OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

Memorandum

MIAMI-DADE COUNTY

Date: April 2, 2013

Agenda Item No. 8(L)(3)

To: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

From: Carlos A. Gimenez
Mayor

Subject: Resolution Authorizing the Execution of a Tri-Party Agreement Among Miami-Dade County, The State of Florida Department of Transportation and Florida East Coast Railway, LLC for the Installation of Crossing Protective Devices at NE Miami Court in the vicinity of NE 72 Street

Resolution No. R-237-13

Recommendation
It is recommended that the Board of County Commissioners (BCC) approve the attached Resolution authorizing the execution of a Tri-Party Agreement by and among Miami-Dade County (County), the State of Florida Department of Transportation (FDOT), and Florida East Coast Railway, LLC (FEC) for the installation and maintenance of railroad crossing protective devices at NE Miami Court in the vicinity of NE 72 Street.

Scope
This Agreement is for one (1) railroad crossing, located within Commission District 3.

Fiscal Impact/Funding Source
The fiscal impact to the County is the annual maintenance fee for the crossing protective devices in the amount of $2,136 and will be funded through the Secondary Gas Tax (index code CPE03SEC).

Track Record/Monitor
The implementing agency is the Miami-Dade County Public Works and Waste Management Department (PWWM) and the Project Manager responsible for monitoring this project is Mr. Octavio Marin, P.E.

Background
The yearly safety diagnostic review coordinated by FDOT revealed the need for installation of crossing protective devices at the subject railroad crossing. FEC will install all the necessary facilities and the installation costs will be paid by FDOT. For the annual maintenance cost, the County is responsible for 50 percent ($2,136) and FEC is responsible for the balance as stipulated in the cost sharing policy. The cost sharing policy was approved by the BCC on October 5, 1976 under Resolution R-1090-76, and has been implemented by the County as follows: "County may participate in the cost of maintaining grade crossing protection devices in the amount of fifty percent (50%) of the cost".

Alina T. Hudak
Deputy Mayor

MEMORANDUM
(Revised)

TO: Honorable Chairwoman Rebeca Sosa
and Members, Board of County Commissioners

DATE: April 2, 2013

FROM: R. A. Cuevas, Jr.
County Attorney

SUBJECT: Agenda Item No. 8(L)(3)

Please note any items checked.

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Ordinance creating a new board requires detailed County Mayor's report for public hearing**

_____ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's ____, 3/5's ____, unanimous _____) to approve**

✓ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(L)(3)
4-2-13

RESOLUTION NO. R-237-13

RESOLUTION AUTHORIZING THE EXECUTION OF A TRI-PARTY AGREEMENT AMONG MIAMI-DADE COUNTY, THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION AND FLORIDA EAST COAST RAILWAY, LLC FOR THE INSTALLATION OF CROSSING PROTECTIVE DEVICES AT NE MIAMI COURT IN THE VICINITY OF NE 72 STREET

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board approves a Tri-party Agreement among Miami-Dade County, the State of Florida Department of Transportation and Florida East Coast Railway Co., LLC for the installation of railroad crossing protective devices at NE Miami Court in the vicinity of NE 72 Street; and authorizes the Mayor or the Mayor's designee to execute same on behalf of Miami-Dade County and to exercise all provisions contained therein.

The foregoing resolution was offered by Commissioner **José "Pepe" Diaz**, who moved its adoption. The motion was seconded by Commissioner **Sally A. Heyman** and upon being put to a vote, the vote was as follows:

Rebeca Sosa, Chairwoman			**aye**
Lynda Bell, Vice Chair			**aye**
Bruno A. Barreiro	**absent**	Esteban L. Bovo, Jr.	**aye**
Jose "Pepe" Diaz	**aye**	Audrey M. Edmonson	**aye**
Sally A. Heyman	**aye**	Barbara J. Jordan	**aye**
Jean Monestime	**aye**	Dennis C. Moss	**aye**
Sen. Javier D. Souto	**aye**	Xavier L. Suarez	**aye**
Juan C. Zapata	**aye**		

The Chairperson thereupon declared the resolution duly passed and adopted this 2nd day of April, 2013. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: ***Christopher Agrippa***
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Hugo Benitez

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

725-080-27
RAIL
OGC - 04/12

RAILROAD REIMBURSEMENT AGREEMENT
GRADE CROSSING TRAFFIC CONTROL DEVICES - COUNTY

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
43346815701	NE MIAMI COURT	MIAMI-DADE	1(SIG-B)	N/A

