

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

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
41661215701	SOUTH DENNING DRI	ORANGE	1. (SIG-G)	SR 00S5 007J

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. 1940-06

ON MOTION OF Commissioner (Councilman) Commissioner Douglas Storer,  
seconded by Commissioner (Councilman) Commissioner Douglas Metcalf, 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 SOUTH DENNING DRIVE, 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 CITY COMMISSION OF THE CITY OF WINTER PARK, FLORIDA;

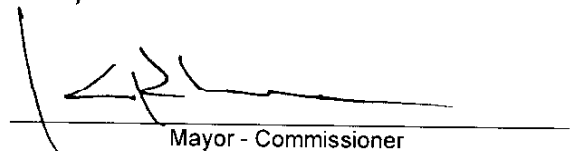
That the City of WINTER PARK enter into a RAILROAD REIMBURSEMENT AGREEMENT with the State of Florida Department of Transportation and the CSX TRANSPORTATION, INC. Company for the installation and maintenance of certain grade crossing traffic control devices designated as Financial Number 416612-1-57-01 on SOUTH DENNING DRIVE which crosses the right of way and tracks of the Company at FDOT/AAR Crossing No. 622168-L located near WINTER PARK Florida; and

That the City 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 Mayor and City Clerk be authorized to enter into such agreements iwth the State of Florida Department 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 City Commission of the City of WINTER PARK County, Florida, in regular session this 4th day of January, 2006.

  
\_\_\_\_\_  
Mayor - Commissioner

ATTEST:  (SEAL)  
City Auditor and Clerk

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

725-090-41  
 RAIL  
 OGC - 09/03

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
41661215701	S. DENNING DR.	ORANGE	1. (SIG-G)	SR 00S5 007J

COMPANY NAME: CSX TRANSPORTATION, INC.

A. FDOT/AAR XING NO.: 622168-L RR MILE POST TIE: A 786.54

B. TYPE SIGNALS PROPOSED III CLASS IV 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.

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

PROJECT NO. 416612

CROSSING NO.: 622168L

PRIORITY NO.: 1519

COUNTY: ORANGE

CITY: WINTER PARK

RDWY: DENNING DR S

SP

CLASSIFICATION/LOCATION: DATE LAST UPDATED: 01/13/2003

R. R. CO.: CSX R. R. BRANCH: A 301

STATION: WINTER PARK

R. R. MILEPOST: 786.56

R. R. CROSSING STATUS: OPEN-TRACK ACT AS OF 03/28/2003

LATITUDE: 28.59

LONGITUDE: 81.36

RAIL OPERATIONS: DATE LAST UPDATED: 04/24/1999

TRAIN MOVEMENTS: 16 MAXIMUM TRAIN SPEED: 25

EFFECTIVE: 04/24/1999

NO. OF MAIN TRACKS: 2

OTHER TRACKS: 0

WARNING DEVICES: DATE LAST UPDATED:

EXISTING WARNING: FLAG TYPE OF TRAIN DETECTION: NONE

PREEMPTION:

ADVANCE WARNING: Y

PHYSICAL DATA: DATE LAST UPDATED: 01/13/2003

R. R. CROSSING ANGLE: 60-90 DEG

NO. OF THRU LANES: 2

OTHER LANES: 0

HIGHWAY SPEED: 30

CROSSING CONDITION:

APPROACH CONDITION: MINOR

MAINTAINING AGENCY: CITY

DEPARTMENT DATA: DATE LAST UPDATED: 03/28/2003

TRAFFIC VOL. (ADT): 3,298 AS OF 2003

SCHOOL BUS COUNT: 7

AS OF 2003

PERCENT TRUCKS: 13.00

SAFETY DATA: DATE LAST UPDATED: 11/07/2003

PRED. ACCID./YEAR: SAFETY INDEX: 66.85

SAFETY INDEX UPDATE: 11/07/2003

RECOMMENDED WARNING DEVICE: FL & G

DESCRIPTION OF SITE / INSTALLATION CONFLICTS: 4 one way units - both signals are antiquated case iron that will be unable to re to sit lens. 1966 signals utility conflict

REVIEW TEAM RECOMMENDATION: FL's both approaches and release 4'9" from roadway - new fanned drains will be constructed according to Department Standards

DATE REVIEWED 12-9-03 BY

REVIEW TEAM PERSONNEL:

75,000  
16,000  
38,000

GENERIC INSTALLATION ESTIMATE  
GRADE CROSSING TRAFFIC CONTROL DEVICES

To: Florida Dept. of Transportation For: Type 3, Class 4 Signals  
 DOT Project No.: \_\_\_\_\_ New Installation  Modification   
 Location: Winter Park County: Orange State: Florida  
 Road Jurisdiction: City Road Name: S. Denning Dr.  
 FDOT/AAR Xing No.: 622168L RR MP: A - 786.56

I. Preliminary Engineering: Company Forces  Contract  \$ 14,300  
 II. Construction Supervision: Company Forces  Contract  \$ 9,900

III. Material:  
 Highway Grade Crossing Signal Assembly ..... \$ 17,750  
 Control Equipment ..... \$ 38,250  
 Field Material ..... \$ 23,360  
 Material Transportation ..... \$ 1,240  
 Material Handling ..... \$ 4,100  
 Material Sales Tax ..... \$ 5,600  
 Total Material ..... \$ 90,300

IV. Equipment:  
 Company Owned ..... \$ 940  
 Rental ..... \$ 11,560  
 Total Equipment ..... \$ 12,500

V. Labor:  
 Direct Labor ..... \$ 24,000  
 Holidays, Vacation, and Pension ..... \$ 10,200  
 Payroll Taxes ..... \$ 10,000  
 Insurance ..... \$ 3,600  
 Meals and Lodging ..... \$ 10,200  
 Total Labor ..... \$ 58,000

Sub-Total ..... \$ 185,000

VI. Miscellaneous Items:  
Install new gate mechs. and ..... \$ 35,000  
new foundations. Reuse existing ..... \$ \_\_\_\_\_  
signal cabinet. ..... \$ \_\_\_\_\_

VII. Total Estimated Cost: (12/9/03 By: L. Peggley) ..... \$ 35,000

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.



The job FI989HLR; user I.D.  
 FI989HL <MVS@DOT>  
 04/06/2005 04:02 PM

To TO562GJ@dot.state.fl.us  
 cc  
 bcc  
 Subject FUNDS APPROVAL/REVIEWED FOR CONTRACT ANZ46

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
 FUNDS APPROVAL

Contract #ANZ46 Contract Type: AA Method of Procurement: R  
 Vendor Name: CSX TRANSPORTATION  
 Vendor ID: VF546000720021  
 Beginning date of this Agmt: 04/06/05  
 Ending date of this Agmt: 04/30/08

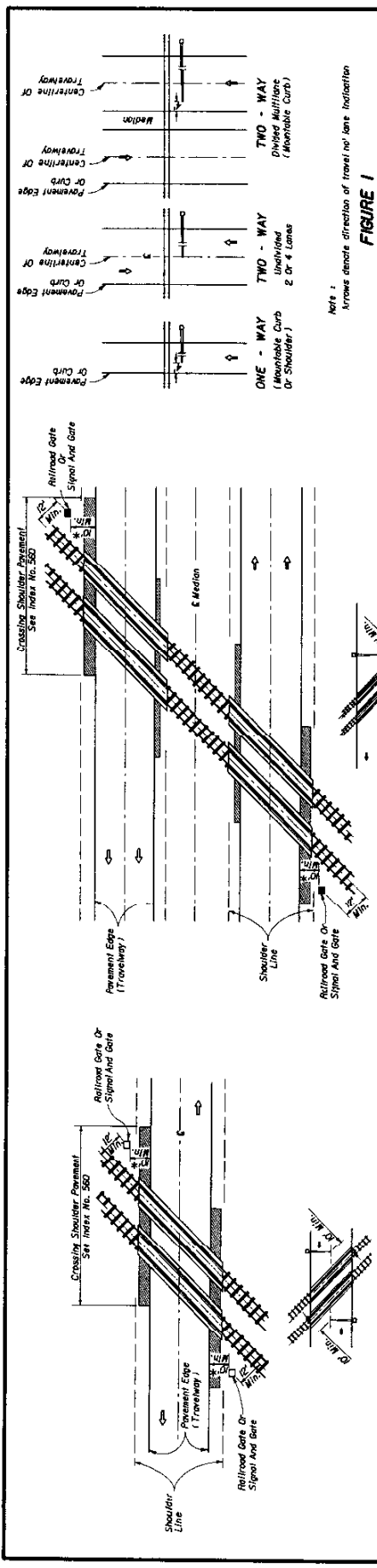
\*\*\*\*\*  
 Description:  
 FM#416612-1-57-01 / DENNING DR. S. / NEW GATES AND FOUNDATIO  
 NS / ~~240K~~

