



2250 Irene Street
Jacksonville, Fla. 32204
June 13, 1994

Mr. J. W. Smith
Chief Engineer - C & S
Norfolk Southern Corporation
99 Spring Street, S. W.
Atlanta, Georgia 30303

Subject: WPI NO. 2128041, FAP NO. SP-000S(391)
74000-6931, Oak Hill Road
Nassau County, Parcel 1(SIG-P)
Crossing 713540-R, RRMP: 236.40

Dear Mr. Smith:

We are enclosing one(1) fully executed agreement dated June 13, 1994, involving your Company and covering the installation of grade crossing traffic control devices estimated at \$65,000.00.

The enclosed documents have been approved by the Department and you may consider this notice as your authorization to proceed with the work under the direction of this District. It is necessary that you notify our office prior to the performance of any work by Railroad forces at this location.

The work under this contract shall be performed in accordance with the provisions of the Federal Highway Administration's Federal-Aid Program Manual Volume 1, Chapter 4, Section 3, and/or Volume 6, Chapter 6, Section 2, as required.

Sincerely,

Lillian G. Porter
Asst. Dist. Railroad Coordinator

Enclosure

CC: Jimmy Keen, Lorenzo Alexander, Henry Pelt, Bill Brewer
Linda Green, FDOT
Art Hanak, Norfolk Southern Railway
T. J. Greeson, Nassau County Bd. of Commissioners



MEMORANDUM

DATE: June 13, 1994

TO: Marsha Johnson, Finance and Accounting Director
Contracts Funds Management Section - Mail Station 42
General Audit Office

FROM: *LGP*
Lillian G. Porter, Asst. Dist. Railroad Coordinator

SUBJECT: Contract Status Change

Contract # AA474 Total Executed Agreement Amount: \$65,000.00

Type of Contract:
New Addition Renewel Award Supplemental
Letter of Authorization

Vendor Name: Georgia Southern and Fla. Railway Co.

Vendor Number: VF 536 001 292 001

Job No(s): 74000-6931-49

WPI No(s): 2128041

Letting Date: N/A

Date of Award: N/A

Date of Contract Execution: June 13, 1994

Contract Beg. Date: 9-1-93 Ending Date: 9-1-95

Can this contract be renewed? Yes No

Service Type: 991-310

Comments:

Certification Statement: I certify that the above information is correct and a true reflection of information contained in the above referenced contract.

Typed Name: Linda E. Green Title: Operations & Mgt. Consultant Mgr.

Signature: _____ Date: _____

**RAILROAD REIMBURSEMENT AGREEMENT
GRADE CROSSING TRAFFIC CONTROL DEVICES-COUNTY**

COUNTY	SECTION	JOB NUMBER	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
74	000	6931	Oak Hill Road	Nassau	1 (SIG-P)	SP-000S(391)

THIS AGREEMENT, made and entered into this 13th day of June, 1994, by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, hereinafter called the DEPARTMENT, and Georgia Southern and Florida Railway Company a corporation organized and existing under the laws of Georgia, with its principal place of business in the City of Atlanta, County of Fulton, State of Georgia, hereinafter called the COMPANY; and Nassau County, a political subdivision of the State of Florida, acting by and through its Board of County Commissioners, hereinafter called the COUNTY.

WITNESSETH:

WHEREAS, the DEPARTMENT is constructing, reconstructing or otherwise changing a portion of the Public Road System, designated by the DEPARTMENT as Job No. 74000-6931, between _____ and _____, which crosses at grade the right-of-way and tracks of the COMPANY at a point _____ feet _____ from the COMPANY'S Milepost 236.40 FDOT/AAR Crossing Number 713540-R, at or near Kent, Fl, as shown on DEPARTMENT'S Plan Sheet No. one, attached hereto as a part hereof; and

NOW, THEREFORE, in consideration of the mutual undertakings as herein set forth, the parties hereto agree as follows:

1. The COMPANY shall furnish the necessary materials and install Automatic Grade Crossing Signals Type I Class I and/or other traffic control devices at said location on an actual cost basis, and in accordance with the DEPARTMENT'S Plans and Standard Index Number 17882 attached hereto and by reference made a part hereof.

2. After installation of said signals is completed, fifty (50) percent of the expense thereof in maintaining the same shall be borne by the COUNTY and fifty (50) percent shall be borne by the COMPANY, as enumerated by the Schedule of Annual Cost of Automatic Highway Grade Crossing Devices attached hereto and by this reference made a part hereof.

3. After said signals have been installed and found to be in satisfactory working order by the parties hereto, the same shall be immediately put into service, operated and maintained by the COMPANY so long as said COMPANY or its successors or assigns shall operate the said signals at said grade crossing; or until it is agreed between the parties hereto that the signals are no longer necessary or until the said crossing is abandoned; or legal requirements occur which shall cease operation of signals thereat. The COMPANY agrees that any future relocation or adjustment of said signals shall be performed by the COMPANY, but at the expense of the party initiating such relocation. Upon relocation, the maintenance responsibilities shall be in accordance with the provisions of this agreement.

4. Unless otherwise agreed upon herein, the COUNTY agrees to insure that at the crossing the advance warning signs and railroad crossing pavement markings will conform to the MUTCD within 30 days of notification that the railroad signal improvements have been completed and that such signs and pavement markings will be continually maintained at an acceptable level.

5. The COMPANY hereby agrees to install and/or adjust the necessary parts of its facilities along said road in accordance with the provisions set forth in the:

- xx (a) DEPARTMENT Procedure No. 132-046 "Reimbursement for Utility and Railroad Relocation," dated October 1, 1973, and Rule 014-46.002 "Responsibility for the Cost of Railroad/Highway Crossings," Florida Administrative Code, dated February 3, 1971,
- _____ (b) Federal Highway Administration Federal Aid Highway Program Manual Volume 1, Chapter 4, Section 3, dated August 5, 1988; and Volume 6, Chapter 6, Section 2, Subsection 1, dated April 24, 1984,

and any supplements thereto or revisions thereof, which, by reference hereto, are made a part hereof. The COMPANY further agrees to do all of such work with its own forces or by a contractor paid under a contract let by the COMPANY, all under the supervision and approval of the DEPARTMENT and the Federal Highway Administration, when applicable.

6. The DEPARTMENT hereby agrees to reimburse the COMPANY for all costs incurred by it in the installation and/or adjustment of said facilities, in accordance with the provisions of the above indicated Reimbursement Policy, and any supplements thereto or revisions thereof. It is understood and agreed by and between the parties hereto that preliminary engineering costs not incorporated within this agreement shall not be subject to payment by the DEPARTMENT.

7. Attached hereto, and by this reference made a part hereof, are plans and specifications of the work to be performed by the COMPANY pursuant to the terms hereof, and an estimate of the cost thereof in the amount of \$ 65,000.00 All work performed by the COMPANY pursuant hereto, shall be performed according to these plans and specifications as approved by the DEPARTMENT and the Federal Highway Administration if federal aid participating; and all subsequent plan changes shall likewise be approved by the DEPARTMENT and the Federal Highway Administration, when applicable.

8. All labor, services, materials and equipment furnished by the COMPANY in carrying out the work to be performed hereunder shall be billed by the COMPANY direct to the DEPARTMENT. Separate records as to the costs of contract bid items and force account items performed for the COMPANY shall also be furnished by the COMPANY to the DEPARTMENT.

9. The COMPANY has determined that the method to be used in developing the relocation or installation cost shall be as specified for the method checked and described hereafter:

____ (a) Actual and related indirect costs accumulated in accordance with a work order accounting procedure prescribed by the applicable Federal or State regulatory body.

