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**Public Utilities  
Commission of Ohio**

2011 APR 25 PM 3:48

# Memo PUCO

**To:** Docketing Division  
**From:** Jill Henry, Rail Specialist, Rail Division  
**Cc:** PUCO Legal Department  
**Date:** 4/25/11

**Re:** PUCO Case No. 10-204-RR-STP- In the matter of a request for CSX Transportation, Inc. to install active grade crossing warning devices in Butler County, Oxford Township at Taylor Rd.(DOT#154-092R) and Ringwood Rd. (DOT#154-089H).

On January 21, 2010, Commission Staff, The Ohio Rail Development Commission (ORDC), CSX Transportation, Inc.(CSX), and Oxford Township, Butler County, Ohio entered into an agreement whereby active grade crossing warning devices would be installed in Butler County, Oxford Township at Ringwood Rd. (DOT#154-089H).

By Commission order issued March 3, 2010, the Commission ordered the installation of active of warning devices at the following crossing.

Railroad	Street	DOT#	City/County	Date of Completion
CSX	Ringwood Road	(154-089H)	Oxford Township/Butler County	2/10/2011

A final inspection was conducted by the Rail Division on April 7, 2011. On the basis of the attached final report for the grade crossing project, staff has determined that the project has been put-in-service.

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 MI Date Processed SEP 15 2011

Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division

**Highway Grade Crossing Warning System Installation Detail 1**

Railroad = CSX Transportation Line = Indianapolis  
Location = Ringwood Road AAR# = 154089H M.P. = 41.72  
City = College Corner State = Ohio County = Butler  
Construction Start Date = 1/24/2011

**Visible Warning Devices Detail**

NE Quad

# Flasher Mast	<u>          </u>	# Gate Mast	<u>1</u>	# Cantilever	<u>          </u>
# Crossbucks	<u>1</u>	Gate Arm Length	<u>12'</u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>1</u>	# 1-Way lights	<u>          </u>	# Bells	<u>1</u>
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	<u>          </u>	# Multiple Track Signs	<u>          </u>

SW Quad

# Flasher Mast	<u>          </u>	# Gate Mast	<u>1</u>	# Cantilever	<u>          </u>
# Crossbucks	<u>          </u>	Gate Arm Length	<u>14'</u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>1</u>	# 1-Way lights	<u>          </u>	# Bells	<u>          </u>
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	<u>          </u>	# Multiple Track Signs	<u>          </u>

         Quad

# Flasher Mast	<u>          </u>	# Gate Mast	<u>          </u>	# Cantilever	<u>          </u>
# Crossbucks	<u>          </u>	Gate Arm Length	<u>          </u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>          </u>	# 1-Way lights	<u>          </u>	# Bells	<u>          </u>
2-Way Lights Size	<u>          </u>	1-Way Lights Size	<u>          </u>	# Multiple Track Signs	<u>          </u>

         Quad

# Flasher Mast	<u>          </u>	# Gate Mast	<u>          </u>	# Cantilever	<u>          </u>
# Crossbucks	<u>          </u>	Gate Arm Length	<u>          </u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>          </u>	# 1-Way lights	<u>          </u>	# Bells	<u>          </u>
2-Way Lights Size	<u>          </u>	1-Way Lights Size	<u>          </u>	# Multiple Track Signs	<u>          </u>

Public Utilities Commission of Ohio  
Transportation Department  
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Highway Grade Crossing Warning System Installation Detail 2

Railroad = CSX Transportation Line = Indianapolis  
Location = Ringwood Road AAR# = 154089H M.P. = 41.72  
City = College Corner State = Ohio County = Butler  
Construction Start Date = 1/24/2011

Underground Cable & Conduit Detail

Footage of 19 Comp to Signal 1 145 Signal 2 165 Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
Footage of 7c/#14 to: Signal 1 \_\_\_\_\_ Signal 2 \_\_\_\_\_ Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
Footage of 2c/#6 to: Track 1 300 Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
Footage of 7c/#14 to: Location 1 \_\_\_\_\_ Location 2 \_\_\_\_\_ Location 3 \_\_\_\_\_ Location 4 \_\_\_\_\_  
Footage of 3c/#9 to: Power 1 35 Power 2 \_\_\_\_\_ Power 3 \_\_\_\_\_ Power 4 \_\_\_\_\_  
4" Conduit under Road = 40 Under tracks = 20 Under Other = \_\_\_\_\_

