

FILE

Public Utilities
Commission of Ohio

Memo

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 10/25/10

Re: PUCO Case No. 09-1955-RR-STP- In the matter of a request for Wheeling and Lake Erie Railway Co. to install active grade crossing warning devices in Medina County at Beat Rd. (DOT#002-067N), Stone Rd. (DOT#002-066G), and Root Rd. (DOT#002-053F).

On December 14, 2009, Commission Staff, The Ohio Rail Development Commission (ORDC), Wheeling Lake Erie Railway Co.(WE), and Medina County, Ohio entered into an agreement whereby active grade crossing warning devices would be installed at Beat Rd. (DOT#002-067N), Stone Rd. (DOT#002-066G), and Root Rd. (DOT#002-053F).

On January 7, 2010, the Commission issued a Finding and Order approving the projects and requiring completion of the projects by January 7, 2011.

The crossing projects have been completed as follows:

	Street	DOT#	County	Date of Completion
1)	Beat Rd	(002-067N)	Medina County	9/25/2010
2)	Stone Rd.	(002-066G)	Medina County	9/24/2010
3)	Root Rd.	(002-053F)	Medina County	9/11/2010

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 OCT 25 2010

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Wheeling and Lake Erie Line = Akron
Location = Beat Road AAR# = 002067N M.P. = 132.5
City = Medina State = Ohio County = Medina
Construction Start Date = _____

Visible Warning Devices Detail

NW Quad

Flasher Mast _____ # Gate Mast 1 # Cantilever _____
Crossbucks 1 Gate Arm Length 17' Cantilever Length _____
2-Way Lights 1 # 1-Way lights _____ # Bells _____
2-Way Lights Size 12" 1-Way Lights Size _____ # Multiple Track Signs _____

SE Quad

Flasher Mast _____ # Gate Mast 1 # Cantilever _____
Crossbucks 1 Gate Arm Length 18' Cantilever Length _____
2-Way Lights 1 # 1-Way lights _____ # Bells 1
2-Way Lights Size 12" 1-Way Lights Size _____ # Multiple Track Signs _____

Quad

Flasher Mast _____ # Gate Mast _____ # Cantilever _____
Crossbucks _____ Gate Arm Length _____ Cantilever Length _____
2-Way Lights _____ # 1-Way lights _____ # Bells _____
2-Way Lights Size _____ 1-Way Lights Size _____ # Multiple Track Signs _____

Quad

Flasher Mast _____ # Gate Mast _____ # Cantilever _____
Crossbucks _____ Gate Arm Length _____ Cantilever Length _____
2-Way Lights _____ # 1-Way lights _____ # Bells _____
2-Way Lights Size _____ 1-Way Lights Size _____ # Multiple Track Signs _____

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

Highway Grade Crossing Warning System Installation Detail 2

Railroad = Wheeling and Lake Erie Line = Akron
Location = Beat Road AAR# = 002067N M.P. = 132.5
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 175 Signal 2 75 Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 175 Signal 2 75 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 275 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 1 800' 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. 0
of GCP Units = 1 Manufacturer = HARMON Model # = HXP3
of PMD Units = Manufacturer = Model # =
of "C" Inverters = Manufacturer = Model # =
GCP Frequency. Unit 1 452HZ Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 2000 Track 2 Track 3 Track 4
Island Length. Track 1 120' Track 2 Track 3 Track 4
B12 Amp Hour = 250 OLB12 Amp Hour = 250 MSB12 Amp Hour =

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Wheeling and Lake Erie Line = Akron
Location = Beat Road AAR# = 002067N M.P. = 132.5
City = Medina State = Ohio County = Medina
Cut Over Test Date = _____

Attendance Info

PUCO 1 Shawn Zurfley Railroad 1 John Gresh
PUCO 2 _____ 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? N/A
B12 Volts = 12.8 OLB12 Volts = 14.3 MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 8.5 Lamp Volts DC = 8
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? N/A
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? N/A Warning Time observed or set = 26 seconds

