



Division of Road Operations

January 26, 1977

Mr. T. B. Hutcheson, Assistant Vice President  
Seaboard Coast Line Railroad Company  
500 Water Street  
Jacksonville, Florida 32202

Dear Sir:

Section 74000-6904, State Road (Henry Smith Rd.)  
Nassau County, Parcel 1 (R/W SIG-R)  
Crossing Number: 620736-B  
FAP Number: RRS-000S(36)  
SCL M.P.: A-615.70  
SCL File: 51-0-Fla.(Hilliard)-I

We are enclosing one (1) fully executed agreement dated January 24, 1977 involving your Company and covering the installation of grade crossing warning devices estimated at \$60,800.00.

The enclosed documents have been approved by the Department and you may consider this notice as your authorization to proceed with the work under the direction of our District Engineer. Please extend advance notification of work by Railroad forces to our District Utility Engineer.

The work under this contract shall be performed in accordance with the provisions of the Federal Highway Administration's Federal-Aid Program Manual Volume 1, Chapter 4, Section 3, and/or Volume 6, Chapter 6, Section 2, as required. This authorization is retroactive to the date of the Division Administrator's approval.

Sincerely yours,

A handwritten signature in cursive script that reads "E. M. Salley".

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

EMS/rjt

Enclosure: 3 conformed copies and 5 copies of plan profile sheet No. 2.

cc: Mr. Richard L. King, Nassau County Engineer, w/1 Agreement copy  
Mr. R. D. Liggett, Chief Engineer Communications & Signals - SCL  
Mr. Eugene R. Buzard, General Counsel - SCL  
Mr. W. H. Skinner, District Engineer

Attention: District Utility Engineer, w/2 Agreement copies  
Comptroller, w/1 Agreement copy  
Federal Aid Programs Manager  
Division Administrator, FHWA

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION  
DIVISION OF ROAD OPERATIONS  
**RAILROAD REIMBURSEMENT AGREEMENT**  
**GRADE CROSSING PROTECTIVE DEVICES AND FUTURE RESPONSIBILITY**  
(County)

| COUNTY | SECTION | UTILITY JOB NO. | STATE ROAD NO.   | COUNTY NAME               | PARCEL & R/W JOB NO. | F A P NO.              |
|--------|---------|-----------------|------------------|---------------------------|----------------------|------------------------|
| 74     | 000     | 6904            | Henry Smith Road | <del>NASSAU</del><br>DUAL | 1 (SIG-R)            | <del>74-000S(28)</del> |

RRS-000S(36)

THIS AGREEMENT, made and entered into this 24<sup>th</sup> day of January, 1977, by and between the STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION, a component agency of the State of Florida, hereinafter called the DEPARTMENT, 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; and Nassau 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 State Highway System, designated by the DEPARTMENT as Job No. 74000-6904, between SR 115-A and SR 200 which crosses at grade the right of way and track(s) of the COMPANY at a point 3,179 feet south from the COMPANY'S Mile Post A-615, at or near Hilliard, Florida as shown on DEPARTMENT'S Plan Sheet No. 2 attached hereto as a part hereof,

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 and/or other protective devices at said location on an actual cost basis, and in accordance with the DEPARTMENT'S Plans and Standard Index Number ~~XXXXX~~ 17882 attached hereto and by reference made a part hereof.

2. 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. 132-046 "Reimbursement for Utility and Railroad Relocation," dated October 1, 1973, and Rule 014-46.02 "Responsibility for the Cost of Railroad/Highway Crossings," Florida Administrative Code, dated February 3, 1971,

~~XX~~(b) Federal Highway Administration "Policy and Procedure Memorandum 30-3," Transmittal 218, dated October 26, 1971, and Federal Highway Administration "Policy and Procedure Memorandum 21-10," dated October 3, 1958,

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.

3. 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 the above indicated Reimbursement Policy, 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.

4. 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 estimate of the cost thereof in the amount of \$ 60,800.00. All work performed by the COMPANY pursuant hereto, shall be performed according to these plans and specifications as approved by the DEPARTMENT; the Federal Highway Administration, if federal aid participating; and all subsequent plan changes shall likewise be approved by the DEPARTMENT and, when applicable, the Federal Highway Administration.

5. 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 (extended 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.

6. 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.

7. 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.

8. It is further agreed that the cost of all installations and/or adjustments made during this installation work shall be borne by the COMPANY, subject only to the DEPARTMENT bearing such portion of this cost as represents the cost of installation and/or adjustment of the previously existing facility, less salvage credit as set forth in the immediately preceding paragraph.

9. Upon completion of the work the COMPANY shall, within one hundred twenty (120) 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. The DEPARTMENT shall retain ten per cent from any progress payment.

10. Upon installation of said protective devices, the expense thereof in keeping same in a good and safe condition will:

(a) immediately revert to the COUNTY and the COUNTY joins herein for the purpose hereof.

(b) be borne by the DEPARTMENT for a period not to exceed \_\_\_\_\_ from the date of completion of the aforementioned project, but not to exceed the amount of

fifty per cent (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. At the conclusion of said time period, such maintenance of the protective devices and expense thereof will be transferred to and assumed by the COUNTY and the COUNTY joins herein for the purpose hereof. The COUNTY agrees to notify the COMPANY in writing at least thirty (30) days prior to expiration of maintenance by the DEPARTMENT.

