

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: February 23, 2010

{X} Consent { } Regular
{ } Public Hearing { } Workshop

Department:

Submitted By: Engineering and Public Works

Submitted For: Engineering Services Division

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to adopt: A Resolution to enter into an Agreement with CSX Transportation Inc. Railway (CSXT) and Florida Department of Transportation (FDOT) for a Railroad Reimbursement Agreement for synchronization of grade crossing and highway signal devices (with signal heads mounted on railroad truss), for the operation of the highway signal devices on the railways signal truss at CSXT railroad crossing number 628126-V, mile post 970.34, on Okeechobee Boulevard, west of Parker/Tamarind Avenue.

SUMMARY: Adoption of this Resolution will approve an agreement for installation of additional lanes, traffic control devices on CSXT's cantilever and synchronization devices for westbound Okeechobee Boulevard by Palm Beach County (County) Engineering at FDOT's expense. Once complete, the County will be required to maintain the new traffic control devices and the synchronization devices by agreement with FDOT. FDOT will continue to own the traffic signal on the eastbound and westbound approaches at Okeechobee Boulevard.

District 7 (MRE)

Background and Justification: The County is making lane improvements to the intersection of Okeechobee Boulevard and Parker/Tamarind Avenue. This will require the modification of the existing west leg of the intersection and replacement of CSXT's overhead signal bridge. This work will be funded by FDOT. The County currently maintains the traffic signal and synchronization equipment at the intersection by agreement with FDOT.

Continued on page 3

Attachments:

- 1. Location Map
- 2. Resolution (3)
- 3. Agreements (6)

Recommended By: _____

Charles Rich
Division Director

1/25/10
Date

Approved By: _____

D. T. Weld
County Engineer

1/24/10
Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2010	2011	2012	2013	2014
Capital Expenditures	\$ -0-	-0-	-0-	-0-	-0-
Operating Costs	-0-	-0-	-0-	-0-	-0-
External Revenues	-0-	-0-	-0-	-0-	-0-
Program Income (County)	-0-	-0-	-0-	-0-	-0-
In-Kind Match (County)	-0-	-0-	-0-	-0-	-0-
NET FISCAL IMPACT	\$ *	-0-	-0-	-0-	-0-

ADDITIONAL FTE
POSITIONS (Cumulative) _____

Is Item Included in Current Budget? Yes _____ No _____
Budget Acct No.: Fund ___ Dept. ___ Unit ___ Object
Program

B. Recommended Sources of Funds/Summary of Fiscal Impact:

* This item has no additional fiscal impact. The FDOT will be funding the improvements. The County is currently responsible for maintaining these signals and will continue to do so.

C. Departmental Fiscal Review: Atwill White

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

Jan Paul 2-9-10
OFMB
11/27/10
1-27-10

Jan J. [Signature] 1/10
Contract Dev. and Control

This Contract complies with our contract review requirements.

B. Approved as to Form and Legal Sufficiency:

Marlon R. [Signature] 2/8/10
Assistant County Attorney

C. Other Department Review:

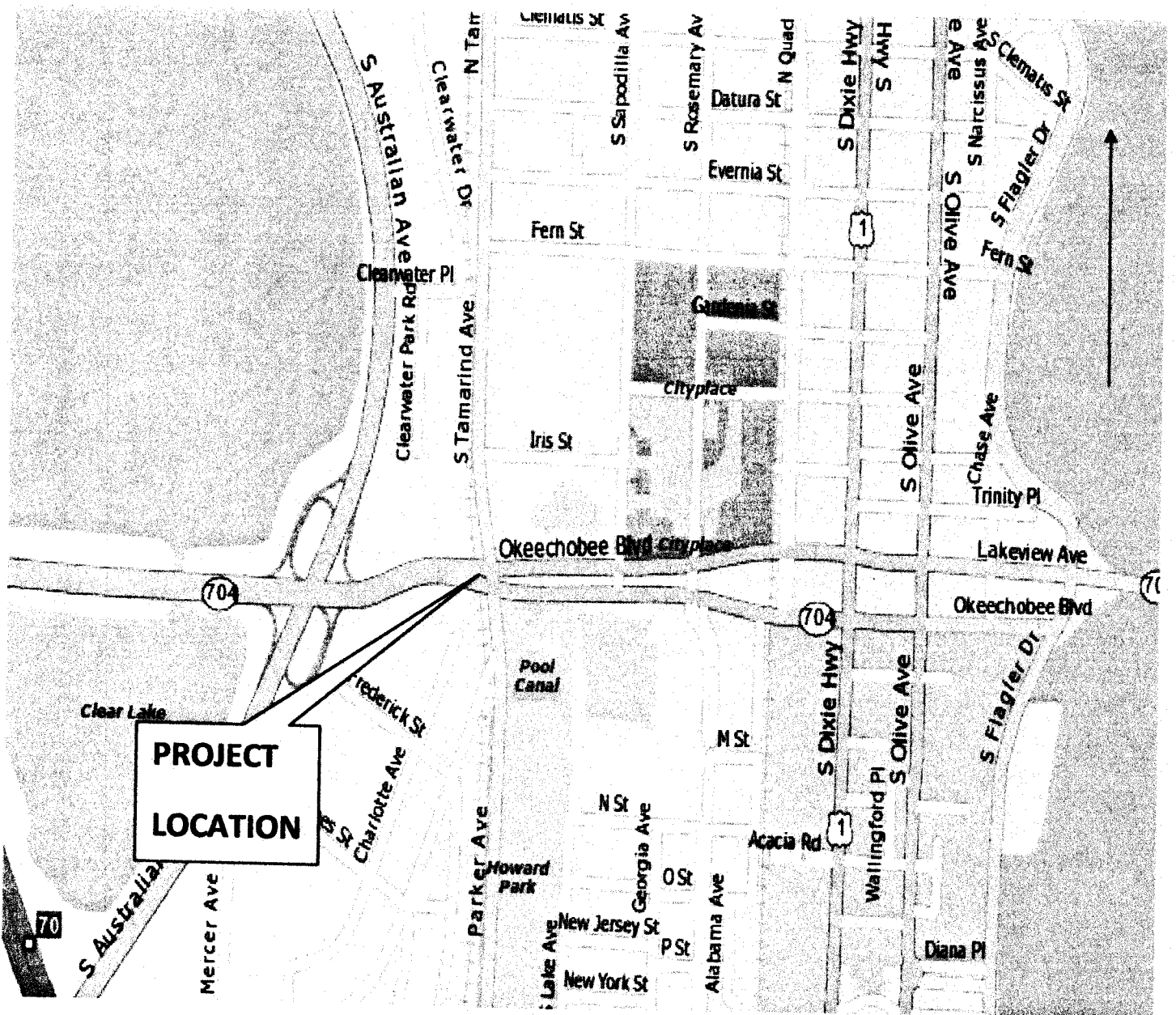
Department Director

This summary is not to be used as a basis for payment.

Background and Justification: Continued from page 1

In order to clear highway traffic from the railroad grade crossing when trains approach, and to provide for the improved operational efficiency of the highway system during train passage, it is necessary to synchronize the traffic signals with the railroad protective devices. FDOT will reinstall or have reinstalled the synchronization devices at the time of the crossing reconstruction.

This office, having reviewed said agreement, recommends the Board of County Commissioners adopt the accompanying Resolution authorizing execution of the Agreement.



OKEECHOBEE BOULEVARD AT THE CSX TRANSPORTATION RAILWAY TRACKS

ATTACHMENT 1

RESOLUTION NO. R-2010-_____

RESOLUTION OF THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA AUTHORIZING EXECUTION OF RAILWAY SYNCHRONIZATION OF GRADE CROSSING AND HIGHWAY SIGNAL DEVICES (WITH SIGNAL HEADS MOUNTED ON RAILROAD TRUSS), SOUTH FLORIDA RAIL CORRIDOR AGREEMENT WITH CSX TRANSPORTATION, INC. (CSX) AND THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AT OKEECHOBEE BOULEVARD.

WHEREAS, the Palm Beach County (PBC) is planning an intersection improvement project on Okeechobee Boulevard at Parker/Tamarind Avenue; and

WHEREAS, the Florida Department of Transportation wishes to have installed, by CSX, synchronization devices for the synchronization of the highway traffic control devices and CSX railway warning devices at the subject crossing at the time of the intersection improvement project; and

WHEREAS, FDOT will fund the cost of installation of the signals and construction on the CSX's right-of-way without cost to PBC; and

WHEREAS, PBC currently maintains the highway signal devices, per agreement with FDOT, at Okeechobee Boulevard; and

WHEREAS, PBC will maintain only the common cable junction box, the interconnecting cable and the highway signal devices; and

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY FLORIDA:

That PBC enter into the tri-partite agreement with FDOT and CSX for the use of the synchronization hardware, and

That the Chairman of the Board of County Commissioners be authorized to enter into such agreements with the FDOT and CSX, as herein described: and

That this RESOLUTION shall take effect immediately upon adoption.

RESOLUTION NO. 2010-
February 23, 2010

The foregoing Resolution was offered by Commissioner _____ who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote was as follows:

District 5 - BURT AARONSON, Chair

District 1 - KAREN T. MARCUS, Vice Chair

District 2 - JEFF KOONS

District 3 - SHELLEY VANA

District 4 - STEVEN L. ABRAMS

District 6 - JESS R. SANTAMARIA

District 7 - PRISCILLA A. TAYLOR

The Chairperson thereupon declared the resolution duly passed and adopted _____.

