

**Public Utilities
Commission of Ohio**

15-1150-RR-FED

Memo

RECEIVED-DOCKETING DIV

2015 JUN 19 PM 1:02

PUCO

To: Docketing Division
From: George Martin, Grade Crossing Planner, Rail Division
Re: In the matter of the authorization of CSX Transportation to install an active grade crossing warning device in Marion County
Date: June 19, 2015

The Ohio Rail Development Commission (ORDC) has authorized funding for CSX Transportation (CSX) to install mast-mounted flashing lights and roadway gates at Marion County, Claridon Township, Marion-Williamsport Rd/TR 162, DOT# 262063C, approved cost \$255,655.00. This crossing was surveyed August 26, 2013 as part of the Galion-Union City Corridor Project, and was found to warrant the upgrade. **Due to the number of projects currently authorized on this Corridor Project, both ORDC and staff are recommending an 18-month order.**

The project will be paid for with federal funds, and is actual cost. The plan and estimate for this project has already been approved in the amount noted above. Staff requests a Finding & Order with completion of the projects within 18-months and that the following language be incorporated in the Finding & Order:

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

Any ancillary work to make the warning devices function as designed and visible to the roadway user, and

MUTCD compliance, including minor roadway work if necessary.

A suggested case coding and heading would be:

PUCO Case No. 15- 1150 -RR-FED: In the matter of the authorization of CSX Transportation to install an active grade crossing warning device in Marion County

C: Legal Department

Please serve the following parties of record

Ms Cathy Stout

Ohio Rail Development Commission

1980 West Broad St, Mailstop #3140

Columbus, Oh 43223

Mr Troy Creasy

CSX Transportation

500 Meijer Dr, Ste 305

Florence, Ky 41042

Claridon Township Trustees

2272 Caledonia-Climax Rd

Caledonia, Oh 43314

Mr Brad Irons

Marion County Engineer

222 W Center St

Marion, OH 43302

Ohio Edison

**OHIO RAIL DEVELOPMENT COMMISSION
INTER-OFFICE COMMUNICATION**

TO: George Martin, Rail Division, PUCO
FROM: Cathy Stout, Manager, Safety Section, ORDC
BY: Joe Reinhardt, Project Manager, ORDC
SUBJECT: CSX Corridor, One (1) Warning Device Projects, Marion County:
Marion-Williamsport Road
DATE: June 17, 2015

Preliminary Engineering has already been provided by the railroad to ORDC for one warning projects on the Union City-Galion Corridor. We have approved these site plans and estimates. Please issue a construction-only Order for these projects with a proposed 18 month deadline.

These construction authorizations are made with the stipulation and understanding that any field work needs prior approval before the work begins. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

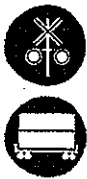
It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

- any ancillary work to make warning devices function as designed and visible to the roadway user, and
- MUTCD compliance – including minor roadway work if necessary.

Thank you for your assistance with these matters.

Attachment: Diagnostic Review
Plan & Estimate

c: George Martin, PUCO
ORDC Project Manager (file)



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223

John R. Kasich, Governor • Mark Policinski, ORDC Chairman

June 17, 2015

Ms. Amanda DeCesare
Project Manager
500 Meijer Drive, Suite 305
Florence, Ky 41042

RE: Marion County, Marion-Williamsport Road, DOT 262063E
PID 96896, OH1044

Dear Ms. DeCesare:

The plan and estimate dated June 8, 2015, for the referenced project has been reviewed and is acceptable. CSX may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. This authorization is made with the stipulation and understanding that the approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit. Reimbursement of eligible actual cost is limited to \$255,655. Additional costs must be approved in writing by the ORDC prior to being incurred. Emergency verbal authorizations by ORDC may be permitted and will be confirmed by ORDC in writing within ten (10) business days of the verbal approval.