Control Equipment Detail

# of Instrument Cases or Bungalows = 1 # of Battery Boxes. \_\_\_\_\_  
# of GCP Units = 1 Manufacturer = Safetran Model # = 4000  
# of PMD Units = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
# of "C" Inverters = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
GCP Frequency. Unit 1 285 Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
PMD Frequency. Unit 1 \_\_\_\_\_ Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
Approach Length. Track 1 2934' Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
Island Length. Track 1 124' Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
XB12 Amp Hour = 165 OB12 Amp Hour = 165 BGB12 Amp Hour = 165

Public Utilities Commission of Ohio  
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Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = CSX Transportation Line = Indianapolis  
Location = Ringwood Road AAR# = 154089H M.P. = 41.72  
City = College Corner State = Ohio County = Butler  
Cut Over Test Date = 2/9/2011

Attendance Info

PUCO 1 Shawn Zurfley Railroad 1 Darren Urfer  
PUCO 2 Jill Henry Railroad 2 Carl Kreuzer  
PUCO 3 Steve Horner Railroad 3 \_\_\_\_\_

Inspection & Tests Made

Locks? Yes Plans in case and correct? Yes  
Insulation Resistance Test made? Yes Relay Test Made? NA  
XB12 Volts = 13.2VDC OB12 Volts = 12VDC BGB12 Volts = 14.9VDC  
Grounds Test made? Yes Case and Bases Tagged? Yes  
Lamp Volts AC = 10VDC Lamp Volts DC = 10VDC  
Lights Focused? Yes Flash Rate = 55 FPM @ Light  
Gate Arm and lights proper? Yes Gate Arm Movement proper? Yes  
Bells Operate? Yes Traffic Pre-emption operates properly? NA  
MS / GCP Island Shunt with no time out? Yes AC/DC Island Shunted? \_\_\_\_\_  
MS / GCP Approach Shunt with time out? Yes AC/DC Approach Shunted? \_\_\_\_\_  
Tested under train moves this date? Yes Warning Time observed or set = 32 SEC

Public Utilities Commission of Ohio  
Transportation Department  
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Highway Grade Crossing Warning System Installation Outline

Railroad = CSX Transportation Line = Indianapolis  
Location = Ringwood Road AAR# = 154089H M.P. = 41.72  
City = College Corner State = Ohio County = Butler  
Construction Start Date = 1/24/2011 Cut Over Test Date = 2/9/2011

Visible Warning Devices Outline

# Gate masts.	<u>2</u>	# Cantilever Masts.	<u>0</u>	# Flasher Masts.	<u>0</u>
# 2 - Way light units.	<u>2</u>	# 1 - Way Light units.	<u>0</u>		
# Crossbucks.	<u>1</u>	# Multiple Track Signs.	<u>0</u>	# Bells.	<u>1</u>

Underground Cable & Conduit Outline

<u>310</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>0</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>300</u>	Ft. 2c/#8 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>35</u>	Ft. 3c/#9 Power Cable.		
<u>60</u>	Ft. 4" Conduit.		

Control Equipment Outline

# of Instrument Cases or Bungalows =	<u>1</u>	# of Battery Boxes =	<u>0</u>		
# of GCP Units =	<u>1</u>	Manufacturer =	<u>Safetran</u>		
# of PMD Units =	<u>0</u>	Model # =	<u>4000</u>		
# of "C" Inverters =	<u>0</u>	Manufacturer =	<u>0</u>		
		Model # =	<u>0</u>		
		Model # =	<u>0</u>		
GCP Frequency.	Unit 1 <u>285</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>	
PMD Frequency.	Unit 1 <u>0</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>	
Approach Length.	Track 1 <u>2934'</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
Island Length.	Track 1 <u>124'</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
B12 Amp Hour =	<u>165</u>	GB12 Amp Hour =	<u>165</u>	MSB12 Amp Hour =	<u>165</u>

The above described apparatus was observed to be installed in accordance with State, Federal, and MUTCD standards and regulations. ( Except those defects noted on FRA Report)

The above described location was observed to operate as designed in accordance with FRA standards and regulations. ( Except those defects noted on FRA Report)

Name Shawn A. Zurfley

Title PUCO/FRA Inspector  
Date April 12, 2011