

RESOLUTION RATIFYING MAINTENANCE AGREEMENTS

WHEREAS, on October 30, 1972, the Board of County Commissioners of Nassau County, Florida, accepted and entered into a maintenance agreement between THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, the COUNTY OF NASSAU, and GEORGIA SOUTHERN & FLORIDA RAILWAY COMPANY, copy of said agreement attached hereto and marked Exhibit "A", and also a maintenance agreement between THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, the COUNTY OF NASSAU, and SEABOARD COAST LINE RAILROAD COMPANY, copy of said agreement attached hereto and marked Exhibit "B", and

WHEREAS, this Board has determined it proper and to the best interest of all parties concerned that it confirm and ratify said maintenance agreements.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA, that said maintenance agreements be, and they are hereby accepted, and by copy of this Resolution and maintenance agreements attached, made a part of the official minutes of this Board.

ADOPTED, this 9th day of January, A. D. 1973.

BOARD OF COUNTY COMMISSIONERS OF
NASSAU COUNTY, FLORIDA.

By: David H. Buchanan
David H. Buchanan, As Its Chairman

ATTEST:

D. O. Oxley
D. O. Oxley, as Ex Officio Clerk

MEMORANDUM OF AGREEMENT

This Agreement, made and entered into this _____ day of _____, 1972, between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, an agency of the State of Florida, hereafter called the "Department"; the COUNTY OF NASSAU, a political subdivision of the State of Florida acting by and through its Board of County Commissioners, hereinafter referred to as the "County" (or the separate board or local agency exercising the powers and performing the duties relating to transportation facilities, roads and bridges usually exercised and performed by the Board of County Commissioners); and GEORGIA SOUTHERN & FLORIDA RAILWAY COMPANY, a corporation organized and existing under the laws of GEORGIA with its principal place of business in the City of ATLANTA, County of FULTON, State of GEORGIA, hereinafter called the "Company";

W I T N E S S E T H

WHEREAS, the Department and the Company have heretofore entered into railroad reimbursement agreement(s) pertaining to the railroad crossings located in NASSAU County described in detail in Exhibit A, attached hereto and made a part hereof; and

WHEREAS, the 1971 session of the Florida Legislature amended § 206.60(2)(b) to provide for the return to the counties that portion of the Seventh Cent Gasoline Tax which presently goes to the Department and assigned the responsibility for maintaining roads in the Secondary Road System to the County or to the separate board or local agency exercising the powers and performing the duties relating to transportation facilities, roads and bridges usually exercised and performed by the Board of County Commissioners; and

WHEREAS, § 335.041 of the Florida Statutes requires that the maintenance of the roads, streets or highways and municipal connections, lengths and extensions thereof constructed or reconstructed with funds accruing to the Division of Road Operations of the Department for use in the various counties for the Fifth, Sixth and Seventh Cent Gasoline Tax funds, shall be determined by a

EXHIBIT "A"

cooperative agreement between the Board of County Commissioners and the Division of Road Operations; and

WHEREAS, the Department and the County have heretofore on the 28th day of JUNE, 1971, entered into an agreement whereby the County undertook the maintenance of all roads within the county presently on the State Secondary Road System; and

WHEREAS, the parties desire that the Company provide suitable, safe and adequate crossing and signal maintenance work at the railroad crossings listed in Exhibit A and that the County rather than the Department reimburse the Company for such work as long as the County continues to be responsible for the maintenance of all roads within the county presently under the State Secondary Road System in accordance with the legislative intent expressed in § 206.60(2)(b) of the Florida Statutes;

NOW, THEREFORE, for and in consideration of the premises and of the mutual covenants contained herein, the parties agree as follows:

1. The Company shall be responsible for the maintenance costs of all trackbeds and rail components plus any highway roadbed for the width of the rail ties within the crossing area. The County shall be responsible for the maintenance costs of the highway roadbed outside of the railway ties. It is expressly understood and agreed that the Company may, at its option and upon notification to the County, perform such periodic maintenance work and bill the County directly for costs thus incurred that are the responsibility of the County.

2. Automatic crossing signals and/or other protective devices shall continue to be operated and maintained by the Company as long as said Company or their successor or assigns shall operate the automatic grade crossing signals and/or other protective devices, or until it is agreed between the parties hereto that the signals are no longer necessary at said grade crossing, or until the said crossing is abandoned, or other legal requirements made which shall cease operation and maintenance of signals thereat. The County will participate in the cost of maintaining the grade crossing protective devices that are the subject of this Agreement in the amount of fifty percent (50%) of the cost enumerated by the Schedule of Annual Cost of Automatic Highway Grade Crossing Protective Devices attached hereto and by this

reference made a part hereof as long as said devices are located on the State-Maintained Highway System. If the crossing protective devices installed and/or modified are no longer required at the point of installation they may be removed to another location, as agreed upon and at the expense of the parties hereto. The Company expressly agrees to indemnify and hold harmless the Department and/or the County against each and every claim, demand or cause of action that may be made or come against the Department and/or the County by reason of or any way arising out of any defect, imperfection, failure to repair, or failure to maintain, done, suffered, or permitted in or about such protective devices, and also every claim, demand or cause of action against said Department and/or County by reason of any liability that is or may be imposed on the Department and/or the County under the laws of this State because of its participation in the cost of such maintenance or because such crossing may be included within the State Highway System, on account of any such defect, imperfection, or failure to repair or maintain, done, suffered, or permitted in or about said crossing or crossing protective devices, or on account of any action or omission on the part of the Company in or about the same.

3. The County will bear the cost of all temporary and permanent changes made necessary in the Company's signal wire line or other facilities, and in the wire line facilities of the Western Union Telegraph Company on Company's right-of-way occasioned by future construction of said crossing and the occupancy of the Company's property.

4. All labor, services, material and equipment furnished by the Company in carrying out the work to be performed hereunder shall be billed by the Company directly to the County. 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 County.

5. It is specifically agreed by and between the County and the Company that the County shall receive fair and adequate credit for any salvage, which shall accrue to the Company as a result of the above adjustment work.

6. Should the use of said crossing be abandoned, then all rights hereby granted to Department and County shall thereupon cease

and terminate and the County will, as its sole cost and in a manner satisfactory to the Company, remove the crossing and restore Company's property to the condition previously found, provided the Company may, at its option, remove the said crossing and restore its property, and the County will, in such event, upon bill rendered, pay to the Company the entire cost incurred by it in such removal and restoration.