This authorization is contingent upon CSX accepting the following instructions:

1. CSX's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to Joseph Reinhardt, ORDC, email Joe.Reinhardt@dot.state.oh.us and to the Public Utilities Commission of Ohio, at George.martin@puc.state.oh.us. CSX's project foreman will also notify the same of any stops and re-starts of the work activity and of the date work was completed for the project.
2. CSX will arrange for utilities to be located at the project site by the Ohio Utilities Protection Service (OUPS) prior to any construction activities at the site. Utilities that are not participating members of the service must be contacted directly by CSX.
3. CSX's project foremen will notify Joe Reinhardt at 614-580-7728 or Joe.Reinhardt@dot.state.oh.us of any changes in the scope of work, cost overruns, material changes, etc. which are not included in the approved plan and estimate and secure approval of same before the work is performed.
4. Open cut of roadways is not permitted except in unusual circumstances and must be coordinated with the local highway authority and preapproved by ORDC.
5. CSX will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed ODOT Purchase Order to reference when billing.



www.rail.ohio.gov


phone: 614.644.0306

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6. CSX will furnish two (2) copies of the final all-inclusive bill to ORDC stating the exact dates of starting and completing work, the initial and final dates of construction and location where the accounts may be audited.
7. This installation will include any ancillary work to make the warning devices function as designed and meet MUTCD.

Thank you for your assistance with these matters.

Sincerely,


Joseph Reinhardt
Project Manager

C: Randall Schumacher, Rail Division Supervisor, PUCO
George Martin, Grade Crossing Planner, PUCO
Susan Arduini, ORDC
ORDC (file)



Diagnostic Review Team Survey

Reason for Survey:

(e.g. formula, accident, constituent, etc.)

Gallion Corridor

Date: 8/26/2013

Location Data

| | | | |
|--|--------------------------------|-------------------------------------|--|
| Street or Road Name: Marion Williamsport Rd | | | |
| Route/Road Number (i.e. Twp., Co., SR or US) TR 162 | | USDOT No.: 262063C | |
| County: MAR | Township: Claridon | City: (In or Near) Marion | |
| Railroad Name: CSX Transportation | Railroad Division: Great Lakes | Branch/Line Name: Indianapolis Line | |
| Nearest RR Timetable Station: Marion | | RR Milepost: 95.65 | |

On-Site Review Team

(Include: Name - Organization - Phone Number - Email)

1. *Sp. Reinhardt* ORDC 614-684-0291
2. *John Doe* CSX 606-465-7455
3. *Charles Martin* PULCO 614-752-9107
4. *Amanda DeCesare* CSX m file
5. *Charles Martin* MICO 740-223-4110
6. *Chris Taylor* 1st CFD 740-225-8917
7. *John Doe* CLEGG/CHOW 740-3104106
- 8.
- 9.

Existing Traffic Control Devices

| Type of Warning Devices | Installed? | | Quantity/Comments |
|---------------------------------------|---|--|-------------------|
| Advance Warning Signs (condition?) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 1 |
| 'Stop' Signs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 'Stop Ahead' Signs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Pavement Markings (condition?) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Crossbucks | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | 2 w/ YIELD |
| Number of Tracks Signs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Inventory Tags | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Emergency |
| Interconnected Highway Traffic Signal | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Mast-Mounted Flashing Lights | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Cantilever Flashing Lights | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Number: Length: |
| Side Lights | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Automatic Gates | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Number: Length: |
| Balls | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Number: |
| Sidewalk Gate Arms | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 'No Turn' Signs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Illumination | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Is crossing flagged by train crew? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Other | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |

| Safety Data (Obtain crash reports, if possible, prior to review) | | |
|--|---|--|
| | Initial Information (from database) | Revised |
| Number & dates of crashes in previous 5 years | None | |
| Hazard Ranking | 1726 | Date Run: 7/30/2013 |
| Railroad Data | | |
| Railroad Characteristics | Initial Information (from database) | Revised |
| Total trains per day | 19 | |
| < 1 per day | | |
| Day thru trains | 9 | |
| Night thru trains | 10 | |
| Daytime switching movements | | |
| Nighttime switching movements | | |
| Total number of tracks | 1 | |
| Number of main tracks | 1 | |
| Number of other tracks | 0 | |
| Maximum train speed | 60 | |
| Typical train speed | 55 | |
| Amtrak | | |
| If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| If multiple tracks, can two trains occupy crossing at the same time? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Can one train block the motorists' view of another train at crossing? <input type="checkbox"/> Yes (Explain below) <input type="checkbox"/> No | | |
| Can one or more tracks be eliminated through the crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Are there other track(s) crossing this same roadway within 100 ft of this crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| If yes, Crossing DOT # (if different) _____ | | |
| If yes, distance _____ (take measurement between track centerlines at closest point along roadway) | | |
| Roadway Data | | |
| Local Highway Authority: | | Claridon Twp |
| Roadway Characteristics | Initial Information (from database) | Revised |
| Average daily traffic | 44 (2011) | |
| Highway paved | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Roadway Surface: | <input checked="" type="checkbox"/> Blacktop <input type="checkbox"/> Gravel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____ | |
| Roadway width: | 8 ft. | |
| Number of highway lanes | 2 | |
| Urban or Rural | Rural | |
| Vehicle Speed: | 55 MPH | |
| School Bus Operation: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes 4 Amount | | |
| Hazardous Materials Trucks: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes _____ Amount | | |
| Shoulders: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | | |
| Is the shoulder surfaced? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | | |
| Is there existing guardrail along roadway in crossing vicinity? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | | |
| Is stopping site distance adequate? (See Table 2) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, deficient approach(es) _____ | | |