PALM BEACH COUNTY, FLORIDA, BY
SHARON R. BOCK, CLERK & COMPTROLLER

By: _____
Deputy Clerk

S E A L

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

By: _____
(County Attorney)

**RAILROAD REIMBURSEMENT AGREEMENT
 SYNCHRONIZATION OF GRADE CROSSING AND
 CROSSING TRAFFIC CONTROL DEVICES-COUNTY
 (Traffic signal heads mounted on the Railroad truss)
 SOUTH FLORIDA RAIL CORRIDOR - ONLY**

FINANCIAL PROJECT ID	ROAD NAME OR NUMBER	COUNTY NAME	PARCEL AND R/W NUMBER	FAP NUMBER
229755-1-57-01	SR-704 (Okeechobee Blvd)	Palm Beach	4(93520-2602)	

THIS AGREEMENT, made and entered this _____ day of _____, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, hereinafter called the **DEPARTMENT**, and **CSX TRANSPORTATION, INC.**, a corporation organized and existing under the laws of **VIRGINIA**, with its principal place of business in the city of **JACKSONVILLE**, County of, **DUVAL** State of **FLORIDA**, hereinafter called **CSXT**; and the **COUNTY** of **PALM BEACH** a political subdivision of the State of Florida, hereinafter called the **COUNTY**.

WHEREAS, train-activated railroad grade crossing warning devices, hereinafter called "Crossing Warning Devices", presently exist or shall be installed at the railroad/highway grade crossing on **SR-704 / Okeechobee Boulevard**, which crosses at grade State Rail Corridor and **CSXT** Property at Railroad Milepost **SX 970.34** in or near **West Palm Beach**, Florida; and

WHEREAS, an existing or proposed highway-to-highway intersection exists adjacent to or in close proximity to the aforementioned grade crossing; and, the **DEPARTMENT** and **COUNTY**, in the interest of safety, desire that the Crossing Warning Devices be synchronized with existing and/or proposed highway traffic signal devices, hereinafter called "Highway Signal Devices", so as to assist in clearing highway traffic from the grade crossing upon the approach of trains, and to provide for improved operational efficiency of the highway system during train passage, hereinafter referred as the "project".

WHEREAS, the **DEPARTMENT** and **CSXT** entered into a Purchase and Sale Agreement for the Rail Corridor described herein on May 11, 1988 (the "Purchase Agreement") at which time the **DEPARTMENT** became the owner of said property and **CSXT** retained an easement for Rail Freight Operations within the Rail Corridor, and under which **CSXT** manages and maintains the property on behalf of the **DEPARTMENT** pursuant to the Phase A Operating and Management Agreement entered into on May 11, 1998 by **CSXT** and the **DEPARTMENT** ("OMAPA") and made a part of this Agreement by reference thereto;

WHEREAS, the work to be 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

WHEREAS, words that are not otherwise defined herein shall have the meaning ascribed to them in the Purchase Agreement.

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

1. **CSXT**, at **DEPARTMENT'S** expense, will furnish and install a preemption synchronization circuit, (in which the normally closed electrical contacts will open on approach or presence of a train), to a common cable junction box at or near the **DEPARTMENT'S** right-of-way line adjacent to **COUNTY'S** Highway Signal Devices control cabinet.
2. The **COUNTY** and **CSXT** at the **DEPARTMENT'S** expense, will install or have installed all cable, circuitry and related equipment, required to operate the Highway Signal Devices in a coordinated and synchronized manner; will provide the connecting cable from the Highway Signal Devices to the common cable junction box with sufficient cable to be connected to terminals in **CSXT's** control case, and will configure the preemption circuit with its system whereby a failure of the Highway Signal Devices will create a safe condition for both the rail corridor and the

roadway. The COUNTY will furnish CSXT a written and/or graphic description of the Highway Signal Devices, both in operational mode and failed mode preempted sequence mode, attached hereto as Exhibit A.

3. The common cable junction box and inter-connecting cable from the common cable junction box to the Highway Signal Devices shall be deemed the property of the COUNTY, and shall be maintained by the COUNTY. The inter-connecting cable from the common cable junction box to the Crossing Warning Devices shall be maintained by CSXT. The parties hereto shall each have access to the common junction box in order to perform appropriate maintenance and testing.
4. The COUNTY and CSXT at the DEPARTMENT's expense will construct the project, and the COUNTY, upon final acceptance of the installation, will operate and maintain the Highway Signal Devices. The COUNTY agrees to give CSXT sufficient notice prior to making any changes in the operation thereof which, in any way, might affect the coordination features of the Crossing Warning Devices. Said Highway Signal Devices for eastbound and westbound SR 704 / Okeechobee Boulevard, shall be mounted on the CSXT cantilevers as shown on the attached plans attached hereto. In the event said Highway Signal Devices, and/or coordinating facilities of the COUNTY become inoperative, COUNTY will notify CSXT and restore or repair such devices and/or facilities promptly, and use other means including, traffic control personnel or law enforcement personnel to control the flow of traffic at the traffic signal locations at any time the Highway Signal Devices or preemption are inoperative so as to clear the highway/railroad grade crossing before the approach of trains.
5. CSXT will operate and maintain the Crossing Warning Devices, overhead trusses and cantilevers in accordance with the Operating and Management Agreement Phase A as referenced above, and likewise agrees to give the COUNTY sufficient advance notice prior to making any changes in the operation thereof which, in any way, would affect the coordination features of the COUNTY'S Highway Signal Devices. In the event said Crossing Warning Devices and/or coordination facilities of CSXT become inoperative, CSXT will notify COUNTY and restore or repair such devices and/or facilities.
6. Attached hereto as Exhibit D2, and by this reference made a part hereof, are plans and /or operational design sheets numbered FL2006103/CSX0618468 with specifications of work to be performed by CSXT pursuant to the terms hereof, and an estimate of the cost thereof (including the common cable junction box) payable to CSXT by the DEPARTMENT in the amount of \$ 476,430.00. All work performed by CSXT shall be performed in accordance with these plans and specifications as approved by the DEPARTMENT, the COUNTY, and the FEDERAL HIGHWAY ADMINISTRATION if the project is a federal aid participating project; and all subsequent plan changes shall likewise be approved by the parties.
7. The cost of any adjustment, relocation or replacement of said synchronization devices and related Highway Signal Devices shall be assumed by the party initiating such action, written notice shall be provided to CSXT and the DEPARTMENT.
8. CSXT shall have no responsibility or liability for any loss of life or injury to persons, or loss of or damage to property, growing out of or arising from the irregular operation of the Highway Signal Devices of the COUNTY and/or CSXT'S Crossing Warning Devices resulting from or in any manner attributed to the malfunction of the COUNTY'S Highway Signal Devices on CSXT'S overhead truss or cantilever. Provided however, that the provisions of this article shall have no application to any loss, injury or damage growing out of or resulting from the failure or improper operation of the Crossing Warning Devices when such failure or improper operation is not attributed the COUNTY'S Highway Signal Devices; it being the intention of the parties that CSXT shall have the same responsibilities and obligations with respect to the Crossing Warning Devices and the operation thereof as set forth in this Agreement, and the COUNTY shall have and assume sole responsibility for its Highway Signal Devices on the overhead truss and cantilever and the operation or functioning thereof.
9. The COUNTY will be responsible for claims and demands arising out of the work undertaken by the COUNTY pursuant to this Agreement due to the negligent actions, done or committed by the COUNTY, its contractors, employees, agents, or representatives in connection with the work done on the overhead truss or cantilever.
10. ~~CSXT covenants and agrees that it will indemnify and hold harmless for DEPARTMENT'S officers, agents, and employees from any claim, loss, damage, cost charge, or expense arising out of any action, neglect, omission, or delay by CSXT 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 CSXT 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 sole negligence of the DEPARTMENT, or any of its officers, agents, or employees.~~

11. 72 hours notice shall be given prior to work, which will have an effect on the other party. The 72 hour notice shall be waived in case of emergencies.
12. In the event of damage to the overhead truss or cantilever, County shall be responsible for its own control devices, including any temporary structures or devices necessary for the mounting of the Highway Signal Devices, and CSXT and the DEPARTMENT shall be responsible for their own control devices, including any temporary structures or devices necessary for the mounting of the Railroad Warning Devices, as set forth in OMAPA.
13. Upon completion of the work, CSXT 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 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 allow 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 possible.

Adequate reference shall be made in the billing to CSXT'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 CSXT in the amount of such actual costs approved by the DEPARTMENT'S auditor.

14. All salvage value of materials resulting from work contemplated herein shall be subject to the salvage provision of the Operating and Management Agreement Phase A
15. Payment shall be made only after receipt and approval of goods and services unless advance payments are authorized by the State Comptroller under Section 215.422, Florida Statutes.
16. 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 pre-audit and post-audit thereof.
17. In accordance with Section 215.422, Florida Statutes, the followings 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 Banking and Finance. The 20 days are measured from the latter of the date the invoice is received or the date 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.

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 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.

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 339.35(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 in 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 287.0582, Florida Statutes, the following provisions are included in this Agreement:

The DEPARTMENT'S obligation to pay under this section is contingent upon an annual appropriation by the Florida Legislature.