THIS AGREEMENT, made and entered into this _____ day of _____, _____, by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, hereinafter called the DEPARTMENT, and Florida East Coast Railway Company, a corporation organized and existing under the laws of Florida, with its principal place of business in the City of Jacksonville, County of Duval, State of Florida, hereinafter called the COMPANY; and Miami-Dade, 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 Financial Project ID 43346815701, on NE MIAMI COURT, which crosses at grade the right of way and tracks of the COMPANY'S Milepost 361 + 3362', FDOT/AAR Crossing Number 272707E, at or near NE 72nd Street, as shown on DEPARTMENT'S Plan Sheet No. N/A, 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 III Class IV and/or other traffic control devices at said location on an actual cost basis and in accordance with (1) the attached detailed statement of the work, plans, and specifications; and (2) the DEPARTMENT'S Plans and Standard Index Number 17882 attached hereto and 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 and subject to future revision.

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. It is further agreed that the cost of maintaining any additional or replacement signal equipment at the same location will be shared as provided under Paragraph 2. above.

4. Unless otherwise agreed upon herein, the COUNTY agrees to ensure that at the crossing the advance warning signs and railroad crossing pavement markings will conform to the U.S. Department of Transportation Manual on Uniform Traffic Control Devices 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:

☐ (a) DEPARTMENT Procedure No. 725-080-002 Appendix D.4, and Rule 14.57.011 "Public Railroad-Highway Grade Crossing Costs", Florida Administrative Code.

☒ (b) Federal Highway Administration Federal-Aid Policy Guide, 23 C.F.R. Subchapter G, Part 646, Subpart B, and 23 C.F.R., Subchapter B, Part 140, Subpart I,

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 Procedure No. 725-080-002 Appendix D-4 "Billing Requirements," 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 itemized estimate of the cost thereof in the amount of $ 286,170.00 . 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 proposed adjustment exceeds $100,000.)

10. The installation and/or adjustment of the COMPANY'S facility as planned ☐ will ☒ 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 _____ . 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.

☐ (c) $ 0.00 _____ credited for ☐ betterment ☐ expired service life ☐ nonreimbursable segments in accord with Article 9.(c) hereinabove.

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.

14. Payment shall be made only after receipt and approval of goods and services unless advance payments are authorized by the DEPARTMENT's Comptroller under Section 334.044(29), F.S., or by the Department of Financial Services under Section 215.422(14), Florida Statutes (F.S.).

15. In accordance with Section 287.058, Florida Statutes, the following provisions are in this Agreement: 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.

16. 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."

17. In accordance with Section 215.422, Florida Statutes, the following provisions are in this Agreement: 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 Financial Services. 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 Financial Services. 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) 413-5516 or by calling the Division of Consumer Services at 1-877-693-5236.

18. 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 five 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.

19. In the event this contract is for services in excess of TWENTY FIVE THOUSAND DOLLARS ($25,000.00) and 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 any 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 such 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 one year, but any contract so made shall be executory only for the value of the services 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 an amount in excess of TWENTY FIVE THOUSAND DOLLARS ($25,000.00) and which have a term for a period of more than one year.

20. In accordance with 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, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies 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 following the date of being placed on the convicted vendor list.

21. In accordance with Section 287.134(2)(a), Florida Statutes, the following provisions are included in this Agreement:

An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies 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.

22. In accordance with Section 287.0582, Florida Statutes, the following provision is included in this Agreement:

The Department's obligation to pay under this contract is contingent upon an annual appropriation by the Florida Legislature.

~~23. 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 sub-contractors 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.~~

24. COMPANY shall:

1. utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the COMPANY during the term of the contract; and

2. expressly require any subcontractors performing work or providing services pursuant to the state contract to likewise utilize the U.S. Department of Homeland Security's E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term.

25. It is understood and agreed by the parties to this Agreement that if any part, term, or provision of this Agreement is held illegal by the courts or in conflict with any law of the State of Florida, the validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term, or provision held to be invalid.

26. Any questions or matters arising under this Agreement as to validity, construction, enforcement, performance, or otherwise, shall be determined in accordance with the laws of the State of Florida. Venue for any action arising out of or in any way related to this Agreement shall lie exclusively in a state court of appropriate jurisdiction in Leon County, Florida.