IT BEING EXPRESSLY UNDERSTOOD AND AGREED that the COMPANY may, at its option and upon proper notification, perform such periodic maintenance work as required and bill either the DEPARTMENT or the COUNTY, whichever is applicable under the foregoing paragraph, for costs thus incurred.

11. After said automatic crossing signals and/or other protective devices have been installed and/or adjusted 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 their successors 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 COMPANY agrees that any future relocation or adjustment of said protective devices shall be performed by the COMPANY with the DEPARTMENT or the COUNTY, whichever is applicable at the time as governed in Paragraph 10 above, responsible for such cost as specified at that future date. The COMPANY further agrees to assume full responsibility for the continued operation and maintenance of such devices once they are placed in service.

12. The COMPANY expressly agrees to indemnify and hold harmless the DEPARTMENT against each and every claim, demand or cause of action that may be made or come against the DEPARTMENT 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 by reason of any liability that is or may be imposed on the DEPARTMENT under the laws of this State because of its participation in the cost of such maintenance governed in Paragraph 10 (b) above, 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.

13. The COMPANY covenants to indemnify, defend, save harmless and exonerate the DEPARTMENT of and from all liability, claims and demands arising out of work undertaken by the COMPANY pursuant to this agreement, due to the negligent actions, delay 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, its subcontractors, employees, agents or representatives, which loss, damage or injury shall be borne by the DEPARTMENT except as otherwise covered by bonds or insurance.

14. It is agreed between the parties hereto that the cost of installing Railroad Grade Crossing Traffic control devices at said crossing be borne jointly between the COUNTY and the DEPARTMENT with the COUNTY responsible for ten percent (10%) of the actual cost. The COUNTY upon execution of this agreement shall furnish to the DEPARTMENT a COUNTY resolution authorizing the DEPARTMENT to use COUNTY secondary funds for the ten percent (10%) of the actual cost which is the COUNTY'S contribution.

Paragraph 14 added hereto prior to execution by the parties hereto.

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

WITNESSES:

Lina T. Poyner

[Signature]  
As to the DEPARTMENT

D.O.T. FISCAL APPROVED  
JAN 17 1977

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

BY: Billy S. Pelham  
Director of Administration

ATTEST: [Signature] (SEAL)  
Executive Secretary

[Signature]  
John E. Fay  
As to the COMPANY

(COMPANY) SEABOARD COAST LINE RAILROAD

BY: [Signature]  
Vice President

ATTEST: [Signature] (SEAL)  
H. W. Martens Assistant Secretary

(\$500,000.00 available as of

Margie J. Armstrong

[Signature]  
As to the COUNTY

HASSAU COUNTY, FLORIDA

BY: John F. Armstrong Jr  
(Title)

ATTEST: [Signature] (SEAL)

Approved as to Form Leglity and Execution  
STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

JAN 17 1977  
by: [Signature]  
Assistant Attorney

Examined and Approved: \_\_\_\_\_  
Date

\_\_\_\_\_  
Division Administrator  
Federal Highway Administration

State of Florida Department of Transportation  
 Division of Road Operations  
 COUNTY RESOLUTION  
 GRADE CROSSING TRAFFIC CONTROL DEVICES AND  
 FUTURE RESPONSIBILITY

| COUNTY | SECTION | UTILITY JOB NO. | STATE ROAD NO.  | COUNTY NAME | PARCEL & R/W JOB NO. | FAP No.     |
|--------|---------|-----------------|-----------------|-------------|----------------------|-------------|
| 74     | 000     | 6904            | Henry Smith Rd. | Nassau      | 1 (SIG-R)            | TQ-000S(28) |

A RESOLUTION AUTHORIZING EXECUTION OF A RAILROAD REIMBURSEMENT AGREEMENT FOR THE INSTALLATION OF GRADE CROSSING TRAFFIC CONTROL DEVICES, AND FUTURE MAINTENANCE AND ADJUSTMENT OF SAID DEVICES; PROVIDING FOR THE EXPENDITURE OF FUNDS; AND PROVIDING WHEN THIS RESOLUTION SHALL TAKE EFFECT.

RESOLUTION NO. 280

ON MOTION OF Commissioner Hodges, seconded by Commissioner Claxton, the following RESOLUTION was adopted:

WHEREAS, the State of Florida Department of Transportation is constructing, reconstructing or otherwise changing a portion of the State Highway System, between SR 115-A and SR 200, which shall call for the installation and maintenance of railroad grade crossing traffic control devices for railroad grade crossing over or near said highway,

NOW, THEREFORE, BE IT RESOLVED BY THE COUNTY COMMISSION OF NASSAU COUNTY, FLORIDA:

That Nassau County enter into a RAILROAD REIMBURSEMENT AGREEMENT with the State of Florida Department of Transportation and Seaboard Coast Line Railroad Company for the installation and maintenance of certain grade crossing traffic control devices designated as Job No. 74000-6904 on Henry Smith Rd. which crosses the right of way and tracks of the Company at a point 3,179 feet south from the Company's Mile Post A-615, at or near Hilliard, Florida; and,

That County agrees to participate in the cost of installation as enumerated in Paragraph 14 and assume it's share in the cost of future maintenance and adjustment of said grade crossing traffic control devices as designated in Paragraph 10 of the RAILROAD REIMBURSEMENT AGREEMENT; and,

That the Chairman and Clerk of the Board of County Commissioners be authorized to enter into such agreements with the State of Florida Department of Transportation and the Seaboard Coast Line Company as herein described; and,

That this RESOLUTION shall take effect immediately upon adoption.