22. The DEPARTMENT reserves the right to unilaterally cancel this Agreement for refusal by the contractor or Agency 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.
23. If any existing contract exists between CSXT and either the COUNTY or DEPARTMENT, or a third party, by which this grade crossing is opened or maintained, or by which other crossing devices or highway signal devices are installed and maintained, then that contract shall remain in full force and effect, except when in conflict with this synchronization Agreement.
24. This Agreement is of an indefinite, but unperpetual duration and shall terminate upon the removal of the aforementioned rail-highway grade crossing or upon removal of either the Highway Signal Devices or Crossing Warning Devices.
25. In the event any of the parties hereto desire an assignment of this Agreement, it shall be said party's responsibility to obtain written acceptance of the assignment by the new party to the Agreement.
26. Any notices required or permitted to be given under this Agreement shall be in writing and shall be deemed to have been given if delivered by hand, sent by recognized overnight courier (such as Federal Express) or mailed by certified or registered mail, return receipt requested, in a postage-prepaid envelope, and addressed as follows:

If to the Department at: **Florida Department of Transportation**
3400 West Commercial Boulevard
Ft. Lauderdale, Florida 33309
Att: Rail Coordinator
(954)777- 4401

If to CSXT **CSX Transportation, Inc.**
500 Water Street (S/C J301)
Jacksonville, FL 32202
Att: Hal Gibson, Principal Engineer Public Projects
(904) 359-1048

If to the County **Palm Beach County.**
Engineering and Public Works Dept.
Engineering Services Division
P.O. Box 21229
West Palm Beach, FL 33416
Att: Andy Hartmann, Technical Assistant III
(561) 684-4053

27. Provision ten (10) was stroke through prior to the agreement execution.

* * * * *

IN WITNESS WHEREOF, the parties hereto have made and executed this Synchronization Agreement as of the day and year first above written.

OWNER:

PALM BEACH COUNTY, FLORIDA,
A Political Subdivision of the State of Florida

BOARD OF COUNTY COMMISSIONERS

BY: _____
Burt Aaronson, Chair

ATTEST:
Sharon R. Bock, Clerk
Circuit Court

BY: _____
Deputy Clerk

S E A L

APPROVED AS TO TERMS &
CONDITIONS:

By: Charles Rich
Engineer

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

By: _____
County Attorney

COMPANY:

CSX Transportation, Inc.

BY: _____

Attest:

By: _____
Assistant Secretary

Witnesses as to Company:

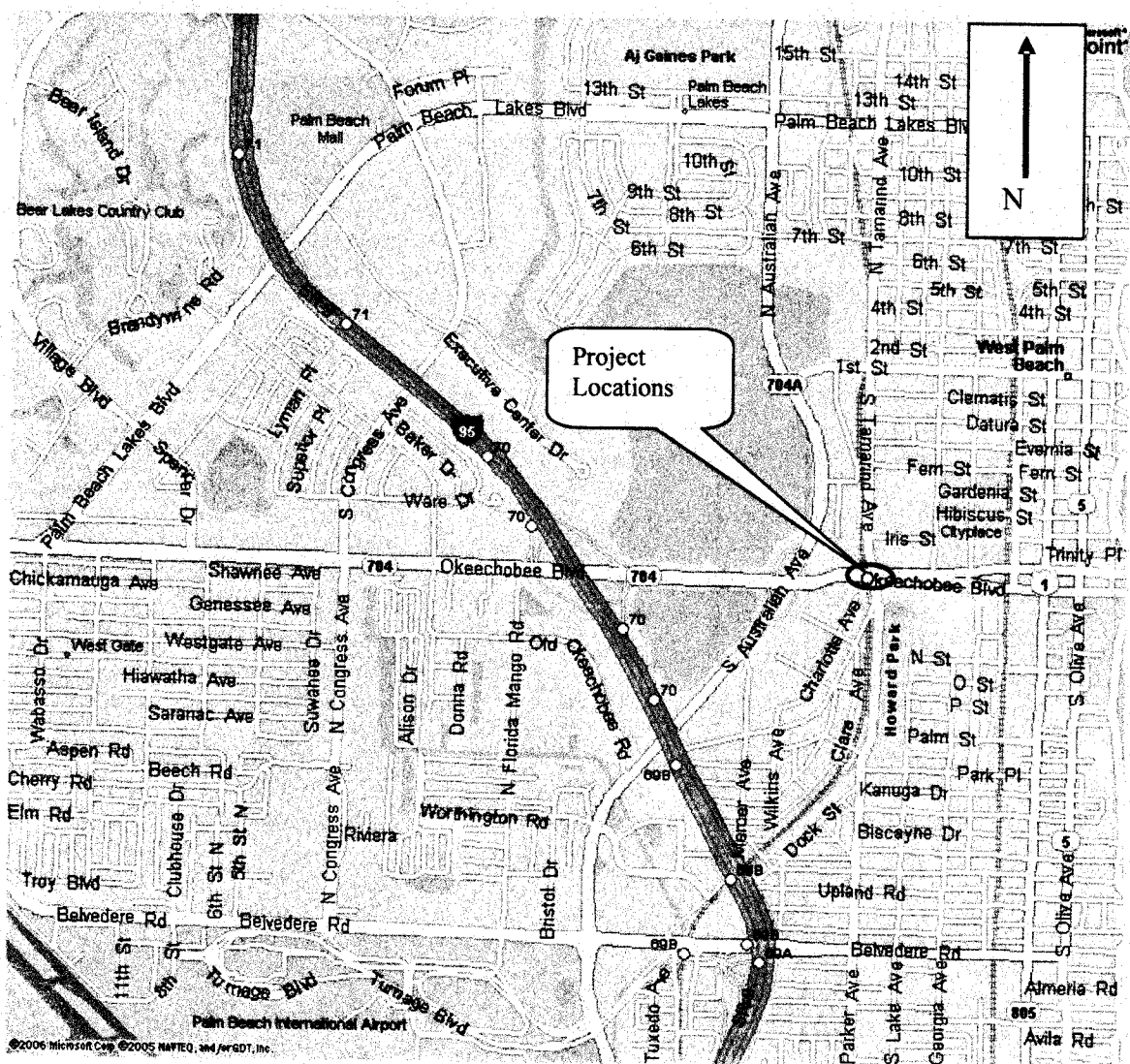
By: _____

By: _____

Florida Department of Transportation

By: _____
Its:

Witnesses



LOCATION MAP

CSX Transportation.

LOCATION: SR-704 / Okeechobee Boulevard
 FINANCIAL PROJECT NO.: 229755-1-57-01
 CROSSING NO.: 628126-V
 RAILROAD MILEPOST: SX 970.34

**STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
OFFICE OF MODAL DEVELOPMENT
DISTRICT IV RAIL OFFICE**

PROJECT SCOPE AND COST ESTIMATE

PROJECT INFORMATION

Financial Project No.: 229755-1-57-01
Location: SR-704/Okeechobee Boulevard
County: Palm Beach
Crossing No.: 628126-V
RR. MP.: SX 970.34
Company: CSX Transportation, Inc.

This project scope was prepared by: District 4 Railroad Coordinator's Office

Project Scope: By CSX Transportation, Inc.

Provide materials, labor construction and installation of the shared structure at SR-704 / Okeechobee Boulevard.

Agreement: Materials, Labor, Equipment, Installation of railroad signals and shared structure.....\$476,430.00

TOTAL ESTIMATED COSTS.....\$476,430.00

**CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE**

ACCT. CODE : 709 - FL1032 (PE), TBD (Construction)

ESTIMATE SUBJECT TO REVISION AFTER:		3/31/2010	DOT NO.: 628126V
CITY: West Palm Beach	COUNTY: Palm Beach		STATE: FL
DESCRIPTION: Relocation and modification of existing warning devices and pedestrian gates at SR704 (Okeechobee Blvd)			
DIVISION: Jacksonville	SUB-DIV: Miami		MILE POST: SX-970.34
AGENCY PROJECT NUMBER: 229755-1-57-01			

PRELIMINARY ENGINEERING:

200 Labor (Non Contract)		\$ -
200 Additive	38.91%	\$ -
230 Expenses		\$ -
212 Contracted & Administrative Engineering Services		\$ 500
Subtotal		\$ 500

CONSTRUCTION ENGINEERING/INSPECTION:

200 Labor (Non Contract)		\$ -
200 Additive	38.91%	\$ -
230 Expenses		\$ -
212 Contracted & Administrative Engineering Services		\$ 500
Subtotal		\$ 500

FLAGGING SERVICE: (Contract Labor)

070 Labor (Conductor-Flagman)		\$ -
050 Labor (Foreman/Inspector)		\$ -
070 Additive	68.88% (Transportation Department)	\$ -
050 Additive	73.63% (Engineering Department)	\$ -
230 Per Diem	(Engineering Department)	\$ -
230 Expenses		\$ -
Subtotal		\$ -

SIGNAL & COMMUNICATIONS WORK: (Details Attached) \$ 423,464

TRACK WORK: (Details Attached) \$ -

ACCOUNTING & BILLING:

040 Labor		\$ 5,400
040 Additive	60.27%	\$ 3,255
Subtotal		\$ 8,655

PROJECT SUBTOTAL

900 <u>CONTINGENCIES:</u>	10.00%	\$ 433,119
		\$ 43,312

GRAND TOTAL ***** **\$ 476,430**

DIVISION OF COST:

Agency	100.00%	\$ 476,430
Railroad		\$ -
TOTAL *****		\$ 476,430

NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces.

This estimate has been prepared based on site conditions, anticipated work duration periods, material prices, labor rates, manpower and resource availability, and other factors known as of the date prepared. The actual cost for CSXT work may differ based upon the agency's requirements, their contractor's work procedures, and/or other conditions that become apparent once construction commences or during the progress of the work

Office of Assistant Chief Engineer Public Projects--Jacksonville, Florida

Estimated prepared by:

DATE: 10/2/2009

Hal A. Gibson, Jr.

