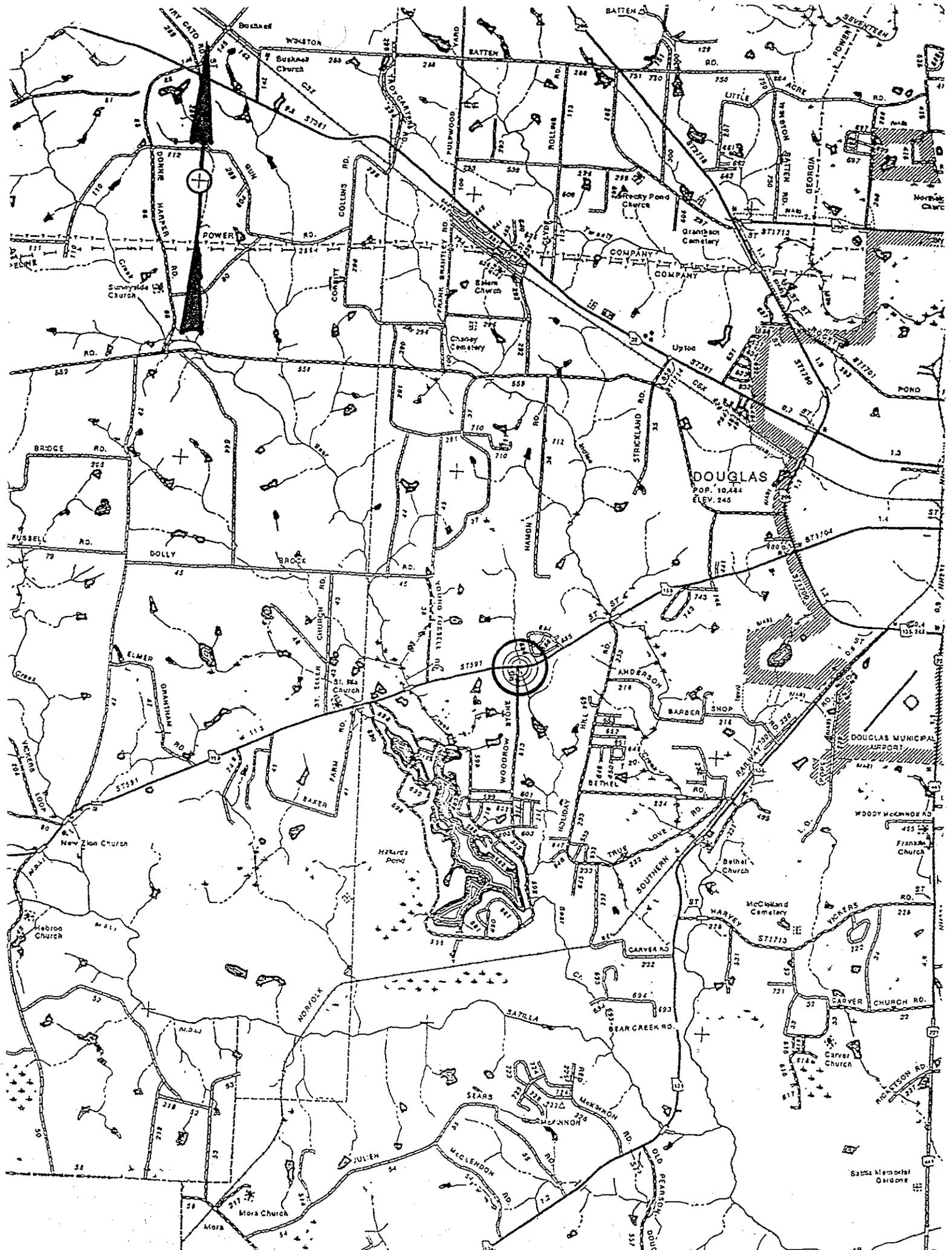
*J.*

RECOMMENDED: 10/01/01  
DATE

Allen  
CHIEF ENGINEER

APPROVED: \_\_\_\_\_  
DATE

Tom Calhoun  
COMMISSIONER



**PROJECT CONCEPT REPORT**

**P.I. No.:** 0003789

**Project No.:** STP-0003-00(789) Coffee County

**Route No.:** SR 158  
CR 513/Woodrow Stone Road

**Location:** The location of SR 158 @ CR 513/Woodrow Stone Road is located 2.75 miles southwest of the City of Douglas and 15 miles east of Irwin county line.

