



Florida Department of Transportation

JEB BUSH
GOVERNOR

1109 South Marion Avenue
M.S. 2018
Lake City, Florida 32025-5874
May 20, 2005

JOSÉ ABREU
SECRETARY

Ms. LaCoya Greggley
Project Engineer
Engineering Department, J350
CSX Transportation, Inc.
4901 Belfort Road, Suite 130
Jacksonville, Florida 32256

Project ID No. 212582-2-57-01
Road Name – [REDACTED]
Nassau County, Parcel 1(SIG-P)
Crossing No. 644210-U, RRMP: SM 15.97

Dear Ms. Greggley:

We are enclosing one (1) fully executed railroad reimbursement agreement dated May 18, 2005, involving your company and covering the installation of flashing lights and gates and the relocation of existing flashing light from the SW quadrant to the NW quadrant at the above referenced project.

The enclosed document has 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.

Should additional information or meeting with Department representatives be needed, please contact my office at (386) 961-7868.

Sincerely,

Donna Whitney
Rail Specialist

VDW

cc: Mike Dross, Tallahassee Rail Office
Lillian G. Porter, District Railroad Coordinator
Carlo Diaz, Railroad Construction Coordinator, Gainesville Construction
Linda Green, District Financial Administrator
Joyce Bradley, Nassau County Clerk's Office

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

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
21258225701	CRAWFORD ROAD	NASSAU	1(SIG-P)	SR-00S2(042J)

THIS AGREEMENT, made and entered into this 18th day of May, 2005,
by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, hereinafter called the
DEPARTMENT, and CSX TRANSPORTATION, INC., a corporation of VIRGINIA,
with its principal place of business in the City of JACKSONVILLE,
County of DUVAL, State of FLORIDA,
hereinafter called the COMPANY; and NASSAU,
a political subdivision of the State of Florida, 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 Financial Project Number 21258225701,
on CRAWFORD ROAD, which crosses at grade the right of way and
tracks of the COMPANY'S Milepost SM 15.97,
FDOT/AAR Crossing Number 644210-U, at or near CALLAHAN,
as shown on DEPARTMENT'S Plan Sheet No. 1, attached hereto as a part hereof; and

WHEREAS, the work contemplated hereunder is subject to the provisions of the Federal Highway
Administration Federal-Aid Policy Guide, 23 C.F.R. Subchapter B, Part 140, Subpart I, as amended, and Federal-Aid
Policy Guide, 23 C.F.R. Subchapter G, Part 646, Subpart B, as amended, and DEPARTMENT'S Rule 14-57.011
Florida Administrative Code, as amended; and

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

A. The COMPANY shall:

1. Install by its own forces, with supervision and approval of the DEPARTMENT, at an estimated cost of
\$ 157,400.00, itemization of which is attached hereto, automatic railroad grade crossing traffic control
devices hereinafter called "Devices", at said location, in accordance with (1) the attached detailed statement of the
work, plans and specifications; (2) the DEPARTMENT'S Plans and Standards Index Number 17882; and (3)
Federal-Aid Policy Guides mentioned above, and Rule 14-57.011, all of which by reference are made a part hereof.

2. Provide protective services in accordance with U.S. Department of Transportation Manual on Uniform Traffic Control Devices during the performance of the work, as indicated in the attached plans and specifications, the cost of which is included in the attached cost estimate.

3. Render the DEPARTMENT a final bill, in accordance with applicable Federal or State regulations, within one hundred eighty (180) days from the completion date of the project, for all actual reimbursable identified charges including credits for salvage or betterments, if any, attributable to the project; and itemize all substantial charges in a form comparable to the charges contained in the cost estimate.

4. Operate and maintain said devices and perform any adjustment, relocation or replacement of said devices; the cost therefor shall be assumed or apportioned in accordance with Paragraph C. below.

B. The DEPARTMENT shall:

1. Promptly reimburse the COMPANY for all actual costs attributable to the project as detailed in this agreement, pursuant to Paragraph A.1., as billed by the COMPANY, pursuant to Paragraph A.3.

2. Payment shall be made only after receipt and approval of goods and services in accordance with Section 215.422(14), Florida Statutes.

C. The PARTIES agree:

1. That fifty percent (50%) of the cost for the operation and maintenance of the devices by the COMPANY shall be borne by the COUNTY and fifty percent (50%) shall be borne by the COMPANY, in accordance with the attached Schedule of Annual Cost of Automatic Highway Grade Crossing Traffic Control Devices, subject to future revision.

2. That the cost of any adjustment, relocation or replacement of said devices shall be assumed by the party initiating such action, unless otherwise provided for in this contract, existing contracts between the parties, or in existing contracts between one of the parties and third party. Unless otherwise agreed upon herein, the COUNTY agrees to insure that at the crossing the advance warning signs and railroad crossing pavement marking 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.

3. The COMPANY covenants and agrees that it will indemnify and hold harmless the DEPARTMENT and all of the DEPARTMENT'S officers, agents, and employees from any claim, loss, damage, cost charge, or expense arising out of any act, action, neglect, omission, or delay by the COMPANY during the performance of the contract, whether direct or indirect, and whether to any person or property to which the DEPARTMENT or said parties may be subject, except that neither the COMPANY nor any of its subcontractors will be liable under this section for damages arising out of injury or damage to persons or property directly caused or resulting from the sole negligence of the DEPARTMENT or any of its officers, agents, or employees.

4. That any provision contained in any existing contract relating to said crossing, whether between the parties hereto and/or third parties, shall be, and does, remain in full force and effect, except at otherwise provided herein.

5. That the cost of maintaining any additional or replacement signal equipment at the same location will be shared as provided under Paragraph C.1. above.

6. In accordance with Section 287.058, Florida Statutes, the following information is provided:

If this Contract involves units of deliverables, then such units must be received and accepted in writing by the Contract Manager prior to payments.

Bills for fees or other compensation for services or expenses shall be submitted in detail sufficient for a proper preaudit and postaudit thereof.

7. Bills for travel expenses specifically authorized in this Agreement shall be submitted and paid in accordance with DEPARTMENT Rule 14-57.011 "Public Railroad-Highway Grade Crossing Costs" and the Federal Highway Administration Federal-Aid Policy Guide Subchapter B, Part 140, Subpart I "Reimbursement for Railroad Work."

8. In accordance with Section 215.422, Florida Statutes, the following information is provided:

Contractors providing goods and services to the Department should be aware of the following time frames. Upon receipt, the Department has five (5) working days to inspect and approve the goods and services, unless the Agreement specifies otherwise. The Department has 20 days to deliver a request for payment (voucher) to the Department of Banking and Finance. The 20 days are measured from the latter of the date the invoice is received or the goods or services are received, inspected and approved.