27. The parties agree to bear their own attorney's fees and costs with respect to this Agreement.

28. The parties agree that this Agreement is binding on the parties, their heirs-at-law, and their assigns and successors in interest as evidenced by their signatures and lawful executions below.

29. A modification or waiver of any of the provisions of this Agreement shall be effective only if made in writing and executed with the same formality as this Agreement.

30. Paragraph 23 of this agreement was stricken in its entirety prior to execution by all parties at the request of Florida East Coast Railway, L.L.C.

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: Director of Transportation Development)

COMPANY: Florida East Coast Railway

BY: _____
A. G. Fowler, Jr. - Asst. Chief Engineer - Signals & Communications

Miami-Dade COUNTY , FLORIDA

BY: _____
(TITLE: _____)

Legal Review	Approved as to Funds Available	Approved as to FAPG Requirements
BY: _____	BY: _____	BY: _____
Attorney - DOT Date	Comptroller - DOT Date	FHWA Date

Florida East Coast
RAILWAY, L.L.C.

OFFICE OF THE ASSISTANT CHIEF ENGINEER
OF SIGNALS AND COMMUNICATIONS

2013 Diagnostics

DATE: 09/12/12
TYPE: 3
CLASS: 4
NO. OF DAYS: 11
AAR / DOT #: 272707E
MILE POST: 361 + 3362'
Project Type: FDOT

ESTIMATED COST FOR HIGHWAY CROSSING WARNING DEVICES AT NORTHEAST MIAMI COURT.
This estimate should be considered void after one (1) year.

MATERIAL	UNIT COST	UNITS	TOTAL COST
GATE MECHINISMS	$9,784.00	2 EA.	$19,568.00
GATES	$500.00	2 EA.	$1,000.00
GATE FOUNDATIONS	$675.00	2 EA.	$1,350.00
6'X6' WIRED CASE, WITH HXP-3R2	$62,860.00	1 EA.	$62,860.00
GENERATOR CASE W/ TRANSFER SWITCH	$5,615.00	1 EA.	$5,615.00
BATTERY BOX	$675.00	1 EA.	$675.00
BATTERIES, SAFT SPL250	$250.00	30 EA.	$7,500.00
MISC. GROUND MATERIAL	$2,127.00	1 PKG.	$2,127.00
CONDUIT & DIRECTIONAL BORE	$45.00	60 FT.	$2,700.00
CABLE	$18,500.00	1 PKG.	$18,500.00
MISCELLANEOUS RELAY EQUIPMENT	$1,120.00	1 PKG.	$1,120.00
POWER SERVICE	$1,800.00	1 EA.	$1,800.00
MONITORING EQUIPMENT	$10,725.00	1 PKG.	$10,725.00
SANITATION & DISPOSAL	$1,500.00	1 PKG.	$1,500.00
FREIGHT & HANDLING			$33,885.00
TAX @ 6.5%			$8,810.00
TOTAL MATERIALS			$179,735.00
EXCAVATING EQUIPMENT PER DAY	$417.10	11 DAYS	$4,588.10
EQUIPMENT RENTAL PER DAY	$200.00	11 DAYS	$2,200.00
FOREMAN'S TRUCK PER DAY	$224.70	11 DAYS	$2,471.70
GANG TRUCK PER DAY	$647.30	11 DAYS	$7,120.30
SUPERVISORS TRUCK PER DAY	$142.60	11 DAYS	$1,568.60
EQUIPMENT TOTAL			$17,949.00
DESIGN ENGINEERING	$7,500.00	1	$7,500.00
CONTRACT ENGINEERING	$12,650.00	1	$12,650.00
CONSTRUCTION ENGINEERING INSPECTION	$1,350.00	3 DAYS	$4,050.00
ENGINEERING TOTAL			$24,200.00
CONSTRUCTION SUPERVISION	$375.00	11 DAYS	$4,125.00
LABOR ADDITIVE			$2,382.00
TOTAL SUPERVISION LABOR			$6,507.00
LABOR PER DAY	$1,392.40		$15,316.00
NUMBER OF DAYS	11		
LABOR ADDITIVE			$9,004.00
TOTAL GANG LABOR			$24,320.00
GANG EXPENSES PER DAY	$803.00		
NUMBER OF DAYS	11		
TOTAL GANG EXPENSES			$8,833.00
ESTIMATED FLAGGING TOTAL	$1,000.00	11 DAYS	$11,000.00
SUB-TOTAL			$272,544.00
CONTINGENCIES 5%			$13,627.00
TOTAL			$286,170.00