INTRODUCED AND PASSED by the Board of County Commissioners of Nassau County, Florida, in regular session, this 14<sup>th</sup> day of Dec, 1976.

John F. Armstrong, Jr.  
 Chairman of the Board of County Commissioners

ATTEST: [Signature]  
 Clerk of the Board of County Commissioners

SEABOARD COAST LINE RAILROAD COMPANY

To: Florida Department of Transportation  
 Project Ref. 74000-6904 Parcel 1 (R/W SIG-R) County: Nassau  
 Location: Hilliard, Florida  
 SCL Mile Post: A-615.60 Drawing No.  
 Route: Henry Smith Road Crossing Inv. No. 620736 B  
 Description: Install automatic highway crossing flashing light signals, on cantilever assemblies, short arm gates and bells.

Estimated Cost

|  |           |           |
|--|-----------|-----------|
| Material Cost                          | \$36,000. |           |
| Sales Tax                              | 1,440.    |           |
| Handling                               | 1,800.    |           |
| Transportation to Project              | 60.       |           |
| Total Material Cost                    | \$39,300. |           |
| Credit for Released Material           | 00.       |           |
| Net Material Cost                      |           | \$39,300. |
| Engineering                            | 1,180.    |           |
| Plus Composite Additive                | 591.      |           |
| Total Engineering                      |           | 1,771.    |
| Construction Labor                     | 8,950.    |           |
| Plus Composite Additive                | 3,812.    |           |
| Total Construction Labor               |           | 12,762.   |
| Supplemental Annuity on Labor          |           | 150.      |
| Meal Allowance and Lodging             |           | 2,460.    |
| Transportation of Equipment to Project |           | 120.      |
| Equipment Rental                       |           | 1,217.    |
| Traffic Control Devices (Construction) |           | 125.      |
| Estimated Material and Labor Cost      |           | \$57,905. |
| Contingencies                          |           | \$ 2,895. |
| TOTAL ESTIMATED COST                   |           | \$60,800. |
| Railroad Portion                       |           | \$ 00.    |
| Outside Party Estimated Cost           |           | \$60,800. |

Office of Chief Engineer Communications and Signals  
 Jacksonville, Fla. Date: 10/22/76-cvs



SEABOARD COAST LINE RAILROAD COMPANY

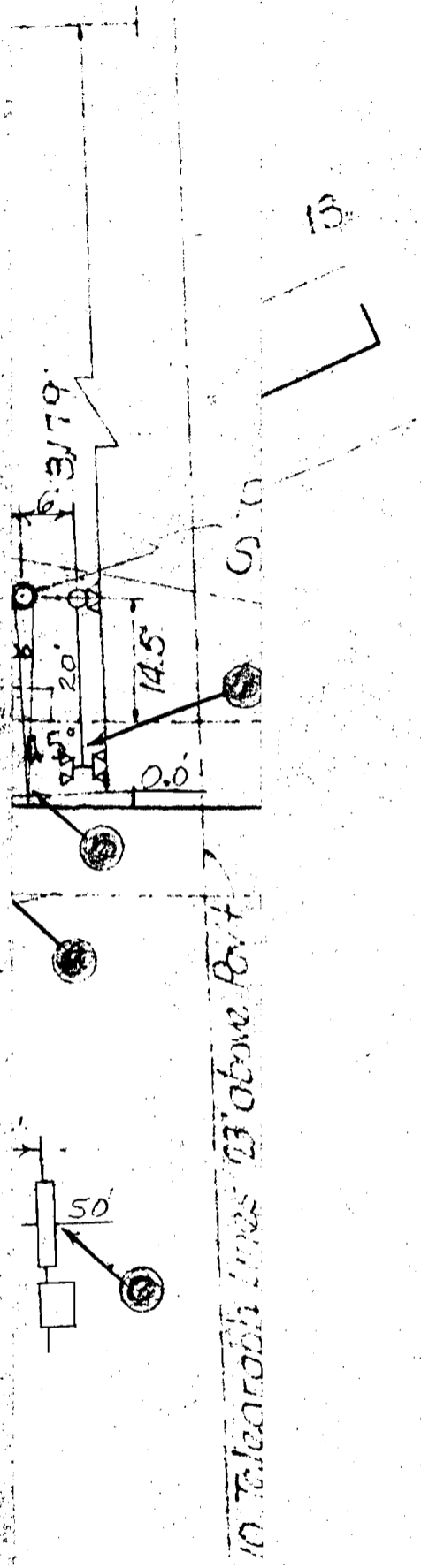
To: Florida Department of Transportation  
 Project Ref.: 74000-6904 Parcel 1 (R/W SIG-R) County: Nassau  
 Location: Hilliard, Florida  
 SCL Mile Post: A-615.60 Drawing No.  
 Route: Henry Smith Road Crossing Inv. No. 620736 B  
 Description: Install automatic highway crossing flashing light signals, on  
 cantilever assemblies, short arm gates and bells.