| | |
|---|---|
| Quadrant _____ Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None | Quadrant _____ Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None |
| Pedestrians: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Is sidewalk present? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Is there a nearby intersection that could cause queuing over the crossing? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, Distance _____ | |
| Is this intersection signalized? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Are the signals currently interconnected with the existing crossing warning devices? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Is there a 'Do not Stop on Track' sign? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Is a roadway improvement project (e.g. widening, turn lanes, nearby new or upgraded traffic signal, sidewalk) planned at or near this location in the foreseeable future? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes, Improvement type _____ Lead Agency _____ Timeline/completion _____ | |
| Is it the consensus of the Diagnostic Review Team that this is a potential closure project? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes Explain reasons: Road goes to two homes. | |
| Type of Development | |
| <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Industrial <input type="checkbox"/> Residential | <input type="checkbox"/> Institutional <input type="checkbox"/> Commercial Location of nearby schools: _____ |
| Utility Information | |
| Is commercial power available? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes | |
| Utility Provider (Company Name) _____ Phone Number _____ | |
| Nearest Available Power Source _____ | |
| What other utilities are present? (add locations to sketch) <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Gas <input type="checkbox"/> Petroleum <input type="checkbox"/> Other </div> <div> <input type="checkbox"/> Cable <input type="checkbox"/> Water </div> <div> <input type="checkbox"/> Telephone <input type="checkbox"/> Sanitary Sewer </div> <div> <input type="checkbox"/> Fiber Optic Cable </div> </div> | |
| Is(are) there potential utility conflict(s) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown | |
| Comments: | |

Potential Red Flags / Project Challenges

Traffic Signal Preemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):

Crossing Consolidation or Closure:

Close Crossing & Build Roadway North of Track to SR98

Real Estate or ROW:

Culverts / Drainage / Ballast Conditions:

Roadway and/or Sidewalks:

Circuitry (e.g. reaches out to other crossings, specific needs, etc.):

Environmental:

Other:

JL
8-26-13

Diagnostic Team Recommendations

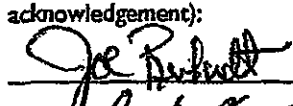
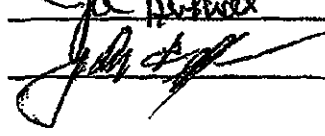

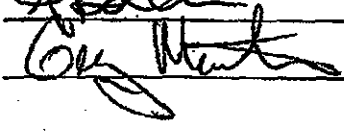
| | Quadrants Needed |
|--|------------------|
| <input checked="" type="checkbox"/> Install/upgrade active devices | |
| <input type="checkbox"/> Automatic Flashing Lights (AFLS) | |
| <input type="checkbox"/> AFLS / Cants | |
| <input checked="" type="checkbox"/> AFLS / Gates | |
| <input type="checkbox"/> AFLS / Gates / Cants | |
| <input type="checkbox"/> Bells / number | |
| <input type="checkbox"/> Upgrade circuitry / type | |
| <input type="checkbox"/> Sidelights | |
| <input type="checkbox"/> Guardrail Needed | |
| <input type="checkbox"/> Install/Replace curb | |
| <input type="checkbox"/> Bungalow placement & offset from rail & highway | |
| <input type="checkbox"/> Other (define) | |

Comments:

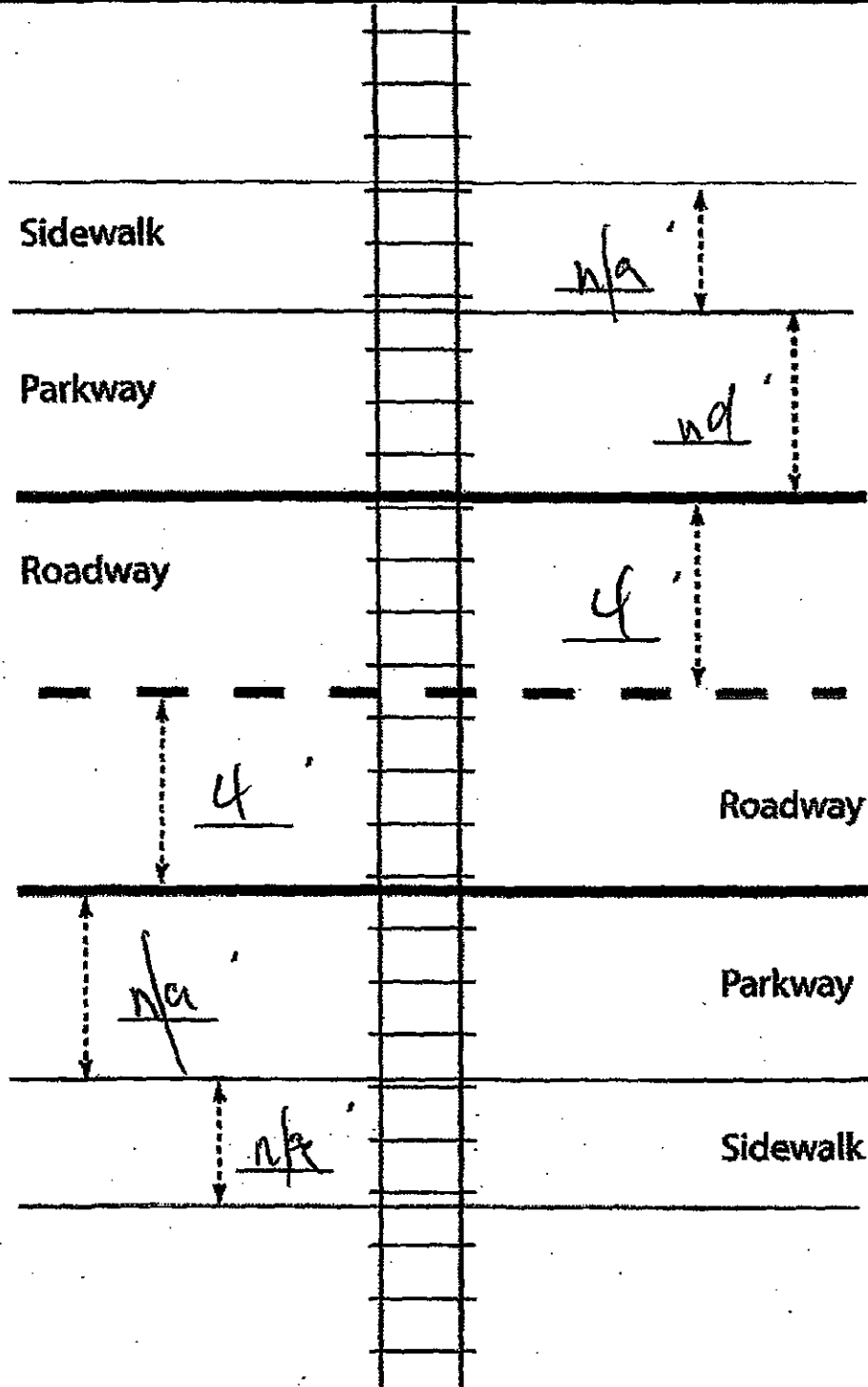
If Closure doesn't succeed, gate the crossing.

| | |
|--|---------|
| <input type="checkbox"/> Install/upgrade traffic signal preemption | |
| <input type="checkbox"/> No improvements needed | |
| <input checked="" type="checkbox"/> Other (define) | Closure |

Acknowledgement of Recommendations (each entity represented at the diagnostic must have at least one signature acknowledgement):

Field Dimensions



Show North Direction

Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured In _____ Quadrant?

Measurements by JP