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

Highway Grade Crossing Warning System Installation Outline

Railroad = Wheeling and Lake Erie Line = Akron
Location = Beat Road AAR# = 002067N M.P. = 132.5
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900 Cut Over Test Date = 1/0/1900

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>2</u>	# Multiple Track Signs. <u>0</u>	# Bells. <u>1</u>

Underground Cable & Conduit Outline

<u>250</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>250</u> Ft. 7c/#14 Control/Flasher Cable.
<u>275</u> Ft. 2c/#6 Track Cable.	<u>0</u> Ft. 7c/#14 Express Cable.
<u>0</u> Ft. 3c/#9 Power Cable.	
<u>0</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>HARMON</u>	Model # = <u>HXP3</u>	
# of PMD Units = <u>0</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
# of "C" Inverters = <u>0</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
GCP Frequency.	Unit 1 <u>452HZ</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>2000</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>250</u>	GB12 Amp Hour = <u>250</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 October 19, 2010

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Wheeling and Lake Erie Line = Akron
Location = Stone Road AAR# = 002066G M.P. = 132.4
City = Medina State = Ohio County = Medina
Construction Start Date = _____

Visible Warning Devices Detail

NE Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>17'</u>	Cantilever Length	_____
# 2-Way Lights	<u>1</u>	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	_____	# Multiple Track Signs	_____

SW Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>18'</u>	Cantilever Length	_____
# 2-Way Lights	<u>1</u>	# 1-Way lights	_____	# Bells	<u>1</u>
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	_____	# Multiple Track Signs	_____

_____ Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	_____
# Crossbucks	_____	Gate Arm Length	_____	Cantilever Length	_____
# 2-Way Lights	_____	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	_____	1-Way Lights Size	_____	# Multiple Track Signs	_____

_____ Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	_____
# Crossbucks	_____	Gate Arm Length	_____	Cantilever Length	_____
# 2-Way Lights	_____	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	_____	1-Way Lights Size	_____	# Multiple Track Signs	_____

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

Highway Grade Crossing Warning System Installation Detail 2

Railroad = Wheeling and Lake Erie Line = Akron
Location = Stone Road AAR# = 002066G M.P. = 132.4
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 150 Signal 2 200 Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 150 Signal 2 200 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 280 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 1 175 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. 0
of GCP Units = 1 Manufacturer = HARMON Model # = HXP3
of PMD Units = Manufacturer = Model # =
of "C" Inverters = Manufacturer = Model # =
GCP Frequency. Unit 1 452HZ Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 2120 Track 2 Track 3 Track 4
Island Length. Track 1 163' Track 2 Track 3 Track 4
B12 Amp Hour = 250 OLB12 Amp Hour = 250 MSB12 Amp Hour =

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

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Wheeling and Lake Erie Line = Akron
Location = Stone Road AAR# = 002066G M.P. = 132.4
City = Medina State = Ohio County = Medina
Cut Over Test Date = _____

Attendance Info

PUCO 1 Shawn Zurfley Railroad 1 John Gresh
PUCO 2 _____ 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? N/A
B12 Volts = 12.6 OLB12 Volts = 14.5 MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 9.8 Lamp Volts DC = .9.8
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? N/A
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? N/A Warning Time observed or set = 27 seconds

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

Highway Grade Crossing Warning System Installation Outline

Railroad = Wheeling and Lake Erie Line = Akron
Location = Stone Road AAR# = 002066G M.P. = 132.4
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900 Cut Over Test Date = 1/0/1900

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>2</u>	# Multiple Track Signs. <u>0</u>	# Bells. <u>1</u>

Underground Cable & Conduit Outline

<u>350</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>350</u> Ft. 7c/#14 Control/Flasher Cable.
<u>280</u> Ft. 2c/#6 Track Cable.	<u>0</u> Ft. 7c/#14 Express Cable.
<u>175</u> Ft. 3c/#9 Power Cable.	
<u>0</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>HARMON</u>
# of PMD Units = <u>0</u>	Model # = <u>HXP3</u>
# of "C" Inverters = <u>0</u>	Model # = <u>0</u>
	Model # = <u>0</u>