Estimate of Signal Material and Cost

|   |           |
|---|-----------|
| 2 - Signal Assembly, complete with 20 ft. cantilever arm and 6 lamp   | \$ 6,192. |
| 2 - Gate Assembly, complete with 24 ft. arm and 2 lamp units on mast  | 5,642.    |
| 1 - Crossing Control Case, containing control apparatus, rectifiers, lightning protection, etc., for use at crossing      | 9,270.    |
| 1 - Battery Box, containing operating battery, for use at crossing  | 1,570.    |
| 2 - Crossing Control Case, containing control apparatus, rectifier, lightning protection, etc., for use at start points   | 3,428.    |
| 2 - Crossing Control Case, containing control apparatus, rectifier, lightning protection, etc., for use at restart points | 1,714.    |
| 4 - Battery Box, containing operating battery, for use at start and restart points  | 2,420.    |
| 1 - Lot Control Apparatus, lightning protection, etc., for use at existing housing  | 850.      |
| 8 - Lengths 3 in. Pipe, for cable runs under roadway and tracks   | 442.      |
| 1 - Lot Underground Cables, single and multiple conductor, for use from control cases to tracks, signals, etc.            | 2,485.    |
| 1 - Power Service Assembly, for use of commercial power   | 180.      |
| 1.4 - Miles Triplex Wire, complete with dead ends, hangers, etc., for use of commercial power at start points             | 1,590.    |
| Miscellaneous Items   | 217.      |
| Total Estimated Material Cost   | \$36,000. |

Office of Chief Engineer Communications and Signals  
 Jacksonville, Fla. Date: 10/22/76-cvs

|                 |          |
|-----------------|----------|
| STATE PROJ. NO. | DATE     |
| 74000-6904      | 10/22/76 |



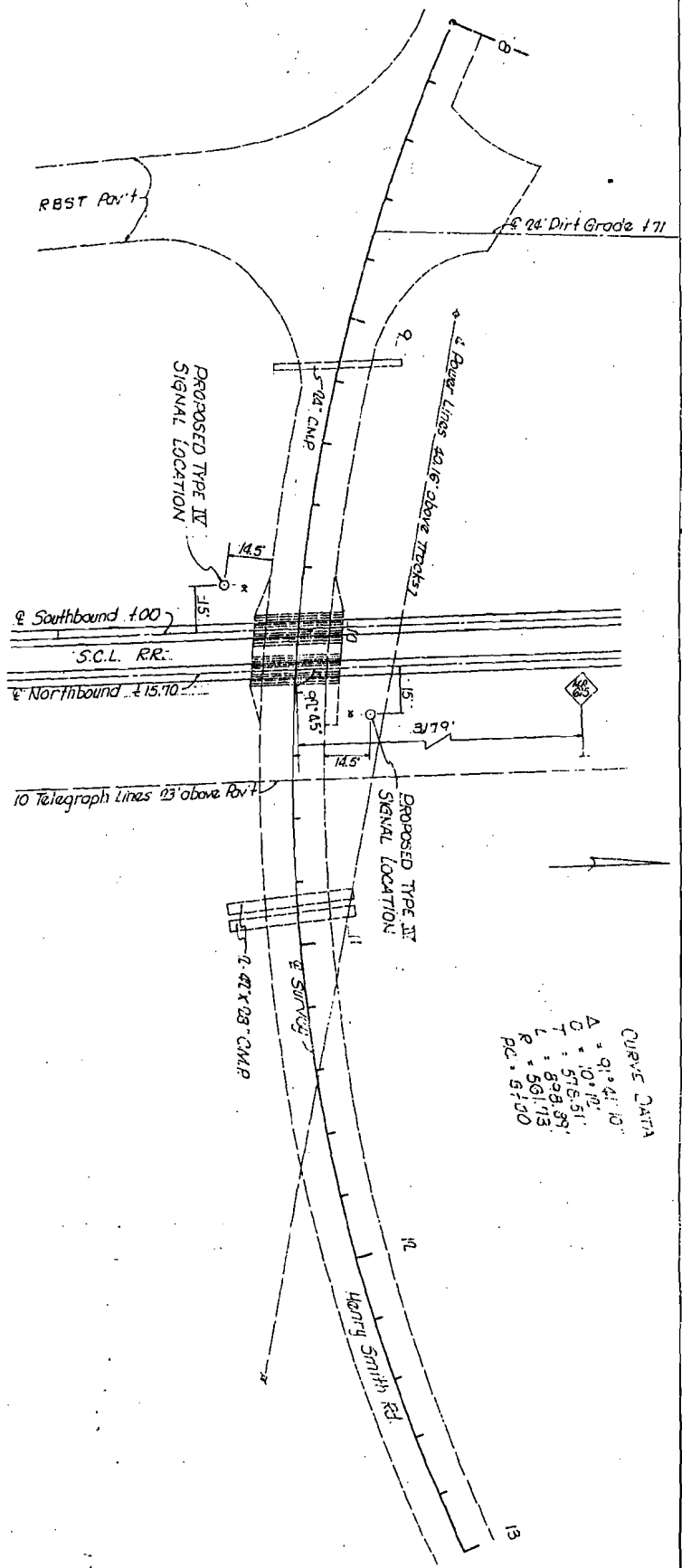
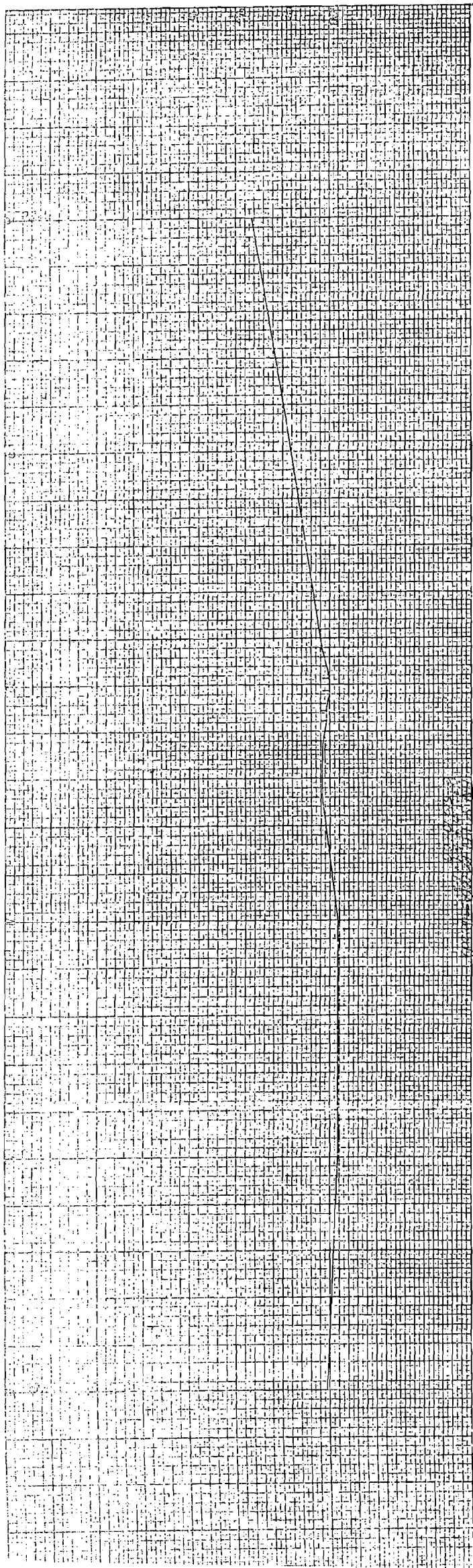
SECTION 74000-6904  
 NASSAU COUNTY  
 HENRY SMITH ROAD  
 HILLIARD, FLA.  
 RR MP A-615.60