If a payment is not available within 40 days, a separate interest penalty at a rate as established pursuant to Section 215.422(3)(b), Florida Statutes, will be due and payable, in addition to the invoice amount, to the Contractor. Interest penalties of less than one (1) dollar will not be enforced unless the Contractor requests payment. Invoices which have to be returned to a Contractor because of Contractor preparation errors will result in a delay in the payment. The invoice payment requirements do not start until a properly completed invoice is provided to the Department.

A Vendor Ombudsman has been established within the Department of Banking and Finance. The duties of this individual include acting as an advocate for contractors/vendors who may be experiencing problems in obtaining timely payment(s) from a state agency. The Vendor Ombudsman may be contacted at (850) 410-9724 or by calling the State Comptroller's Hotline, 1-800-848-3792.

9. Records of costs incurred under terms of this Agreement shall be maintained and made available upon request to the Department at all times during the period of this Agreement and for three years after final payment is made. Copies of these documents and records shall be furnished to the Department upon request. Records of costs incurred includes the Contractor's general accounting records and the project records, together with supporting documents and records, of the Contractor and all subcontractors performing work on the project, and all other records of the Contractor and subcontractors considered necessary by the Department for a proper audit of costs.

10. In accordance Section 287.133 (2)(a), Florida Statutes, the following provisions are included in this

Agreement:

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in s.287.017 for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

11. The Department's obligation to pay under this section is contingent upon an annual appropriation by the Florida Legislature, in accordance with Section 287.0582, Florida Statutes.

12. The State of Florida's performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the Legislature. In the event this Agreement is in excess of \$25,000 and has a term for a period of more than one year, the provisions of Section 339.135(6)(a), Florida Statutes, are hereby incorporated:

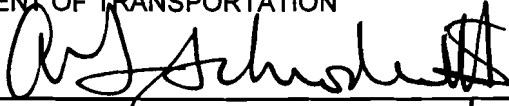
The Department, during any fiscal year, shall not expend money, incur and liability, or enter into any contract which, by its terms involves the expenditure of money in excess of the amounts budgeted as available for expenditure during such fiscal year. Any contract, verbal or written, made in violation of this subsection is null and void, and no money may be paid on such contract. The Department shall require a statement from the Comptroller of the Department that funds are available prior to entering into any such contract or other binding commitment of funds. Nothing herein contained shall prevent the making of contracts for periods exceeding 1 year, but any contract so made shall be executory only for the value of the service to be rendered or agreed to be paid for in succeeding fiscal years; and this paragraph shall be incorporated verbatim in all contracts of the department which are for any amount in excess of 25,000 dollars and which have a term for a period of more than 1 year.

13. It is understood and agreed that this agreement shall not be binding until it has been authorized or ratified by a proper ordinance or resolution of the County Commission of the COUNTY of NASSAU Florida, a certified copy of which ordinance or resolution is attached hereto and made a part hereof.


14. The Department reserves the right to unilaterally cancel this Agreement for refusal by the contractor to allow public access to all documents, papers, letters, or other material subject to the provisions of Chapter 119, Florida Statutes and made or received in conjunction with this Agreement.

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

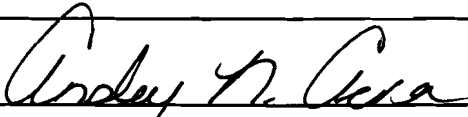
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: 
(TITLE: DISTRICT SECRETARY 5/18/05)

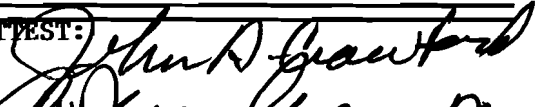
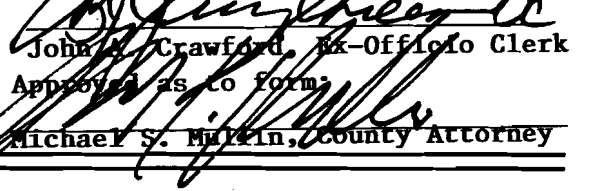
CSX TRANSPORTATION, INC.

BY: 
AS ITS: Richard M. Kadlick
Vice President - Engineering &
Mechanical Standards & Quality

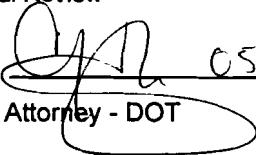
NASSAU COUNTY, FLORIDA

BY: 
(TITLE: CHAIRMAN, BOARD OF COUNTY COMMISSIONERS)
Ansley N. Acree

ATTEST:


John A. Crawford, Ex-Officio Clerk
Approved as to form:

Michael S. Mullin, County Attorney

Legal Review

BY:  05/18/05
Attorney - DOT Date

Approved as to Funds Available

BY: SEE ENC DATED 9/30/2004
Comptroller - DOT Date

Approved as to FHFG Requirements

BY: EXEMPT
FHWA Date

**COUNTY RESOLUTION
GRADE CROSSING TRAFFIC CONTROL DEVICES AND FUTURE RESPONSIBILITY**

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
2125825701	CRAWFORD ROAD	NASSAU	1(SIGP)	SR-00S2(042J)

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 EXPENDITURE OF FUNDS; AND PROVIDING WHEN THIS RESOLUTION SHALL TAKE EFFECT.

RESOLUTION NO. 2004-133

ON MOTION OF Commissioner Marshall,
seconded by Commissioner Samus, 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, on CRAWFORD ROAD, which shall call for the installation and maintenance of railroad grade crossing traffic control devices 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 CSX TRANSPORTATION, INC. Company for the installation and maintenance of certain grade crossing traffic control devices designated as Financial Project Number 2125825701 on CRAWFORD ROAD which crosses the right of way and tracks of the Company at FDOT/AAR Crossing No. 644210-U located near CALLAHAN Florida; and

That the County assume it's 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 Commissioners be authorized to enter into such agreements with the State of Florida Department of Transportation and the CSX TRANSPORTATION, INC. Company as herein described; and

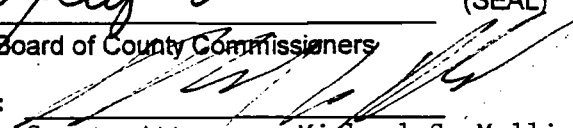
That this RESOLUTION shall take effect immediately upon adoption.

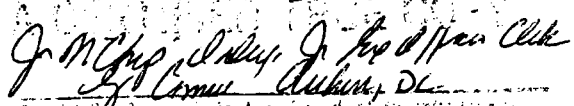
INTRODUCED AND PASSED by the Board of County Commissioners of NASSAU County, Florida, in regular session this 13th day of September, 2004.