7. The Company covenants to indemnify, defend, save harmless and exonerate the Department and the County from all liability, claims and demands arising out of the work undertaken by the Company pursuant to this Agreement, due to the negligent actions, delays or omissions done or committed by the Company, its subcontractors, employees, agents or representatives; excepting, however, any loss, damage or injury arising out of or caused by the negligent actions, delays or omissions done or committed by the Department or the County, their subcontractors, employees, agents or representatives, which loss, damage or injury shall be borne by the Department and/or the County except as otherwise covered by bonds or insurance.

The parties agree, and by this Agreement do hereby terminate the agreement(s) entered into between the Department and the Company by which the Department undertook to reimburse the Company for maintenance of the railroad crossings listed in Exhibit A. It is expressly understood and agreed by the parties hereto that the responsibility undertaken by the Department in the agreement(s) terminated herein has been assumed as of October 1, 1971, by the County.

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

WITNESS:

As to the Department

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: _____
Director of Administration

ATTEST: _____ (SEAL)
Executive Secretary

WITNESS:

Margie Armstrong
As to the County

COUNTY NASSAU

BY: Jud Jones

ATTEST: W. A. O'Flynn (SEAL)

COMPANY GEORGIA SOUTHERN AND FLORIDA RAILWAY COMPANY

BY: _____
Vice President

ATTEST: _____ (SEAL)

As to the Company

Approved as to Form, Legality
and Execution
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

Examined and Approved _____
date

BY: _____
Assistant Attorney

Division Engineer
Federal Highway Administration

STATE OF FLORIDA



DEPARTMENT of TRANSPORTATION

Tallahassee, Florida 32304

WALTER L. REVELL Secretary
DIVISION DIRECTORS

Telephone, (904) 599-6321

REUBIN O'D. ASKEW
GOVERNOR

JAY W. BROWN Road Operations

..... Mass Transit Operations

RAY G. L'AMOREAUX Planning and Programming

TOM WEBB, JR. Administration

Division of Road Operations

September 28, 1972

Mr. J. W. Jones, Chairman
Board of County Commissioners
Nassau County Courthouse
Fernandina Beach, Florida 32034

Dear Sir:

SECONDARY ROAD MAINTENANCE - 335.041
RAILROAD CROSSINGS & CROSSING PROTECTIVE DEVICES

House Bill 1681 amended Section 206.60(2)(b) to provide for the return to the County of that portion of the seventh cent gas tax, formerly assigned to the Department; and additionally made possible the assignment of responsibility for maintaining roads on the Secondary System to the County. On the basis of this amendment and Statute 335.041, Nassau County executed an agreement(s) with the Department of Transportation on June 28, 1971, providing for this transfer of responsibility.

The enclosed tri-party agreement is to transfer former Department obligations at specified Seaboard Coast Line Railroad Company crossings to the County in keeping with the commitments already assumed pursuant to Legislative authorization. Your handling for execution of the enclosure by the County, thereafter returning all documents to this office will be appreciated. The County's fully executed counterpart will be furnished following final approval by the Railroad and the Department.

The crossings referred to in the enclosure have, in certain instances, already been involved with maintenance activities; therefore, your special handling at the earliest opportunity is most important.

Sincerely yours,

E. M. Salley, P. E.
State Utility Engineer

EMS/pm
Enclosure

- cc: Mr. Richard L. King, County Engineer, w/attached crossing list
- Mr. T. B. Hutcheson, Asst. Vice Pres., SCL, w/attached crossing list
- Mr. Jeff Dobson, General Counsel
- Mr. J. D. Ward, District Engineer
- Attention: District Utility Engineer, w/crossing list

EXHIBIT "B"

MEMORANDUM OF AGREEMENT

This Agreement, made and entered into this _____ day of _____, 1972, between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, an agency of the State of Florida, hereafter called the "Department"; the COUNTY OF NASSAU, a political subdivision of the State of Florida acting by and through its Board of County Commissioners, hereinafter referred to as the "County" (or the separate board or local agency exercising the powers and performing the duties relating to transportation facilities, roads and bridges usually exercised and performed by the Board of County Commissioners); and SEABOARD COAST LINE RAILROAD COMPANY, 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 the "Company";

W I T N E S S E T H

WHEREAS, the Department and the Company have heretofore entered into railroad reimbursement agreement(s) pertaining to the railroad crossings located in NASSAU County described in detail in Exhibit A, attached hereto and made a part hereof; and

WHEREAS, the 1971 session of the Florida Legislature amended § 206.60(2)(b) to provide for the return to the counties that portion of the Seventh Cent Gasoline Tax which presently goes to the Department and assigned the responsibility for maintaining roads in the Secondary Road System to the County or to the separate board or local agency exercising the powers and performing the duties relating to transportation facilities, roads and bridges usually exercised and performed by the Board of County Commissioners; and

WHEREAS, § 335.041 of the Florida Statutes requires that the maintenance of the roads, streets or highways and municipal connections, lengths and extensions thereof constructed or reconstructed with funds accruing to the Division of Road Operations of the Department for use in the various counties for the Fifth, Sixth and Seventh Cent Gasoline Tax funds, shall be determined by a

EXHIBIT "B"

cooperative agreement between the Board of County Commissioners and the Division of Road Operations; and

WHEREAS, the Department and the County have heretofore on the 28th day of JUNE, 1971, entered into an agreement whereby the County undertook the maintenance of all roads within the county presently on the State Secondary Road System; and

WHEREAS, the parties desire that the Company provide suitable, safe and adequate crossing and signal maintenance work at the railroad crossings listed in Exhibit A and that the County rather than the Department reimburse the Company for such work as long as the County continues to be responsible for the maintenance of all roads within the county presently under the State Secondary Road System in accordance with the legislative intent expressed in § 206.60(2)(b) of the Florida Statutes;

NOW, THEREFORE, for and in consideration of the premises and of the mutual covenants contained herein, the parties agree as follows:

1. The Company shall be responsible for the maintenance costs of all trackbeds and rail components plus any highway roadbed for the width of the rail ties within the crossing area. The County shall be responsible for the maintenance costs of the highway roadbed outside of the railway ties. It is expressly understood and agreed that the Company may, at its option and upon notification to the County, perform such periodic maintenance work and bill the County directly for costs thus incurred that are the responsibility of the County.