**Description:** The intersection of SR 158 @ CR 513/Woodrow Stone Road will consist of constructing a left turn lane on the westbound side of SR 158 to reduce potential rear end accidents. Also the extension of a 48 inch double line cross drain structure to protect against errant vehicles.

**Traffic - Current ADT:** SR 158 ----- 6,300 (2000 ADT)  
CR 513/Woodrow Stone Road ----- 159 (2000 ADT)

**Existing Typical:** SR 158: 2-12' travel lanes, one in each direction, with 4' grass shoulders.  
CR 513: 2-12' travel lanes, one in each direction, with 4' grass shoulders.

**Existing Right of Way:** SR 158 ----- 80' (Estimated)  
CR 513 ----- 80' (Estimated)

**Existing Traffic Control:** A stop sign exists on CR 513/Woodrow Stone Road at its approach to SR 158. Across from CR 513 there is a double-headed arrow along with two object markers.

**Existing Major Structures:** None.

**Statement of Need & Purpose:** Accident history shows a total of 7 accidents in the past 5 years. Due to the delay and accident history on SR 158 during peak hour, it is recommended that a left turn lane be constructed to accommodate traffic and to reduce rear end accidents. To improve the safety and orderly progression of traffic through the intersection, these improvements are recommended.

**Length:** 0.20 Miles

**Termini:** - SR 158 - - CR 513 -

**From M.P.:** 14.71 0.00

**To M.P.:** 14.91 0.02

**PDP Class:** Minor Existing

**Functional Class:** SR 158 ----- Urban Minor Arterial  
CR 513 ----- Rural Minor Collector

**Max Degree of Curve:** +/- 5 Degree

**Max Grades:** +/- 1 %

**Design Speed:** 55 mph

**Proposed Typical Section:** SR 158: 2-12' travel lanes, one in each direction, with a 12' left turn lane on westbound side. The pavement markings will be upgraded.

CR 513: To remain as is.

**Proposed major structures:** None

**Bike & Pedestrian:** None

**Type Access:** By Permit.

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

**Right-of-Way Requirement:** Coffee County

**Utilities:** Coffee County

**Estimated Cost:**

<b><u>Item</u></b>	<b><u>Total Amount</u></b>
R/W -----	\$ 10,300 (County LGPA)
Utilities -----	\$ 0 (County LGPA)
Estimated LGPA Total -----	\$ 10,300
Construction -----	\$ 95,000.00
Traffic Signal -----	\$ 0
E & C 10% -----	\$ 9,500.00
Total Construction -----	\$ 104,500.00

**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.

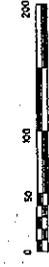
**Alternatives Considered:** None.