Chairman of the Board of County Commissioners

ATTEST: 
Clerk of the Board of County Commissioners

(SEAL)

Approved as to Form: 
County Attorney, Michael S. Mullin


Clerk of the Board of County Commissioners



The job FI913RPR; user I.D.
 FI913RP <MVS@DOT>
 09/30/2004 03:34 PM

To PT227MM@dot.state.fl.us
 cc
 bcc

Subject FUNDS APPROVAL/REVIEWED FOR CONTRACT ANQ77

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
 FUNDS APPROVAL

Contract #ANQ77 Contract Type: AA Method of Procurement: R
 Vendor Name: CSX TRANSPORTATION INC
 Vendor ID: VF621051971008
 Beginning date of this Agmt: 10/08/04
 Ending date of this Agmt: 09/08/09

 Description:
 Install Flashing Lights and Gates & Relocate Existing Flashi
 ng light from SW quadrant to NW quadrant.

 ORG-CODE *EO *OBJECT *AMOUNT *FIN PROJECT *FCT *CFDA
 (FISCAL YEAR) *BUDGET ENTITY *CATEGORY/CAT YEAR
 AMENDMENT ID *SEQ. *USER ASSIGNED ID *ENC LINE(6S)/STATUS

 Action: LOA Funds have been: APPROVED
 55 022020227 *PT *134004 * 157400.00 *21258225701 *127 *
 2005 *55100300 *088808/05
 W001 *00 *CRAWFO *0001/04

 TOTAL AMOUNT: *\$ 157,400.00 *

 FUNDS APPROVED/REVIEWED FOR ROBIN M. NAITOVE, CPA, COMPTROLLER
 DATE: 09/30/2004

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

725-090-41
 RAIL
 OGC - 06/03

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
21258225701	CRAWFORD ROAD	NASSAU	1(SIGP)	SR-00S2(042J)

COMPANY NAME: CSX TRANSPORTATION, INC.

A. FDOT/AAR XING NO.: 644210-U RR MILE POST TIE: SM-15.97

B. TYPE SIGNALS PROPOSED III CLASS III 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	\$1,870.00
II	Flashing Signals - Multiple Tracks	\$2,474.00
III	Flashing Signals and Gates - One Track	\$2,820.00
IV	Flashing Signals and Gates - Multiple Tracks	\$3,540.00

AUTHORITY: FLORIDA ADMINISTRATIVE RULE 14-57.011
 Public Railroad-Highway Grade Crossing Costs

EFFECTIVE DATE: July 22, 1982

GENERAL AUTHORITY: 334.044, F.S.

SPECIFIC LAW IMPLEMENTED: 335.141, F.S.

*This schedule will become effective July 1, 2001 and will be reviewed every 5 years and revised as appropriate based on the Consumer Price Index for all Urban Consumers published by the U.S. Department of Labor.

WORK DESCRIPTION
GRADE CROSSING TRAFFIC CONTROL DEVICES

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
21258225701	CRAWFORD ROAD	NASSAU	1(SIG-P)	SR-00S2(042J)

RAILROAD COMPANY

CSX TRANSPORTATION, INC.

- A. JOB DESCRIPTION & LOCATION: INSTALL FLASHING LIGHTS & GATES ON CRAWFORD RD/NASS
- B. TYPE OF ROADWAY FACILITY: TWO LANE RURAL HIGHWAY
- C. FDOT/AAR XING NO.: 644210-U RR MILE POST TIE: SM 15.97
- D. TYPE CROSSING PROPOSED: III CLASS: III DOT INDEX NO.: 17882
- E. STATUS AND PROPOSAL:

1. EXISTING DEVICES: (See Agreement dated NONE ON RECORD)

- a. None-New Crossing.
- b. Crossbuck and Disk.
- c. Flashing Signals with Disk.
- d. Flashing Signals with Cantilever.
- e. Flashing Signals with Gates.
- f. Flashing Signals with Cantilever and Gates.

2. PROPOSED DEVICES: (Safety Index Rating 3062)

- a. No revision required.
- b. Crossbuck and Disk.
- c. Flashing Signals and Disk.
- d. Flashing Signals with Cantilever.
- e. Flashing Signals with Gates.
- f. Flashing Signals with Cantilever and Gates.
- g. Relocate existing signal devices:
- (1) (With-Without) addition of Gates.
- (2) (With-Without) synchronization with highway traffic signals.
- (3) (With-Without) constant warning time.

F. COMMUNICATION AND/OR POWER LINE ADJUSTMENTS

1. N/A By Others (_____ Company.)
2. By Railroad Company.

G. AUTHORITY REQUESTED:

(Draft attached: Yes No.)

1. Agreement (Third Party Participating NASSAU COUNTY)
2. Supplemental Agreement No. _____
3. Crossing Permit.
4. Estimate for Change Order No. _____
5. Letter of Authority.
6. Letter of Confirmation (No Cost to Department).

H. OTHER REMARKS:

Negotiations to be completed by: _____

Signal installation target date: _____

Synchronization: (Draft attached Yes No.)

GENERIC INSTALLATION ESTIMATE
GRADE CROSSING TRAFFIC CONTROL DEVICES

To: Florida Dept. of Transportation For: Type 3, Class 3 Signals
 DOT Project No.: _____ New Installation Modification
 Location: Crawford County: Nassau State: Florida
 Road Jurisdiction: County Road Name: Crawford Road
 FDOT/AAR Xing No.: 644 2164 RR MP: SM - 13.97

I. Preliminary Engineering: Company Forces Contract \$ 13,000
 II. Construction Supervision: Company Forces Contract \$ 8,600

III. Material: Install 2 FLS+G and relocate FLS in SW quad to NW quad
 Highway Grade Crossing Signal Assembly \$ 17,750
 Control Equipment HXP-3R with CWT. \$ 30,800
 Field Material \$ 20,400
 Material Transportation \$ 1,250
 Material Handling \$ 3,600
 Material Sales Tax \$ 4,800
 Total Material \$ 78,600

IV. Equipment:
 Company Owned \$ 850
 Rental \$ 8,550
 Total Equipment \$ 9,400

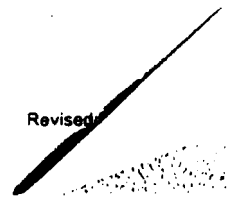
V. Labor:
 Direct Labor \$ 18,500
 Holidays, Vacation, and Pension \$ 7,900
 Payroll Taxes \$ 7,700
 Insurance \$ 2,800
 Meals and Lodging \$ 7,900
 Total Labor \$ 44,800
 Sub-Total \$ 154,400

VI. Miscellaneous Items:
Extra Labor to re-install NW quadrant FLS \$ 3,000
use only front lights in NW quad \$ _____
 _____ \$ _____
 _____ \$ _____

VII. Total Estimated Cost: (616103 By: Paul R. McNeel) \$ 157,400

VIII. Submitted By: CSX Transportation

This generic estimate shall not be used in negotiations or as an exhibit in construction and maintenance agreements which do not provide for billing of actual costs. This estimate is not valid for lump sum projects.