____ (b) Actual and related indirect costs accumulated in accordance with an established accounting procedure developed by the COMPANY and approved by the DEPARTMENT.

____ (c) An agreed lump sum \$ _____, as supported by a detail analysis of estimated cost attached hereto. (NOTE: This method is not applicable where the estimated cost of the adjustment exceeds \$100,000.)

10. The installation and/or adjustment of the COMPANY'S facility as planned ~~and~~/will not involve additional work over and above the minimum reimbursable requirements of the DEPARTMENT. (If upgrading and/or nonreimbursable work is involved at the option of the COMPANY, then credit against the cost of the project is required and will be governed by the method checked and described hereafter):

____ (a) % will be applied to the final billing of work actually accomplished to determine required credit for (betterment) and/or (expired service life) and/or (nonreimbursable segments).

____ (b) All work involving nonreimbursable segments will be performed by special COMPANY work or job order number apart and separate from the reimbursable portion of the work; such work or job order number to be _____

____ (c) The COMPANY further agrees to clearly identify such additional work areas in the COMPANY'S plans and estimates for the total work covered by this Agreement. \$ _____ credited for (betterment) and/or (expired service life) and/or (nonreimbursable segments) in accord with Article 9.(c) herein above.

11. It is specifically agreed by and between the DEPARTMENT and the COMPANY that the DEPARTMENT shall receive fair and adequate credit for any salvage which shall accrue to the COMPANY as a result of the above installation and/or adjustment work.

12. It is further agreed that the cost of all improvements made during this adjustment work shall be borne by the COMPANY, subject only to the DEPARTMENT bearing such portion of this cost as represents the cost of adjustment of previously existing facility, less salvage credit as set forth in the immediately preceding paragraph.

13. Upon completion of the work the COMPANY shall, within one hundred eighty (180) days, furnish the DEPARTMENT with two (2) copies of its final and complete billing of all costs incurred in connection with the work performed hereunder, such statement to follow as closely as possible the order of the items contained in the estimate attached hereto. The totals for labor, overhead, travel expense, transportation, equipment, material and supplies, handling costs and other services shall be shown in such a manner as will permit ready comparison with the approved plans and estimates. Materials shall be itemized where they represent major components of cost in the relocation following the pattern set out in the approved estimate as closely as is possible. Salvage credits from recovered and replaced permanent and recovered temporary materials shall be reported in said bills in relative position with the charge for the replacement or the original charge for temporary use.

The final billing shall show the description and site of the Project; the date on which the first work was performed, or, if preliminary engineering or right-of-way items are involved, the date on which the earliest item of billed expense was incurred; the date on which the last work was performed or the last item of billed expense was incurred; and the location where the records and accounts billed can be audited. Adequate reference shall be made in the billing to the COMPANY'S records, accounts and other relevant documents. All cost records and accounts shall be subject to audit by a representative of the DEPARTMENT. Upon receipt of invoices, prepared in accordance with the provisions of the above indicated Reimbursement Policy, the DEPARTMENT agrees to reimburse the COMPANY in the amount of such actual costs as approved by the DEPARTMENT'S auditor.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly authorized officers, and their official seals hereto affixed, the day and year first above written.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: [Signature]

(SEAL)

ATTEST: [Signature]
Secretary

COMPANY: Georgia Southern and Florida Railway Company

BY: [Signature]
President - General Manager

(SEAL)

ATTEST: [Signature]
Assistant Secretary

Nassau COUNTY, FLORIDA

BY: [Signature]
(Title: chairman)

(SEAL)

ATTEST: [Signature]
Deputy Clerk

Approved as to Form, Legality
and ~~Execution~~
BY: [Signature] 8-18-93
Attorney - DOT Date

Approved as to Funds
Available
see attached encumbrance
BY: [Signature] 8-12-93
Fiscal-DOT Date

Approved as to FHPM
Requirements
Exemption from FHWA
BY: [Signature] Project Review
FHWA Date

=====
ENCUMBRANCE INPUT FORM
=====

RUSH _____ (Needed by ___/___/___ (date))

IØ

Reason for RUSH : _____
_____ Advertise _____ (Letting Date) _____ Award _____ Renewal _____
Letter of Authorization X New _____ Court Order _____ Overrun _____
Supplemental _ _ CorrectiOn _____ Addition _____ Termination Agmt. _____

IØ

Contract # AA474 Contract Type aa Method of Procurement r
Vendor Name Ga. Sou. & Fla. Rwy.co. Vendor ID VF 536 001 292 001
Has Written/Verbal Approval from a Participating Federal Agency
been received X Yes _____ No _____ Fed
Agmt Amt 58,500.00 State Funds 6,500.00 Local Funds _____

IØ

Beginning date of this Agmt: 9-01-93 (Must be after fund approval)
Ending date of this Agmt: 9-01-95 Estimate if necessary)
Execution date of this Agmt: ___/___/___ (Only on original agreements)
Has work been authorized to begin? _____ Yes x No _____ Have
standard financial provisions been altered by contract terms? _____
Yes x No _____ If so, show Revision date: _____ Does _____
this agreement and/or change order include provisions for
reimbursement to D.O.T. from other entities? _____ Yes x No _____ If
so, has the JPA been approved by the COMPTROLLER? _____ Yes _____ No _____
*****Georgia Southern and Florida Railway Company*****
Brief description of work: Norfolk Southern Railroad to install
Type i Class I Signals at Oak Hill Rd., Kent, Fla.,
Crossing No. 713540-r, RRmp: 236.40; 1993/94 rail highway safety
program

IØ

ORG-CODE *EO * OBJECT * AMOUNT * CO/SEC/JOB#/PH *FCT
(PROGRAM#) (WPI #) (FUND) numeric
(FY's) To be completed if funded in 2 or more fiscal years.

IØ

55024010206 *11 *563008 \$65,000.00 *74000-6931-49 *127

IØ

(3005) (2128041) (910)

IØ

IØ

Originator: Lillian G. Porter Date: 8/09/93, Phone 824-8751
E-mail user ID pt227lp

TO BE COMPLETED BY OFFICE OF COMPTROLLER

BUDGET ENTITY 5590 CATEGORY 088796-94
WORK ORDER BALANCE Authorized on 08/09/93=65,000.00
ALLOTMENT Ab=1,229,470.00 YEAR 94 DATE CHECKED 08/11/93

IØ

FUNDS APPROVED BY Marsha Johnson DATE 08/12/93

IØ

Lillian

FED. ROUTE NO.	U.S. Department of Transportation	LETTER OF APPROVAL AND/OR AUTHORIZATION AND FEDERAL AID PROJECT AGREEMENT	STATE	FLORIDA
STATE ROAD NO.	Federal Highway Administration		COUNTY	Statewide
1993 JUN 01			PROJECT NUMBER	SP-000S(391)
WPI NO.		STATE JOB NO.	NON-NHS:	

Various PROJECT TERMINI: Various

1993/94 Rail-Highway Grade Crossing Improvement Program.

CHARACTER OF PROPOSED WORK:
Rail-Highway Grade Crossing Safety Improvements Flashing Lights, Bells, Gates, Reworking Crossings as needed

PHASE OF WORK	APPROVAL AND/OR AUTHORIZATION	EFFECTIVE DATE OF AUTHORIZATION	APPROX. LENGTH (MILES)
HIGHWAY PLANNING AND RESEARCH(HPR)	BY:		
PRELIMINARY ENGINEERING For Railroad	BY: <i>X R. Gussel</i>	MAY 20 1993	-----
ACQUISITION OF RIGHT OF WAY	BY:		
CONSTRUCTION (Advertise for receipt of bids) If Needed	BY: <i>X R. Gussel</i>	MAY 20 1993	-----
UTILITIES	BY:		
OTHER(Specify) Statewide Rail-Hwy. Crossing Pgm Force Account	BY: <i>X R. Gussel</i>	MAY 20 1993	-----

REMARKS:
The Florida Department of Transportation has exempted itself from FHWA project review and oversight on this Federal-aid project per Secretary Warts' March 4, 1992 letter to Mr. J.R. Skinner in accordance with revised 23 U.S.C. 106(b)(2).