REVISED:

Approved by:

DATE:

CSXT Public Project Gr

**CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE**

ACCT. CODE : 709 - FL1032 (PE), TBD (Construction)
Pub EB - FL EB3 (FL)

ESTIMATE SUBJECT TO REVISION AFTER:	3/31/2010	DOT NO.: 628126V
CITY: West Palm Beach	COUNTY: Palm Beach	STATE: FL
DESCRIPTION:	Relocation and modification of existing warning devices and pedestrian gates at SR704 (Okeechobee Blvd)	
DIVISION: Jacksonville	SUB-DIV: Miami	MILEPOST: SX-970.34
DRAWING NO.: SX97040.H01	DRAWING DATE: 10/6/2006	
AGENCY PROJECT NUMBER: 229755-1-57-01		

PRELIMINARY ENGINEERING:

200 Labor (Non Contract)		0 Days @	\$ 270.00	\$ -
200 Additive	38.91%			\$ -
230 Expenses				\$ -
212 Contracted & Administrative Engineering Services				\$ 500
Subtotal				\$ 500

CONSTRUCTION ENGINEERING/INSPECTION:

200 Labor (Non Contract)		0 Days @	\$ 270.00	\$ -
200 Additive	38.91%			\$ -
230 Expenses				\$ -
212 Contracted & Administrative Engineering Services				\$ 500
Subtotal				\$ 500

FLAGGING SERVICE: (Contract Labor)

70 Labor (Conductor-Flagman)		0 Days @	\$ 350.00	\$ -
50 Labor (Foreman/Inspector)		0 Days @	\$ 336.00	\$ -
70 Additive	68.88% (Transportation Department)			\$ -
50 Additive	73.63% (Engineering Department)			\$ -
230 Expenses	(Engineering Department)	0 Days @	\$ 75.00	\$ -
230 Expenses	(Transportation Department)	0 Days @	\$ 45.00	\$ -
Subtotal				\$ -

COMMUNICATIONS WORK:

Temporary (Details Attached)				\$ -
Permanent (Details Attached)				\$ -
Subtotal				\$ -

TRACK: LABOR

50 Traffic Control		0 MAN-HRS	\$ 24.00	\$ -
50 Remove Existing Crossing		0 MAN-HRS	\$ 24.00	\$ -
50 Renew Cross Ties		0 MAN-HRS	\$ 24.00	\$ -
50 Renew Rail		0 MAN-HRS	\$ 24.00	\$ -
50 Install OTM		0 MAN-HRS	\$ 24.00	\$ -
50 Install Field Welds		0 MAN-HRS	\$ 24.00	\$ -
50 Install Geo-Textile Fabric		0 MAN-HRS	\$ 24.00	\$ -
50 Install Sub-Drains		0 MAN-HRS	\$ 24.00	\$ -
50 Install Ballast		0 MAN-HRS	\$ 24.00	\$ -
50 Line and Surface		0 MAN-HRS	\$ 24.00	\$ -
50 Install Crossing Materials		0 MAN-HRS	\$ 24.00	\$ -
50 Install Bituminous Pavement		0 MAN-HRS	\$ 24.00	\$ -
50 _____		0 MAN-HRS	\$ 24.00	\$ -
50 _____		0 MAN-HRS	\$ 24.00	\$ -
50 Clean-Up		0 MAN-HRS	\$ 24.00	\$ -

**CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE**

ACCT. CODE : 709 - FL1032 (PE), TBD (Construction)
Pub EB - FL EB3 (FL)

50	Additive	73.63%					\$	-
230	Per Diem			0	MAN-DAY	\$ 90.00	\$	-
	Subtotal						\$	-
	TRACK: MATERIAL							
220	Cross Ties, Main Line		0	EA	\$ 39.00		\$	-
220	Cross tie - pre-plated		0	EA	\$ 83.50		\$	-
220	Cross-tie - Borate		0	EA	\$ 56.00		\$	-
220	Crossties, 10' Length		0	EA	\$ 46.00		\$	-
220	Tie plates		0	EA	\$ 10.51		\$	-
220	Rail, 136RE, New		0	LF	\$ 21.00		\$	-
220	Misc. OTM		1	LOT	\$ -		\$	-
210	Geo-Textile Fabric		0	RL	\$ 930.00		\$	-
210	Sub-Drains		0	LF	\$ 6.00		\$	-
220	Ballast - Car load		0	NT	\$ 12.00		\$	-
220	Ballast - Trucked in		0	NT	\$ 45.00		\$	-
220	Field Welds		0	EA	\$ 100.00		\$	-
			0		\$ -		\$	-
			0		\$ -		\$	-
210	Concrete Full Width		0	TF	\$ 250.00		\$	-
210	Concrete/Rubber Xing (CSX)		0	TF	\$ 200.00		\$	-
210	Rubber Crossing, Full Depth		0	TF	\$ 325.00		\$	-
210	Timber/Asphalt Crossing (CSX Standard)		0	TF	\$ 42.00		\$	-
210	Bituminous Material		0	NT			\$	-
210	Sales Tax on Material	0.00%					\$	-
210	Material Handling	5.00%					\$	-
	Subtotal						\$	-
	CONTRACT:							
215	Asphalt Paving (In Place)		0	NT			\$	-
241	Disposal of Waste Materials		0	TF	\$ 15.00		\$	-
215	Maintenance of Traffic		0	DAY	\$ 350.00		\$	-
	Subtotal						\$	-
241	EQUIPMENT RENTAL:							
	Subtotal						\$	-
50	WORK TRAIN:							
	Subtotal		0	DAY	\$ 2,100.00		\$	-
	SALVAGE:							
228	Rail		0	NT	\$ 65.00		\$	-
228	OTM		0	NT	\$ 75.00		\$	-
	Subtotal						\$	-
	SIGNAL WORK:							
210	Material - Field & Consumables						\$	241,337
210	Material - Sales Tax						\$	-
220	Material - Shop						\$	-
60	Construction Labor						\$	-
65	Shop Labor						\$	37,356
230	Per Diem						\$	-
200	RR Engineering, Preliminary						\$	16,380
200	RR Engineering, Construction						\$	7,176
60	Additives to Construction Labor						\$	5,603
							\$	27,505

**CSX TRANSPORTATION, INC.
FORCE ACCOUNT ESTIMATE**

ACCT. CODE : 709 - FL1032 (PE), TBD (Construction)
Pub EB - FL EB3 (FL)

65	Additives to Shop Labor				\$	-
200	Additives to Engineering				\$	4,972
241	Equipment Expense				\$	16,900
241	Waste Management				\$	312
212	Contract Engineering				\$	50,355
211	Freight				\$	15,568
216	AC Power Service				\$	-
228	Salvage				\$	-
900	Other				\$	-
	Subtotal				\$	423,464

ACCOUNTING & BILLING:

40	Labor		27 Days @	\$ 200.00	\$	5,400
40	Additive	60.27%			\$	3,255
	Subtotal				\$	8,655

PROJECT SUBTOTAL:

900	<u>CONTINGENCIES:</u>	10.00%			\$	433,119
					\$	43,312

GRAND TOTAL ***** \$ 476,430

DIVISION OF COST:

Agency	100.00%	\$	476,430
Railroad	0.00%	\$	-
TOTAL *****		\$	476,430

NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces.

This estimate has been prepared based on site conditions, anticipated work duration periods, material prices, labor rates, manpower and resource availability, and other factors known as of the date prepared. The actual cost for CSXT work may differ based upon the agency's requirements, their contractor's work procedures, and/or other conditions that become apparent once construction commences or during the progress of the work

Office of Assistant Chief Engineer Public Projects--Jacksonville, Florida

Estimated prepared by:

DATE: 10/2/2009

Hal A. Gibson, Jr.

REVISED:

Approved by:

DATE:

CSXT Public Project Group

Form Revised 05-29-2009 -LLS

ACCT. CODE : 709 - FL1032 (PE), TBD (Cons
Pub EB - FL EB3 (FL)

ESTIMATE SUBJECT TO REVISION AFTER: 3/31/2010 DOT NO.: 628126V
CITY: West Palm Beach COUNTY: Palm Beac STATE: FL
DESCRIPTION: Relocation and modification of existing warning devices and pedestrian gates at
SR704 (Okeechobee Blvd)
DIVISION: Jacksonville SUB-DIV: Miami MILEPOST: SX-970.34
DRAWING NO.: SX97040.H01 DRAWING DATE: 10/6/2006
AGENCY PROJECT NUMBER: 229755-1-57-01

SIGNAL WORK:

210 Material - Field & Consumables	\$	241,337
210 Material - Sales Tax	\$	-
220 Material - Shop	\$	-
60 Construction Labor	\$	-
65 Shop Labor	\$	37,356
230 Per Diem	\$	-
200 RR Engineering, Preliminary	\$	16,380
200 RR Engineering, Construction	\$	7,176
60 Additives to Construction Labor	\$	5,603
65 Additives to Shop Labor	\$	27,505
200 Additives to Engineering	\$	-
241 Equipment Expense	\$	4,972
241 Waste Management	\$	16,900
212 Contract Engineering	\$	312
211 Freight	\$	50,355
216 AC Power Service	\$	15,568
228 Salvage	\$	-
900 Other	\$	-
Subtotal	\$	423,464

ACCT. CODE : 709 - FL1032 (PE), TBD (Construction)
 Pub EB - FL EB3 (FL)

ESTIMATE SUBJECT TO REVISION AFTER: 3/31/10 DOT NO.: 628126V
 CITY: West Palm Beach COUNTY: Palm Beach STATE: FL
 DESCRIPTION: Relocation and modification of existing warning devices and pedestrian gates at SR704 (Okeechobee Blvd)
 DIVISION: Jacksonville SUB-DIV: Miami MILEPOST: SX-970.34
 DRAWING NO.: SX97040.H01 DRAWING DATE: 10/6/2006
 AGENCY PROJECT NUMBER: 229755-1-57-01

Amount		
Task	Task Desc	Total
40	Labor General Office	\$8,655
50	Labor Roadway	
60	Labor Signal	\$64,861
65	Labor Signal1	
70	Labor Transportation	
200	Labor NonContract	\$17,751
210	Invoice Material	
	Material - Field & Consu	\$241,337
211	Invoice Freight	\$15,568
212	Invoice Contract Eng	\$51,355
215	Invoice Misc	
216	Invoice Utilities	
220	Material New	
	Material - Shop	
228	Scrap Credit	
230	ExpenseRpts	\$16,380
241	Invoice Rental	\$17,212
900	Other	
900	Contingencies	\$43,312
	Material New	
Grand Total		\$476,430

Estimate No. 115862
CSX Transportation

S.R.-704 (Okeechobee Blvd.) - Relocation and modification of existing warning devices (CFLS&Gs) and pedestrian gates.

