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. 93-M-34

ON MOTION OF Commissioner Butler, seconded by Commissioner Staley, the following RESOLUTION was adopted:

WHEREAS, the State of Florida Department of Transportation is constructing, reconstructing or otherwise changing a portion of the Public Road System, between Thirteenth St. and Lakeville Rd., which shall call for the installation and maintenance of railroad grade crossing traffic control devices for railroad grade crossing over or near said highway; and

NOW, THEREFORE, BE IT RESOLVED BY THE COUNTY COMMISSION OF Orange COUNTY, FLORIDA;

That Orange County enter into a RAILROAD REIMBURSEMENT AGREEMENT with the State of Florida Department of Transportation and the Florida Central Railroad Company for the installation and maintenance of certain grade crossing traffic control devices designated as Job No. 75000-6979 on Sheeler Avenue which crosses the right of way and tracks of the Company at FDOT/AAR Crossing No. 625275-L located near Apopka, Florida; and

That the County assume its share of the costs for future maintenance and adjustment of said grade crossing traffic control devices as designated in the RAILROAD REIMBURSEMENT AGREEMENT; and

That the 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 Railroad Company as herein described; and

That this RESOLUTION shall take effect immediately upon adoption.

INTRODUCED AND PASSED by the Board of County Commissioners of Orange County, Florida, in regular session, this 15th day of June 1993.

ATTEST: 

[Signature]

Chairman of the Board of County Commissioners
RAILROAD GRADE CROSSING TRAFFIC CONTROL DEVICES

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>SECTION</th>
<th>JOB NUMBER</th>
<th>ROAD NAME OR NUMBER</th>
<th>COUNTY NAME</th>
<th>PARCEL &amp; R/W NUMBER</th>
<th>FAP NUMBER</th>
</tr>
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<tbody>
<tr>
<td>75</td>
<td>000</td>
<td>6979</td>
<td>Sheeler Avenue</td>
<td>Orange</td>
<td>1 (SIGW)</td>
<td>RRS-SR-0000</td>
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</table>

COMPANY NAME: Florida Central Railroad Company, Inc.

A. JOB DESCRIPTION & LOCATION: Install Railroad Grade Crossing Devices at Sheeler Avenue in Apopka, Florida

B. TYPE OF ROADWAY FACILITY: 2 Lane, Rural

C. FDOT/AAR XING NO.: 625275-L RR MILE POST TIE: 3.68

D. TYPE SIGNALS PROPOSED: III CLASS III DOT INDEX: 17882

SCHEDULE OF ANNUAL COST OF AUTOMATIC HIGHWAY GRADE CROSSING TRAFFIC CONTROL DEVICES

<table>
<thead>
<tr>
<th>CLASS</th>
<th>DESCRIPTION</th>
<th>COST</th>
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<tbody>
<tr>
<td>I</td>
<td>Flashing Signals - One Track</td>
<td>$1,404.00</td>
</tr>
<tr>
<td>II</td>
<td>Flashing Signals - Multiple Tracks</td>
<td>$1,858.00</td>
</tr>
<tr>
<td>III</td>
<td>Flashing Signals and Gates - One Track</td>
<td>$2,117.00</td>
</tr>
<tr>
<td>IV</td>
<td>Flashing Signals and Gates - Multiple Tracks</td>
<td>$2,557.00</td>
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*Effective July 1, 1991

AUTHORITY: FLORIDA ADMINISTRATIVE RULE 014.46.002
Responsibility for the Cost of Automatic Highway Grade Crossing Traffic Control Devices

EFFECTIVE DATE: July 1, 1991

GENERAL AUTHORITY: 334.044 F.S.
SPECIFIC LAW IMPLEMENTED: 335.141 F.S.
INSTALLATION ESTIMATE
GRADE CROSSING TRAFFIC CONTROL DEVICES

TO: FLORIDA DEPT. OF TRANSPORTATION
FOR: TYPE III, CLASS III SIGNALS

DOT PROJECT NO. 75000-69, X NEW INSTALLATION, ___ MODIFICATION

LOCATION: APOPKA, FL, COUNTY ORANGE, STATE: FLORIDA

Road Jurisdiction: ORANGE CO. Road Name: SHEELE AVE.