**Comments:** None.

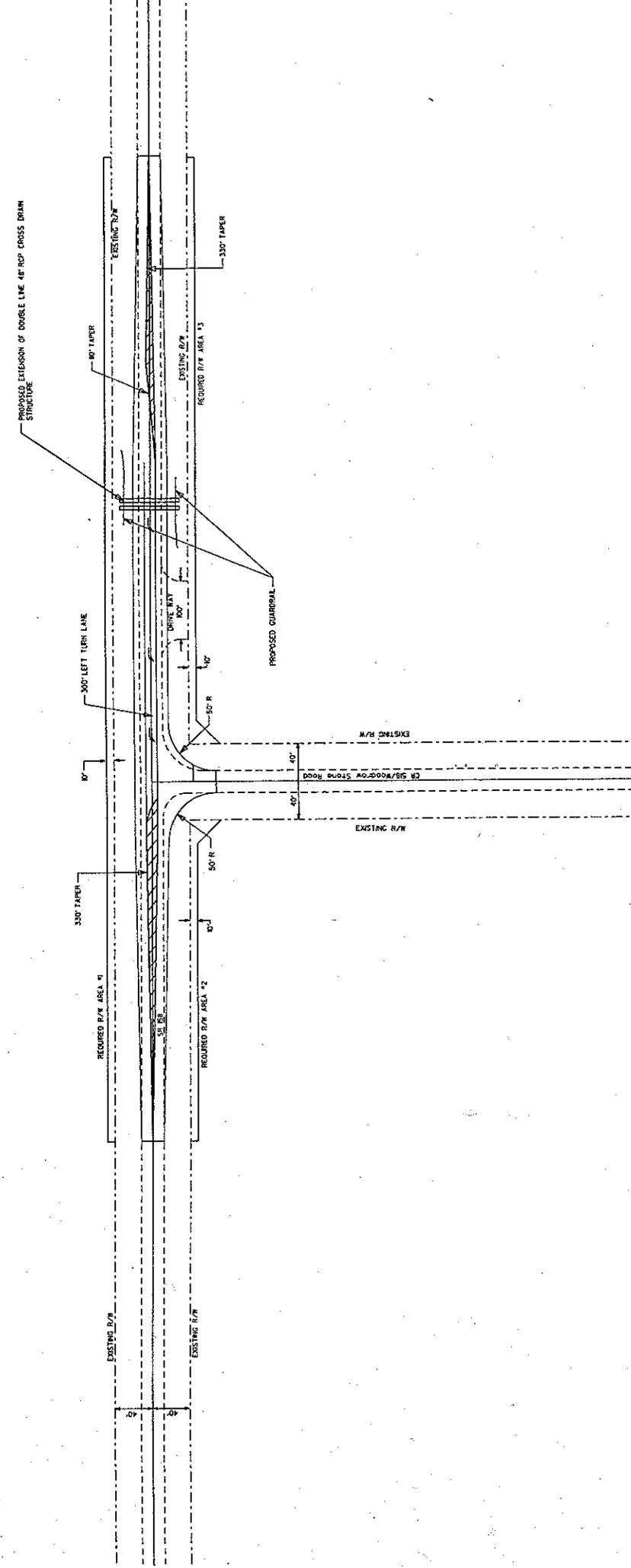
Prepared By:

  
Kevin M Stefanik

SR 158 @ CR 513/WOODROW STONE ROAD  
COFFEE COUNTY



ESTIMATED REQUIRED RIGHT OF WAY	
AREA #1:	84,400.00 SF
AREA #2:	3,000.00 SF
AREA #3:	5,000.00 SF
TOTAL:	92,400.00 SF



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE  
(912) 386-3435**

**FILE** Coffee County

**OFFICE** Tifton, GA

**DATE** January 24, 2001

**FROM** *B.A.T.* Brent A. Thomas, District Traffic Engineer

**TO** Marion G. Waters, III, P.E., State Traffic Operations Engineer

**ATTN** Joe Fletcher

**SUBJECT** Safety Project Request  
SR 158 @ CR 513 (Woodrow Stone Road)

Please find attached a T.E. Report on the above referenced location, concerning the need for a left turn lane on State Route 158. This originated from a request by Rep. Chuck Sims on the behalf of the residents in Bay Meadows Subdivision.

The location is approximately 2.75 miles southwest of the City of Douglas in a rural setting. Woodrow Stone Road is the first road from the City of Douglas that provides access to a fast growing community called Bay Meadows Subdivision. The residents commonly tend to use this road to access the subdivision instead of the main entrance approximately 1.5 miles further to the west.

Please advise if there are any questions and/or if additional information is needed.