ESTIMATE NOTES:

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

725-090-41
RAIL
OGC - 03/12

RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES ANNUAL MAINTENANCE COSTS

FINANCIAL PROJECT NO.	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL & R/W NUMBER	FAP NUMBER
43346815701	NE MIAMI COURT	MIAMI-DADE	1(SIG-B)	N/A

COMPANY NAME: FLORIDA EAST COAST RAILWAY

A. FDOT/AAR XING NO.: 272707E RR MILE POST TIE: 361+3362'

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

CLASS	DESCRIPTION	COST*
I	Flashing Signals - One Track	$2,256.00
II	Flashing Signals - Multiple Tracks	$2,985.00
III	Flashing Signals and Gates - One Track	$3,402.00
IV	Flashing Signals and Gates - Multiple Tracks	$4,272.00
V	3 or 4 Quadrant Flashing Signals and Gates - One Track	$6,726.00
VI	3 or 4 Quadrant Flashing Signals and Gates - Multiple Tracks	$8,442.00

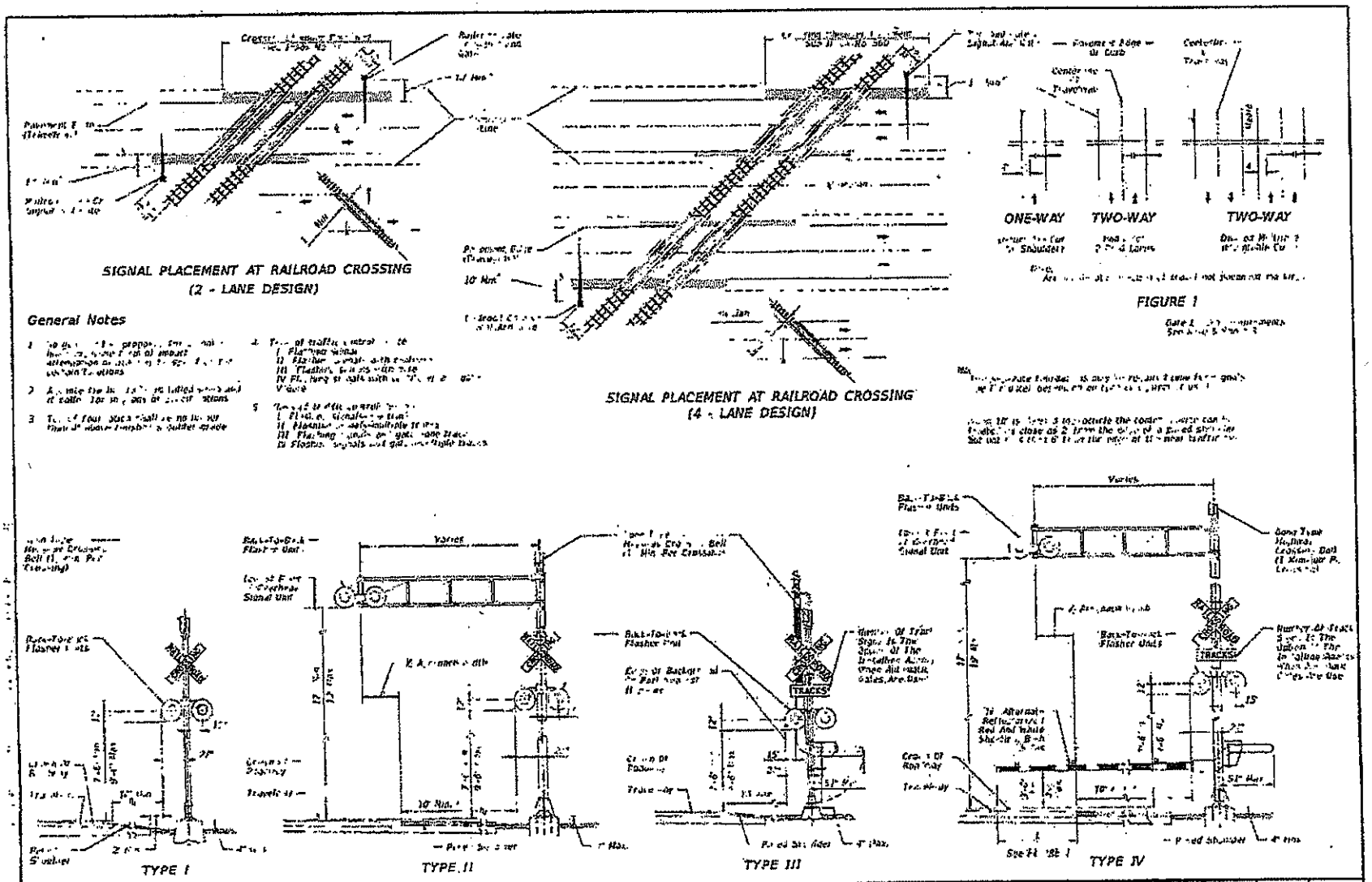
AUTHORITY: FLORIDA ADMINISTRATIVE RULE 14-57.011
Public Railroad-Highway Grade Crossing Costs