SKETCH SHOWING GRADE CROSSING  
 PROTECTIVE DEVICES

SCL RR CO DATE 10-22-76 <sub>cus</sub>

RR CROSSING  
 N<sup>o</sup> 610736

Scale 1" = 20'



CURVE DATA  
 $\Delta = 91^{\circ}41'10''$   
 $OT = 10^{\circ}17'$   
 $T = 575.51'$   
 $L = 698.99'$   
 $P = 501.73'$   
 $PC = 515.00'$

RR CROSSING  
 N<sup>o</sup> 670736

Scale: 1"=20'

|                 |            |
|-----------------|------------|
| STATE PROJ. NO. | 74000-6904 |
| SHEET           | 1          |

THIS CONTRACT PLAN SET INCLUDES  
ROADWAY PLANS

|              |                 |           |              |
|--------------|-----------------|-----------|--------------|
| B. I. 228080 |                 |           |              |
| STATE        | STATE PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| FLA.         | 74000-6904-910  | 76        | 1            |

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
**STATE HIGHWAY**

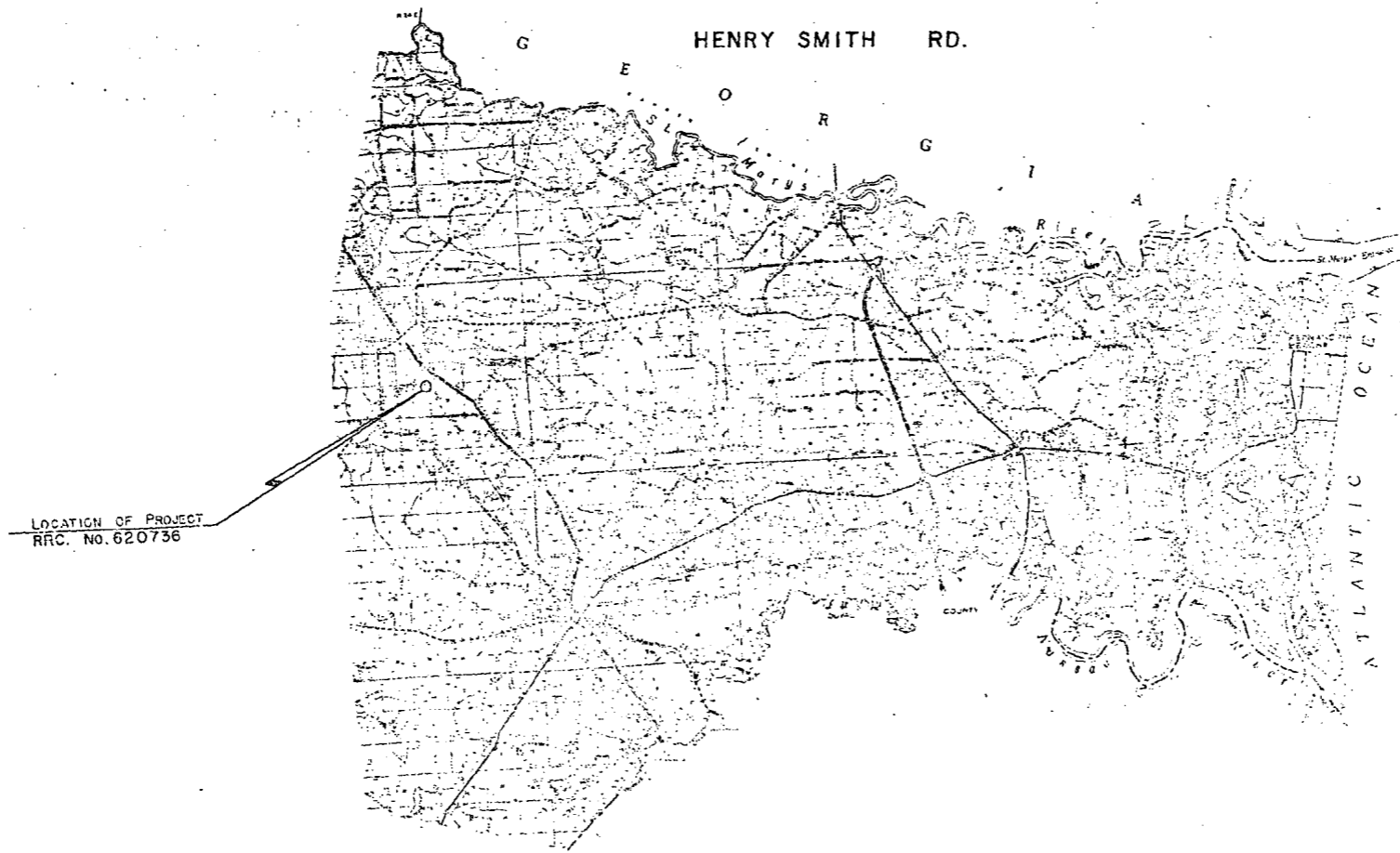
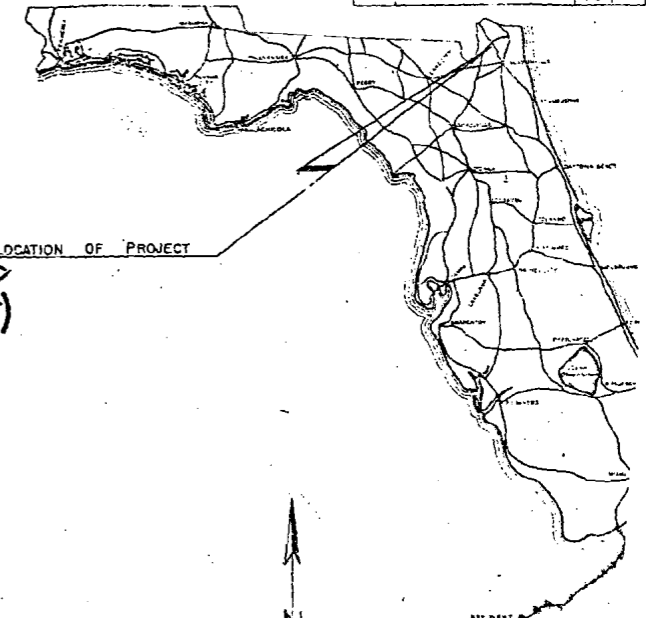
F.A. PROJECT NO. TQ ~~1000~~-000S (22)  
NASSAU COUNTY

HENRY SMITH RD.

INDEX OF ROADWAY PLANS

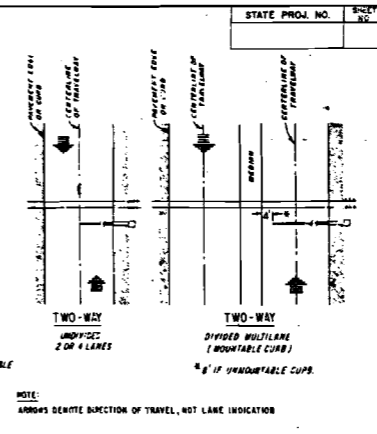
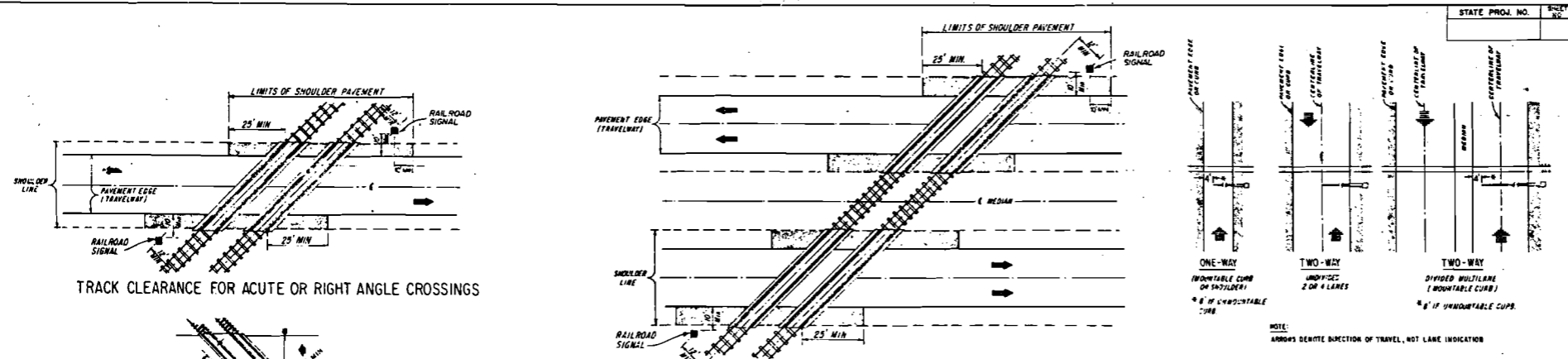
| SHEET NO. | SHEET DESCRIPTION      |
|-----------|------------------------|
| 1         | Key Map                |
| 2         | Plan and Profile Sheet |