BAT/bat

Xc: File

# TRAFFIC ENGINEERING REPORT

January 24, 2001

**FILE: SR 158 @ CR 513 (Woodrow Stone Road), MP 14.88**

**COUNTY: COFFEE      CITY:**

## **REASON FOR INVESTIGATION:**

To determine the need for a left turn lane is warranted.

## **REQUESTED BY:**

Rep. Chuck Sims on behalf of the residents in Bay Meadows Subdivision.

## **TOPOGRAPHY:**

Intersection is located in a sparse to moderately developed area of Coffee County approximately 2.75 miles SW of the City of Douglas. CR 513 (Woodrow Stone Road) connects to a fast growing development area called Bay Meadows Subdivision. The development in the area is mostly residential. The area is in an environmentally sensitive location. The intersection is located just west of an approximate 5-degree horizontal curve and in a sag between two vertical curves.

This intersection is a T-type intersection.

SR 158 is a 2-lane section

## **VEHICLE VOLUMES:**

The AADT on SR 158 is 6300 vehicles per day.

## **EXISTING TRAFFIC CONTROL:**

A stop sign exist on CR 513 (Woodrow Stone Road) at its approach with SR 158. Across from CR 513 there is a double-headed arrow along with two object markers.

On SR 158 there are "Congested Area" and 45MPH advisory signs on each approach to the intersection. There are chevrons around the curve just east of the intersection along with curve signs in advance.

## **PEDESTRIAN MOVEMENTS:**

Pedestrian volumes have not been determined, however judging from the area, pedestrian volumes will probably be low. There is a subdivision located just east of the intersection and a convenient store located in the SE quadrant.

## **SPEED LIMITS:**

The posted speed limit on SR 158 is 55 mph

## **ACCIDENT HISTORY:**

Two accidents in 1996, 4-injuries; two accidents in 1997, 3-injuries; one accident in 1998, no-injuries; one accident in 1999 with 1-injury; and one accident in 2000 with no-injuries around this intersection.

**OTHER INFORMATION:**

Bay Meadows Subdivision is a fast growing community around a lake. Presently it has new dwellings being constructed and shows signs of future development.

**CONCLUSIONS:**

As can be seen on the attached map it is expected that the development in the Bay Meadows Subdivision will further increase the left turns from SR 158. SR 158 is now experiencing a significant amount of congestion during afternoon peak hours.

**RECOMMENDATIONS:**

It is recommended that a left turn lane be constructed to reduce the potential of back end accidents, while motorists are waiting to turn left off SR 158 onto CR 513. Also the extension of the double line of 48 inch cross drain structure would help with the run out protection of errant vehicles.

If this cannot be approved as a safety project, I would like to request it be included in an existing long range project programmed to widen SR 158 from MP 15.14 to MP 17.51 (P.I. # 442940, STP-591(9)). The intersection of SR 158 @ CR 513 & previous curve could be corrected if the project was extended an additional 0.35 mile west.

