12-2387-RR-FE

Public Utilities Commission of Ohio



Memo

To:		
From:	George Martin, Grade Crossing Planner, Rail Division	
Re:	In the matter of the authorization of CSX Transportation to install an active graw warning device in Union County	de crossing
Date:	August 28, 2012	

The Ohio Rail Development Commission (ORDC) has authorized funding for C\$X Transportation (CSX) to install mast-mounted flashing lights and roadway gates at the Paver Barnes Rd/CR 134 grade crossing, DOT# 513814M, located in Liberty Township, Union County. The crossing was surveyed on November 8, 2011, and was found to warrant the upgrade.

The project will be paid for with federal funds, and is actual cost. As the plan and estimate has already been submitted and approved, staff requests an Entry with completion of the projects in nine months. Construction may commence at once. Staff requests that the following language be incorporated in the Entry:

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. 12- 2387 -RR-FED In the matter of the authorization of CSX Transportation to install an active grade crossing warning device in Union County

C: Legal Department

Please serve the following parties of record

RECEIVED-DOCKETING DIV 2012 AUG 28 AM 10: 51 PUCO

Page 1

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business. Technician ______ Date Processed _______ AUG 2.8 7017 Ms Susan Kirkland Ohio Rail Development Commission 1980 West Broad St, 2nd Floor Columbus, Oh 43223

Ms Amanda DeCesare

CSX Transportation

1717 Dixie Hwy, Ste 400

Ft Wright, Ky 41011

Mr Tom Messerly

Union County Engineer's Office

233 West Sixth Street

Marysville, Ohio 43040

Union Rural Electric

OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO:	Leah Thomas-Dalton, Rail Division Chief, PUCO
FROM:	Susan Kirkland, Manager, Safety Section, ORDC
BY:	Joe Reinhardt, Project Manager ORDC
SUBJECT:	Union County, Paver-Barnes Road DOT 513814M, PID 92774
DATE:	August 3, 2012

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on Paver-Barnes Road. The Ohio Rail Development Commission (ORDC) attended the review. The Diagnostic Team recommended the improvement of warning devices to flashing lights and roadway gates. Copies of the diagnostic review form and the plan and estimate are attached.

PE has already been provided by the railroad. ORDC approves the site plans and estimates as provided. Please issue a construction-only order for the project outlined above. This construction authorization is 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.

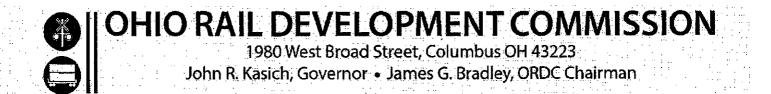
It is expected that all work necessary for FHWA 'acceptance of the warning devices will be completed by the in-service due date and that the <u>railroad will be responsible</u> for this work. This work includes, but is not limited to:

- 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)



August 3, 2012

Ms. Amanda DeCesare Project Manager 1717 Dixie Highway, Suite 400 Fort Wright, KY 41011

RE: Union County, Paver Barnes Road, DOT 513814M PID 92774, OH0882

Dear Ms. DeCesare:

The plan and estimate dated July 24, 2012, 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 \$178,359.00. 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 will furnish prior written notification of their scheduled date to start construction to George Martin, PUCO, Railroad Division.
- 2. CSX's project foreman will furnish FAX or written notification five (5) working days prior to the date work will start at the project site to Joseph Reinhardt, Ohio Rail Development Commission (ORDC), 1980 West Broad Street, Columbus, Ohio 43223, email joe.reinhardt@dot.state.oh.us or FAX (614) 728-4520, (telephone number 614-580-7728), and to the Public Utilities Commission of Ohio at 180 East Broad Street, Columbus, Ohio 43215, email <u>George.martin@puc.state.oh.us</u>, (telephone number 614-752-9107). 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.
- 3. 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.
- 4. CSX's project foremen will notify Joe Reinhardt 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.

- 5. CSX will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed Encumbrance Estimate to reference when billing.
- 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.

Thank you for your assistance with these matters.