West Palm Beach, FL

DOT: 628126V

OP: FL1032

CSX Project: FL2006103

Summary

Material	\$ 241,337
Sales Tax	\$ 0
Labor:	
Construction Labor (126 man-days).....	\$ 37,356
Shop Labor (0 man-days).....	\$ 0
Subsistence (126 man-days).....	\$ 16,380
Railroad Engineering, Preliminary	\$ 7,176
Railroad Engineering, Construction	\$ 5,603
Additives to Construction Labor	\$ 27,505
Additives to Shop Labor	\$ 0
Additives to Engineering	\$ 4,972
Equipment Expenses (26 work days).....	\$ 16,900
Waste Management (26 work days).....	\$ 312
Contract Engineering	\$ 50,355
Freight	\$ 15,568
Poleline Removal	\$ 0
AC Power Service	\$ 0
Salvage	\$ -1
<hr/>	
TOTAL ESTIMATE COST	\$ 423,464

Date: 08/21/2009

Estimated By: Michael Allgood

NOTE: This estimate should be considered void one year from date of estimate.

Field Material List for CSX Project: FL2006103 (Effective: 08/21/2009)
Relocation and modification of existing warning devices and pedestrian gates.
West Palm Beach, FL - SX 970.40

Catalog Num	Cond	Unit Price	Qty	Cost Description
N/A		63713.00	1	63713.00 Bridge, Aluminum Highway 104' (2) 1-Way LED mast lights, (6)
N/A		73718.00	1	73718.00 Bridge, Aluminum Highway 132' (2) 1-Way LED mast lights, (4)
N/A		5885.62	1	5885.62 SIGNAL EXIT-L GCWD EXIT GATE ASSY LEFT HAND INCL ADJ
N/A		5885.62	2	11771.24 SIGNAL EXIT-L GCWD EXIT GATE ASSY RIGHT HAND INCL ADJ 29FT TO
020-0013686	1	40.43	1	40.43 BOOTLEG KIT CSX RAIL CONN W/15 FT 3/16 IN BDSTRAND 6/64
020-0013908	1	5.95	1000	5950.00 CABLE UG COMPOSITE 19 CONDUCTOR INCLUDES 13
020-0014611	1	5350.00	4	21400.00 FOUNDATION CONCRETE SIGNAL 5' - 8" DIXIE PRECAST DPS-90
020-0052475	1	11.20	16	179.20 ARM EXTENSION 10-1/2" ALUM WITH 3/8" DIAMETER MOUNTING
020-0053066	1	3.94	4	15.76 BOND WEB OF RAIL TRACK CONNECTOR 3/16" DIA X 1" TAB
020-0053242	1	4.37	500	2185.00 CABLE UG 7 COND NO 6 AWG SOLID C CSX SPEC SS796 SHOW
020-0054073	1	238.43	4	953.72 BRACKET ASSY GATE ARM CONVERSION INCLS BRKT MTG
020-0054074	1	171.60	2	343.20 BRACKET CONVERSION GATE ARM W/HDW 4SS BOLTS NUTS AND
020-0054075	1	988.90	4	3955.60 GATE GARD NORMAL MOVEMENT COMPLETE WITH SHEAR PIN AND
020-0055421	1	18.61	4	74.44 BRACKET SIGN 4" OR 5" MAST W/1/2" U-BOLT FOR ALL SIGNS
020-0055425	1	78.93	8	631.44 BRACKET SIGN 12" MAST W/SPLIT BOLTS FOR ALL SIGNS REQUIRING
020-0056181	1	33.49	3	100.47 SIGN 0254 2 TRACK MULT TRK CSX DWG SS225 ALUM
020-0056421	1	18.61	2	37.22 BRACKET SIGN 4" AND 5" MAST FOR ALL SIGNS REQUIRING 5/8"
020-0056464	1	51.52	6	309.12 BRACKET SIGN 12" MAST W/SPLIT BOLTS FOR ALL SIGNS REQUIRING
020-0056499	1	4164.86	2	8329.72 SIGNAL 02288 GCWD GATE ASSY DWG SS222 INCLS 10'
020-0056642	1	4887.90	1	4887.90 SIGNAL 02242-L GCWD GATE ASSY DWG SS222 INCLS ADJ 29 TO 38
020-0056663	1	4888.87	4	19555.48 SIGNAL 02286-L GCWD GATE ASSY DWG SS222 INCL ADJ 29FT TO
020-0057275	1	0.96	1000	960.00 WIRE UG TRACK TWISTED PAIR NO. 6 AWG SOLID CONDUCTOR
020-0770060	1	13.44	1	13.44 ARRESTER US&S N451552-0201 TRACK SERIES RED LABEL USGA

Field Material List for CSX Project: FL2006103 (Effective: 08/21/2009)
Relocation and modification of existing warning devices and pedestrian gates.
West Palm Beach, FL - SX 970.40

Catalog Num	Cond	Unit Price	Qty	Cost Description
020-1040324	1	235.20	22	5174.40 BATTERY SAFT SPL250, 250 AH POCKET PLATE NICKEL CADMIUM
020-1040540	1	31.36	2	62.72 TRAY BATTERY FIBER CO 82687-1-P 12" WIDTH 24" LONG
020-1360014	1	780.89	1	780.89 PACKAGE FOREMANS CARE FOR ALUMINUM TYPICAL BOM FOR USE
020-1360016	1	21.18	1	21.18 PACKAGE SAFETY & SECURMENT WITH 1 EA CAUTION TAG 1 EA
020-2060060	1	532.00	10	5320.00 FOUNDATION CONCRETE SIGNAL 5' - 7" SECTIONAL PRECAST BOLT
020-2503077	1	356.16	3	1068.48 MODULE SAFETRAN ELECTRONIC BELL AND SENSOR UNIT
020-3263656	1	1.67	4	6.68 SLEEVE BONDSTRAND 3/16" TO 3/16" 100 PER BOX, NICOPRESS
020-3901895	1	92.68	8	741.44 TIP FLEX HWY CROSSING GATE 24 IN LONG RED & WHITE STRIPES
020-3930010	1	3.70	8	29.60 KIT GATE ARM WARNING STICKER KIT INCLUDES 1-EA 5"X3"
020-3932755	1	69.44	8	555.52 LEG BUFFER ASSEMBLY INCLUDES MOUNTING BRACKET & HARDWARE
020-4200340	1	1.65	134	221.10 LINK TEST ASSEMBLY 1" CENTERS COMPLETE WITH INSULATED
020-4200350	1	2.04	6	12.24 LINK TEST ASSEMBLY 2-3/8" CENTERS YELLOW INSULATOR ON
020-4200900	1	0.27	24	6.48 CONNECTOR SHEATHING AMP 329860 FOR NO. 14 WIRE
020-4201042	1	0.20	40	8.00 NUT HEX BINDING (RSA NUT) AAR 14.1.11-6 14-24 NS-2 THD CONE
020-4201043	1	0.18	250	45.00 NUT HEX CLAMP (FLAT NUT) AAR 14.1.11-7 14-24 NS-2 THD FLAT
020-4201044	1	0.10	200	20.00 WASHER AAR 14.1.11 ROUND COPPER NICKEL PLATED FOR AAR
020-8000067	1	14.61	14	204.54 LOCK AMERICAN H10SIGRA CSX SIGNAL PADLOCK WITH BLACK

Total Cost: \$ 239,288.27

Consumables List for CSX Project: FL2006103 (Effective: 08/21/2009)
Relocation and modification of existing warning devices and pedestrian gates.
West Palm Beach, FL - SX 970.40

<u>Catalog Num</u>	<u>Cond</u>	<u>Unit Price</u>	<u>Qty</u>	<u>Cost Description</u>
020-0017605	1	0.26	100	26.00 WIRE CASE 10 AWG FLEX CSX SPEC SS796 OKONITE
020-0017607	1	0.62	100	62.00 WIRE CASE TW PR NO 10 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017625	1	0.39	50	19.50 WIRE CASE TW PR NO 14 AWG FLEX CSX SPEC SS796 TWIST 2
020-0017630	1	0.12	100	12.00 WIRE CASE NO 16 AWG FLEX CSX SPEC SS796 FURN 1000 FT SPOOL
020-0028610	1	0.22	30	6.60 TERMINAL RING AMP 35628 YELLOW PLASTI-BOND HVY DUTY
020-1710045	1	3.13	600	1878.00 CONDUIT SDR 13.5 4" ORANGE POLYETHYLENE TRENCHLESS
020-3261970	1	9.41	2	18.82 DECAL ASSY 2" BLACK PRESSURE SENSITIVE VINYL PRE-MASKED
020-4200892	1	0.44	10	4.40 CONNECTOR TERMINAL 1" CENTERS AAR 14.1.15-3 NICKEL PLATED
020-4251190	1	0.13	50	6.50 TERMINAL RING AMP 35627 BLACK PLASTI-BOND WIRE SIZE 10-12
020-4251290	1	0.49	20	9.80 TERMINAL WIRE AMP 322051 BLUE WIRE SIZE NO 6 AWG 1/4" STUD
020-4251295	1	0.49	6	2.94 TERMINAL WIRE AMP 322007 BLUE WIRE SIZE NO 6 AWG 3/8" STUD
450-0019212	1	0.02	100	2.00 SCREW 10 X 1" SHT METAL PAN HD TYPE A COARSE THREAD
Total Cost: \$				2,048.56