07/23/2004

Florida Department of Transportation
 Federal Authorization Management System
Notice of Approved Authorization
 from Federal Highway Administration
 to Participate in Project Costs Incurred
 After the Effective Date of Authorization Noted Below

Federal Aid Project Number: **00S2 042**

State Project Number: **212097-2 57 01**

This Notice of Approved Authorization is issued with the stipulation that the Florida Department of Transportation agrees to comply with the applicable terms and conditions set forth in (1) Title 23, U.S. Code, Highways, (2) The regulations issued pursuant thereto and (3) the policies and procedures promulgated by the Federal Highway Administration relative to the above designates project. The Florida Department of Transportation also agrees to comply with the applicable provisions set forth in CFR Part 630, Subpart C.

Project Location: **SANDY FORD ROAD NASSAU CO. RR# 620769-N;RAILROAD SIGNAL;CONSTRUCTION**

Character of proposed work: **Safety Rail/Hwy Crossing**

Classification of phase of work to be put under agreement	<u>Effective date</u> <u>of authorization</u>
Highway planning & Research	
Preliminary Engineering	
Right-of-Way	
XConstruction	07/23/2004
Other	

Dist.	Appr.	Urban/ With	Total Cost	Federal Share	Federal Funds Under Agreement	Advance Construction
02	H270		\$379,453.00	100.00%	\$379,453.00	\$00.00
02	Q270		\$286,947.00	100.00%	\$286,947.00	\$00.00

Department of Transportation

Available funds certified by: BARBARA CLOUD	Date: 07/22/2004
Approval recommended by: FORNICHER NIXSON	Date: 07/22/2004
Approved and Authorized by: FRANCES POWELL	Date: 07/22/2004

Federal Highway Administration

Approval Recommended By: RONALD K. GRESSEL	Date: 07/23/2004
Approved and Authorized By: RONALD K. GRESSEL	Date: 07/23/2004
Agreement Approved By: RONALD K. GRESSEL	Date: 07/23/2004

State Remarks:

INITIAL AUTHORIZATION FOR DISTRICT TWO RAIL SAFETY CROSSING PROGRAM FOR FY 2004/2005.

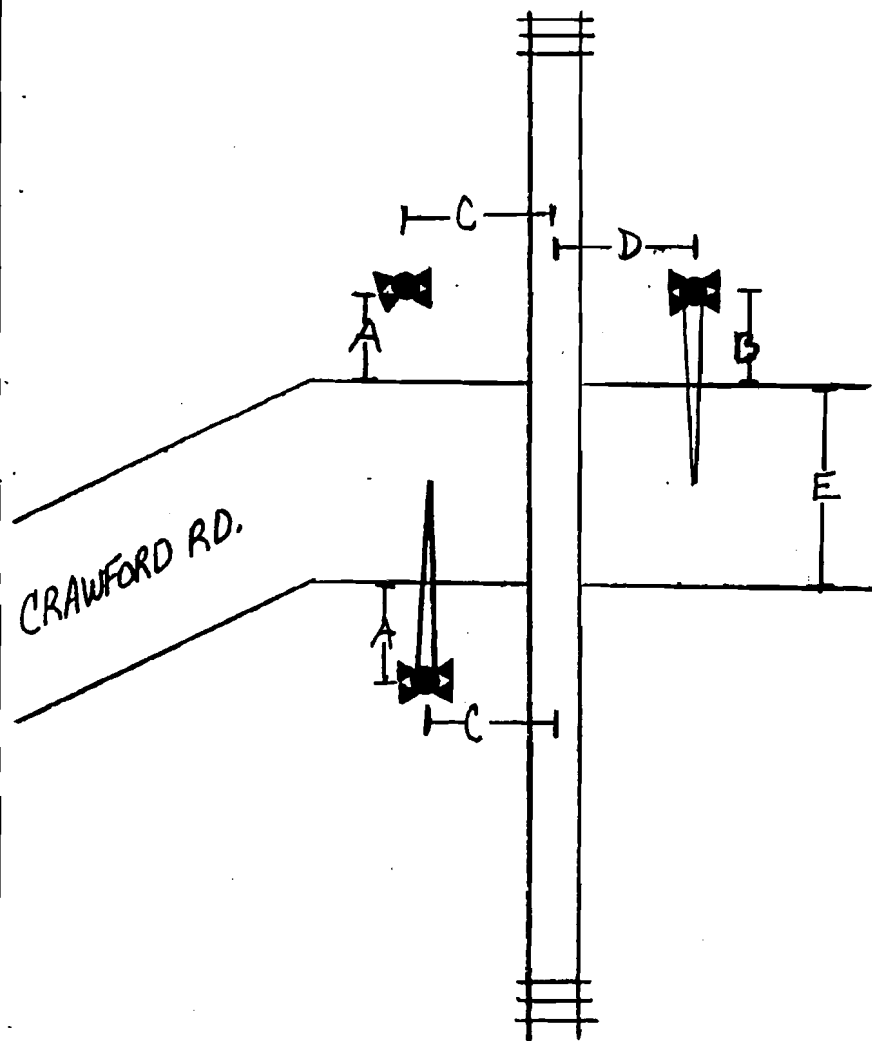
Division Remarks

This Notice of Authorization is not the official FHWA Approved Project Agreement for the project designated above. The official Project Agreement must be printed from FHWA's Fiscal Management Information System (FMIS). The District Federal Aid Coordinator may obtain the Project Agreement at <http://fhwapap05.fhwa.dot.gov/>.

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



- A. 12'3"
- B. 12'3"
- C. 15'
- D. 15'
- E. 20'



EXISTING: FLASHING LIGHTS, ADVANCED WARNING SIGNS AND PAVEMENT SYMBOLS.

RECOMMENDATIONS: CSX TO INSTALL FLASHING LIGHTS AND GATES AND RELOCATE EXISTING FLASHING LIGHT FROM SW QUADRANT TO NW QUADRANT.

NASSAU COUNTY TO INSTALL NEW STOP BARS.