Sincerely, had serel. Joseph Reinhardt

Froject Manager

C: Leah Thomas-Dalton, Rail Division Chief, PUCO George Martin, PUCO, Grade Crossing Planner ORDC (file)



Diagnostic Review Team Survey

· .			Date: //	<u>8.11</u>	
Location Data					
Street or Road Name: Paver-Barnes Rd.	an a tha an				
Route/Road Number (i.e. Twp., Co., SR or US) CR 134	····		AR-DOT No.:	513814	1
Courses	IBERTY	City: (In or Near)	Peoria		
Railroad Name: CSX Transportation, Inc.	Railroad Division: Great Lake			Branch/Line Name:	Scottslawn SEC
Nearest RR Timetable Station: Ada	· · · ·		RR Milepost:	98.26	QT
On-Site Review Team					
(Include: Name - Organization - Phone Number -	Email)				
1. Tom Messerly - Union County Liberty	<u> 7 Township - 937.645.31</u>	18			
2. Jeff Stauch - Union County Liberty Te	wnship937.645.3018-				
3. MIKE FORTE ORDC		87	MIKE.	FORTE	DOT. STATE, OH. US
4. GERLSE MARTIN PUCO	614-752-9	107			
	614-301.3	5412			
6. Karen Murphy CSX					
7. Tom MESSERLY UNION C					
	<u>417 137 475 -</u>				
8					·
9	<u> </u>		·	·	
Existing Traffic Control Devices		a kasalah jeg	बन वाहितर्दित हुन्छ इ.स.चुराव्युक्त नहिल्ली	ang Katang Marang Katalan	
Type of Warning Devices	· ∕ Installe	d?	a ta a b 1278 	Quantity/	Comments
Advance Warning Signs (condition?)	✓ Yes	□ No	GOOD		
'Stop' Signs	Yes	No No			
'Stop Ahead' Signs	Yes	No NA			
Pavement Markings (condition?)	√ Yes	No	GOOD)	
Crossbucks	V Yes	No No	2		DARD
Number of Tracks Signs	T Yes	No NA			
Inventory Tags	V Yes	N₀	2		* •• •
Interconnected Highway Traffic Signal	Yes	No NA	1		
Mast-Mounted Flashing Lights		No No	*		
Cantilever Flashing Lights	Yes	1 No	Number:	·	Length:
Side Lights		V No			
Automatic Gates		Mo	Number:		Length;
Bells		No	Number:		
Sidewalk Gate Arms		TT No			
'No Turn' Signs	T Yes	[/] No			
Illumination	V Yes	<u></u>	1		
Is crossing flagged by train crew?		M No			
Other		No No		<u> </u>	

Number & dates of crashes	In .0		
n previous 5 years fazard Ranking	541	Date Run: 10/27/11	
Railroad Data	9 4 1		
Railroad Characteris		Initial Information (from database)	Revised
otal trains per day	LICS	15	Kevised
< per day		15	
Day thru trains		7	
Night thru trains		4	
Daytime switching moveme	nts	4	· · · · · · · · · · · · · · · · · · ·
Nighttime switching movem		0	
otal number of tracks			
Number of main tracks		1	
Number of other tracks		0	
faximum train speed		50	
Typical train speed		· · · · · · · · · · · · · · · · · · ·	45 To 50
Amtrak		You You Dave State	N
Can one train block the motor Can one or more tracks be eli	ists' view o minated thr	rossing at the same time? Yes No of another train at crossing? Yes (Explain be rough the crossing? Yes No	and the second
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Quadrant NW Curb and Gutter:	Quadrant SE Curb and Gutter:
Functional (Curb height = 4" or more)	Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
1 None	None
Pedestrians: VNO Yes	
Is sidewalk present? V No Yes	
Is there a nearby intersection that could cause queuing over the c	rossing? 🔽 No 🗌 Yes
If yes, Distance	
ls this intersection signalized? 🔲 No 🛛 🗌 Yes	
Are the signals currently interconnected with the existing crossi	ing warning devices? 🔲 No 🛛 🗌 Yes
ls there a 'Do not Stop on Track' sign? 🗌 No 👘 🗌 Yes	
location in the foreseeable future? I No Yes	by new or upgraded traffic signal, sidewalk) planned at or near this
Improvement type Lead Agency	Timeline/completion
Is it the consensus of the Diagnostic Review Team that this is a po Explain reasons: TRAFFIC IMPACT	otential closure project: 🗹 No 🗌 Yes
an a success the standard and provide any end of the second standard stan	
Type of Development	
Den Space Institutional Location of nearby	
Industrial Commercial MILE	RAYMOND ELEMENTARY
Utility Information	
Is commercial power available? No	and the second s
Utility Provider (Company Name) <u>'INION MUAL US</u>	CILIC Phone Number 419-752.2441
Nearest Available Power Source AT CROSSING	······································
What other utilities are present? NONE	
(add locations to sketch)	
Is(are) there potential utility conflict(s) Tes V No [Unknown
Commoner	
NO OUPS MARXS	•