2. Automatic crossing signals and/or other protective devices shall continue to be operated and maintained by the Company as long as said Company or their successor or assigns shall operate the automatic grade crossing signals and/or other protective devices, or until it is agreed between the parties hereto that the signals are no longer necessary at said grade crossing, or until the said crossing is abandoned, or other legal requirements made which shall cease operation and maintenance of signals thereat. The County will participate in the cost of maintaining the grade crossing protective devices that are the subject of this Agreement in the amount of fifty percent (50%) of the cost enumerated by the Schedule of Annual Cost of Automatic Highway Grade Crossing Protective Devices attached hereto and by this

reference made a part hereof as long as said devices are located on the State-Maintained Highway System. If the crossing protective devices installed and/or modified are no longer required at the point of installation they may be removed to another location, as agreed upon and at the expense of the parties hereto. The Company expressly agrees to indemnify and hold harmless the Department and/or the County against each and every claim, demand or cause of action that may be made or come against the Department and/or the County by reason of or any way arising out of any defect, imperfection, failure to repair, or failure to maintain, done, suffered, or permitted in or about such protective devices, and also every claim, demand or cause of action against said Department and/or County by reason of any liability that is or may be imposed on the Department and/or the County under the laws of this State because of its participation in the cost of such maintenance or because such crossing may be included within the State Highway System, on account of any such defect, imperfection, or failure to repair or maintain, done, suffered, or permitted in or about said crossing or crossing protective devices, or on account of any action or omission on the part of the Company in or about the same.

3. The County will bear the cost of all temporary and permanent changes made necessary in the Company's signal wire line or other facilities, and in the wire line facilities of the Western Union Telegraph Company on Company's right-of-way occasioned by future construction of said crossing and the occupancy of the Company's property.

4. All labor, services, material and equipment furnished by the Company in carrying out the work to be performed hereunder shall be billed by the Company directly to the County. 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 County.

5. It is specifically agreed by and between the County and the Company that the County shall receive fair and adequate credit for any salvage, which shall accrue to the Company as a result of the above adjustment work.

6. Should the use of said crossing be abandoned, then all rights hereby granted to Department and County shall thereupon cease

and terminate and the County will, as its sole cost and in a manner satisfactory to the Company, remove the crossing and restore Company's property to the condition previously found, provided the Company may, at its option, remove the said crossing and restore its property, and the County will, in such event, upon bill rendered, pay to the Company the entire cost incurred by it in such removal and restoration.

7. The Company covenants to indemnify, defend, save harmless and exonerate the Department and the County from all liability, claims and demands arising out of the work undertaken by the Company pursuant to this Agreement, due to the negligent actions, delays or omissions done or committed by the Company, its subcontractors, employees, agents or representatives; excepting, however, any loss, damage or injury arising out of or caused by the negligent actions, delays or omissions done or committed by the Department or the County, their subcontractors, employees, agents or representatives, which loss, damage or injury shall be borne by the Department and/or the County except as otherwise covered by bonds or insurance.

The parties agree, and by this Agreement do hereby terminate the agreement(s) entered into between the Department and the Company by which the Department undertook to reimburse the Company for maintenance of the railroad crossings listed in Exhibit A. It is expressly understood and agreed by the parties hereto that the responsibility undertaken by the Department in the agreement(s) terminated herein has been assumed as of October 1, 1971, by the County.

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

WITNESS:

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: _____
Director of Administration

As to the Department

ATTEST: _____ (SEAL)
Executive Secretary

WITNESS:

[Signature]
Margie Armstrong
As to the County

COUNTY NASSAU

BY: [Signature]

ATTEST: [Signature] (SEAL)

SEABOARD COAST LINE RAILROAD
COMPANY COMPANY

BY: _____
Vice President

ATTEST: _____ (SEAL)

As to the Company

Approved as to Form, Legality
and Execution
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

Examined and Approved _____
date

BY: _____
Assistant Attorney

Division Engineer
Federal Highway Administration

RAIL-HIGHWAY GRADE CROSSINGS
ON SECONDARY ROADS MAINTAINED IN COUNTIES

SEABOARD COAST LINE RAILROAD COMPANY

NASSAU COUNTY

County Section	S. R. No.	S. L. D. M. P.	R. R. M. P.
74501	S-15-A	00.008	661.00
74510	108	10.554	624.00
74520	108	08.337	614.00
74520	108	22.002	032.00
74520	108	24.811	607.47
74540	107	00.261	040.00
74550	121	33.985	608.21
74570	115	16.277	624.00
74590	119	05.730	007.00
74600	S-200-A	00.384	036.00
74600	S-200-A	04.479	039.00

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
DIVISION OF ROAD OPERATIONS
RAILROAD GRADE CROSSING PROTECTIVE DEVICES

COUNTY	SECTION	UTILITY JOB NO.	STATE ROAD NO.	COUNTY NAME	PARCEL & R/W JOB NO.	F A P NO.
AGENCY						

- A. JOB DESCRIPTION: _____
- B. TYPE OF ROADWAY FACILITY: _____
- C. RAILROAD MILE POST TIE: _____ DOT STA./SLD M.P. _____
- D. TYPE CROSSING PROPOSED: _____ INDEX: _____
- E. CLASSIFICATION CROSSING PROTECTIVE DEVICES: CLASS _____

SCHEDULE OF ANNUAL COST OF AUTOMATIC
HIGHWAY GRADE CROSSING PROTECTIVE DEVICES

Annual Maintenance Cost Exclusive of Installation

<u>CLASS</u>	<u>DESCRIPTION</u>	<u>COST*</u>
I	Flashing Signals - One Track	\$ 650.00
II	Flashing Signals - Multiple Tracks	\$ 860.00
III	Flashing Signals and Gates - One Track	\$ 980.00
IV	Flashing Signals and Gates - Multiple Tracks	\$1,230.00