GCP Frequency.	Unit 1 <u>452HZ</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>2120</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>
Island Length.	Track 1 <u>163'</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>

B12 Amp Hour = <u>250</u>	GB12 Amp Hour = <u>250</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 October 19, 2010

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Wheeling and Lake Erie Line = Akron
Location = Root Road AAR# = 002053F M.P. = 126.8
City = Medina State = Ohio County = Medina
Construction Start Date = _____

Visible Warning Devices Detail

NW Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>18'</u>	Cantilever Length	_____
# 2-Way Lights	<u>1</u>	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	_____	# Multiple Track Signs	_____

SE Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>18'</u>	Cantilever Length	_____
# 2-Way Lights	<u>1</u>	# 1-Way lights	_____	# Bells	<u>1</u>
2-Way Lights Size	<u>12"</u>	1-Way Lights Size	_____	# Multiple Track Signs	_____

_____ Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	_____
# Crossbucks	_____	Gate Arm Length	_____	Cantilever Length	_____
# 2-Way Lights	_____	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	_____	1-Way Lights Size	_____	# Multiple Track Signs	_____

_____ Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	_____
# Crossbucks	_____	Gate Arm Length	_____	Cantilever Length	_____
# 2-Way Lights	_____	# 1-Way lights	_____	# Bells	_____
2-Way Lights Size	_____	1-Way Lights Size	_____	# Multiple Track Signs	_____

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

Highway Grade Crossing Warning System Installation Detail 2

Railroad = Wheeling and Lake Erie Line = Akron
Location = Root Road AAR# = 002053F M.P. = 126.8
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 200' Signal 2 200' Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 200' Signal 2 130' Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 450 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 1 180' Power 2 Power 3 Power 4
4" Conduit under Road = 40' Under tracks = 40' Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1 # of Battery Boxes. 0
of GCP Units = 1 Manufacturer = HARMON Model # =
of PMD Units = Manufacturer = Model # =
of "C" Inverters = Manufacturer = Model # =
GCP Frequency. Unit 1 326HZ Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 2405 Track 2 Track 3 Track 4
Island Length. Track 1 Track 2 Track 3 Track 4
B12 Amp Hour = 250 OLB12 Amp Hour = 250 MSB12 Amp Hour =

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

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Wheeling and Lake Erie Line = Akron
Location = Root Road AAR# = 002053F M.P. = 126.8
City = Medina State = Ohio County = Medina
Cut Over Test Date = _____

Attendance Info

PUCO 1 Shawn Zurflay Railroad 1 John Gresh
PUCO 2 _____ 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
B12 Volts = _____ OLB12 Volts = _____ MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 9.6 Lamp Volts DC = 9.5
Lights Focused? yes Flash Rate = 54 FPM @ Light
Gate Arm and lights proper? yes Gate Arm Movement proper? yes
Bells Operate? yes Traffic Pre-emption operates properly? N/A
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? N/A Warning Time observed or set = 26 seconds

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

Highway Grade Crossing Warning System Installation Outline

Railroad = Wheeling and Lake Erie Line = Akron
Location = Root Road AAR# = 002053F M.P. = 126.8
City = Medina State = Ohio County = Medina
Construction Start Date = 1/0/1900 Cut Over Test Date = 1/0/1900

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>2</u>	# Multiple Track Signs. <u>0</u>	# Bells. <u>1</u>

Underground Cable & Conduit Outline

<u>0</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>0</u> Ft. 7c/#14 Control/Flasher Cable.
<u>450</u> Ft. 2c/#6 Track Cable.	<u>0</u> Ft. 7c/#14 Express Cable.
<u>0</u> Ft. 3c/#9 Power Cable.	
<u>0</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>HARMON</u>
# of PMD Units = <u>0</u>	Model # = <u>0</u>
# of "C" Inverters = <u>0</u>	Model # = <u>0</u>
	Model # = <u>0</u>

GCP Frequency.	Unit 1 <u>326HZ</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>2405</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>
Island Length.	Track 1 <u>0</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>

B12 Amp Hour = <u>250</u>	GB12 Amp Hour = <u>250</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 October 19, 2010