FLORIDA DEPARTMENT OF TRANSPORTATION
RAIL-HIGHWAY GRADE CROSSING IMPROVEMENTS

CROSSING NO.: 644210-U COMPANY: CSX
TYPE: III CLASS: III
LOCATION: CRAWFORD ROAD
DRAWN BY: DONNA WHITNEY DATE: 6/16/2003

NOT TO SCALE

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

PROJECT NO. _____

F.M. NO. _____

CROSSING NO.: 644210U PRIORITY NO.: 3,062 COUNTY: NASSAU CITY: CALLAHAN RDWY: CRAWFORD RD

CLASSIFICATION/LOCATION: DATE LAST UPDATED: 12/04/2002

R. R. CO.: CSX R. R. BRANCH: SM R.R. STATION: CRAWFORD R. R. MILEPOST: 15.97

R. R. CROSSING STATUS: OPEN--TRACK ACTIVE AS OF 03/03/2003

RAIL OPERATIONS: DATE LAST UPDATED: 12/14/2000

TRAIN MOVEMENTS: 45 PER DAY MAXIMUM TRAIN SPEED: 79 EFFECTIVE: 12/14/2000 NO. OF MAIN TRACKS: 1 OTHER TRACKS: 0

WARNING DEVICES: DATE LAST UPDATED:

EXISTING WARNING: FL TYPE OF TRAIN DETECTION: NONE PREEMPTION: ADVANCE WARNING: Y

PHYSICAL DATA: DATE LAST UPDATED: 12/04/2002

R. R. CROSSING ANGLE: 60-90 DEG NO. OF THRU LANES: 2 OTHER LANE 0 HIGHWAY SPEED: 15

CROSSING CONDITION: APPROACH CONDITION: MODERATE MAINTAINING AGENCY: COUNTY

DEPARTMENT DATA: DATE LAST UPDATED: 03/03/2003

TRAFFIC VOL. (ADT): 216 AS OF 2002 SCHOOL BUS COUNT: 8 AS OF 2003 PERCENT TRUCKS: 11

SAFETY DATA: DATE LAST UPDATED: 10/27/2000

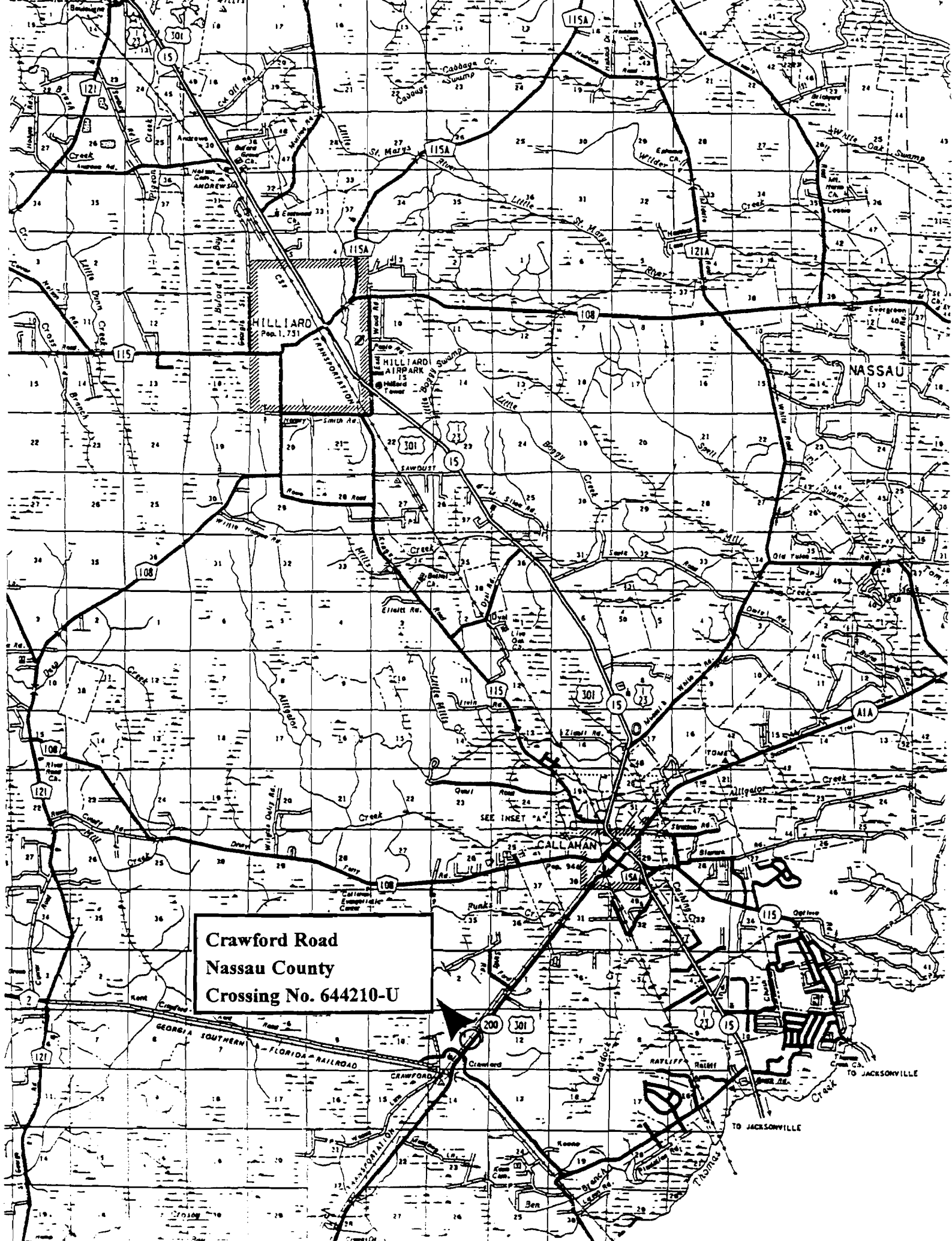
PRED. ACCID./YEAR: SAFETY INDEX: 77.01 RECOMMENDED WARNING DEVICE: FL

DESCRIPTION OF SITE / INSTALLATION CONFLICTS:

REVIEW TEAM RECOMMENDATION: CSX TO INSTALL FLASHING LIGHTS AND GATES AND RELOCATE EXISTING FLASHING LIGHT FROM SW
 QUADRANT TO NW QUADRANT.

