

FILE

10-1136-RR-STP

9

Public Utilities  
Commission of Ohio

# Memo

**To:** Docketing Division  
**From:** Jill Henry, Rail Specialist, Rail Division  
**Cc:** PUCO Legal Department  
**Date:** 5/19/2011

PUCO

2011 MAY 19 AM 9:11

RECEIVED-DOCKETING DIV.

**Re:** PUCO Case No. 10-1136-RR-STP- In the matter of a request for RJ Corman Railroad Company to install active grade crossing warning devices in Tuscarawas County, Village of Strasburg, at 1<sup>st</sup> Street E (DOT#142-585U) and 4<sup>th</sup> Street SE (DOT#142-586B).

On June 16, 2010, Commission Staff, The Ohio Rail Development Commission (ORDC), RJ Corman Railroad Company (RJC), and the Village of Strasburg, Tuscarawas County, Ohio entered into an agreement whereby active grade crossing warning devices would be installed in Tuscarawas County, Village of Strasburg, at 1<sup>st</sup> Street E (DOT#142-585U) and 4<sup>th</sup> Street SE (DOT#142-586B).

On August 13, 2010, The Ohio Rail Development Commission authorized funding for the projects.

On September 1, 2010, the Commission issued a Finding and Order approving the projects and requiring completion of the projects by September 1, 2011.

The crossing projects have been completed as follows:

	Street	DOT#	County	Date of Completion
1)	1 <sup>st</sup> Street E	(142-585U)	Tuscarawas County	5/8/2011
2)	4 <sup>th</sup> Street SE	(142-586B)	Tuscarawas County	5/8/2011

On the basis of the attached final reports for all the grade crossing projects, staff has determined that the above projects have been put-in-service. Accordingly, the above case may be closed.

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 SM Date Processed MAY 19 2011

Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division

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

Railroad = RJ Corman Line = 16  
Location = 1st Street AAR# = 142585U M.P. = 79.1  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011

**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>21</u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>2</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>1</u>	Gate Arm Length	<u>21</u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>1</u>	# 1-Way lights	<u>1</u>	# Bells	<u>1</u>
2-Way Lights Size	<u>12</u>	1-Way Lights Size	<u>12</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  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Detail 2**

Railroad = RJ Corman Line = 16  
Location = 1st Street AAR# = 142585U M.P. = 79.1  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011

**Underground Cable & Conduit Detail**

Footage of 5c/#6 to: Signal 1 66 Signal 2 125 Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
Footage of 7c/#14 to: Signal 1 66 Signal 2 125 Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
Footage of 2c/#6 to: Track 1 225 Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
Footage of 3c/#9 to: Signal 1 66 Signal 2 125 Location 3 \_\_\_\_\_ Location 4 \_\_\_\_\_  
Footage of 3c/#9 to: Power 1 40 Power 2 \_\_\_\_\_ Power 3 \_\_\_\_\_ Power 4 \_\_\_\_\_  
4" Conduit under Road = 70 Under tracks = 20 Under Other = \_\_\_\_\_

**Control Equipment Detail**

# of Instrument Cases or Bungalows = 1 # of Battery Boxes. 0  
# of GCP Units = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
# of PMD Units = 1 Manufacturer = Harmon Model # = HXP PMD 3R  
# of "C" Inverters = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
GCP Frequency. Unit 1 \_\_\_\_\_ Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
PMD Frequency. Unit 1 392 Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
Approach Length. Track 1 1247 Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
Island Length. Track 1 120 Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
MB12 Amp Hour = 312 XB12 Amp Hour = 264 MSB12 Amp Hour = \_\_\_\_\_

**Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Cut Over Test**

Railroad = RJ Corman Line = 16  
Location = 1st Street AAR# = 142585U M.P. = 79.1  
City = Strasburg State = Ohio County = Tuscarawas  
Cut Over Test Date = 5/8/2011

**Attendance Info**

PUCO 1 Shawn Zurfley Railroad 1 Jim Boles  
PUCO 2 Jill Henry Railroad 2 \_\_\_\_\_  
PUCO 3 \_\_\_\_\_ Railroad 3 \_\_\_\_\_

**Inspection & Tests Made**

Locks? Yes Plans in case and correct? Yes  
Insulation Resistance Test made? Yes Relay Test Made? Yes  
XB12 Volts = 15.75 MB12 Volts = 13.7 MSB12 Volts = \_\_\_\_\_  
Grounds Test made? Yes Case and Bases Tagged? Yes  
Lamp Volts AC = 10 Lamp Volts DC = 10  
Lights Focused? Yes Flash Rate = 52 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? No Warning Time observed or set = 30

**Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Outline**

Railroad = RJ Corman Line = 16  
Location = 1st Street AAR# = 142585U M.P. = 79.1  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011 Cut Over Test Date = 5/8/2011

**Visible Warning Devices Outline**

# Gate masts. <u>2</u>	# Cantilever Masts. <u>0</u>	# Flasher Masts. <u>0</u>
# 2 - Way light units. <u>3</u>	# 1 - Way Light units. <u>1</u>	
# Crossbucks. <u>2</u>	# Multiple Track Signs. <u>0</u>	# Bells. <u>2</u>

**Underground Cable & Conduit Outline**

<u>191</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>191</u> Ft. 7c/#14 Control/Flasher Cable.
<u>225</u> Ft. 2c/#6 Track Cable.	<u>191</u> Ft. 7c/#14 Express Cable.
<u>40</u> Ft. 3c/#9 Power Cable.	
<u>90</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>0</u> Manufacturer = <u>0</u>	Model # = <u>0</u>
# of PMD Units = <u>1</u> Manufacturer = <u>Harmon</u>	Model # = <u>HXP PMD 3R</u>
# of "C" Inverters = <u>0</u> Manufacturer = <u>0</u>	Model # = <u>0</u>