Potential Re	ed Flags / Project Challenges
Traffic Signal Pro	eemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):
NA	
Crossing Conso	lidation or Closure:
NÐ	
Real Estate or R	
ΝŨ	RR ROW 100'
Culverts / Drain	age / Ballast Conditions:
би	
Roadway and/or	- Sidewalks:
NÛ	
	eaches out to other crossings, specific needs, etc.):
ЮN	· z
Environmental:	
NO	for a direct of the State BUCC
Other:	
ND	
	·

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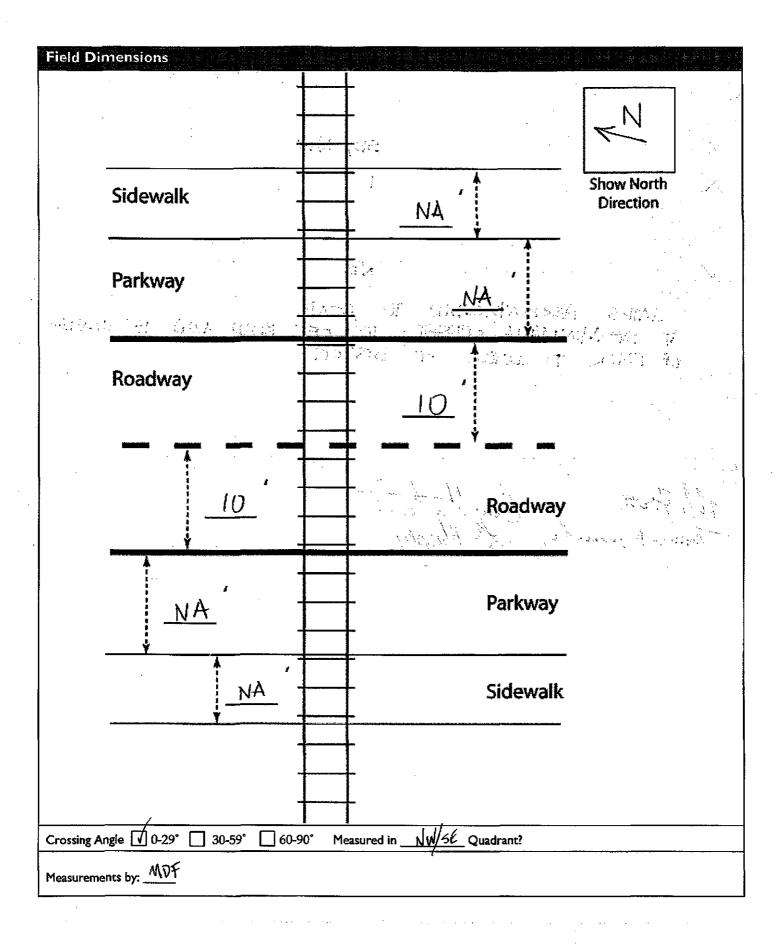
Diagnostic Team Recommendations	
	Quadrants Needed
Install/upgrade active devices	
Automatic Flashing Lights (AFLS)	
AFLS /Cants	
AFLS / Gates	SE, NW
AFLS / Gates / Cants	
Bells / number	
Upgrade circuitry / type	·
Sidelights	
Guardrail Needed	
Install/Replace curb	
Bungalow placement & offset from rail & highway	NE
Other (define)	
AT SF MINIMUM OFFSET OF TRACK TO CENTER OF	TO ROAD 10' OFF ROAD AND 15' CENTER DEVICE.
Instail/upgrade traffic signal preemption	
No improvements needed	
C Other (define)	
Acknowledgement of Recommendations (each entity represented acknowledgement): <u>M. Jortā</u> <u>Thomas Nursuly</u> <u>Margle</u>	ed at the diagnostic must have at least one signature