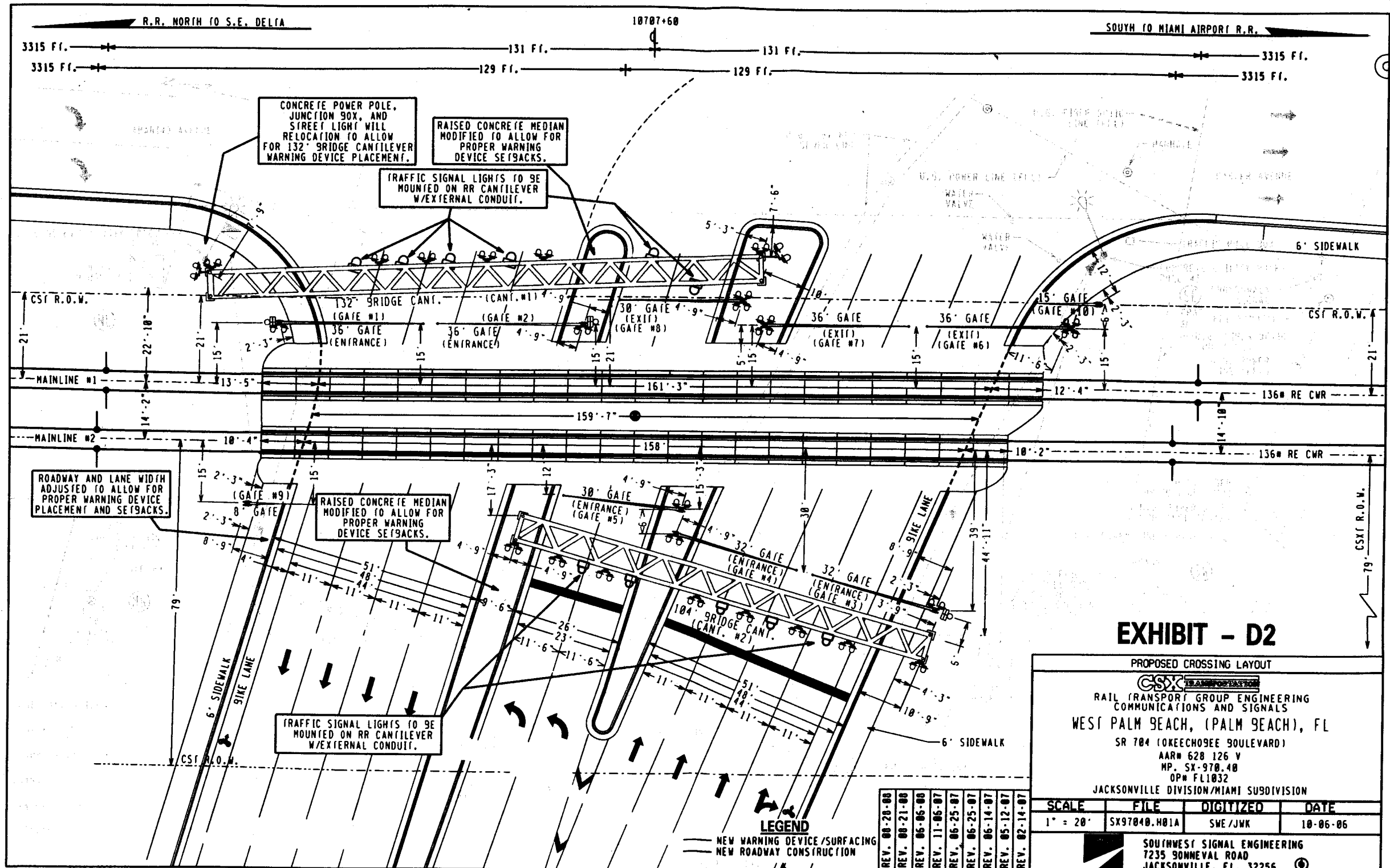


EXHIBIT - D2

PROPOSED CROSSING LAYOUT

CSX TRANSPORTATION

RAIL TRANSPORT GROUP ENGINEERING
COMMUNICATIONS AND SIGNALS
WEST PALM BEACH, (PALM BEACH), FL
SR 704 (OKEECHOOSEE BOULEVARD)
AARN 628 126 V
MP. SX-970.40
OP# FL1032
JACKSONVILLE DIVISION/MIAMI SUBDIVISION

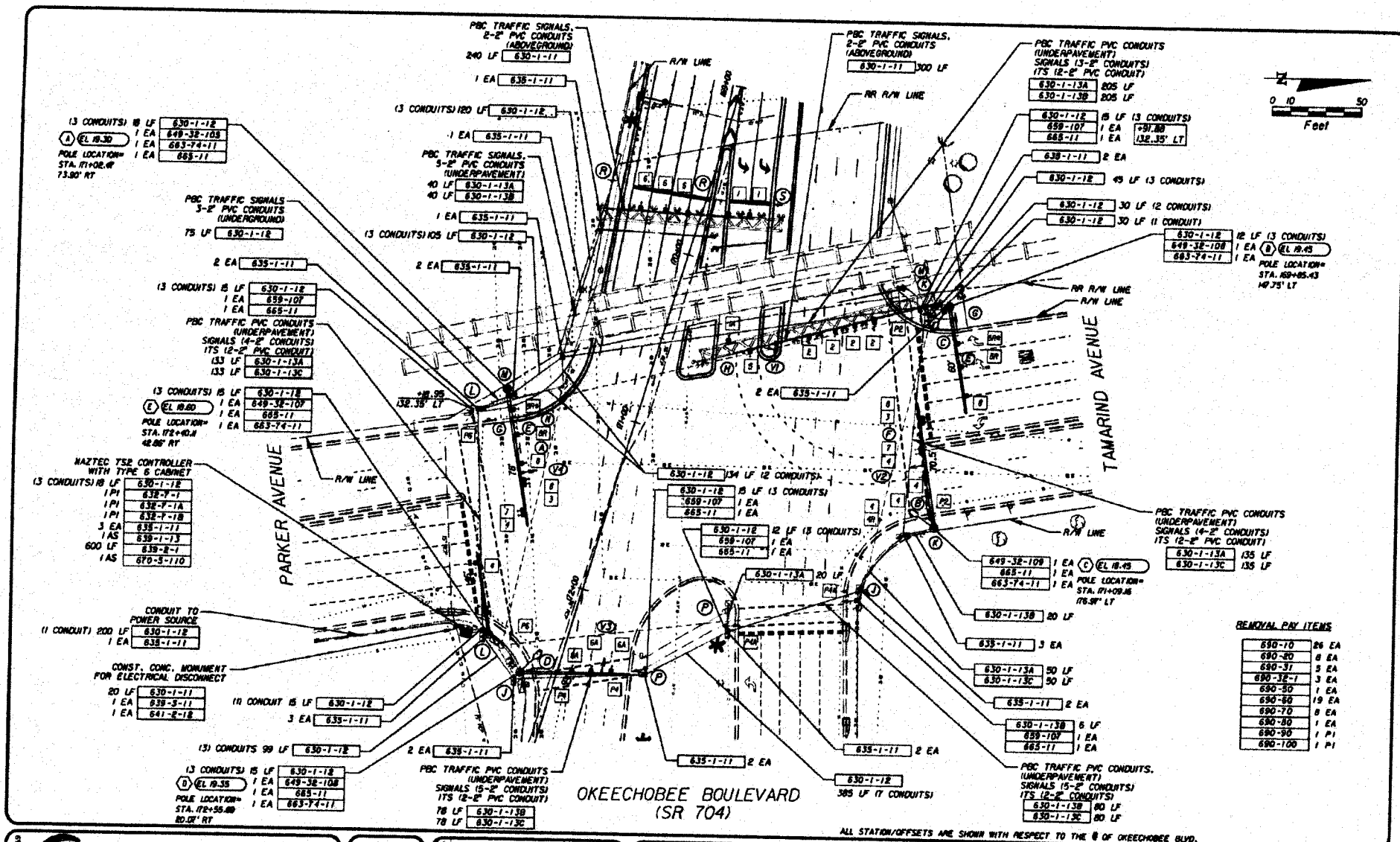
SCALE	FILE	DIGITIZED	DATE
1" = 20'	SX97040.H01A	SWE/JWK	10-06-06

SOUTHWEST SIGNAL ENGINEERING
7235 SONNEVAL ROAD
JACKSONVILLE, FL. 32256

LEGEND

- NEW WARNING DEVICE/SURFACING
- NEW ROADWAY CONSTRUCTION

REV. 00-20-00
REV. 00-21-00
REV. 06-06-00
REV. 11-06-07
REV. 06-25-07
REV. 06-25-07
REV. 06-14-07
REV. 05-12-07
REV. 02-14-07



REMOVAL PAY ITEMS

630-10	26 EA
630-30	8 EA
630-37	3 EA
630-32-1	3 EA
630-50	1 EA
630-60	19 EA
630-70	8 EA
630-80	1 EA
630-90	1 PI
630-100	1 PI

ALL STATION/OFFSETS ARE SHOWN WITH RESPECT TO THE # OF OKEECHOBEE BLVD.