PREPARED BY: \_\_\_\_\_ DATE \_\_\_\_\_  
DISTRICT TRAFFIC OPERATIONS MANAGER

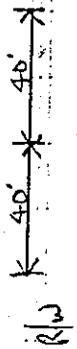
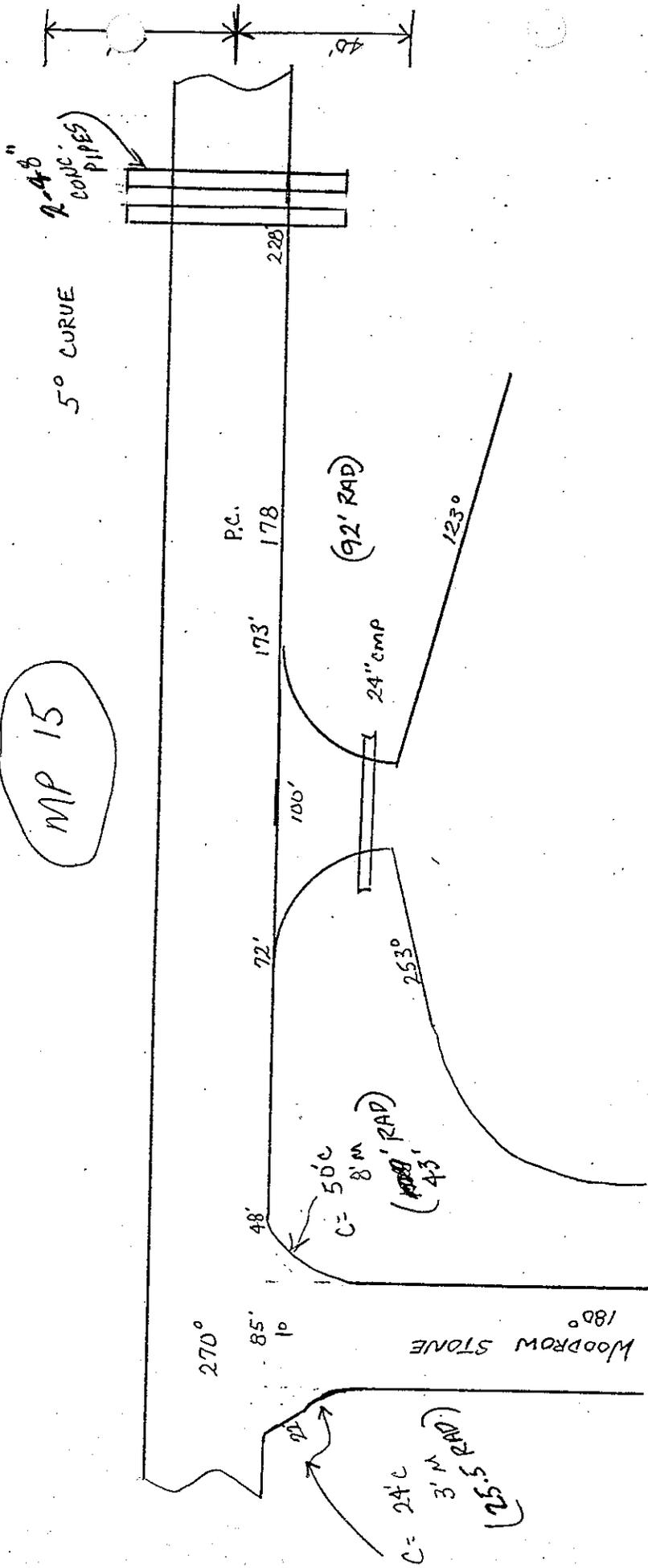
RECOMMENDED BY: Scott C. Shan DATE 1-24-01  
DISTRICT TRAFFIC ENGINEER

RECOMMENDED BY: \_\_\_\_\_ DATE \_\_\_\_\_  
STATE TRAFFIC OPERATIONS ENGINEER

APPROVAL BY: \_\_\_\_\_ DATE \_\_\_\_\_  
DIRECTOR OF OPERATIONS



MP 15





GEORGIA DEPARTMENT OF TRANSPORTATION  
TIFTON DISTRICT OFFICE

SR 158 @ WOODROW STONE RD.  
COFFEE COUNTY  
COUNTED BY: T.S.

TRAFFIC OPERATIONS

File Name : untitled1  
Site Code : 00000158  
Start Date : 12/01/200  
Page No : 1