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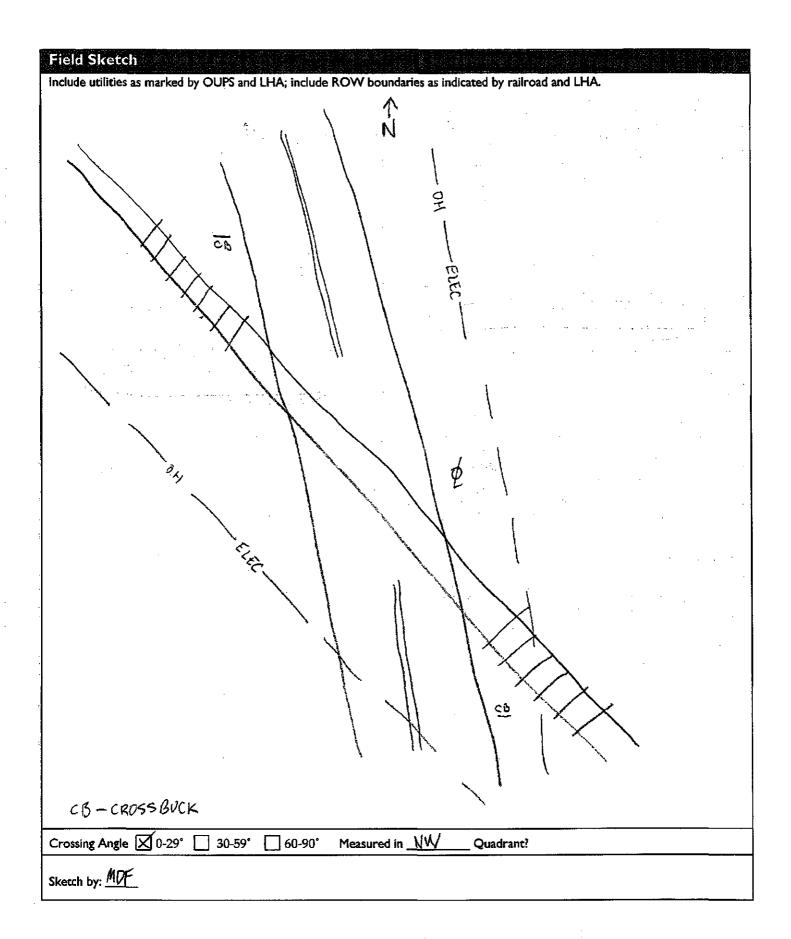


TABLE I

Clearing Sight Distances

Distance (dT) Along Railroad from Crossing (ft)				
240				
360				
480				
600				
720				
840				
960				
1080				
1200				
1320				
1440				
1560				
1680				
1800				
1920				
2040				
2160				

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133) Notes:

All calculated distances are rounded up to the next higher 5foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers and level single track 90 degree crossings; and may need to be adjusted for multiple tracks, skewed crossings or approaches on grades.

Clearing Sight Distance is to be measured in each vehicle travel direction at <u>non-gated crossings</u> as viewed from a point 25 feet from centerline of nearest track in the center of whichever travel iane is nearest the direction along track being measured.

Table 2

Stopping Sight Distances

	<u> </u>
Highway Vehicle Speed	Distance (dH) Along Roadway from Crossing (ft)
0	n/a
5	50
0	70
15	105
20	135
25	180
30	225
35	280
40	340
45	410
50	490
(55	570
60	660
65	760
70	865

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers on dry level pavements.

Stopping Sight Distance is to be measured on each roadway approach to crossing from stop bar.