FDOT/AAR Crossing Number: G25275-L RR M.P.: 3.68

I. Preliminary Engineering: ___ Company Forces, XX Contract $ 1,750.00
II. Construction Supervision: ___ Company Forces, ___ Contract $ 1,500.00

III. Material:
Highway Grade Crossing Signal Assembly ................ $
Control Equipment ........................................ $
Field Material ............................................. $
Material Transportation ................................... $
Material Handling ......................................... $
Material Sales Tax ........................................ $
Total Material ............................................ $ 59,500.00

IV. Equipment
Company Owned ............................................. $
Rental (GMAC Rates) ...................................... $
Total Equipment ........................................... $ 1,750.00

V. Labor
Direct Labor ................................................ $
Holidays, Vacation, and Pension ........................... $
Payroll Taxes ............................................. $
Insurance .................................................. $
Meals and Lodging ........................................ $
Total Labor ................................................ $ 17,000.00

VI. Miscellaneous Items:
Railroad Administration - Lump Sum ....................... $ 2,500.00

SUB-TOTAL ................................................. $ 81,500.00

VII. Total Estimated Cost (Date 8-12-91) (BY BEN BISCA) $ 84,000.00

VIII. Submitted BY: ________________________________
RR Company

FDOT-6/17
# Character of Proposed Work

**Statewide Rail—Highway Crossing Program**

## Phase of Work

<table>
<thead>
<tr>
<th>PHASE OF WORK</th>
<th>APPROVAL AND/OR AUTHORIZATION</th>
<th>EFFECTIVE DATE OF AUTHORIZATION</th>
<th>APPROX. LENGTH (MILES)</th>
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<tbody>
<tr>
<td>HIGHWAY PLANNING AND RESEARCH (HPR)</td>
<td>BY: Bobby W. Blackmon</td>
<td>06/16/92</td>
<td>0</td>
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<tr>
<td>PRELIMINARY ENGINEERING (For Railroad)</td>
<td>By:</td>
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<tr>
<td>RIGHT OF WAY ACQUISITION</td>
<td>By:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION (Advertisement for receipt of bids)</td>
<td>By:</td>
<td></td>
<td></td>
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<tr>
<td>UTILITIES</td>
<td>By:</td>
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</tr>
<tr>
<td>OTHER (Specify)</td>
<td>By:</td>
<td>06/16/92</td>
<td>0</td>
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The Project Agreement for the above-referenced project entered into between the undersigned parties and executed by the Division Administrator on June 16, 1992, is hereby modified as follows:

## Former Amount (Dollars)

<table>
<thead>
<tr>
<th>APPR. CODE</th>
<th>TOTAL PROJECT COSTS</th>
<th>FEDERAL AID ELIGIBLE COSTS</th>
<th>FEDERAL FUNDS</th>
<th>STATE FUNDS</th>
<th>OTHER FUNDS</th>
<th>FEDERAL AID PERCENT</th>
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<tbody>
<tr>
<td>138</td>
<td>$1,105,457</td>
<td>$1,105,457</td>
<td>$994,911</td>
<td>$100,546</td>
<td></td>
<td>90%</td>
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<tr>
<td>33N</td>
<td>$1,132,543</td>
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<td>$272,892</td>
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<td>81.93%</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$2,238,000</strong></td>
<td><strong>$2,238,000</strong></td>
<td><strong>$1,167,803</strong></td>
<td><strong>$305,197</strong></td>
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</table>

## Revised Amount (Dollars)

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<th>APPR. CODE</th>
<th>TOTAL PROJECT COSTS</th>
<th>FEDERAL AID ELIGIBLE COSTS</th>
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<tr>
<td>138</td>
<td>$1,105,457</td>
<td>$1,105,457</td>
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<td>90%</td>
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<td>33N</td>
<td>$1,132,543</td>
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<td>90%</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$2,238,000</strong></td>
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<td><strong>$2,014,199</strong></td>
<td><strong>$213,801</strong></td>
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</tbody>
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## Remarks

- In 105 Plan: Yes _____ N/A __, Page No. ____ No _____. Amendment being processed.
- The Florida Department of Transportation has examined itself from FHWA's project review and oversight on this Federal-aid project per Secretary Watt's March 4, 1992 letter to M. J. R. Skinner in accordance with revised 23 U.S.C. 106(b)(2).
- This modification is made for the following reasons:
- To increase federal participation to 90% based on Director, Office of Fiscal Services memorandum dated June 30, 1992 entitled "Federal Shares established by Title 23 U.S.C. and the ISTEA of 1991.
- All other terms and conditions of the Project Agreement will remain in full force and effect. This modification is effective as of the day of **JUL 28 1992**.