Construction \$2,429,055.00
CEI 284,100.00
P.E. Dist. 1 127,845.00

13570-6901 09600-6901
16570-6904 12670-6913
91530-6907 12014-6901
91530-6908 17007-6901

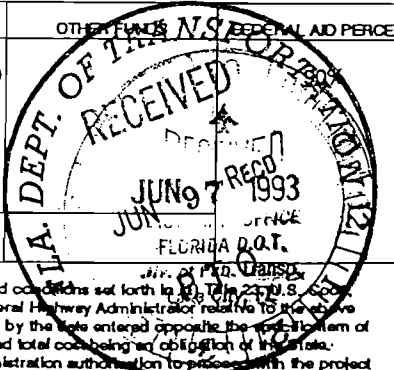
Funds Available
csi 5/20/93

46000-6924 55000-6942
48000-6982 55000-6941
50000-6929 57000-6928
52040-6901 55000-6940
54000-6912

5/26/93 per Ron
State will code?
Dist. 3

IN STIP PLAN: YES , PAGE NO. 306 , NO _____ , AMENDMENT BEING PROCESSED.

APPR CODE	FUNDS (DOLLARS)					FEDERAL AID PERCENT
	TOTAL PROJECT COSTS	FEDERAL AID ELIGIBLE COSTS	FEDERAL FUNDS	STATE FUNDS	OTHER FUNDS	
33M	\$2,841,000	\$2,841,000	\$2,556,900	\$284,100		
TOTAL	\$2,841,000	\$2,841,000	\$2,556,900	\$284,100		



The State, through its Highway Agency, having compiled or hereby agreeing to comply, with the applicable terms and conditions set forth in the Federal-Aid Highway Act of 1956, as amended, (2) the Regulations issued pursuant thereto and, (3) the policies and procedures promulgated by the Federal Highway Administration for the project, and the Federal Highway Administration having authorized certain work to proceed as evidenced by the data entered opposite the project name of work, Federal funds are obligated for the project not to exceed the amount shown herein, the balance of the estimated total cost being an obligation of the State. Such obligation of Federal funds extends only to project costs incurred by the State after the Federal Highway Administration authorization to proceed with the project involving such costs.

The State further stipulates that as a condition to payment of the Federal funds obligated, it accepts and will comply with the applicable provisions set forth on the following pages:

Dist. 2

FLORIDA DEPARTMENT OF TRANSPORTATION
(Official name of Highway Agency)

By: *Charles T. Faircloth* 5/17/93
Charles T. Faircloth
Federal Aid Programs Manager
(Title)

30000-6907
74000-6930
74000-6931
74000-6932
72099-6947
26000-6954
34000-6904

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
FOR THE DIVISION ADMINISTRATOR

By: *R. Gussel*
R. Gussel
FINANCIAL MANAGER
(Division Administrator)
MAY 20 1993
Date

JUN 01 1993

cc: Dist. 1, 2, 3

5/26/93

FLORIDA

LAWTON CHILES
GOVERNOR



DEPARTMENT OF TRANSPORTATION

BEN G. WATTS
SECRETARY

M E M O R A N D U M

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

DATE: September 2, 1992

TO: File

FROM: Jimmy Keen, District Railroad Coordinator

J. Keen

COPIES TO: Henry Pelt, Administrator, Rail Operations
Lorenzo Alexander, District Public Transportation Manager

SUBJECT: Estimate for Signal Installation

Per telephone conversation with Mr. Art Hanak, Norfolk Southern Corporation, the estimate for the installation of flashing lights at railroad crossing no. 713540-R, RRMP: 0236.40 in Nassau County, Florida is \$65,000.00.

RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES

COUNTY	SECTION	JOB NUMBER	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
74	000	6931	Oak Hill Road	Nassau	1 (SIG-P)	SP-000S(391)

COMPANY NAME: Georgia Southern and Florida Railway

A. JOB DESCRIPTION & LOCATION: Oak Hill Road, Nassau County

B. TYPE OF ROADWAY FACILITY: Two Lane rural dirt road

C. FDOT/AAR XING NO.: 713540-R RR MILE POST TIE: 236.40

D. TYPE SIGNALS PROPOSED I CLASS I DOT INDEX: 17882

**SCHEDULE OF ANNUAL COST OF AUTOMATIC
HIGHWAY GRADE CROSSING TRAFFIC CONTROL DEVICES**

Annual Maintenance Cost Exclusive of Installation

<u>CLASS</u>	<u>DESCRIPTION</u>	<u>COST*</u>
I	Flashing Signals - One Track	\$1,404.00
II	Flashing Signals - Multiple Tracks	\$1,858.00
III	Flashing Signals and Gates - One Track	\$2,117.00
IV	Flashing Signals and Gates - Multiple Tracks	\$2657.00

*Effective July 1, 1991

AUTHORITY: FLORIDA ADMINISTRATIVE RULE 014.46.002
Responsibility for the Cost of Automatic Highway
Grade Crossing Traffic Control Devices

EFFECTIVE DATE: July 1, 1991

GENERAL AUTHORITY: 334.044 F.S.

SPECIFIC LAW IMPLEMENTED: 335.141 F.S.

COUNTY RESOLUTION
GRADE CROSSING TRAFFIC CONTROL DEVICES AND FUTURE RESPONSIBILITY

COUNTY	SECTION	JOB NUMBER	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
74	000	6931	Oak Hill Rd.	Nassau	1(SIG-P)	

A RESOLUTION AUTHORIZING EXECUTION OF A RAILROAD REIMBURSEMENT AGREEMENT FOR THE INSTALLATION OF GRADE CROSSING TRAFFIC CONTROL DEVICES, AND FUTURE MAINTENANCE AND ADJUSTMENT OF SAID DEVICES: PROVIDING FOR THE EXPENDATURE OF FUNDS AND PROVIDING WHEN THIS RESOLUTION SHALL TAKE EFFECT.

RESOLUTION NO. 93-113

ON MOTION OF Commissioner Crawford, seconded by Commissioner Higginbotham, District 1, the following RESOLUTION was adopted

WHEREAS, the State of Florida Department of Transportation is constructing, reconstructing or otherwise changing a portion of the Public Road System, between _____ and _____ which shall call for the installation and maintenance of railroad grade crossing traffic control device for railroad grade crossing over or near said highway; and

NOW, THEREFORE, BE IT RESOLVED BY THE COUNTY COMMISSION OF Nassau COUNTY, FLORIDA;

That Nassau County enter into a RAILROAD REIMBURSEMENT AGREEMENT with the State of Florida Department of Transportation and the Georgia Southern and Florida Railway Company ~~CSX Transportation~~ for the installation and maintenance of certain grade crossing traffic control devices designate as Job No. 74000-6931 on Oak Hill Road which crosses the right of way and tracks of the Company at FDOT/AAR Crossing No. 713540-R located near Kent Carraban, Florida; and

That the County assume its share of the costs for future maintenance and adjustment of said grade crossing traffic control devices as designated in the RAILROAD REIMBURSEMENT AGREEMENT; and

That the Chairman and Clerk of the Board of County Commissioners be authorized to enter into such agreements with the State of Florida Department of Transportation and the _____ Company as herein described; and

That this RESOLUTION shall take effect immediately upon adoption.