EFFECTIVE DATE: July 22, 1982

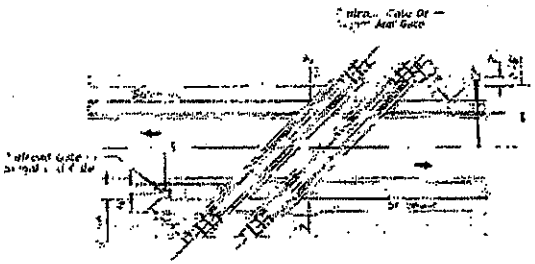
GENERAL AUTHORITY: 334.044, F.S.

SPECIFIC LAW IMPLEMENTED: 335.141, F.S.

*This schedule will become effective July 1, 2011 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.

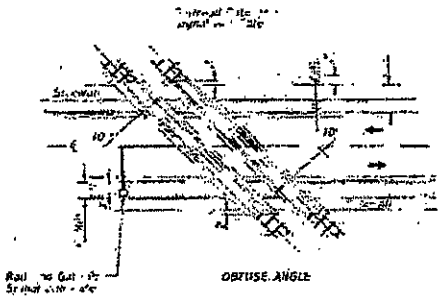


LAST REVISION	REVISION	DESCRIPTION		FDOT DESIGN STANDARDS 2013	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX NO.	SHEET NO.
01/01/11						17882	1



ACUTE ANGLE (AND RIGHT ANGLE)

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



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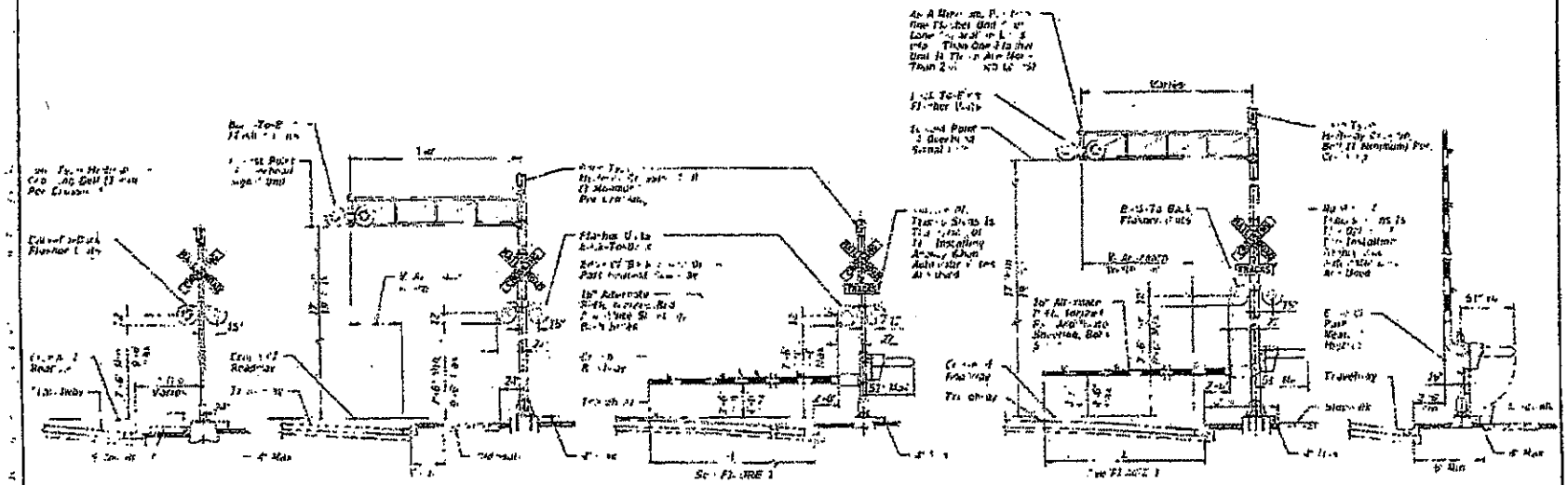
SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANES, CURB & GUTTER)