| INDEX NO. | STANDARD DRAWINGS                               |
|-----------|---|
| GSA-01    | Standard Abbreviations                          |
| GSS-01    | Standard Symbols for Key Maps and Plan Sheets   |
| GPD-01    | Railroad Crossing Protective Devices (3 Sheets) |



ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN RESIZED BY REPRODUCTION. THIS IS NOT TO BE CONSIDERED WHEN OBTAINING SPECIFICATIONS. STATE DEPARTMENT OF TRANSPORTATION, SPECIFICATIONS, DATED 1973 AND SUPPLEMENT THEREIN DATED 1974.

PLEASE RETAIN THIS SHEET FOR STANDARD DETAILS SHEET YOUR PLANNING FILES.



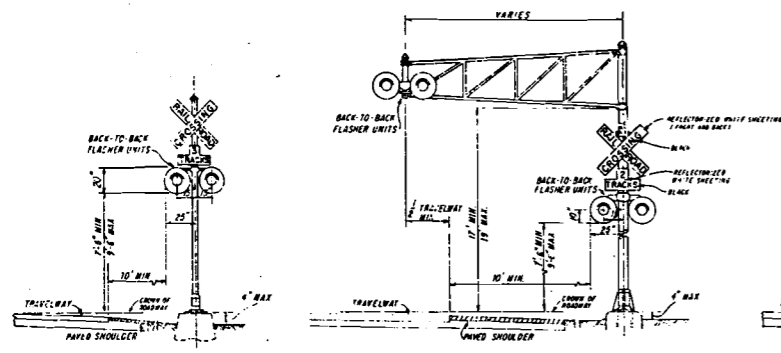
**FIGURE 1**

GATE LENGTH REQUIREMENTS

**GENERAL NOTES**

1. NO GUARDRAIL IS PROPOSED FOR SIGNALS; HOWEVER, SOME FORM OF IMPACT ATTENUATION DEVICE MAY BE SPECIFIED FOR CERTAIN LOCATIONS.
2. ADVANCE FLASHER TO BE INSTALLED WHEN AND IF CALLED FOR IN PLANS OR SPECIFICATIONS.
3. TOP OF FOUNDATION TO BE AT THE SAME ELEVATION AS THE SURFACE OF THE TRAVELWAY AND/OR NO MORE THAN 4" ABOVE THE SURFACE OF THE GROUND.
4. TYPE OF TRAFFIC CONTROL DEVICES
  - I FLASHING SIGNALS
  - II FLASHING SIGNALS WITH CANTILEVER
  - III FLASHING SIGNALS WITH GATE
  - IV FLASHING SIGNALS WITH CANTILEVER & GATE
  - V GATE
5. CLASS OF TRAFFIC CONTROL 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
6. SIX LANE GRADE CROSSINGS ARE SPECIAL CONDITIONS. PLACEMENT OF RAILROAD TRAFFIC CONTROL DEVICES ARE NOT COVERED UNDER THIS INDEX.

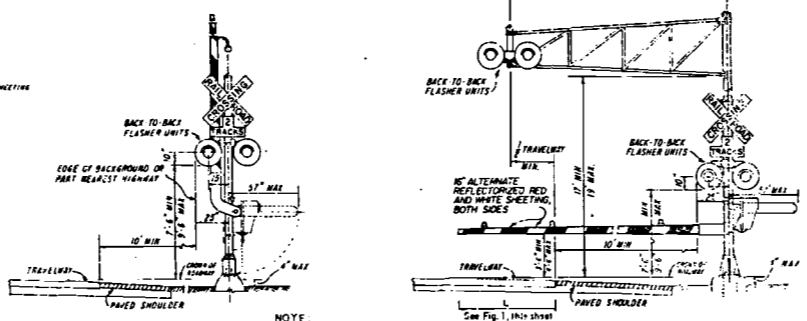
**SIGNAL PLACEMENT AT RAILROAD CROSSING (2-LANE DESIGN)**



**TYPE I**

**TYPE II**

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



**TYPE III**

**TYPE IV**

NOTE: TWO SEPARATE FOUNDATIONS MAY BE REQUIRED ONE FOR SIGNALS, ONE FOR GATE, DEPENDING ON TYPE OF EQUIPMENT USED.

APPROVED BY FHWA JULY 29, 1978

| REVISIONS |          | INITIALS    | DATES |
|-----------|----------|-------------|-------|
| DATE      | INITIALS | DESCRIPTION |       |
|           |          |             |       |
|           |          |             |       |
|           |          |             |       |
|           |          |             |       |

Recommended for approval by *[Signature]* Deputy Traffic Operations Eng.