\*\*\*\*\*  
 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 052000531 \*PT \*563014 \* 35000.00 \*41661215701 \*127 \*  
 2005 \*55100300 \*088808/05  
 W001 \*00 \* CO-1 \*0001/04

-----  
 TOTAL AMOUNT: \*\$ 35,000.00 \*  
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FUNDS APPROVED/REVIEWED FOR ROBIN M. NAITOVE, CPA, COMPTROLLER  
 DATE: 04/06/2005

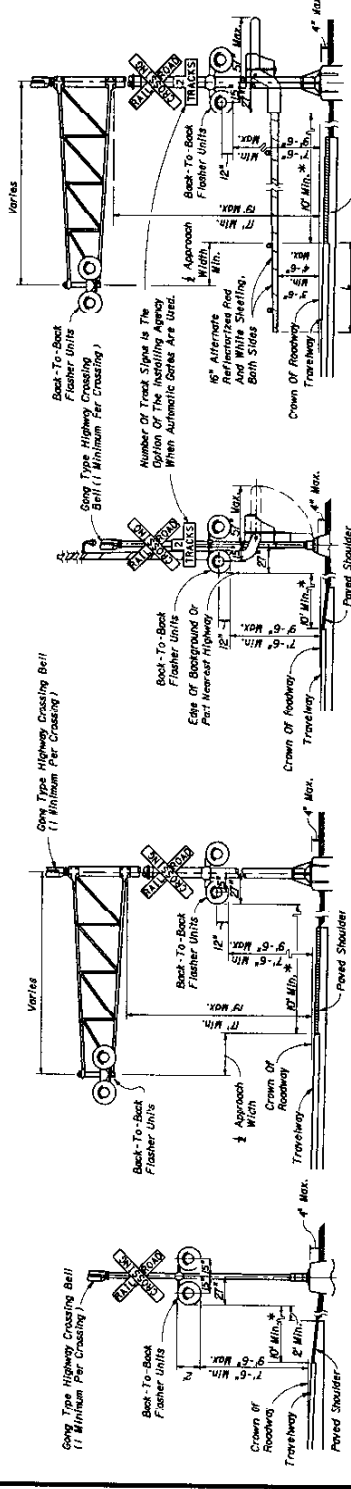


**FIGURE 1**  
Gate Length Requirements  
See Note 6 Sheet 3

**SIGNAL PLACEMENT AT RAILROAD CROSSING**  
(2 - LANE DESIGN)

**SIGNAL PLACEMENT AT RAILROAD CROSSING**  
(4 - LANE DESIGN)

- General Notes**
- No guarantee is proposed for signals; however, some form of impact attenuation device may be specified for certain locations.
  - Flashing signals with anti-litterer and gate are called for in plans or specifications.
  - Top of foundation shall be no higher than 4" above finished shoulder grade.
  - Type of traffic control device
    - Flashing signals
    - Flashing signals with anti-litterer
    - Flashing signals with anti-litterer & gate
    - Gate
  - Clear of traffic control devices
    - Flashing signals - one track
    - Flashing signals and multiple track
    - Flashing signals and gates - multiple tracks



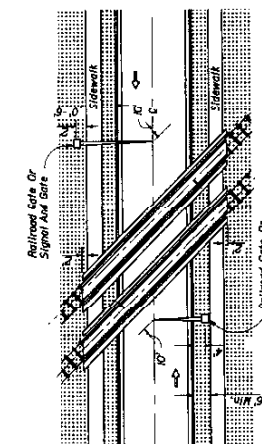
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

**RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES**

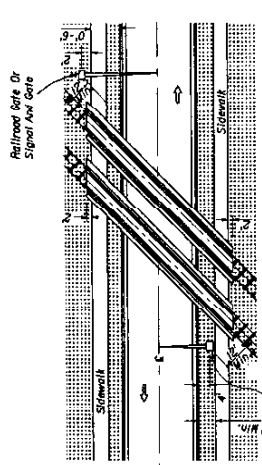
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Checked by	4-78	Checked by
Drawn by		Drawn by
Quantity	1-75	Quantity
		Sheet No.
		of 4
		17882

Note 1: Two separate foundations may be required (one for signals, one for gate), depending on type of equipment used.