ARCADIS U.S., INC.
 2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
 (561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
 P.O. BOX 21229
 WEST PALM BEACH, FLORIDA

SCALE: 1"=50'
 APPROVED: PA
 DRAWN: MF
 CHECKED: ZS
 DATE: 10/20/08
 FIELD BOOK NO.:

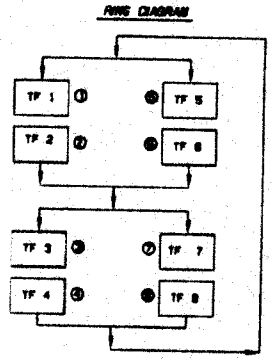
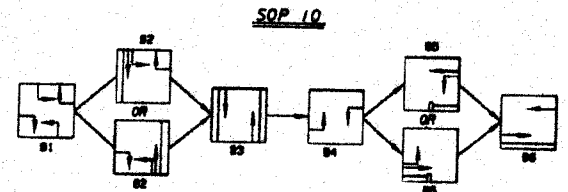
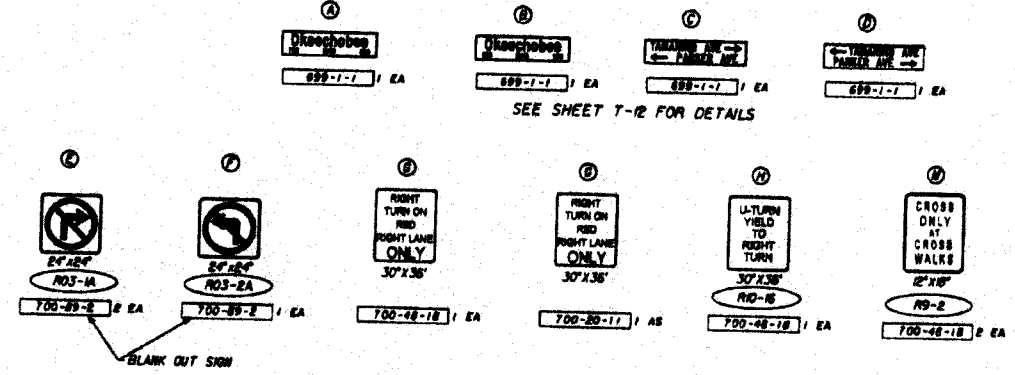
SIGNALIZATION PLAN
OKEECHOBEE BLVD AND
TAMARIND AVE/PARKER AVE
 (INTERSECTION NO. 27889)

SHEET: T-5
 OF: T-14
 ARCADIS PROJECT NO.:
 MOD142
 PBC PROJECT NO.:
 2008111

NOTES:

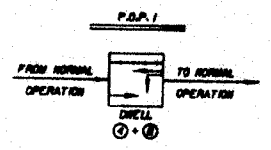
1. CONTROLLER OPERATIONS:
 - THE CONTROLLER SHALL OPERATE AS SIGNAL OPERATING PLAN 10 AND POP 1.
 - MAJOR STREET IS OKEECHOBEE BLVD AND MINOR STREET IS TAMARIND AVE/PARKER AVE.
 - THE CONTROLLER CABINET SHALL BE ORIENTED WITH THE DOOR OPENING TOWARDS THE RIGHT-OF-WAY, SO THE TECHNICIAN CAN VIEW THE ENTIRE INTERSECTION WHILE WORKING IN THE CABINET.
2. A DISCONNECT SWITCH SHALL BE MOUNTED ON CONCRETE POLE ON CONTROLLER CABINET CORNER.
3. FINAL SIGNAL TIMINGS AND COORDINATION PLANS ARE TO BE DETERMINED BY THE PALM BEACH COUNTY ENGINEERS REPRESENTATIVE.
4. SPEED LIMIT FOR OKEECHOBEE BLVD AND TAMARIND AVE/PARKER AVE IS 45 MPH.
5. INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS SHALL BE DOUBLE SIDED FREE-SWINGING SIGNS.

DETAIL OF SIGNS
NTS

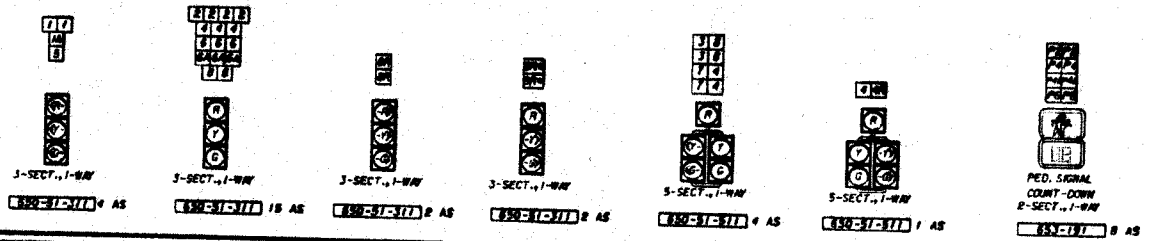


VIDEO DETECTOR CHART

DETECTOR NO.	MOVEMENTS
V-1	E, S
V-2	A, T, AR
V-3	L, B
V-4	S, B, BR



DETAIL OF SIGNAL HEADS
NTS



ARCADIS U.S., INC.
2081 VISTA PARKWAY, WEST PALM BEACH, FL 33411
(561) 697-7000, FAX (561) 697-7751

NO.	REVISION	BY	DATE

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
P.O. BOX 21229
WEST PALM BEACH, FLORIDA

SCALE: NTS
APPROVED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]
DATE: [Signature]
FIELD BOOK NO. [Signature]

SIGNALIZATION PLAN
OKEECHOBEE BLVD AND
TAMARIND AVE/PARKER AVE
(INTERSECTION NO. 27960)

SHEET: 1-6
OF: 7-14
ARCADIS PROJECT NO.: [Signature]
PBC PROJECT NO.: 2002111

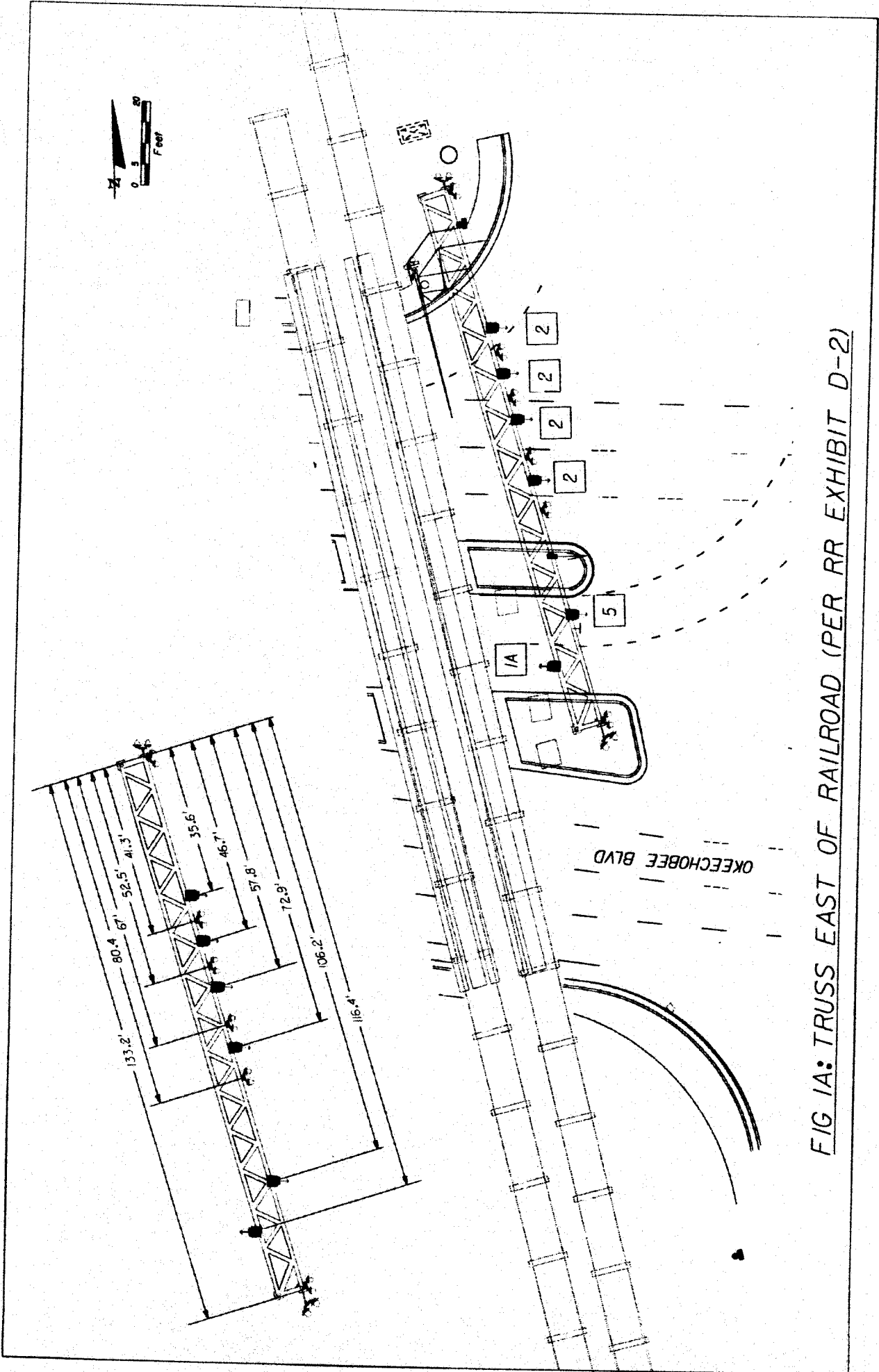


FIG 1A: TRUSS EAST OF RAILROAD (PER RR EXHIBIT D-2)