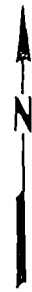
INTRODUCED AND PASSED by the Board of County Commissioners of Nassau County, Florida, in regular session, this 14th day of June 19 93

ATTEST: [Signature]
Clerk of the Board of County Commissioners

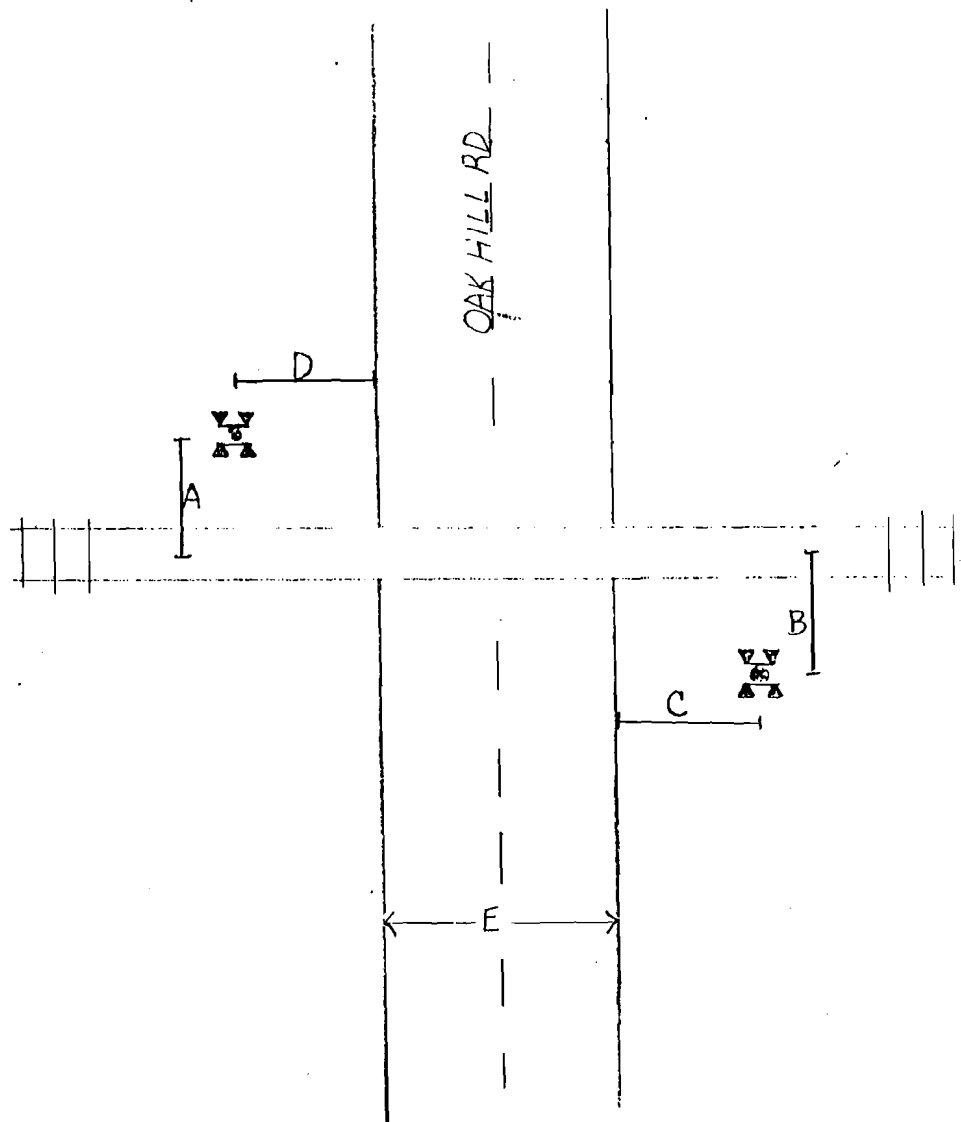
[Signature]
Chairman of the Board of County Commissioners

[Signature] Clerk, by [Signature], DC

ALL UNDERGROUND UTILITIES TO BE LOCATED
AND ADJUSTED BY UTILITIES' OWNER AS NEEDED.



PROJECT NO.	_____
W.P.I. NO.	_____
FAP NO.	_____



- A. 12'
- B. 12'
- C. 15'
- D. 15'
- E. 24'

REMARKS: EXISTING: CROSS BUCKS, ADVANCED WARNING SIGNS.

RECOMMENDED: NASSAU COUNTY TO READJUST AND RELOCATE ADVANCED WARNING SIGNS (W/O) TO CONFORM TO DOT STANDARDS. COUNTY ALSO TO EXTEND PIPE IN SE QUADRANT AND THE NW QUADRANT A MINIMUM OF 20' AND FURNISH APPROXIMATELY 40 CU. YDS. OF FILL
Georgia Southern and Florida Railway Company
DIRT/ NORFOLK SOUTHERN TO INSTALL FLASHING LIGHTS.

ALL IMPROVEMENTS TO BE MADE IN ACCORDANCE WITH D.O.T. STANDARD INDEX NO. 17882.

NOT TO SCALE

FLORIDA DEPARTMENT OF TRANSPORTATION RAIL-HIGHWAY GRADE CROSSING IMPROVEMENT	
CROSSING NO. <u>713540-R</u>	COMPANY <u>N.S.</u>
TYPE: <u>I</u>	CLASS: <u>I</u>
LOCATION: <u>OAK HILL RD</u>	
DRAWN BY: <u>D. WHITNEY</u>	DATE: <u>8-27-92</u>

7/15/92

FLORIDA DEPARTMENT OF TRANSPORTATION
DIAGNOSTIC FIELD REVIEW REPORT
RAIL-HIGHWAY GRADE CROSSING
DATA SHEET

PAGE 1

PROJECT NO. _____

W.P.A. NO. _____

CROSSING NO.: 713540-R PRIORITY NO.: 0933 COUNTY: NASSAU CITY: ~~CALLAHAN~~ Kent RDWY: OAK HILL R D
CLASSIFICATION/LOCATION: DATE LAST UPDATED: 860915
R.R. CO.: SOUTHERN RAILWAY R.R. BRANCH: G-LINE STATION: CRAWFORD R.R. MILEPOST: 0236.40
R.R. CROSSING STATUS: OPEN AS OF 831115 PROPOSED STATUS: NO USE, OPEN

RAIL OPERATIONS: DATE LAST UPDATED: 861021
TRAIN MOVEMENTS: 10 PER DA MAXIMUM TRAIN SPEED: ⁶⁰~~055~~ EFFECTIVE: 860926 NO. OF MAIN TRACKS: 1 OTHER TRACKS: 00

WARNING DEVICES: DATE LAST UPDATED: 900618
EXISTING PROTECTION: X-BUCK TYPE OF TRAIN DETECTION: UNKNOWN PREEMPTION: N ADVANCE WARNING: N

PHYSICAL DATA: DATE LAST UPDATED: 860805
R.R. CROSSING ANGLE: 90 DEGREES NO. OF THRU LANES: ²~~01~~ OTHER LANES: 0 HIGHWAY SPEED: 025 DIST. TO INTERSECT.: 00020
ACTUAL STOPPING SIGHT DIST. (FT): 160 MIN. CLEAR QUAD. SIGHT DIST. (FT): 025 PARALLEL RD.: OTHER RD T OR + W/IN 200 FT.
CROSSING CONDITION: FAIR APPROACH CONDITION: ROUGH TRANSITION OR CROSSING MAINTAINING AGENCY: COUNTY

DEPARTMENT DATA: DATE LAST UPDATED: 911029
TRAFFIC VOL. (ADT): 000113 AS OF 910826 SCHOOL BUS COUNT: 004 AS OF 1990 PERCENT TRUCKS: .00 HAZARDOUS MATLS.: U