\* When it is deemed impractical the control device can be located as close as 2' from the edge of a paved shoulder but not less than 6' from the edge of the near traffic lane.



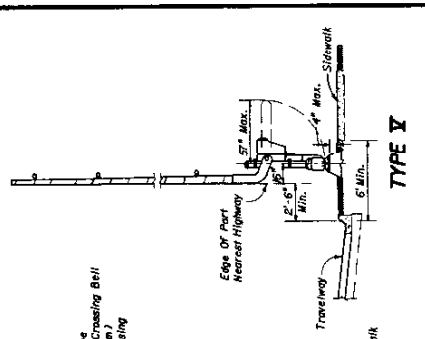
**OBTUSE ANGLE**  
**SIGNAL PLACEMENT AT RAILROAD CROSSING**  
**(2 LANES, CURB & GUTTER)**



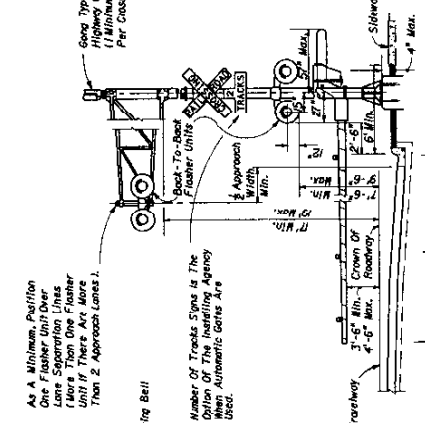
**ACUTE ANGLE (AND RIGHT ANGLE)**  
**SIGNAL PLACEMENT AT RAILROAD CROSSING**  
**(2 LANES, CURB & GUTTER)**

**GENERAL NOTES**

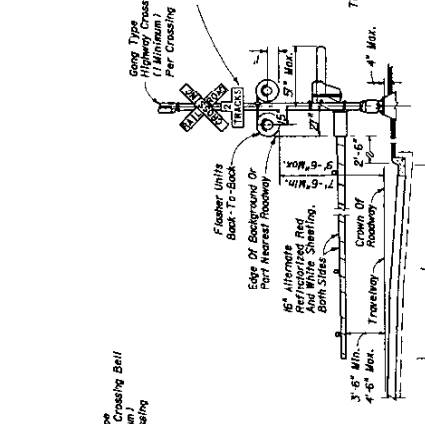
1. The location of flashing signals and stop lines shall be established based on future (or present) installation of gate with appropriate track clearances.
2. Where plans call for railroad traffic control devices to be installed in curved medians, the minimum median width shall be 12'-6".
3. Location of railroad traffic control device is based on the distance available between face of curb & sidewalk, 0 to 6' - Locate device outside sidewalk, Over 6' - Locate device between face of curb and sidewalk.
4. Stop line to be perpendicular to edge of roadway, approx. 15' from center of front of B Train and parallel to gate when present.