GENERAL NOTES



TYPE I

TYPE II

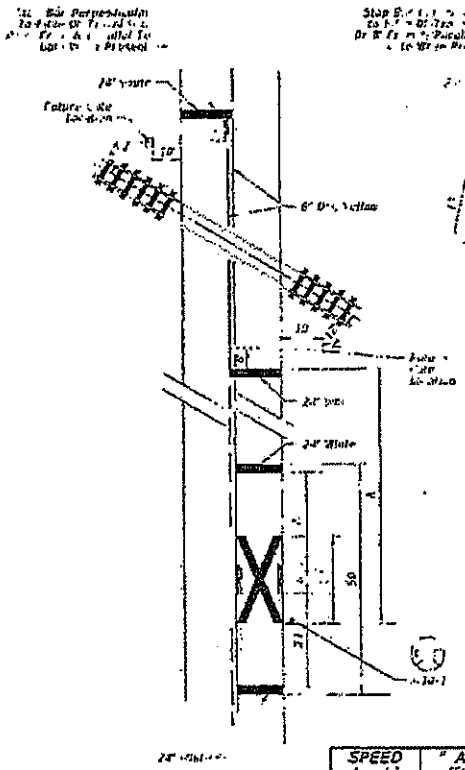
TYPE III

TYPE IV

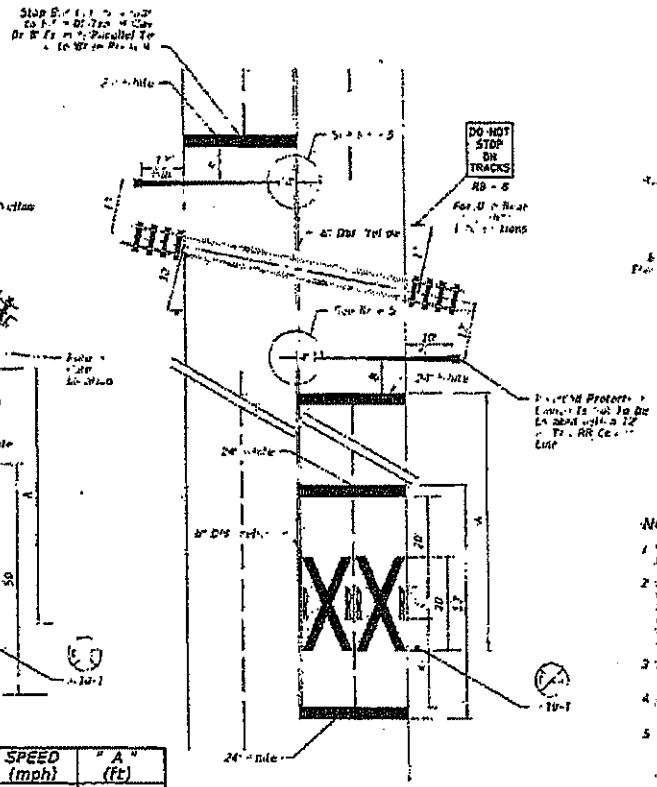
TYPE V

LAST REVISION	REVISION	DESCRIPTION				
01/01/13			FDOT DESIGN STANDARDS 2013	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX No. 17882	SHEET NO. 2

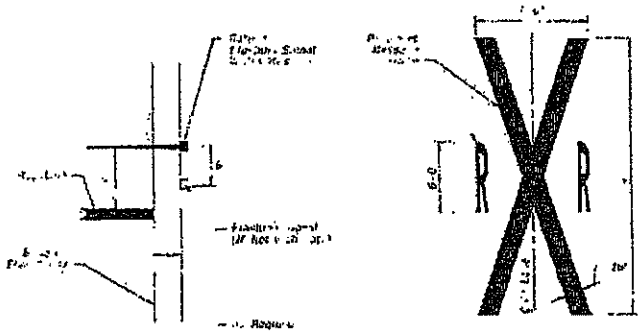
RAILROAD CROSSING AT TWO (2)-LANE ROADWAY