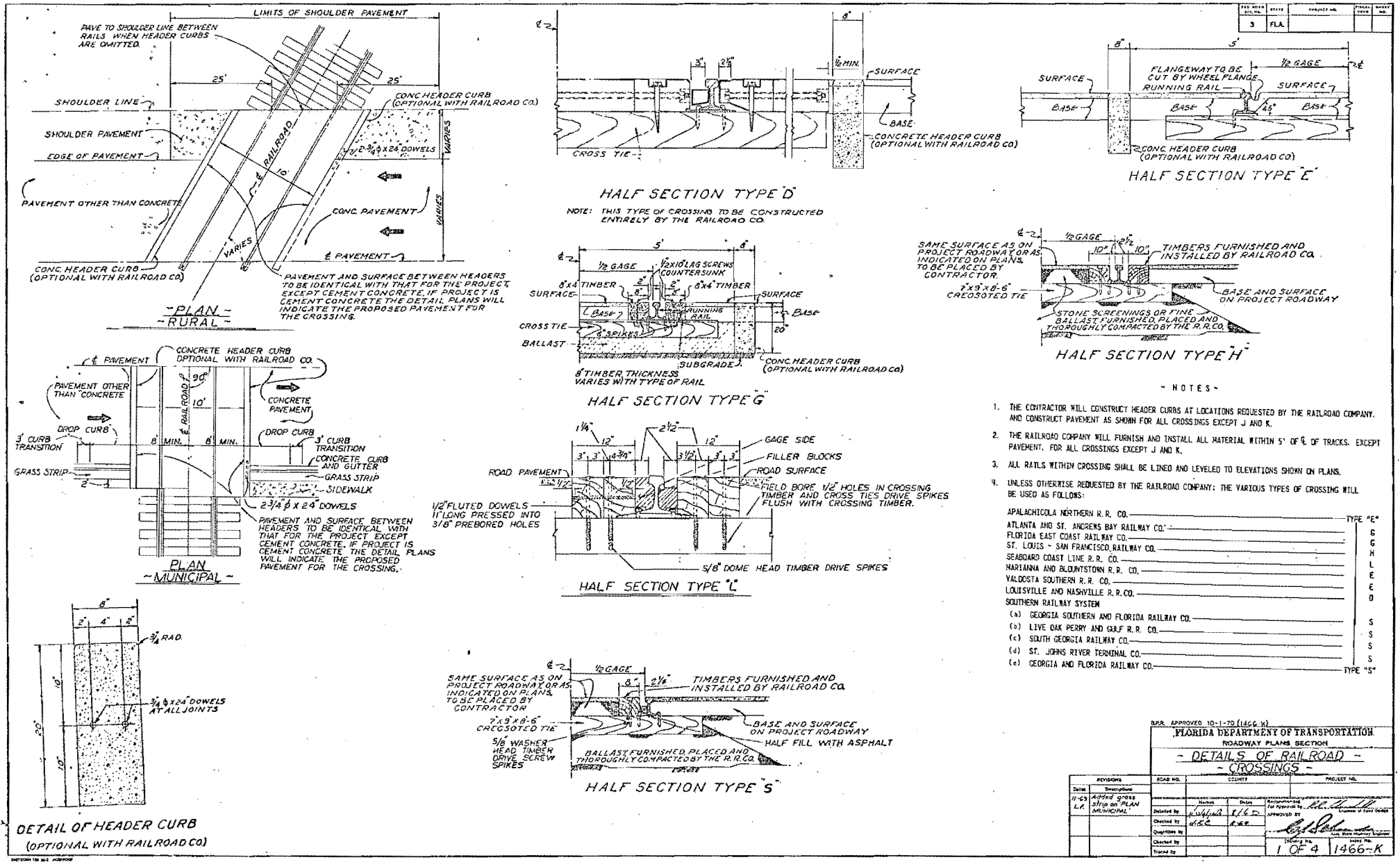
*Effective February 3, 1971

AUTHORITY: FLORIDA ADMINISTRATIVE RULE 014-46.02
Responsibility for the Cost of Automatic Highway
Grade Crossing Protective Devices.

EFFECTIVE DATE: February 3, 1971

GENERAL AUTHORITY: 20.05, F.S.

SPECIFIC LAW IMPLEMENTED: 338.21, F.S.



FILE NO.	DATE	PROJECT NO.	SCALE
3	FLA		

NOTES

- THE CONTRACTOR WILL CONSTRUCT HEADER CURBS AT LOCATIONS REQUESTED BY THE RAILROAD COMPANY, AND CONSTRUCT PAVEMENT AS SHOWN FOR ALL CROSSINGS EXCEPT J AND K.
 - THE RAILROAD COMPANY WILL FURNISH AND INSTALL ALL MATERIAL WITHIN 5' OF TRACKS, EXCEPT PAVEMENT, FOR ALL CROSSINGS EXCEPT J AND K.
 - ALL RAILS WITHIN CROSSING SHALL BE LINED AND LEVELED TO ELEVATIONS SHOWN ON PLANS.
 - UNLESS OTHERWISE REQUESTED BY THE RAILROAD COMPANY, THE VARIOUS TYPES OF CROSSING WILL BE USED AS FOLLOWS:
- | | |
|--|----------|
| APALACHICOLA NORTHERN R.R. CO. | TYPE "E" |
| ATLANTA AND ST. ANDREWS BAY RAILWAY CO. | G |
| FLORIDA EAST COAST RAILWAY CO. | H |
| ST. LOUIS - SAN FRANCISCO RAILWAY CO. | L |
| SEABOARD COAST LINE R.R. CO. | E |
| MARTINA AND BLOUNTSBORO R.R. CO. | E |
| VALDOSTA SOUTHERN R.R. CO. | D |
| LOUISVILLE AND NASHVILLE R.R. CO. | D |
| SOUTHERN RAILWAY SYSTEM | |
| (a) GEORGIA SOUTHERN AND FLORIDA RAILWAY CO. | S |
| (b) LIVE OAK PERRY AND GULF R.R. CO. | S |
| (c) SOUTH GEORGIA RAILWAY CO. | S |
| (d) ST. JOHNS RIVER TERMINAL CO. | S |
| (e) GEORGIA AND FLORIDA RAILWAY CO. | TYPE "S" |

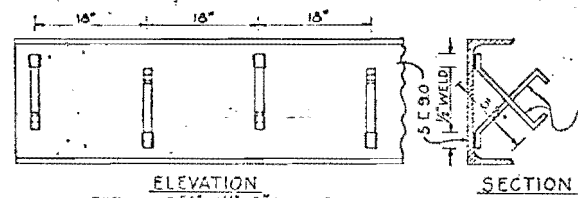
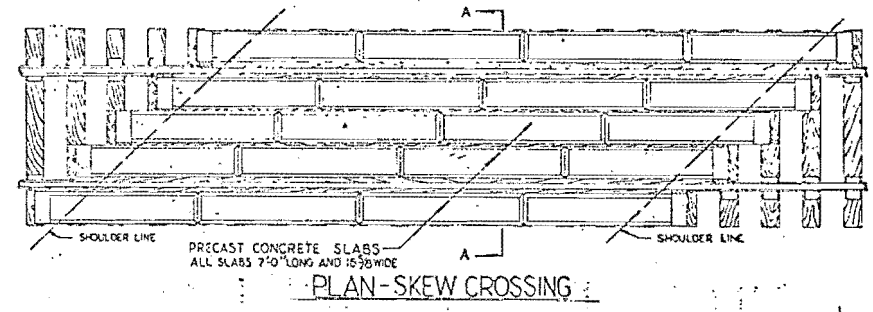
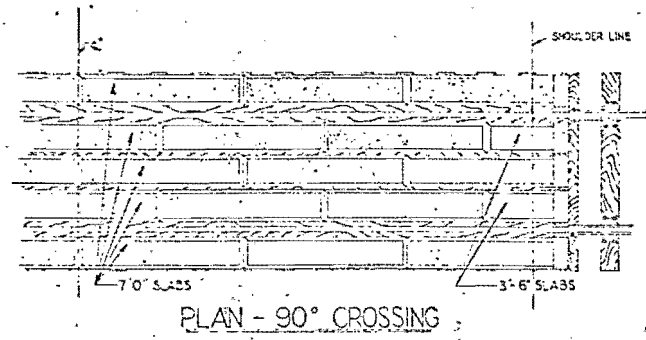
BAR. APPROVED 10-1-70 (466-1)