SAFETY DATA: DATE LAST UPDATED: 920706
PRED. ACCID./YEAR: 000.049 SAFETY INDEX: 58.55 RECOMMENDED WARNING DEVICE: FL ESTIMATED COST: 0036.0 THOUSAND

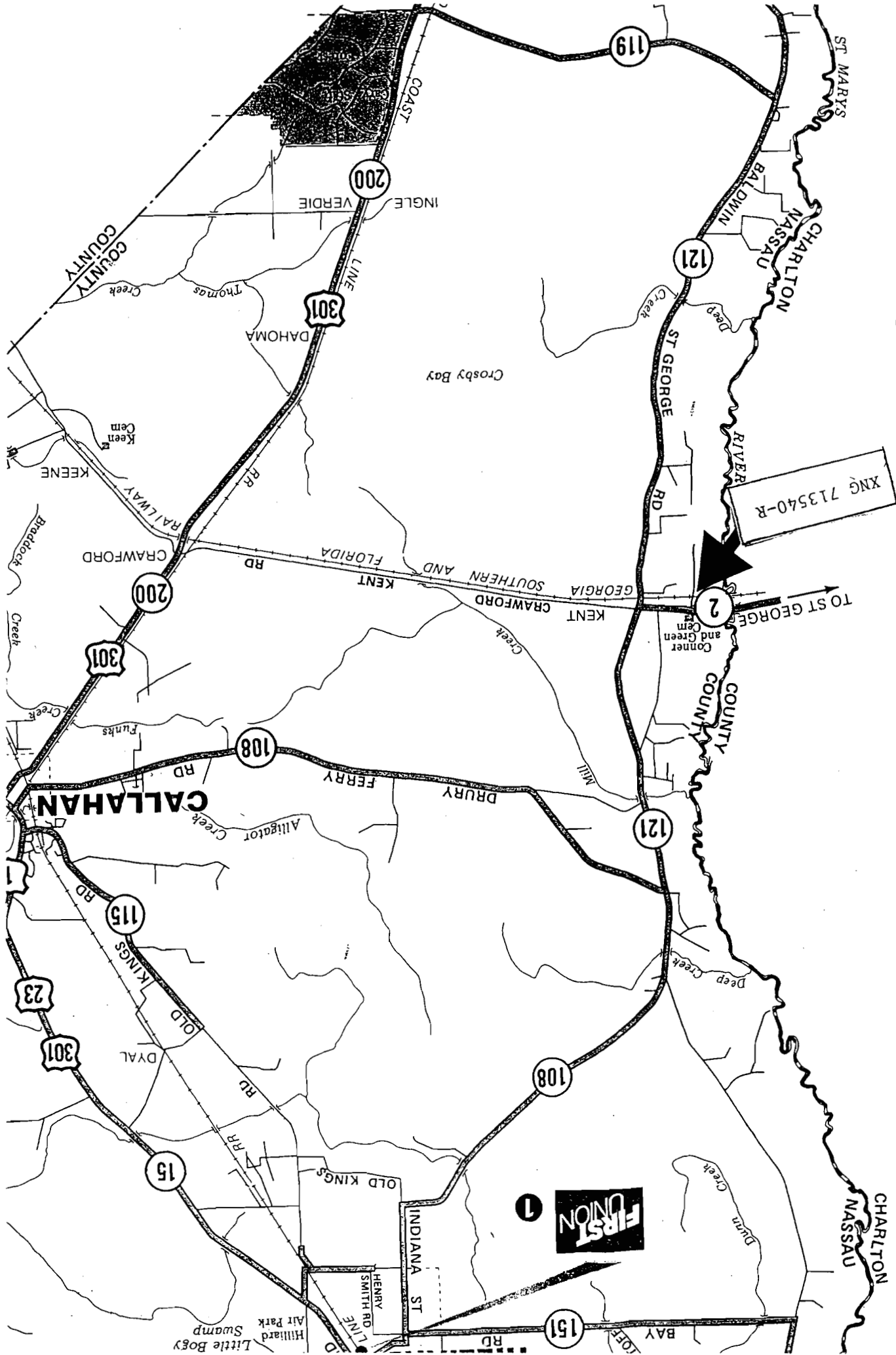
DESCRIPTION OF SITE/INSTALLATION CONFLICTS: _____

REVIEW TEAM RECOMMENDATION: Georgia Southern and Florida Railway Company
NORFOLK SOUTHERN TO INSTALL FLASHING LIGHTS.

DATE REVIEWED 8-27-92 BY DONNIE WHITNEY.

REVIEW TEAM PERSONNEL: D.O.T. RAIL JIMMY KEEN D.O.T. SAFETY BASIL MCKNIGHT RAILROAD CO. ALVIN ADAMS, N.S.
FHWA LOCAL JOHN MYERS, NASSAU CO. WARREN HOLLINGSWORTH JAY CONSER-BILL BREWER
RAIL BUREAU-JOHN ROBERTSON EARL HODGES
HENRY PELT

G E O R G I A



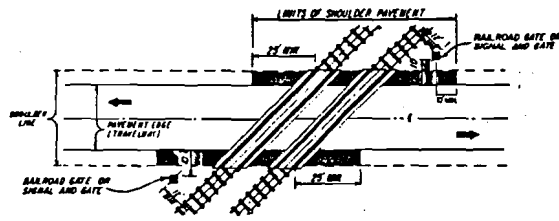
XNG 713540-R



FIRST UNION

1

PLEASE DETAIL THIS SHEET FOR STANDARD PULASKI SHEET FROM PLANNING FILES.

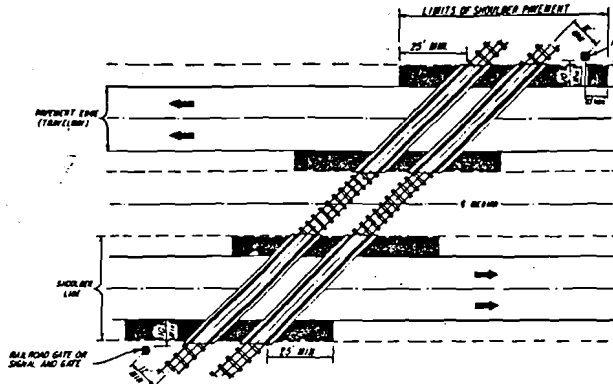


TRACK CLEARANCE FOR ACUTE OR RIGHT ANGLE CROSSINGS

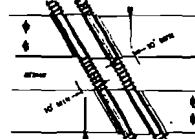


TYPICAL LOCATION PLAN FOR GATE OR FLASHING SIGNAL WITH GATE WHEN TRACKS ARE AT OBLIQUE ANGLE.

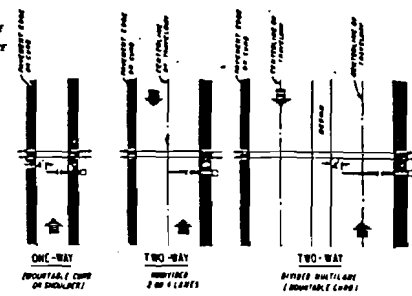
NOTE: IT IS INTENDED THAT THE FULL SHOULDER WIDTH OF THE EXISTING ROADWAY BE MAINTAINED. WHERE AN EXISTING SHOULDER IS SUBSTANTIALLY SUBSTANDARD FOR THE FACILITY INVOLVED, THE SHOULDER WIDTH SHOULD BE UPGRADED TO MEET CURRENT STANDARDS.



TRACK CLEARANCE FOR ACUTE OR RIGHT ANGLE CROSSINGS



TYPICAL LOCATION PLAN FOR GATE OR FLASHING SIGNAL WITH GATE WHEN TRACKS ARE AT OBLIQUE ANGLE.