DATE REVIEWED 6/16/2003 BY D. WHITNEY

REVIEW TEAM PERSONNEL: LILLIAN PORTER, FDOT; MIKE DROSS, FDOT; RICHARD COFFMAN, FDOT; CHARLES HOUSTON, NASSAU COUNTY;
 LACOYA GREGGLEY, CSX; MEL MCNICHOLS



Crawford Road
Nassau County
Crossing No. 644210-U

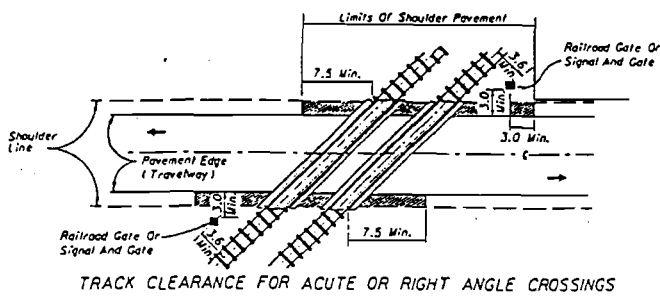
HILLIARD
Pop. 1,751

CALLAHAN
Pop. 944

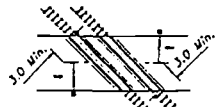
NASSAU

GEORGIA SOUTHERN
FLORIDA RAILROAD

TO JACKSONVILLE
TO JACKSONVILLE



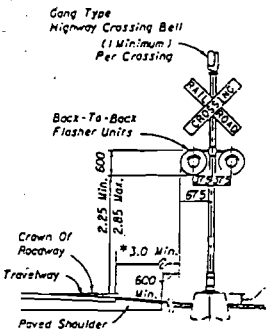
TRACK CLEARANCE FOR ACUTE OR RIGHT ANGLE CROSSINGS



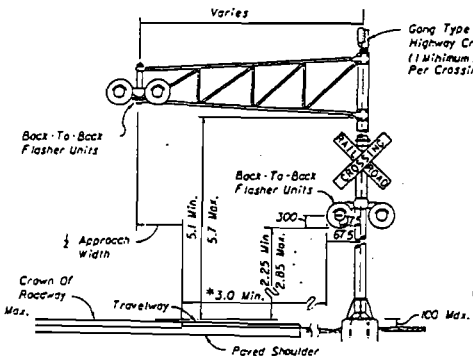
Typical Location Plan For Gate Or Flashing Signal With Gate When Tracks Are At Oblique Angle.

Note: It is intended that the full shoulder width of the existing roadway be paved, where an existing shoulder is substantially substandard for the facility involved, the shoulder width should be upgraded to meet current standards.

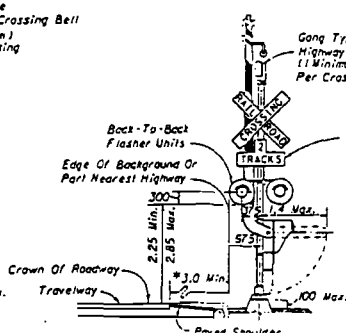
SIGNAL PLACEMENT AT RAILROAD CROSSING (2 - LANE DESIGN)



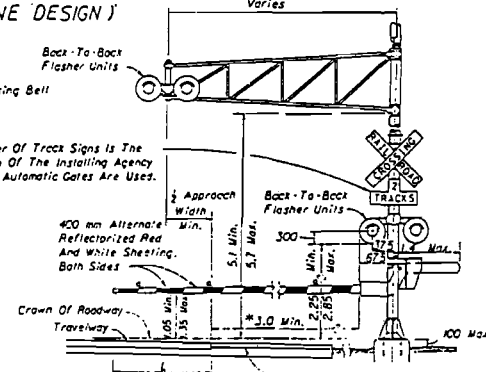
TYPE I



TYPE II



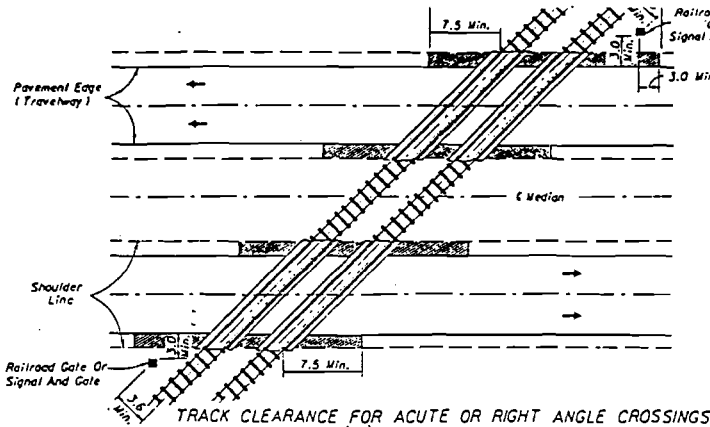
TYPE III



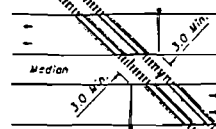
TYPE IV

* Desirable minimum - where field conditions dictate absolute minimum may be as per the Plans Preparation Manual.

Note: Two separate foundations may be required (one for signals, one for gate), depending on type of equipment used.

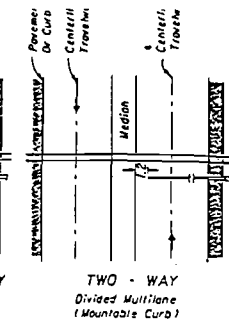
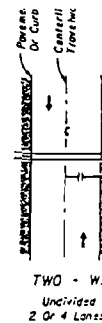
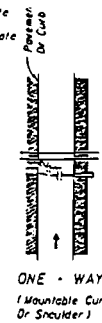


TRACK CLEARANCE FOR ACUTE OR RIGHT ANGLE CROSSINGS



Typical Location Plan For Gate Or Flashing Signal With Gate When Tracks Are At Oblique Angle.

SIGNAL PLACEMENT AT RAILROAD CROSSING (4 - LANE DESIGN)



Note: Arrows denote direction of travel not lane indication

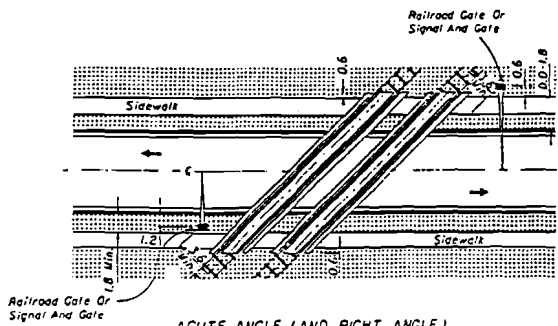
FIGURE 1

Gate Length Requirements See Note 6 Sheet 3

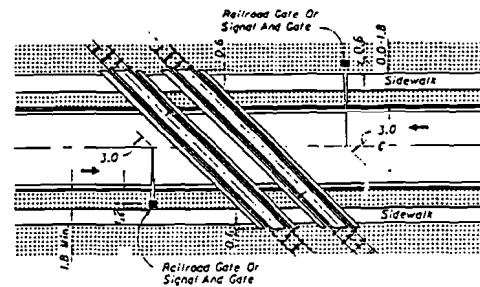
General Notes

- No overrail 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 higher than 100 mm above finished shoulder grade.
- Type of traffic control device
 - Flashing signals
 - Flashing signals with cantilever
 - Flashing signals with gate
 - Flashing signals with cantilever & gate
 - Gate
- Class of traffic control device
 - Flashing signals - one track
 - Flashing signals - multiple tracks
 - Flashing signals and gates - one track
 - Flashing signals and gates - multiple tracks