Groups Printed Unshifted

Start Time	Southbound				SR 158 Westbound				WOODROW STONE RD. Northbound				SR 158 Eastbound				Int. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
03:00 PM	0	0	0	0	0	26	11	0	12	0	1	0	1	22	0	0	73
03:15 PM	0	0	0	0	0	41	21	0	6	0	4	0	1	21	0	0	94
03:30 PM	0	0	0	0	0	41	21	0	10	0	2	0	0	23	0	0	97
03:45 PM	0	0	0	0	0	36	39	0	11	0	5	0	4	34	0	0	129
Total	0	0	0	0	0	144	92	0	39	0	12	0	6	100	0	0	393
04:00 PM	0	0	0	0	0	33	17	0	13	0	3	0	3	19	0	0	88
04:15 PM	0	0	0	0	0	41	19	0	11	0	2	0	1	18	0	0	92
04:30 PM	0	0	0	0	0	34	25	0	8	0	3	0	2	19	0	0	91
04:45 PM	0	0	0	0	0	42	26	0	15	0	1	0	2	29	0	0	115
Total	0	0	0	0	0	150	87	0	47	0	9	0	8	85	0	0	386
05:00 PM	0	0	0	0	0	34	33	0	8	0	2	0	0	20	0	0	97
05:15 PM	0	0	0	0	0	62	24	0	12	0	2	0	1	21	0	0	122
05:30 PM	0	0	0	0	0	47	31	0	12	0	0	0	1	27	0	0	118
05:45 PM	0	0	0	0	0	39	23	0	14	0	2	0	1	29	0	0	108
Total	0	0	0	0	0	182	111	0	46	0	6	0	3	97	0	0	445
Grand Total	0	0	0	0	0	476	290	0	132	0	27	0	17	282	0	0	1224
Apprch %	0.0	0.0	0.0	0.0	0.0	62.1	37.9	0.0	83.0	0.0	17.0	0.0	5.7	94.3	0.0	0.0	
Total %	0.0	0.0	0.0	0.0	0.0	38.9	23.7	0.0	10.8	0.0	2.2	0.0	1.4	23.0	0.0	0.0	



# ANALYSIS REPORT 1

<b>Go To</b>
List of Routes
Query Summary
Year Selection

Number of Records: 5																			
Accident #	Date	County	Rt Type	Route	Mile	Int Rt Type	Int Rt	Ramp	Inj	Fatal	Manner of Collision	LOC	First Harmful Event	Light	Surface	D1	D2	VM1	VM2
999990062770454	1996-10-19 20:15:00	Coffee	State Route	015800	14.88	2	051300	3	0	0	Sideswipe - Same Direction	On Roadway	Motor Vehicle in Motion	Dark-Lighted	Dry	W	W	01	09
999990060460300	1996-02-17 22:15:00	Coffee	State Route	015800	14.98			1	0	0	Not A Collision With A Motor Vehicle	On Shoulder	Highway Traffic Sign Post	Dark-Not Lighted	Dry	W			10
999990073320760	1997-12-07 16:55:00	Coffee	State Route	015800	14.88	2	051300	0	0	0	Not A Collision With A Motor Vehicle	Off Roadway	Ditch	Daylight	Dry	E	E	05	02
999990071590443	1997-06-07 17:45:00	Coffee	State Route	015800	14.98			3	0	0	Not A Collision With A Motor Vehicle	On Shoulder	Ditch	Daylight	Dry	W			09
999990080790707	1998-03-14 20:43:00	Coffee	State Route	015800	14.88	2	051300	0	0	0	Not A Collision With A Motor Vehicle	Off Roadway	Utility Pole	Dark-Not Lighted	Dry	W			10
<b>Total Accidents: 5</b>										<b>Total Vehicles: 7</b>			<b>Total Injuries: 7</b>			<b>Total Fatalities: 0</b>			

PI NO	PROJECT	COUNTY	DESCRIPTION	FF PR	YEAR	ELD
4425-0-	STP-591(9)	COFFEE	SR 158 FM 200 FT WEST OF THURSTON PAULK RD TO SR 206	FY-2	2007/FY-06	
PROJECT LENGTH: 2.37			CONCEPT: WIDEN & RECST	CST EST: \$2,775,000	EST DATE: 3/01/99	EST. R/W COST: \$1,000,000
PROG TYPE: RECST/REHAB			PE DATE: 1/31/00	PROJ MGR: K. FULBRIGHT	SR 15800	US: STATUS: PRECST
TII DATA: R/W EST: \$1,000,000			R/W YEAR: 2003	CST EST: \$2,775,000	CST YEAR: 2003	PE YEAR: 0001
			UT EST:	CDs: 8		