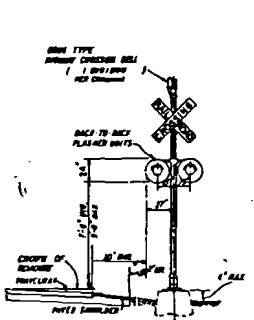


NOTE: SHOWS HEIGHT DIRECTION OF PANEL, NOT LANE DIRECTION

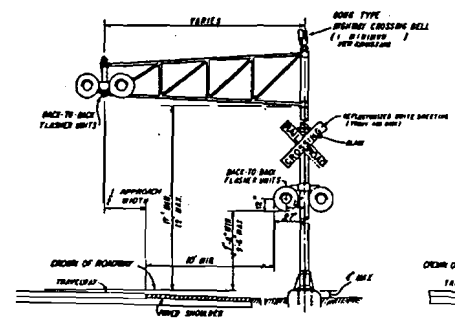
FIGURE 1

GATE LENGTH REQUIREMENTS

SIGNAL PLACEMENT AT RAILROAD CROSSING (2-LANE DESIGN)

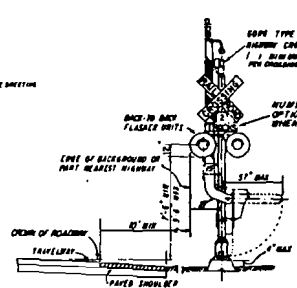


TYPE I

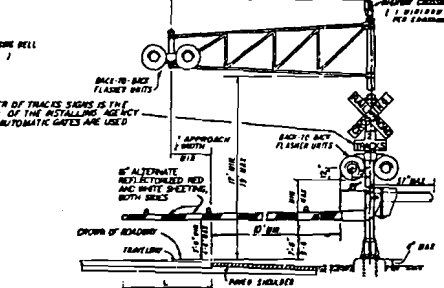


TYPE II

SIGNAL PLACEMENT AT RAILROAD CROSSING (4-LANE DESIGN)



TYPE III



TYPE IV

NOTE: TWO SEPARATE FOUNDATIONS MAY BE REQUIRED ONE FOR SIGNALS, ONE FOR GATES, DEPENDING ON TYPE OF EQUIPMENT USED.

GENERAL NOTES

- NO GUARDRAIL IS PROPOSED FOR SIGNALS; HOWEVER, SOME FORM OF IMPACT ATTENUATION DEVICE MAY BE SPECIFIED FOR CERTAIN LOCATIONS.
- ADVANCE FLASHER TO BE INSTALLED WHEN AND IF CALLED FOR IN PLANS OR SPECIFICATIONS.
- TOP OF FOUNDATION SHALL BE NO GREATER THAN 4" ABOVE FINISHED SHOULDER GRADE.
- TYPE OF TRAFFIC CONTROL DEVICES
 - I FLASHING SIGNALS
 - II FLASHING SIGNALS WITH CANTILEVER
 - III FLASHING SIGNALS WITH GATE
 - IV FLASHING SIGNALS WITH CANTILEVER & GATE
 - V GATE
- CLASS OF TRAFFIC CONTROL DEVICES
 - I FLASHING SIGNALS-ONE TRACK
 - II FLASHING SIGNALS-MULTIPLE TRACKS
 - III FLASHING SIGNALS AND GATES-ONE TRACK
 - IV FLASHING SIGNALS AND GATES-MULTIPLE TRACKS

FLORIDA DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES

REVISIONS			REVISIONS			INITIALS		DATES	
DATE	INITIALS	DESCRIPTION	DATE	INITIALS	DESCRIPTION	Checked by	CG	4-8-76	Approved
8-7-68	LW	CHANGED NUMBERS OF FLASHER UNITS	7-19-77	J J	ADDED SIGNAL TYPE NUMBER CROSSING BELL	Checked by	RM	4-8-76	<i>J. K. Smith</i>
10-19-68	J B	ADDED SHEET 2 OF 4 TO INDEX	11-9-77	J J	ADDED SHEET 3rd TO INDEX	Checked by			
10-19-68	J B	ADDED SHEET 3 OF 4 TO INDEX	8-27-76	AMB	REVISED NOTE, "EXISTING TYPE OF FLASHER SIGNAL"	Checked by			
10-19-68	J B	REVISED NOTE, "EXISTING TYPE OF FLASHER SIGNAL"				Checked by			

DRAWING NO. INDEX NO.
1 - 4 174R2

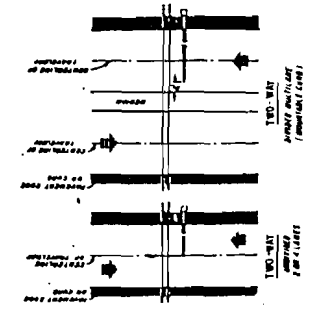
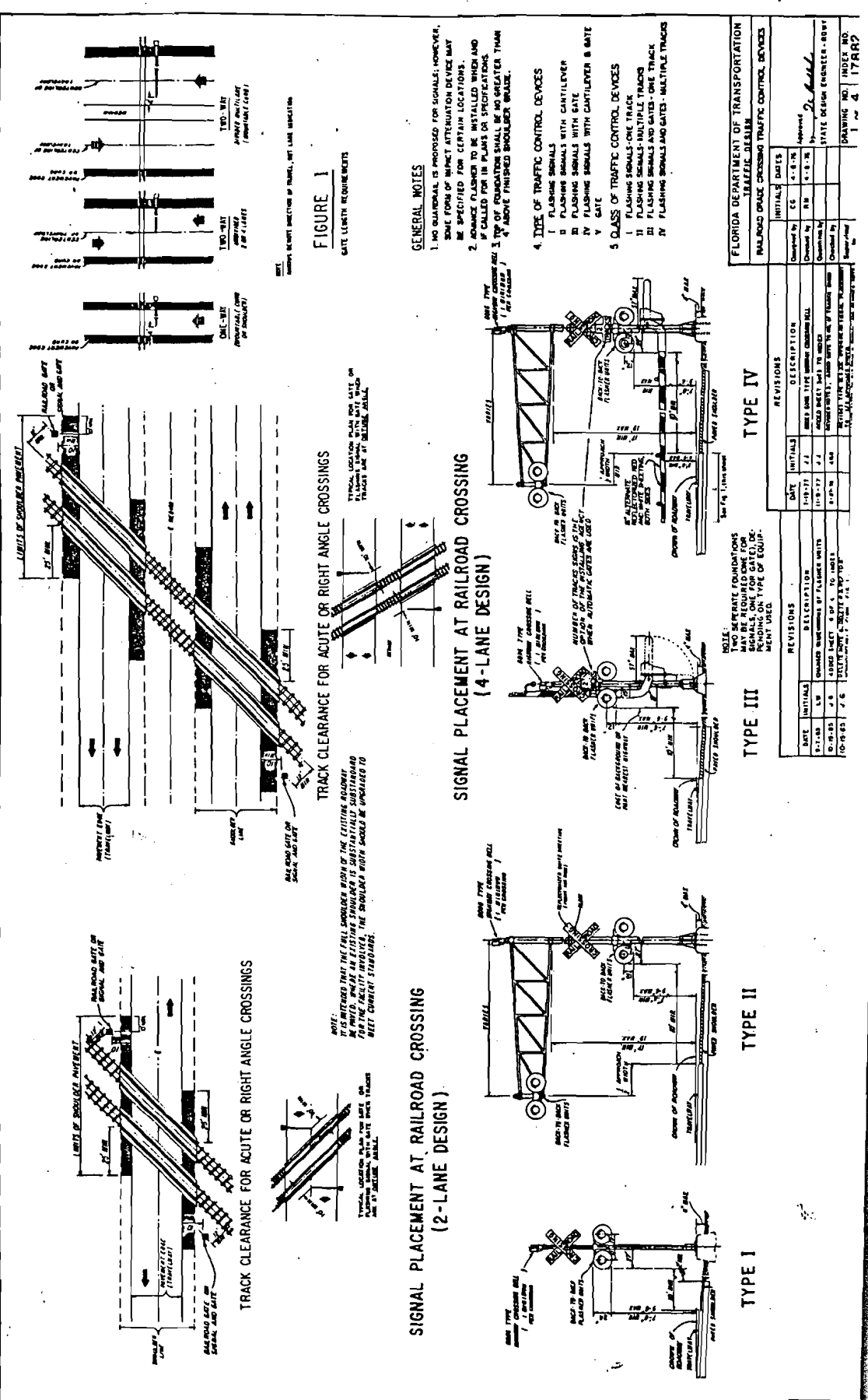