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION TRAFFIC DESIGN					
RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES					
DESIGNED BY	DATE	SCALE	APPROVED BY	DATE	PROJECT NO.
			<i>Charles J. ...</i>	08-28-76	
DRAWN BY					
CHECKED BY					
F. W. S. APPROVED	98	1 of 4			17882



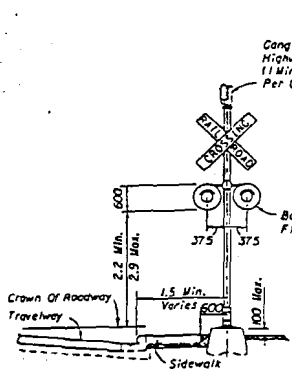
ACUTE ANGLE (AND RIGHT ANGLE)
SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANES, CURB & GUTTER)



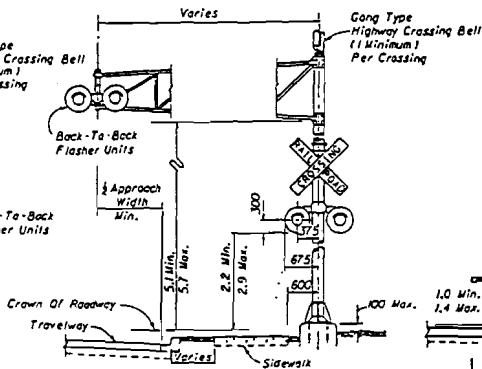
OBTUSE ANGLE
SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANES, CURB & GUTTER)

GENERAL NOTES

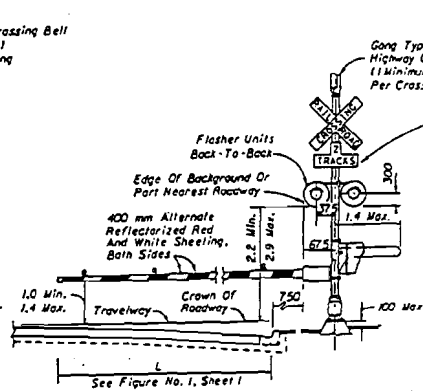
1. The location of flashing signals and stop lines shall be established based on future (or present) installation of gate with appropriate track clearances.
2. Where plans call for railroad traffic control devices to be installed in curved sections, the minimum median width shall be 3.75 m.
3. Location of railroad traffic control device is based on the distance available between face of curb & sidewalk.
0 m to 1.8 m - Locate device outside sidewalk.
Over 1.8 m - Locate device between face of curb and sidewalk.
4. Stop line to be perpendicular to edge of roadway, approx. 4.5 m from nearest rail; or 2.4 m from and parallel to gate when present.



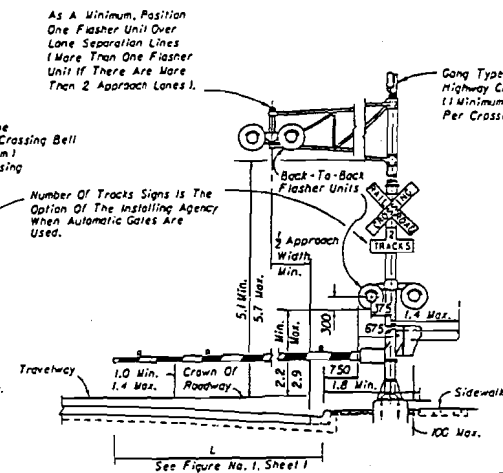
TYPE I



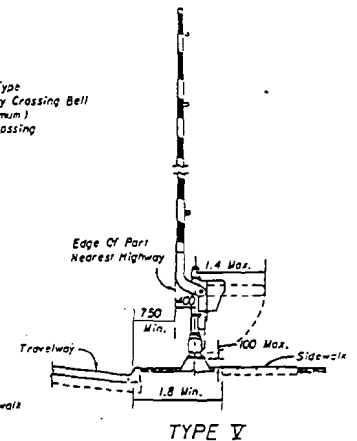
TYPE II



TYPE III



TYPE IV



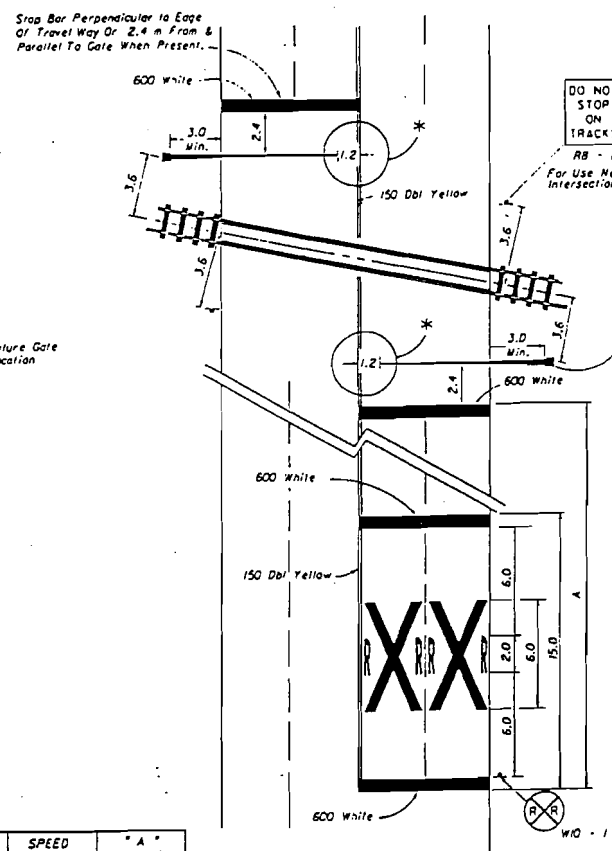
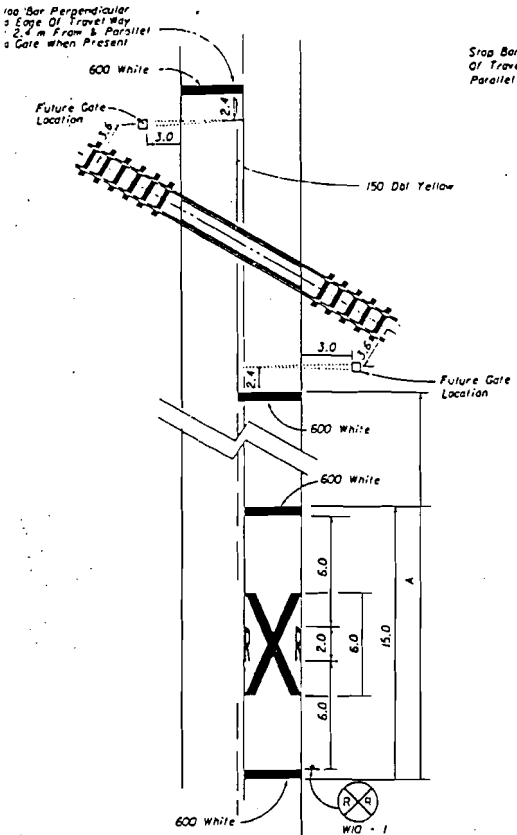
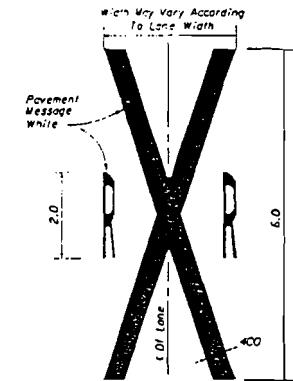
TYPE V