SCHED START	SCHED FINISH	ACTIVITY	ACTUAL START	ACT/EST FINISH	PCT	FIELD DISTRICT: 4
6-Mar-2000	26-May-2000	DEFINE CONCEPT/RPT	NO RPT	NO RPT	0%	
24-Apr-2000		CONCEPT MTG		NO RPT		
29-May-2000		SUB RPT TO PRECST		NO RPT		
30-Jun-2000		RECV PRECST APPRV		NO RPT		
3-Jul-2000	28-Jul-2000	MGMT APPRV REPORT	NO RPT	NO RPT	0%	
31-Jul-2000	1-Jun-2001	ENVIRONMENTAL	1-Jan-2002	31-Oct-2002	0%	
	6-Feb-2001	HOLD PUBLIC HEARING		NO RPT		
22-Jan-2001	9-Feb-2001	MAPPING	NO RPT	NO RPT	0%	
5-Mar-2001	30-Mar-2001	FIELD SURVEYS	NO RPT	NO RPT	0%	
		FINAL ALT. APPROVAL		NO RPT		DISTRICT NOTES
		PRELIM. F.P.R. HELD		NO RPT		
30-Apr-2001	2-Nov-2001	PREL RD/RW PLANS	NO RPT	NO RPT	0%	
		SECURE 404 PERMIT	NO RPT	NO RPT	0%	
		L&D APPR	NO RPT	NO RPT	0%	
7-Jan-2002	1-Nov-2002	FINAL CST. PLANS	NO RPT	NO RPT	0%	
5-Nov-2001	30-Nov-2001	APPROVE R/W PLANS	NO RPT	NO RPT	0%	
11-Feb-2002	1-Mar-2002	STAKE R/W	NO RPT	NO RPT	0%	
	01-12	R/W AUTHORIZATION		LR-		:SCHED> SCHEDULE SUBMITTED FOR PE AND R/W
		FINAL FPR HELD		NO RPT		6-9-99
		RESP TO FFPR	NO RPT	NO RPT		
9-Jul-2001	22-Feb-2002	LAB SOILS	NO RPT	NO RPT	0%	
		HYDRAULICS	NO RPT	NO RPT	N/R	
		LAB BFI	NO RPT	NO RPT	0%	
		BRIDGE PLANS	NO RPT	NO RPT	N/R	
		U.S.T.s	NO RPT	NO RPT	0%	

BIKE PROVISIONS INCLUDED?: MEASUREMENT SYSTEM?: E CONSULTANT DATA?: N MPOs REF NO.:

>PDD : LR MARCH 99: ASSIGNED ROAD DESIGN ON 3/26/1999

>PLAN:

>DZN :

>BR : NO BRIDGE REQUIRED

>UTIL: RR:

>LGPA:

>LOC : FLY 5902/'00

>UST :

>R/W :

>EIS : RC | BURNS

>T&S : KBH:SEND PLANS FOR SIGN & MKG WHEN 50% COMPL 4/15/99

>PITS:

>404 : NEED IMPACTS TO DETERMINE

FUND1: Q24 R/W FY: 2003 PE FY: 0001

ACQUISITION BY = DOT # PARCELS: 0

FUNDS-AUTH:

REVIEWER:

SHIP\_ID: 990106

County: Coffee

Description: SR 158 FM 200 FT West of  
Thurston Paulk Rd to SR 206

**END PROJECT**  
(Milepoint 17.51)

**BEGIN PROJECT**  
(Milepoint 15.14)

COFFEE  
STP-591 (9)  
RECST/REHAB WIDENING  
SR 158 FM 200 FT WEST OF THURSTON  
PAULK RD TO SR 206  
442940  
2.37 MI.

County: Coffee  
Description: State Route 158 beginning approximately  
200 feet west of Thurston Paulk Road and  
ending at State Route 206  
Project Length: 2.37 Mile