FIGURE 1
 GATE LENGTH REQUIREMENTS

GENERAL NOTES
 1. NO SIGNAL IS PROVIDED FOR SIGNALS; HOWEVER, SOME FORM OF SIGNAL ATTENUATION DEVICE MAY BE SPECIFIED FOR CERTAIN LOCATIONS.
 2. ADVANCE FLASHER TO BE INSTALLED THROUGHOUT AND CALLED FOR IN PLANS OR SPECIFICATIONS IF TOP OF FOUNDATION SHALL BE NO GREATER THAN 4" ABOVE FINISHED SHOULDER GRADE.
 3. TYPE OF TRAFFIC CONTROL DEVICES
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 III FLASHING SIGNALS AND GATES-ONE TRACK
 IV FLASHING SIGNALS AND GATES-MULTIPLE TRACKS

NOTE: PRIVATE FOUNDATIONS MAY BE REQUIRED FOR SIGNALS, ONE FOR GATE, DEPENDENT ON TYPE OF EQUIPMENT USED.

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REVISIONS	
DATE	DESCRIPTION
11-19-71	A.J. AMES ONE TYPE SIGNAL CONTROL BELL
11-19-71	A.J. AMES ONE TYPE SIGNAL CONTROL BELL
8-19-70	A.S. CHANGED NUMBERING OF FLASHER UNITS
8-19-70	A.S. CHANGED SIZE OF GATE TO 10' 0"
8-19-65	J.C. ADDED ONE UNIT TO TYPE I

REVISIONS	
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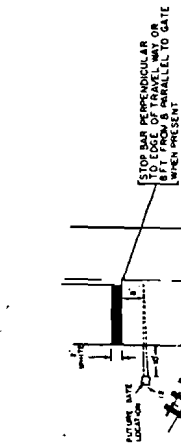
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FLORIDA DEPARTMENT OF TRANSPORTATION
 STANDARD PLANS SHEET
 RAILROAD CROSSING TRAFFIC CONTROL DEVICES

DATE: 11-19-71
 DRAWN BY: J.C.
 CHECKED BY: A.S.
 APPROVED BY: A.S.
 STATE DESIGN ENGINEER - ROAD
 DRAWING NO. 17400
 1 of 4

RAILROAD CROSSING AT TWO (2) - LANE ROADWAY



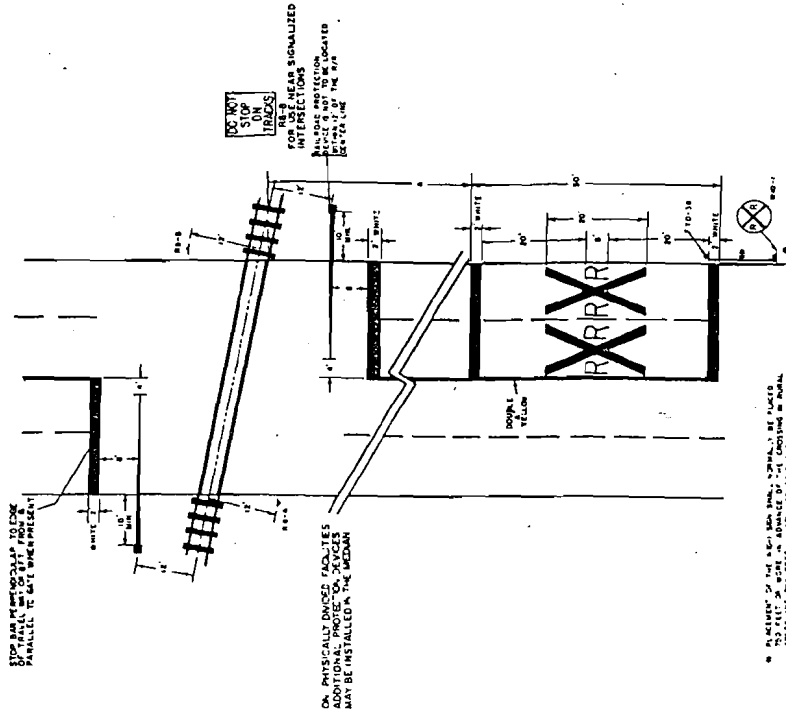
STOP BAR PERPENDICULAR TO ROADWAY 10' FROM GATE LOCATION WHEN PRESENT

SPEED M.P.H.	"A" IN FT.
55	425
50	350
40	275
30	200
URBAN	50 MIN.

"A" VALUE IS BASED ON AASHTO M382

WHERE STREET INTERSECTIONS OCCUR AT GRADE, ADDITIONAL SIGNS AND PAVERS SHOULD BE USED.
RECOMMENDED LOCATION FOR 710-18 SIGNS (OO) USRAA AND THE PAVES.

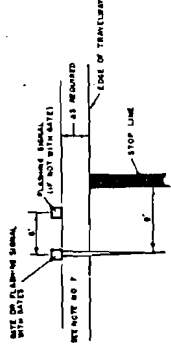
RAILROAD CROSSING AT MULTI-LANE ROADWAY



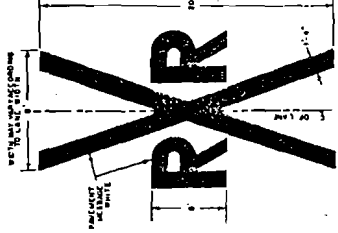
STOP BAR PERPENDICULAR TO ROADWAY 10' FROM GATE LOCATION WHEN PRESENT

ON PHYSICALLY DIVIDED FACILITIES ADDITIONAL PROTECTIVE DEVICES MAY BE INSTALLED IN THE MIDDLE

FOR USE NEAR SIGNALIZED INTERSECTIONS STOP SIGNS SHOULD BE PLACED 10' FROM THE TRACKS



RELATIVE LOCATION OF CROSSING TRAFFIC CONTROL DEVICES



REVISIONS

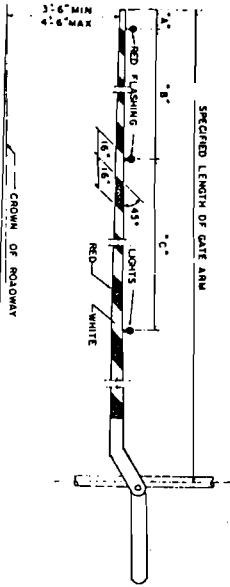
DATE	INITIALS	DESCRIPTION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION

FLORIDA DEPARTMENT OF TRANSPORTATION
RAILROAD CROSSING TRAFFIC CONTROL DEVICES
DRAWING NO. 3 OF 4

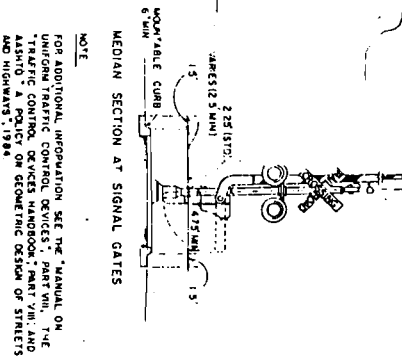
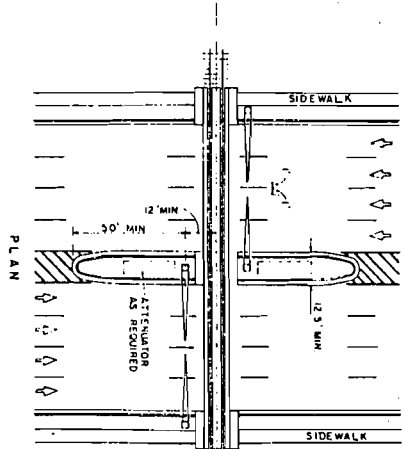
DATE	INITIALS	DESCRIPTION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION
10/1/77	JAC	ADDED 10' FROM GATE LOCATION

APPROVED BY: [Signature]
STATE DESIGN ENGINEER-HSBT

DRAWING NO. 3 OF 4
INDEX NO. 17882



SPECIFIED LENGTH OF GATE ARM	LENGTH OF FLASHING LIGHTS	LENGTH OF RED LIGHTS	LENGTH OF WHITE LIGHTS
1-4 FT	6"	3.6"	5.0"
5-7 FT	1.8"	3.6"	5.0"
8-17 FT	2.4"	3.6"	5.0"
18-19 FT	2.4"	3.6"	5.0"
20-23 FT	2.4"	3.6"	5.0"
24-28 FT	2.8"	4.0"	5.0"
29-31 FT	2.8"	4.0"	5.0"
32-34 FT	3.6"	7.6"	7.0"
35-37 FT	3.6"	7.6"	7.0"
38 AND OVER	3.6"	10.0"	10.0"



MEDIAN SIGNAL GATES FOR MULTI LANE UNDIVIDED URBAN SECTIONS (FOUR OR MORE DRIVING LANES IN ONE DIRECTION, 45 MPH OR LESS)

NOTE:
FOR ADDITIONAL INFORMATION SEE THE "MANUAL ON URBAN TRAFFIC CONTROL DEVICES", PART VII, THE "MANNING" SERIES, PREPARED BY THE FEDERAL BUREAU OF INVESTIGATION AND HIGHWAYS, 1984.

STATE PROJ. NO. DATE

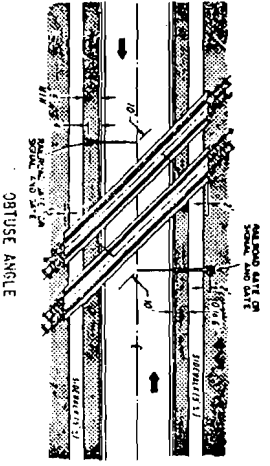
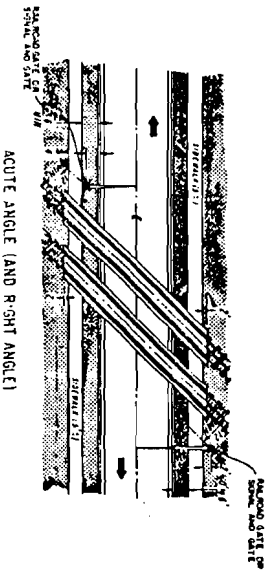
STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION
TRAFFIC DIVISION

RAILROAD-GRADE CROSSING RAFFAELIC CONTROL DEVICES

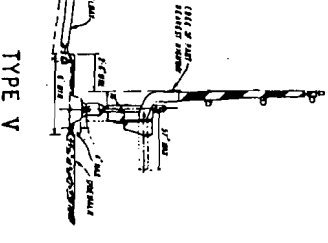
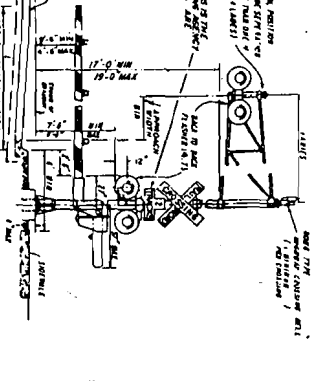
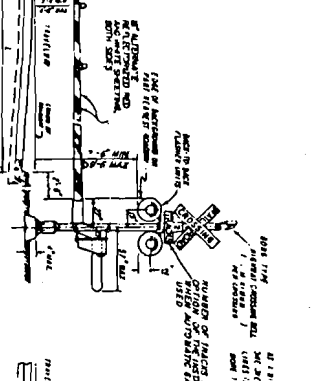
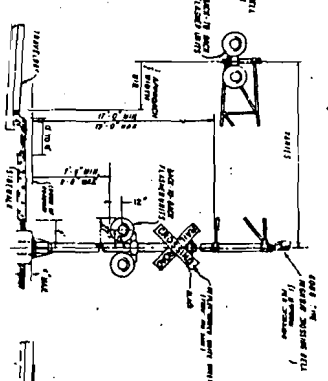
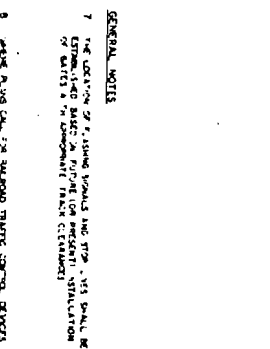
Designed by: *[Signature]*
Checked by: *[Signature]*
Approved by: *[Signature]*

DATE: 4/27/84

SIGNAL PLACEMENT AT RAILROAD CROSSING (2 LANES, CURB & GUTTER)



SIGNAL PLACEMENT AT RAILROAD CROSSING (2 LANES, CURB & GUTTER)



- GENERAL NOTES
- THE LOCATION OF SIGNAL SIGNALS AND STOP SIGNS SHALL BE ESTABLISHED BASED ON PROPOSED (OR PRESENT) INSTALLATION OF SIGNALS IN COMPLIANCE WITH CLEARANCE.
 - ISSUE PLANS AND CALL FOR RAILROAD TRAFFIC CONTROL DEVICES TO BE UTILIZED AND CONFORM TO THE APPROVED DESIGN.
 - LOCATION OF RAILROAD TRAFFIC CONTROL DEVICES SHOULD BE THE DISTANCE AVAILABLE BETWEEN FACE OF CURB & SIDEWALK.
 - IF TO 6' - LOCATE DEVICE OUTSIDE SIDEWALK OVER 6' - LOCATE DEVICE BETWEEN FACE OF CURB AND SIDEWALK.
 - SIGNAL HEADS TO BE RESPONSIBLE TO FACE OF SIGNAL, APPROX 15' FROM VERTICAL RAIL, ON A ROW AND ADJUSTED TO DATE WHEN PRESENT.

TYPE I

TYPE II

TYPE III

TYPE IV

TYPE V

REVISIONS				REVISIONS			
DATE	INITIALS	DESCRIPTION	DATE	INITIALS	DESCRIPTION	DATE	INITIALS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	1-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS	1-1-81	FL
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL

FLORIDA DEPARTMENT OF TRANSPORTATION RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES TITLIE DESIGN					
DATE	INITIALS	REVISIONS	DATE	INITIALS	REVISIONS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	1-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS
10-1-81	VM	ADDED DIMENSIONS OF SIGNAL HEADS	10-1-81	FL	ADDED DIMENSIONS OF SIGNAL HEADS

2 of 4 17882