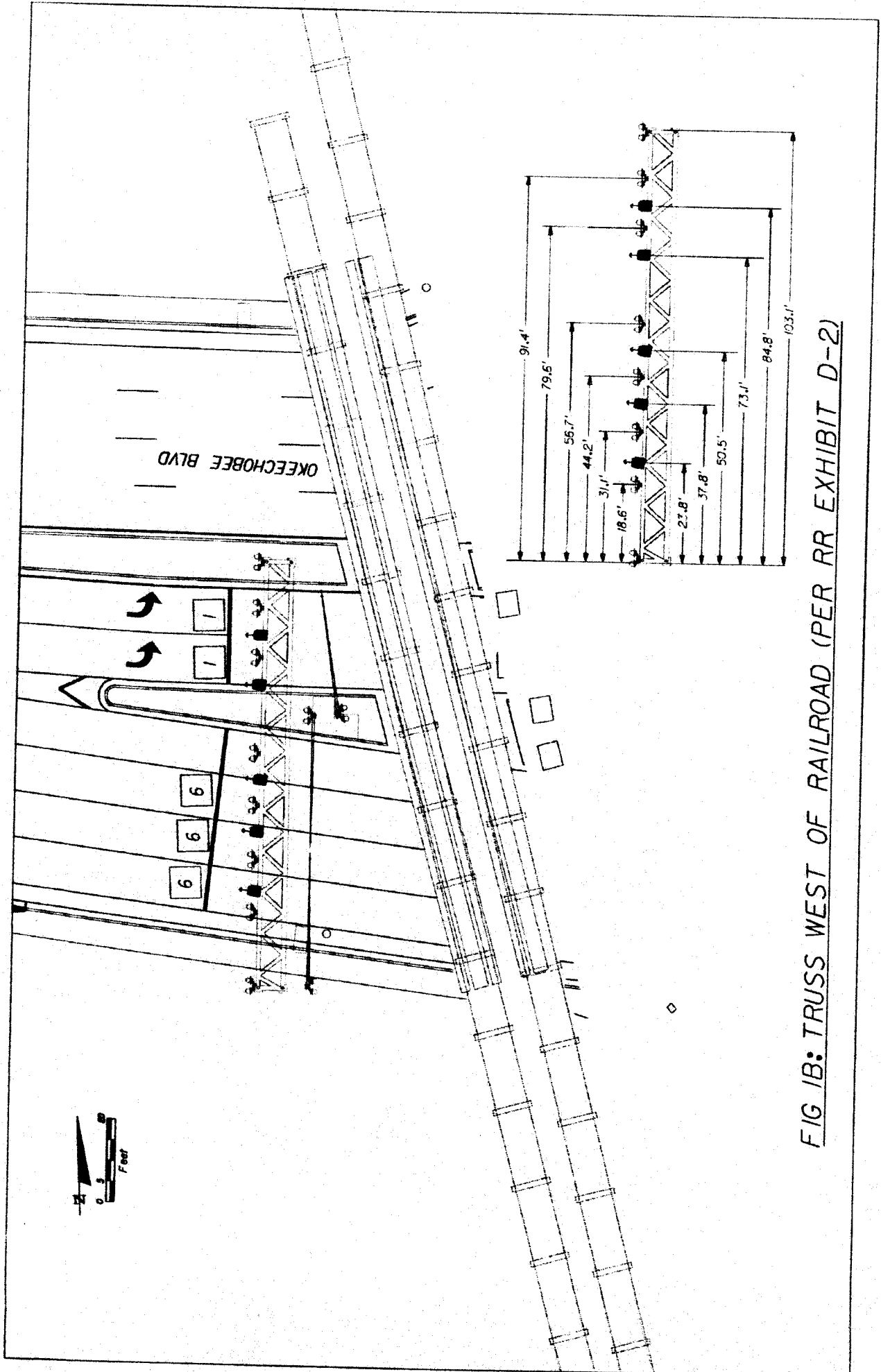


FIG 1B: TRUSS WEST OF RAILROAD (PER RR EXHIBIT D-2)

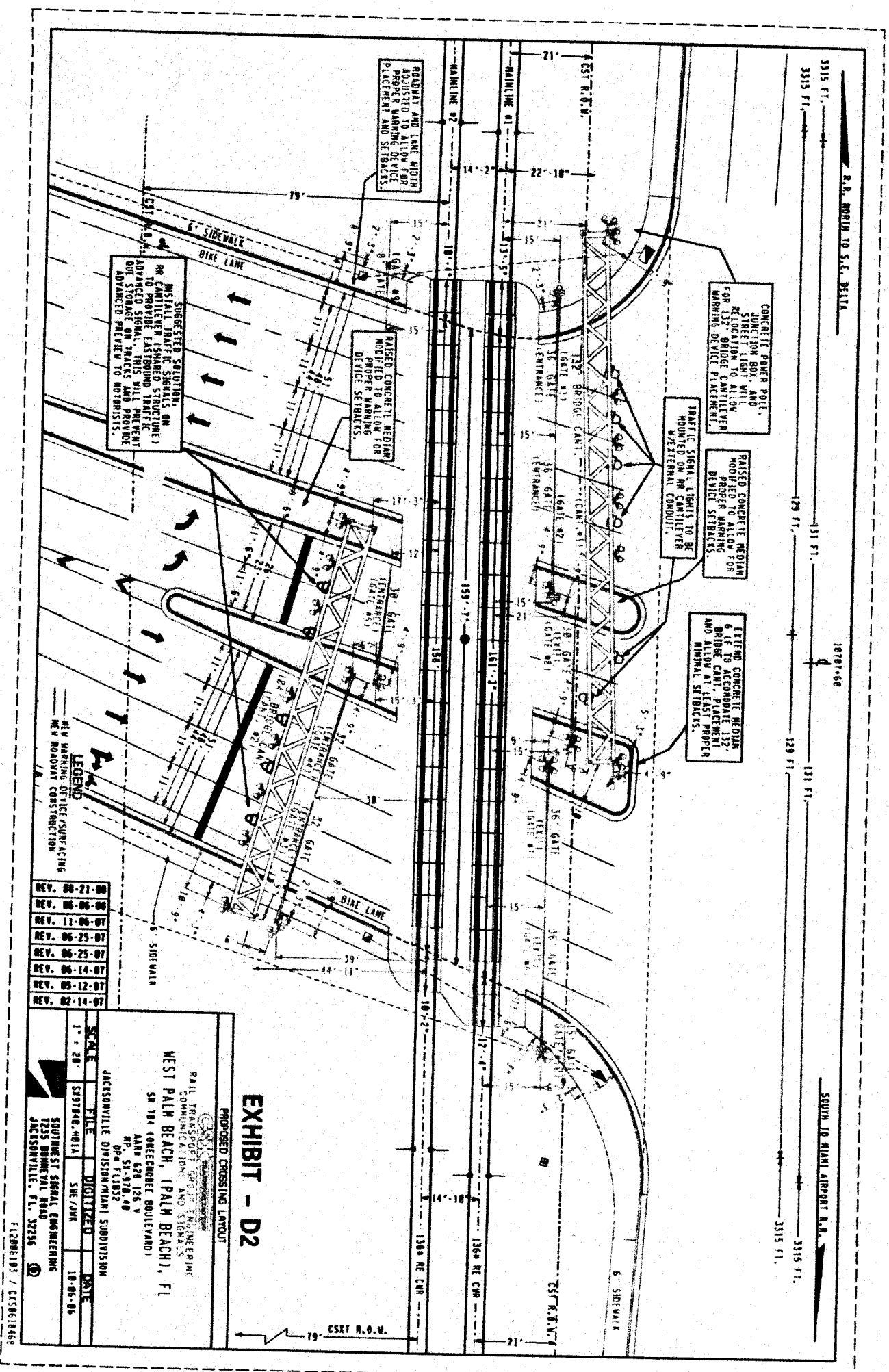


EXHIBIT - D2

PROPOSED CROSSING LAYOUT

RAIL TRAIL ENGINEERING COMMUNICATIONS AND SIGNALS

WEST PALM BEACH, (PALM BEACH), FL

SR 704 (FORESCOURT BOULEVARD)

APP. E28 126.5'

NO. 51 101.0'

OP. 51 101.0'

JACKSONVILLE DIVISION/MIAMI SUBDIVISION

SCALE	FILE	DOTTED	DATE
1" = 20'	5737446-001A	SHE-2/HR	10-06-06

SOUTHWEST SIGNAL ENGINEERING
7235 BOWNE VAL ROAD
JACKSONVILLE, FL 32235

FL2806183 / CS0618468

REV. 00-21-00
REV. 06-06-00
REV. 11-06-07
REV. 06-25-07
REV. 06-25-07
REV. 06-14-07
REV. 08-12-07
REV. 02-14-07

SIGNALIZATION OF OKEECHOBEE BLVD (SR 706) & TAMARIND AVE/PARKER AVE

PBC Project No.: 2002111

Table 1: Signal Indications for Signal Heads that will be Placed on the Railroad Trusses

Phase	Signal Head No.	No. of Heads	Signal Indication
1	1, 1A	3	Green Arrow
	2	4	Red
	5	1	Green Arrow
	6	3	Red
2A	1, 1A	3	Green Arrow
	2	4	Red
	5	1	Red Arrow
	6	3	Green
2B	1, 1A	3	Red Arrow
	2	4	Green
	5	1	Green Arrow
	6	3	Red
3	1, 1A	3	Red Arrow
	2	4	Green
	5	1	Red Arrow
	6	3	Green
4	1, 1A	3	Red Arrow
	2	4	Red
	5	1	Red Arrow
	6	3	Red
5A	1, 1A	3	Red Arrow
	2	4	Red
	5	1	Red Arrow
	6	3	Red
5B	1, 1A	3	Red Arrow
	2	4	Red
	5	1	Red Arrow
	6	3	Red
6	1, 1A	3	Red Arrow
	2	4	Red
	5	1	Red Arrow
	6	3	Red

Note: All signal heads are 3-section, 1-way signal heads.