FLORIDA DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS SECTION
- DETAILS OF RAILROAD -
- CROSSINGS -

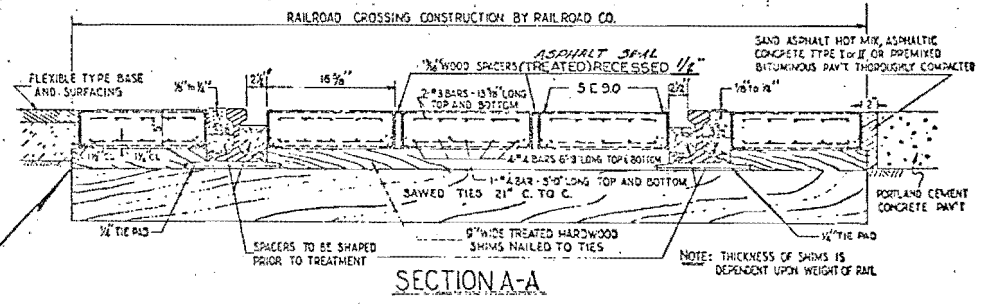
DATE	DESCRIPTION	BY	CHECKED BY	PROJECT NO.
11-29	Added cross strip on PLAN MUNICIPAL.	W. J.	

1 OF 4 1466-K

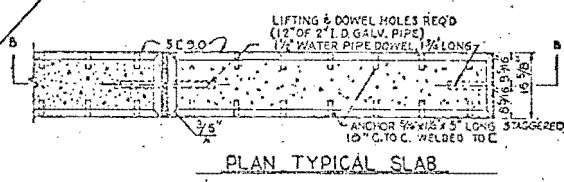
3	FLA.		
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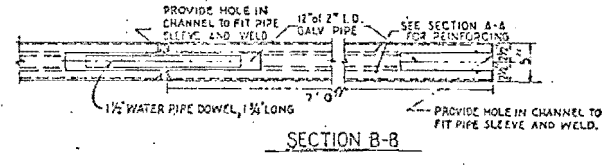
ELEVATION
 DETAIL OF 5/8" x 1 1/2" x 5" ANCHORS
 ANCHORS STAGGERED 18" C. TO C.
 TWO ANCHORS EACH END CHANNEL
 NOTE: 1/2" x 5" STUDS MAY BE USED
 IN LIEU OF ANCHORS.



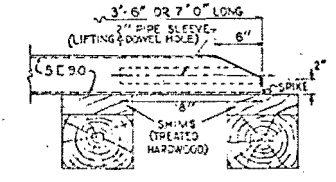
SECTION A-A



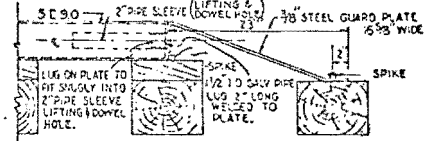
PLAN TYPICAL SLAB



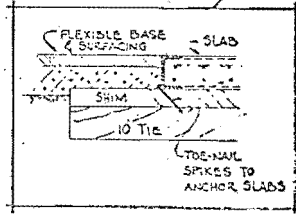
SECTION B-B



BEVELED END SECTION



ALTERNATE END SECTION



OPTIONAL DETAIL WHEN 10\"/>

~ DETAILS OF RAILROAD CROSSING TYPE "J" ~

- NOTES**
1. SPACERS ADJACENT TO RAIL TO BE DENSE STRUCTURAL GR. GRADE.
 2. SPACERS BETWEEN SLABS TO BE 1/4\"/>

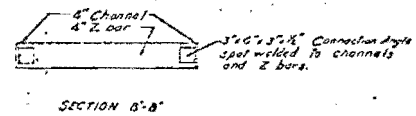
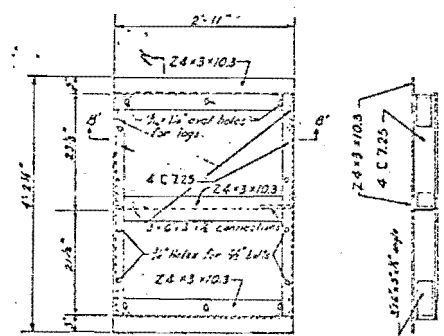
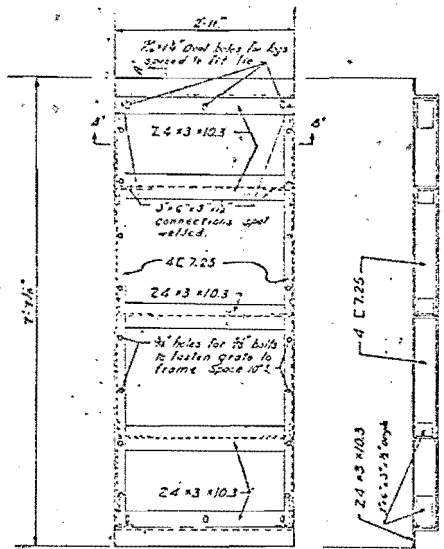
APPROVED 1-18-70 (1466-K)

FLORIDA DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS SECTION

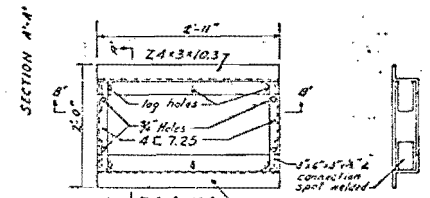
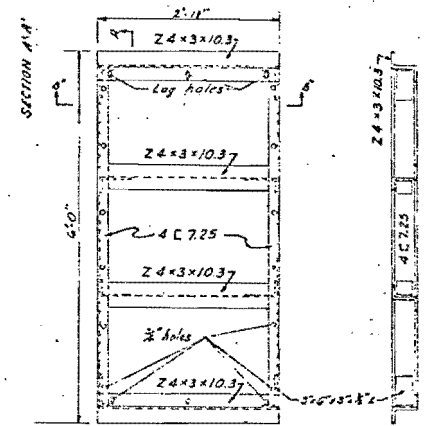
RAILROAD CROSSING TYPE - J