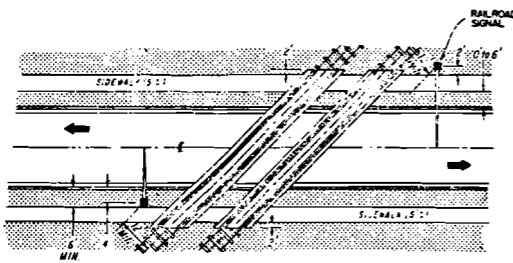
Approved by *[Signature]* State Traffic Operations Eng.

Checked by *[Signature]*

Drawn by *[Signature]*

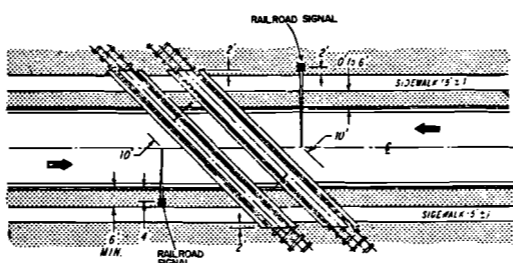
Superv. by *[Signature]*

DRAWING NO. | INDEX NO.  
1 of 2 | 17882



ACUTE ANGLE (AND RIGHT ANGLE)

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

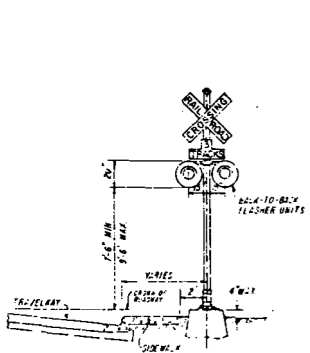


OBTUSE ANGLE

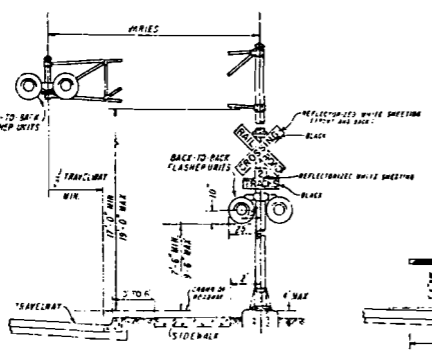
SIGNAL PLACEMENT AT RAILROAD CROSSING  
(2 LANES, CURB & GUTTER)

**GENERAL NOTES**

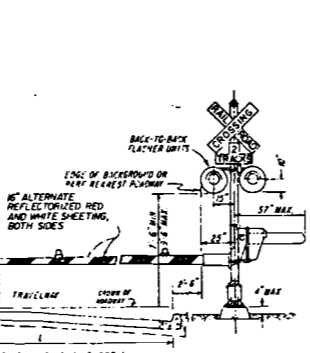
7. WHERE PLANS CALL FOR RAILROAD TRAFFIC CONTROL DEVICES TO BE INSTALLED IN CURBED MEDIANS, THE MINIMUM OFFSET FROM FACE OF CURB TO CENTER OF SUPPORT SHALL BE 4'-7", AS SHOWN FOR RIGHT SIDE INSTALLATIONS.
8. LOCATION OF RAILROAD TRAFFIC CONTROL DEVICE IS BASED ON THE DISTANCE AVAILABLE BETWEEN FACE OF CURB & SIDEWALK.
  - 0' TO 6' - LOCATE DEVICE OUTSIDE SIDEWALK.
  - OVER 6' - LOCATE DEVICE BETWEEN FACE OF CURB AND SIDEWALK.
9. STOP LINE TO BE PARALLEL TO TRACKS, APPROX. 15' FROM NEAREST RAIL, OR 8' FROM AND PARALLEL TO GATE IF PRESENT. (SEE INDEX 17346)



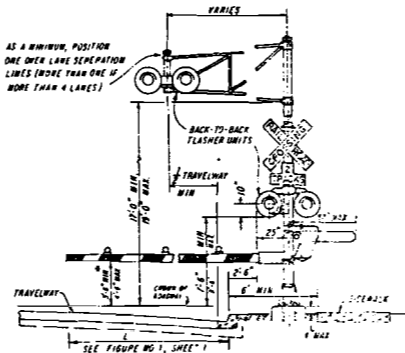
TYPE I



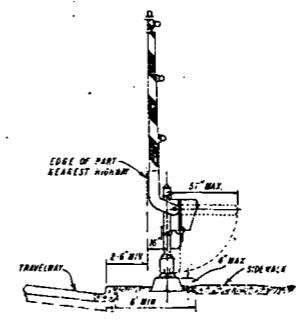
TYPE II



TYPE III



TYPE IV



TYPE V

APPROVED BY FHWA JULY 28, 1975  
 FLORIDA DEPARTMENT OF TRANSPORTATION  
 TRAFFIC OPERATIONS  
 RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES

| REVISIONS |          |             | INITIALS | DATE | RECOMMENDED FOR APPROVAL |
|-----------|----------|-------------|----------|------|--------------------------|
| DATE      | INITIALS | DESCRIPTION |          |      |                          |
|           |          |             |          |      |                          |
|           |          |             |          |      |                          |
|           |          |             |          |      |                          |
|           |          |             |          |      |                          |

DRAWING NO. INDEX NO.  
 2 OF 2 17382