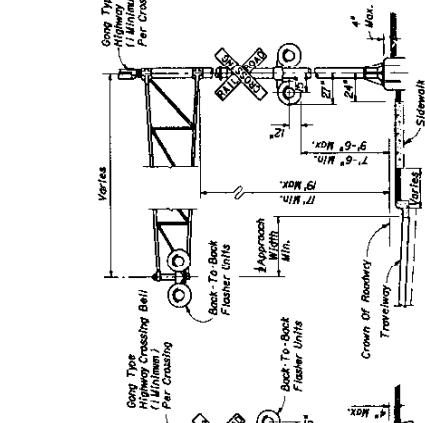
**TYPE I**



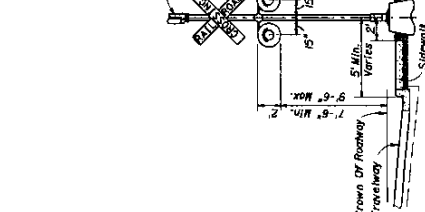
**TYPE II**



**TYPE III**



**TYPE IV**



**TYPE V**

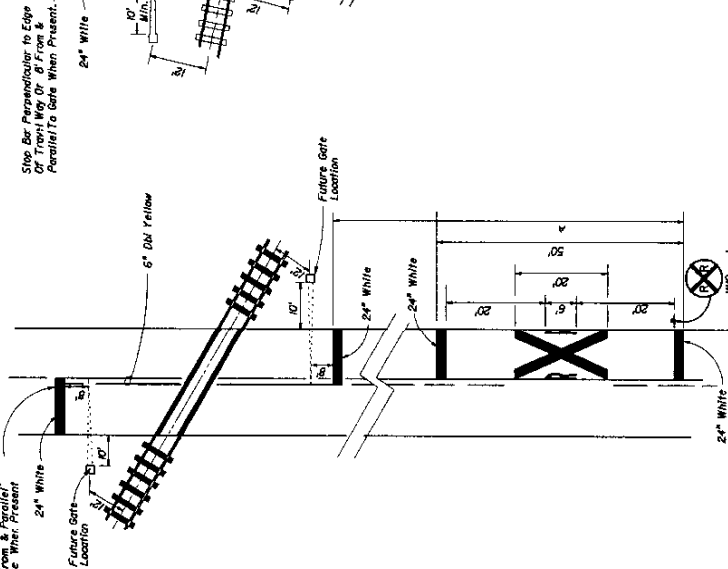
STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

**RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES**

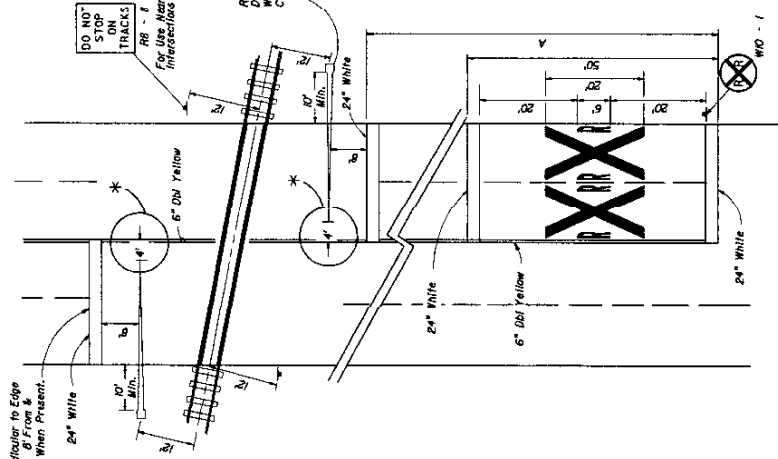
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Approved By:	DATE:	2 OF 4	17882

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

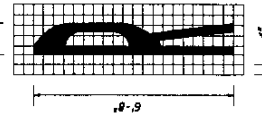
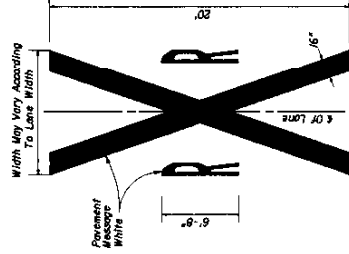
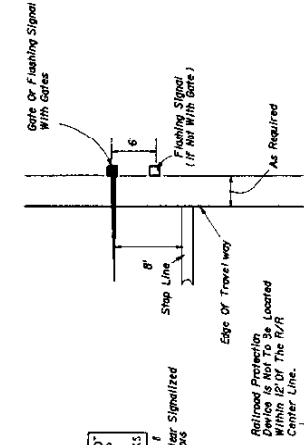
Stop Bar Perpendicular To Edge Of Travel Way Or, If From & Parallel To Gate When Present



**RAILROAD CROSSING AT  
MULTI-LANE ROADWAY**



**RELATIVE LOCATION OF CROSSING TRAFFIC  
CONTROL DEVICES**



**NOTES:**

1. When computing pavement message quantities do not include traverse 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 100' 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. A portion of the pavement markings symbol should be directly opposite the W10-1 sign.
4. Recommended location for FTP-61-04 or FTP-62-04 signs, 100' urban and 300' rural. See index W385 for sign details.
5. Gate Length Requirements  
For two-way undivided sections:  
The gate should extend to within 1' of the center line. On multilane approaches the maximum gate length may not exceed 4' within 1' of the center line. For these cases, the distance from the gate to the center line shall be a maximum of 4'.  
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 4'.

SPEED LIMIT	W 10-1 MIN. FT.
80	350
55	450
50	375
45	300
40	225
35	150
30	100
URBAN	50' MIN.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

**RAILROAD GRADE CROSSING  
TRAFFIC CONTROL DEVICES**

Approved By: *[Signature]* DATE: 10-17-77  
 Drawn By: *[Signature]* DATE: 10-17-77  
 Checked By: *[Signature]* DATE: 10-17-77

Sheet No. 04 of 4

Project No. 17882