DATE	DESCRIPTION	ROAD NO.	COUNTY	PROJECT NO.
8/78	Design & to C			
1/69	Revised (per)			
	Checked by			
	Designed by			
	Drawn by			
	Reviewed by			
	Approved by			

2 OF 4 1466-K



FRAME DETAILS
Scale: 1/4" = 1'-0"

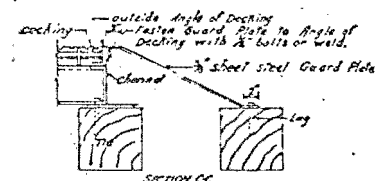
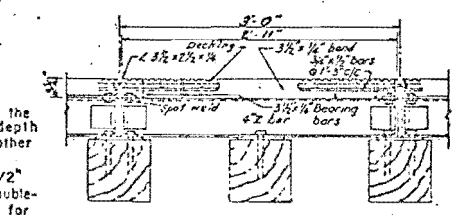
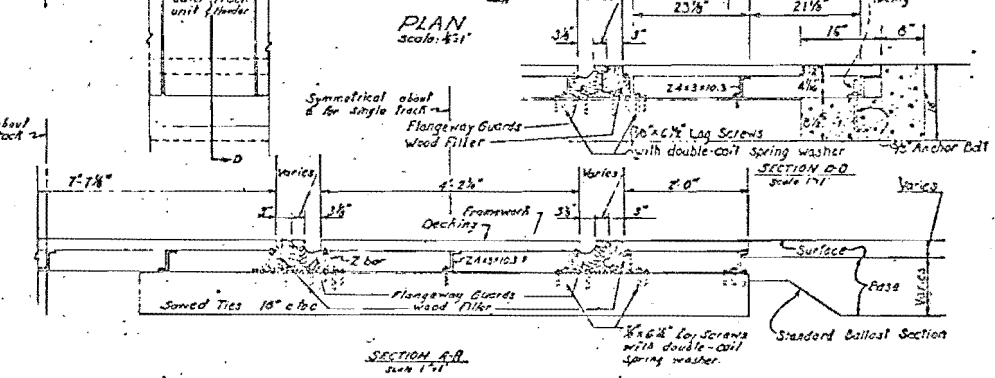
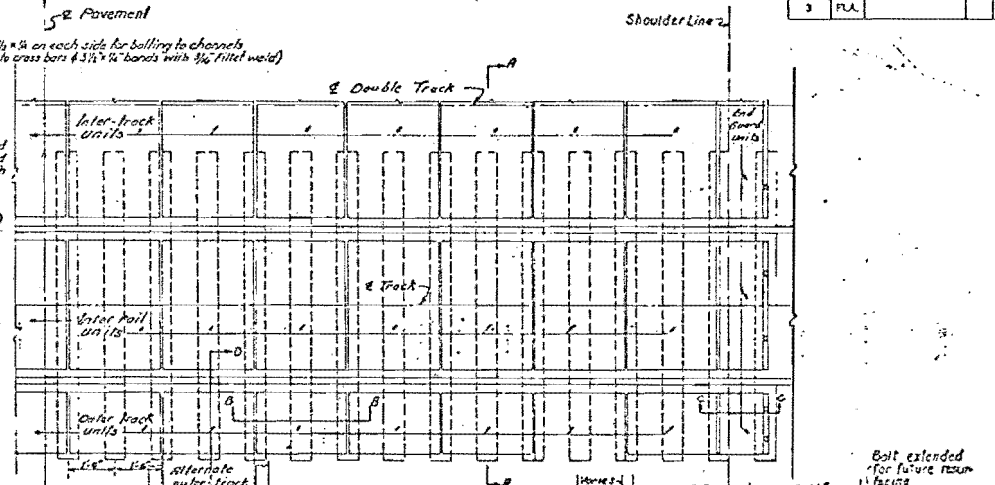
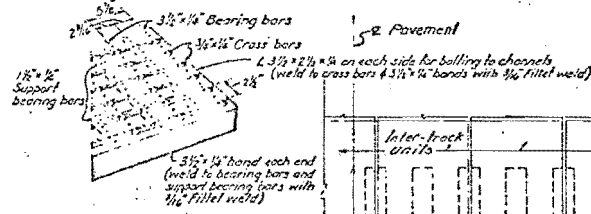


PLAN ALTERNATE OUTER-TRACK UNIT

PLAN OUTER TRACK UNIT

GENERAL NOTES

1. This drawing is based on using 131st rail on a tangent section and Decking fabricated in sections to fit the corresponding sections of the supporting frame. The depth of the Z bars and channels may be varied to fit other rail sections.
2. The framework units are attached to ties by 7/8"x6 1/2" lag screws, and to Headwall by 5/8" anchor bolts. Double-coil spring washers are used with logs to compensate for vertical motion.
3. The decking is attached to the framework with 5/8" bolts. The head of the bolt is to be spot welded to the underside of the channel flange.
4. Flangeway and outside filter timbers to be rabbeted to assure close fit prior to treatment.
5. Ties to be sawed and spaced 18" C to C.
6. Crossing of any angle can be equipped with units of either 45°, 67°, 30° or 90°.
7. Decking may be as shown or equal (Submit shop drawings for approval by the Engineer).

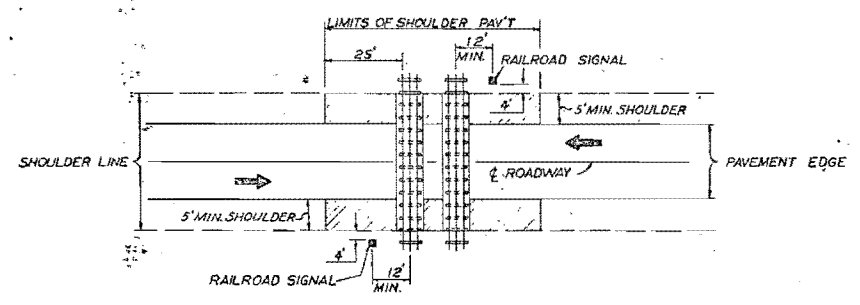


APPROVED: [Signature]
FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY PLANS SECTION
RAILROAD CROSSING TYPE-M