  

GCP Frequency.	Unit 1 <u>0</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>
PMD Frequency.	Unit 1 <u>392</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>
Approach Length.	Track 1 <u>1247</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>
Island Length.	Track 1 <u>120</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>

  

B12 Amp Hour = <u>312</u>	GB12 Amp Hour = <u>264</u>	MSB12 Amp Hour = <u>0</u>
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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 May 16, 2011

Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division

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

Railroad = RJ Corman Line = 16  
Location = 4th Street AAR# = 142586B M.P. = 78.9  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011

**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>16</u>	Cantilever Length	<u>          </u>
# 2-Way Lights	<u>          </u>	# 1-Way lights	<u>3</u>	# Bells	<u>1</u>
2-Way Lights Size	<u>          </u>	1-Way Lights Size	<u>12</u>	# Multiple Track Signs	<u>          </u>

SW Quad

# Flasher Mast	<u>          </u>	# Gate Mast	<u>1</u>	# Cantilever	<u>          </u>
# Crossbucks	<u>1</u>	Gate Arm Length	<u>16</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>

         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  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Detail 2**

Railroad = RJ Corman Line = 16  
Location = 4th Street AAR# = 142586B M.P. = 78.9  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011

**Underground Cable & Conduit Detail**

Footage of 5c/#6 to: Signal 1 100 Signal 2 50 Signal 3        Signal 4         
Footage of 7c/#14 to: Signal 1 100 Signal 2 50 Signal 3        Signal 4         
Footage of 2c/#6 to: Track 1 200 Track 2        Track 3        Track 4         
Footage of 3c/#9 to: Signal 1 100 Signal 2 50 Location 3        Location 4         
Footage of 3c/#9 to: Power 1 70 Power 2        Power 3        Power 4         
4" Conduit under Road = 30 Under tracks = 20 Under Other =       

**Control Equipment Detail**

# of Instrument Cases or Bungalows = 1 # of Battery Boxes. 0  
# of GCP Units =        Manufacturer =        Model # =         
# of PMD Units = 1 Manufacturer = Harmon Model # = IXP PMD 3R  
# of "C" Inverters =        Manufacturer =        Model # =         
GCP Frequency. Unit 1        Unit 2        Unit 3        Unit 4         
PMD Frequency. Unit 1 392 Unit 2        Unit 3        Unit 4         
Approach Length. Track 1 1247 Track 2        Track 3        Track 4         
Island Length. Track 1 120 Track 2        Track 3        Track 4         
MB12 Amp Hour = 312 XB12 Amp Hour = 264 MSB12 Amp Hour =

**Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Cut Over Test**

Railroad = RJ Corman Line = 16  
Location = 4th Street AAR# = 142586B M.P. = 78.9  
City = Strasburg State = Ohio County = Tuscarawas  
Cut Over Test Date = 5/8/2011

**Attendance Info**

PUCO 1 Shawn Zurfley Railroad 1 Jim Boles  
PUCO 2 Jill Henry Railroad 2 \_\_\_\_\_  
PUCO 3 \_\_\_\_\_ Railroad 3 \_\_\_\_\_

**Inspection & Tests Made**

Locks? Yes Plans in case and correct? Yes  
Insulation Resistance Test made? Yes Relay Test Made? Yes  
XB12 Volts = 15.75 MB12 Volts = 15.6 MSB12 Volts = \_\_\_\_\_  
Grounds Test made? Yes Case and Bases Tagged? Yes  
Lamp Volts AC = 10 Lamp Volts DC = 10  
Lights Focused? Yes Flash Rate = 52 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? No Warning Time observed or set = 30



**Public Utilities Commission of Ohio  
Transportation Department  
Inspection & Investigation Division**

**Highway Grade Crossing Warning System Installation Outline**

Railroad = RJ Corman Line = 16  
Location = 4th Street AAR# = 142586B M.P. = 78.9  
City = Strasburg State = Ohio County = Tuscarawas  
Construction Start Date = 5/2/2011 Cut Over Test Date = 5/8/2011

**Visible Warning Devices Outline**

# Gate masts.	<u>2</u>	# Cantilever Masts.	<u>0</u>	# Flasher Masts.	<u>0</u>
# 2 - Way light units.	<u>1</u>	# 1 - Way Light units.	<u>3</u>		
# Crossbucks.	<u>2</u>	# Multiple Track Signs.	<u>0</u>	# Bells.	<u>2</u>

**Underground Cable & Conduit Outline**

<u>150</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>150</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>200</u>	Ft. 2c/#6 Track Cable.	<u>150</u>	Ft. 7c/#14 Express Cable.
<u>70</u>	Ft. 3c/#9 Power Cable.		
<u>50</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>0</u>	Manufacturer =	<u>0</u>		
# of PMD Units =	<u>1</u>	Manufacturer =	<u>Harmon</u>		
# of "C" Inverters =	<u>0</u>	Manufacturer =	<u>0</u>		
		Model # =	<u>0</u>		
		Model # =	<u>IXP PMD 3R</u>		
		Model # =	<u>0</u>		
GCP Frequency.	Unit 1 <u>0</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>	
PMD Frequency.	Unit 1 <u>392</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>	
Approach Length.	Track 1 <u>1247</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
Island Length.	Track 1 <u>120</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
B12 Amp Hour =	<u>312</u>	GB12 Amp Hour =	<u>264</u>	MSB12 Amp Hour =	<u>0</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 May 16, 2011