RAILROAD CROSSING AT MULTILANE ROADWAY

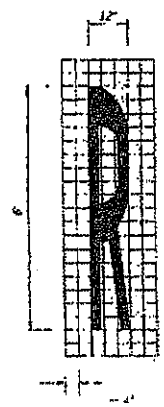


RELATIVE LOCATION OF CROSSING TRAFFIC CONTROL DEVICES



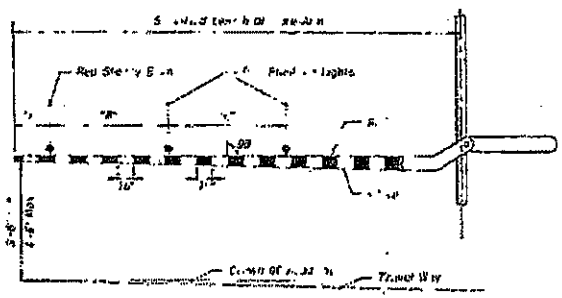
NOTES:

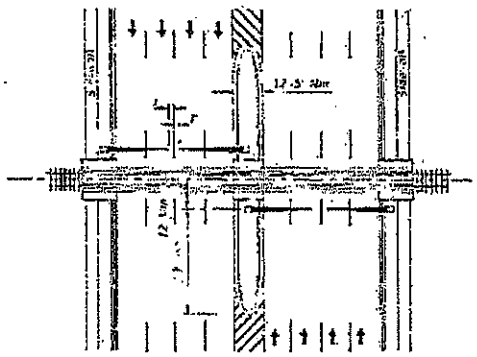
1. [illegible]
2. Placement of sign W10-1 [illegible]
3. [illegible]
4. [illegible] FTP 61-06 or FTP-62-06 [illegible] 17355 [illegible]
5. Gate [illegible]



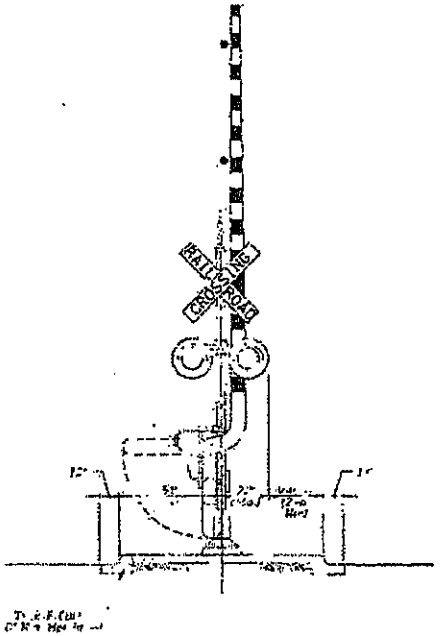
SPEED (mph)	" A " (ft)
60	[illegible]
55	[illegible]
5	250
45	175
40	175
35	100
URBAN	25 MIN

LAST REVISION	REVISION	DESCRIPTION		FDOT DESIGN STANDARDS 2013	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX NO	SHEET NO
07/01/10						17882	3





PLAN



MEDIAN SECTION AT SIGNAL GATES

RAILROAD GATE ARM LIGHT SPACING

Specified Length Of Gate Arm	Dimension "A"	Dimension "B"	Dimension "C"
14-14 Ft	6	30"	5
15 Ft	18"	[illegible]	5
16-17 Ft	24	40"	5
18-19 Ft	24"	41	5
20-23 Ft.	28	8	5
24-28 Ft	28"	5	5
29-31 Ft	[illegible]	6	6
32-34 Ft	38"	7	[illegible]
35-37 Ft	38"	4	4
[illegible]	36"	12	10

NOTE
[illegible] Control Dev. [illegible] Part B, The [illegible] and [illegible] "A [illegible] Design of Streets [illegible] Highways"

MEDIAN SIGNAL GATES FOR

MULTILANE UNDIVIDED URBAN SECTIONS

(THREE OR MORE DRIVING LANES IN ONE DIRECTION, 45 MPH OR LESS)

LAST REVISION	REVISION	DESCRIPTION:		FDOT DESIGN STANDARDS 2013	RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES	INDEX NO.	SHEET NO.
01/01/12						17882	4