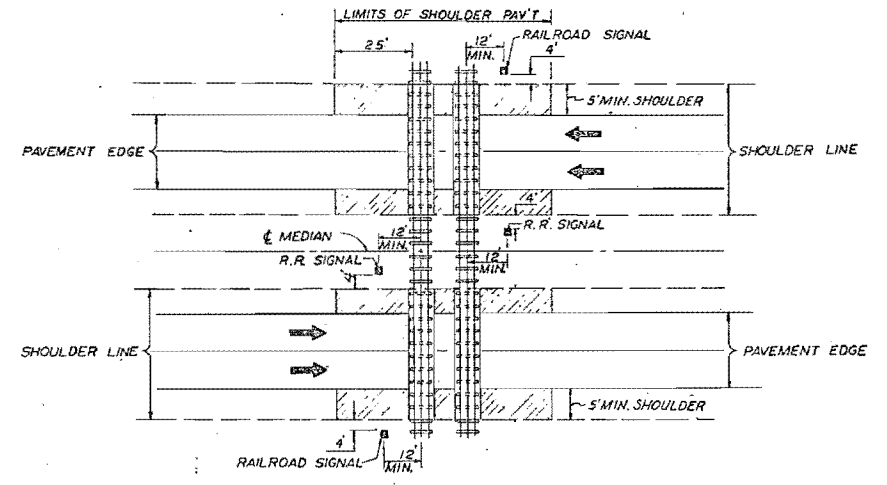
REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
4/10 Changed type of Decking			
Checked by: [Signature]			
Designed by: [Signature]			
Drawn by: [Signature]			
Scale: 1/4" = 1'-0"			

4 OF 4 1456-K

FID. ROAD DIST. No.	STATE	PROJECT No.	FISCAL YEAR	SHEET No.
1	FLA.			



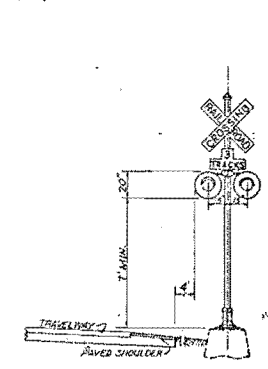
SIGNAL PLACEMENT AT RAILROAD CROSSING (2-LANE DESIGN)



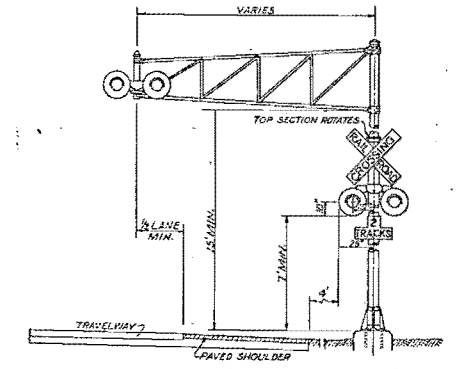
SIGNAL PLACEMENT AT RAILROAD CROSSING (4-LANE DESIGN)

GENERAL NOTES:

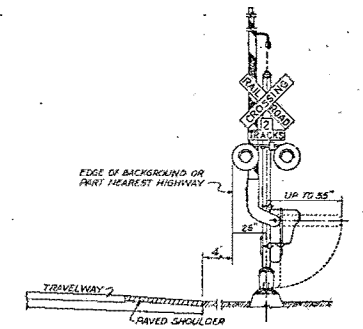
- No guardrail is proposed for signals; however if high exposure locations consideration of some form of impact attenuation device may be appropriate.
- Advance flasher to be installed when and if called for in plans or specifications at location and distance specified.
- Top of railroad signal foundation to be 6" above crown of highway.
- TYPE of Protective Devices:
 - I Flashing Signals
 - II Flashing Signals with Contilever
 - III Flashing Signals with Gates
 - IV Flashing Signals with Contilever and Gates
 - V Gates
- CLASS of Protective Devices:
 - I Flashing Signals - One Track
 - II Flashing Signals - Multiple Tracks
 - III Flashing Signals and Gates - One Track
 - IV Flashing Signals and Gates - Multiple Tracks



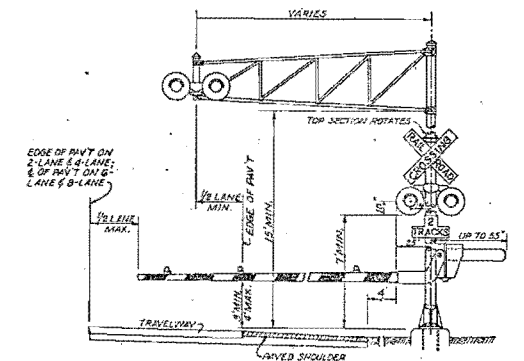
TYPE I



TYPE II



TYPE III

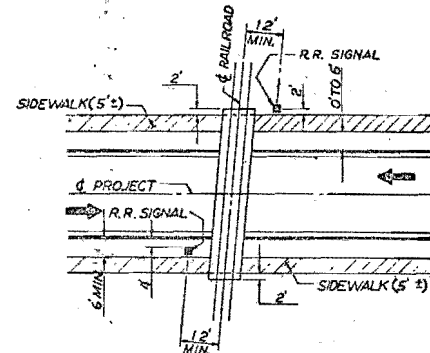


TYPE IV

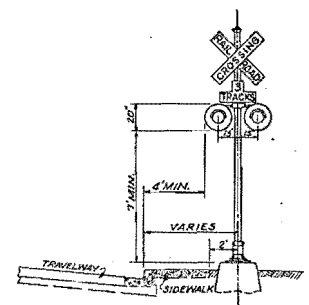
RURAL TWO-LANE AND MULTILANE

FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY PLANS SECTION			
RAILROAD CROSSING PROTECTIVE DEVICES			
REVISED		ROAD NO.	PROJECT NO.
Date	Description	COUNTY	
Designed by	Checked by	Names	DATE
L.H.F.			Nov. 1971
Checked by	Checked by	APPROVED BY	
		R.R. Chenestiff	
Drawn No.	Index No.	State Dept. Trans.	
1 OF 3	1467-A		

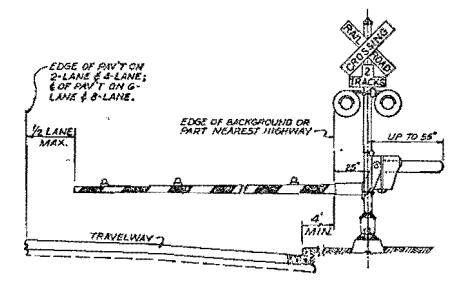
FHWA APPROVED: 1-26-78 (1467)