**Florida Department of Transportation**

**Federal Aid Programs Manager**

By [Signature]

**U.S. Department of Transportation**

**Federal Highway Administration**

**For the Division Administrator**

By [Signature]

**Financial Manager**

By [Signature]
FLORIDA DEPARTMENT OF TRANSPORTATION
DIAGNOSTIC FIELD REVIEW REPORT
RAIL-HIGHWAY GRADE CROSSING
DATA SHEET

PROJECT NO. 15000-6979

CLASSIFICATION/LOCATION: DATE LAST UPDATED: 090103
R.R. CROSSING STATUS: OPEN AS OF 880715 PROPOSED STATUS: NO USE, OPEN

RAIL OPERATIONS: DATE LAST UPDATED: 080729
TRAIN MOVEMENTS: 25 PER DA MAXIMUM TRAIN SPEED: 020 EFFECTIVE: 831115 NO. OF MAIN TRACKS: 1 OTHER TRACKS: 00

WARNING DEVICES: DATE LAST UPDATED: 880715
EXISTING PROTECTION: FL TYPE OF TRAIN DETECTION: UNKNOWN PREEMPTION: U ADVANCE WARNING: N

PHYSICAL DATA: DATE LAST UPDATED: 890418
R.R. CROSSING ANGLE: 70-79 DEGREES NO. OF THRU LANES: 02 OTHER LANES: 0 HIGHWAY SPEED: 045 DIST. TO INTERSECT.: 00000
ACTUAL STOPPING SIGHT DIST.(FT): 375 MIN. CLEAR QUAD. SIGHT DIST.(FT): 054 PARALLEL RD.: NONE OR MINOR ROAD PARALLEL
CROSSING CONDITION: EXCELLENT APPROACH CONDITION: LARGE HUMP OR SAG-HAZARDOUS MAINTAINING AGENCY: COUNTY

DEPARTMENT DATA: DATE LAST UPDATED: 910621

SAFETY DATA: DATE LAST UPDATED: 910701
PRED. ACCID./YEAR: 000.072 SAFETY INDEX: 53.72 RECOMMENDED WARNING DEVICE: FL & G ESTIMATED COST: $92,000

DESCRIPTION OF SITE/INSTALLATION CONFLICTS: NOTE THE FOLLOWING BURIED UNDERGROUND UTILITIES AT THIS CROSSING: E. SIDE OF ROAD-UNITED TELEPHONE & CABLEVISION W. SIDE OF ROAD-GAS LINE

REVIEW TEAM RECOMMENDATION: INSTALL TYPE III, CLASS III SIGNALS.

DATE REVIEWED 8-12-91 BY R.W.W.

REVIEW TEAM PERSONNEL: D.O.T. RAIL R. WOODRUFF D.O.T. SAFETY B. LINKOVITCH RAILROAD CO. BOB GORBLY
D.O.T. RAIL F. WICHOWSKI D.O.T. SAFETY B. McKNIGHT LOCAL A. NOSSE ORANGE CO.-STEVE WILMARTH
**Signal Placement at Railroad Crossing**

1. **2 - Lane Design**
2. **4 - Lane Design**

**General Notes**
1. No guidelines are provided for signals, however, 24" high markers may be specified for certain locations.
2. Wheels of fenders to be provided as required and at speed in 5' increments, except on growing areas.
3. Fenders should be of a consistent material with a minimum of 4" above finished shoulder grade.

**Figure 1**
Gate Length Requirements
See note & sheet 3

**Tables**
- **State of Florida Department of Transportation**
- **Traffic Control Devices**

**Diagram Details**
- Track clearance for acute or right angle crossings
- Typical location for gates or flashing signals with gates when tracks are at grade only.
NOTES:

1. From computing pavement message, quantities do not include temporary tiles.

2. Placement of sign WO1-1 in a residential or business district, where low speeds are prevalent, the WO1-1 sign may be placed a minimum distance of 200 feet from the crossing, where street intersection occur between the WO1-1 pavement message and the tracks, an additional WO1-1 sign and additional pavement message should be used.


4. A portion of the pavement markings symbol should be directly opposite the WO1-1 sign.

5. Recommended location for FTP-3B & B signs, 400 Urban and 300 Rural. See these FTPS for sign details.

6. Gate Length Requirements:

   For two-way unidirectional sections:
   The gate should extend to within 1/2 of the center line. On multilane approaches the maximum gate length may not reside within 1/2 of the center line.
   The distance from the gate to the center line shall be a minimum of 4 ft.

   For one-way or divided sections:
   The gate shall be of sufficient length such that the distance from the gate tip to the inside edge of pavement is a minimum of 4 ft.

   8 ft.
   200 ft.
   300 ft.
   1/2 of center line.

   400 ft.
   300 ft.
   1/2 of center line.

   2 ft.
   1/2 of center line.

   4 ft.
   200 ft.
   300 ft.
   1/2 of center line.