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION TRAFFIC DESIGN					
RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES					
DESIGNED BY	DATE	SCALE	APPROVED BY	DATE	SCALE
DR/DF/TE			<i>Charles J. ...</i>		
CHECKED BY	DATE	SCALE	STATE TRAFFIC ENGINEER		
DR/DF/TE					
F.H.W.S. APPROVED	50	2 of 4	17882		

**RAILROAD CROSSING AT
TWO (2) - LANE ROADWAY**

**RAILROAD CROSSING AT
MULTI-LANE ROADWAY**

**RELATIVE LOCATION OF CROSSING TRAFFIC
CONTROL DEVICES**



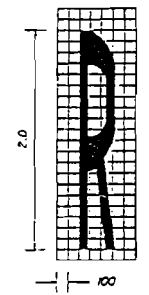
NOTES:

1. When computing pavement message quantities do not include transverse lines.
2. Placement of sign W10-1 in a residential or business district, where low speeds are prevalent, the W10-1 sign may be placed a minimum distance of 30.0 m from the crossing, where street intersections occur between the R/R pavement message and the tracks an additional W10-1 sign and additional pavement message should be used.
3. Recommended location for sign FTP-38, 30.0 m Urban & 50.09 m Rural in advance of the crossing.
4. A portion of the pavement markings symbol should be directly opposite the W10-1 sign.
5. Recommended location for FTP-38 A or B signs, 30.0 m urban and 50.0 m rural. See index 17355 for sign details.

*** 6. Gate Length Requirements**

For two-way undivided sections:
The gate should extend to within 300 mm of the center line. On multilane approaches the maximum gate length may not reach to within 300 mm of the center line. For those cases, the distance from the gate to the center line shall be a maximum of 1.2 m.

For one-way or divided sections:
The gate shall be of sufficient length such that the distance from the gate tip to the inside edge of pavement is a maximum of 1.2 m.

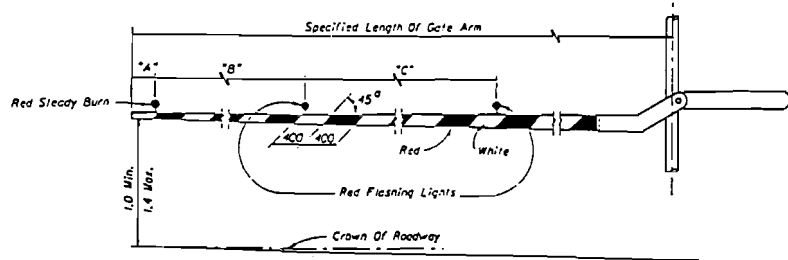


SPEED MPH	SPEED km/h	"A" IN m
60	100	185.0
55	90	135.0
50	80	112.5
45	70	90.0
40	60	67.5
35	60	45.0
30	50	30.0
URBAN		15.0 MIN.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN

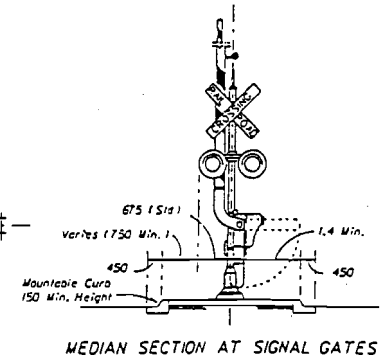
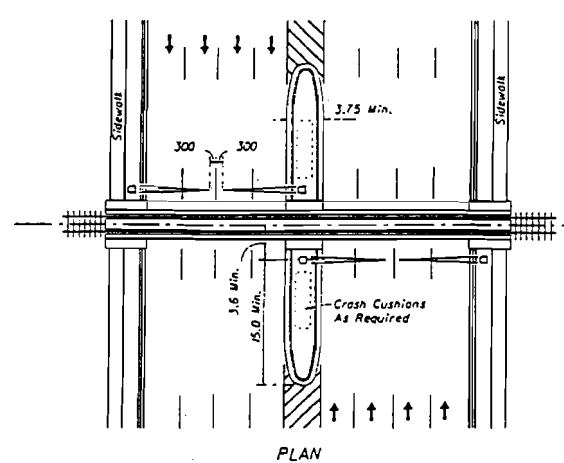
**RAILROAD GRADE CROSSING
TRAFFIC CONTROL DEVICES**

DESIGNED BY	DATE	APPROVED BY
DRAWN BY	8/26/77	<i>Chas. B. Lent</i>
CHECKED BY		STATE TRAFFIC ENGINEER
F.W.S.A. APPROVED	94	SHEET NO. 3 of 4
		17882



RAILROAD GATE ARM LIGHT SPACING

Specified Length Of Gate Arm	Dimension "A"	Dimension "B"	Dimension "C"
4.2	150	900	1.5
4.5	45C	900	1.5
4.8-5.39	600	900	1.5
5.4-5.99	700	1025	1.5
6.0-7.19	700	1.2	1.5
7.2-8.69	700	1.5	1.5
8.7-9.59	900	1.8	1.8
9.6-10.49	900	2.1	2.1
10.5-11.39	900	2.7	2.7
11.4 And Over	900	3.0	3.0



MEDIAN SECTION AT SIGNAL GATES

NOTE 1

For additional information see the "Manual On Uniform Traffic Control Devices", Part VIII; The "Traffic Control Devices Handbook", Part VIII; and AASHTO "A Policy On Geometric Design Of Streets And Highways".

MEDIAN SIGNAL GATES FOR
MULTI LANE UNDIVIDED URBAN SECTIONS
(THREE OR MORE DRIVING LANES IN ONE DIRECTION, 45 mph (70 km/h) OR LESS)

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION TRAFFIC DESIGN			
RAILROAD GATE CROSSING TRAFFIC CONTROL DEVICES			
Designed By	Checked By	Approved By	Scale
E/S/J/ES	E/S/J/ES	<i>Charles J. [Signature]</i>	
Drawn By	Reviewed By	Project No.	Sheet No.
E/S/J/ES			
F.H.A. Approved		96	4 of 4 17882