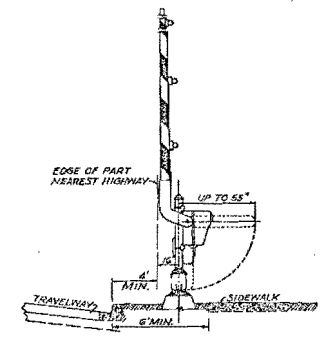
SIGNAL PLACEMENT AT RAILROAD CROSSING
(2 LANE CURB AND GUTTER)



TYPE I



TYPE III

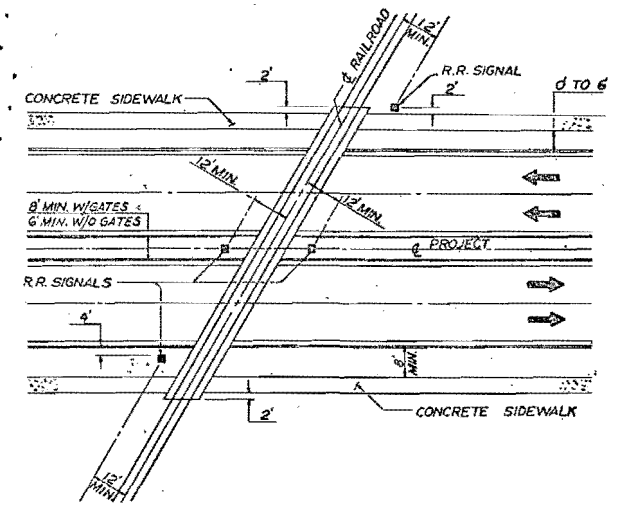


TYPE V

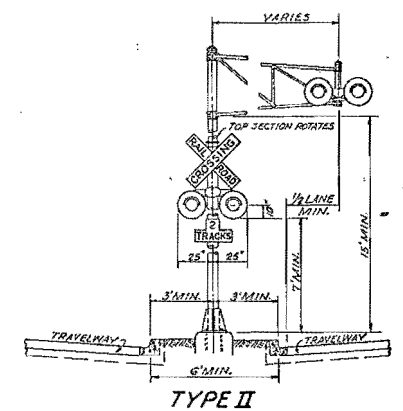
MUNICIPAL TWO-LANE

FLORIDA DEPARTMENT OF TRANSPORTATION
ROADWAY PLANS SECTION
**RAILROAD CROSSING
PROTECTIVE DEVICES**

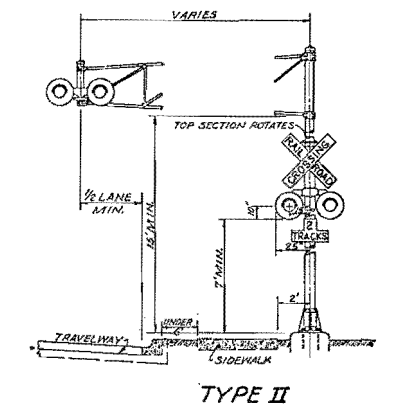
DATE		REVISIONS	ROAD NO.	COUNTY	PROJECT NO.
DESIGNED BY	NAME	DATE	APPROVED BY		
CHECKED BY			RR Chen-shell		
CHECKED BY			COUNTY		
CHECKED BY			STATE ROAD DIST. NO.		
SUPERSEDED BY			DRAWING NO. 2 OF 3 INDEX NO. 1467-A		



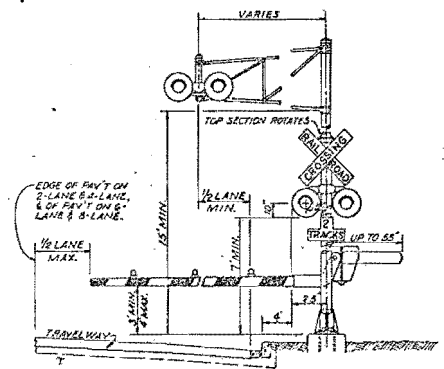
**SIGNAL PLACEMENT AT RAILROAD CROSSING
(4 LANE CURB AND GUTTER)**



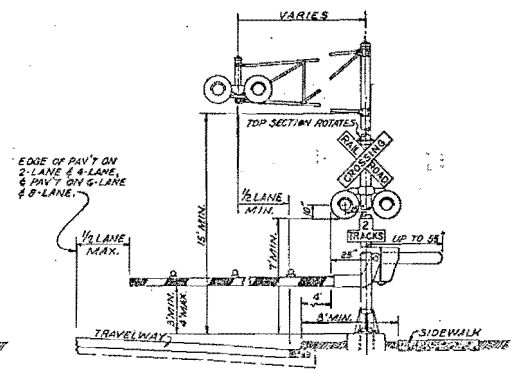
TYPE II



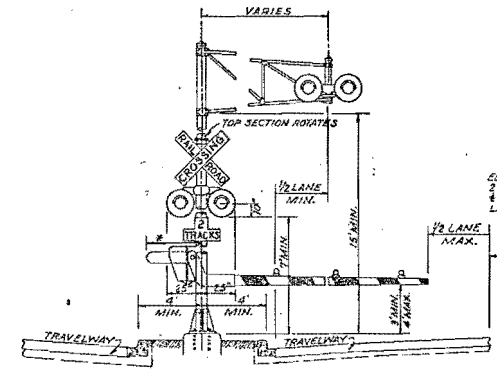
TYPE II



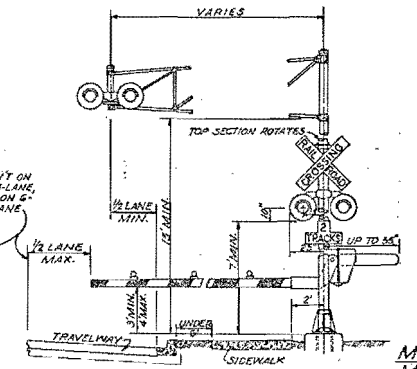
TYPE IV



TYPE IV



TYPE IV



TYPE IV MUNICIPAL MULTILANE

* LENGTH OF COUNTERWEIGHT ARM AND WIDTH OF MEDIAN WILL DETERMINE LENGTH OF GATE ARM USED. MEDIAN SHOULD BE NO LESS THAN 6 FEET WIDE FOR GATE ARM UP TO 30 FEET.

DATE		DESCRIPTION	ROAD NO.	COUNTY	PROJECT NO.
FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY PLANS SECTION RAILROAD CROSSING PROTECTIVE DEVICES					
DESIGNED BY	DATE	APPROVED BY			
LMF	Nov. 71	K.R. Churchill			
CHECKED BY		STATE ENGINEER			
CHECKED BY		DRAWING NO.	3 OF 3		
CHECKED BY		SHEET NO.	1467-A		