

Memo

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 1/20/12

Re: PUCO Case No. 11-831-RR-STP- In the matter of a request for Wheeling & Lake Erie Railway Company to install active grade crossing warning devices in Summit County, City of Twinsburg, at Cannon Road (DOT#472-691M) and Glenwood Drive (DOT#475-951N).

On February 11, 2011, Commission Staff, Wheeling & Lake Erie Railway Company (WE), and the City of Twinsburg, Summit County, Ohio entered into an agreement whereby active grade crossing warning devices would be installed in Summit County, City of Twinsburg, at Cannon Road (DOT#472-691M) and Glenwood Drive (DOT#475-951N).

On February 23, 2011, the Commission issued a Finding and Order approving the project and requiring the submission of plans and estimates by May 24, 2011 and construction to be completed by February 23, 2012.

The crossing projects have been completed as follows:

	Street	DOT#	County	Date of Completion
1)	Cannon Road	(475-691M)	Summit County	11/18/11
2)	Glenwood Road	(475-951N)	Summit County	11/16/11

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 Date Processed 1/20/12

PUCO

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RECEIVED-DOCKETING DIV

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

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Cannon Road AAR# = 475691M M.P. = Q 20.10
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes

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>18</u>	Cantilever Length	<u> </u>
# 2-Way Lights	<u>1</u>	# 1-Way lights	<u> </u>	# Bells	<u>0</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>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 = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Cannon Road AAR# = 475691M M.P. = Q 20.10
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes

Underground Cable & Conduit Detail

Footage of 7c/#6 to: Signal 1 120 Signal 2 135 Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 120 Signal 2 135 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 480 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 1 135 Power 2 Power 3 Power 4
4" Conduit under Road = 50 Under tracks = 10 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1-new # of Battery Boxes.
of GCP Units = Manufacturer = Model # =
of PMD Units = Manufacturer = Model # =
of "C" Inverters = 1 Manufacturer = GE Model # = TD-4
GCP Frequency. Unit 1 Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 440 Track 2 Track 3 Track 4
Island Length. Track 1 120 Track 2 Track 3 Track 4
B12 Amp Hour = 250 GB12 Amp Hour = MSB12 Amp Hour = 250

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

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Cannon Road AAR# = 475691M M.P. = Q 20.10
City = Twinsburg State = Ohio County = Summit
Cut Over Test Date = See Daily Notes

Attendance Info

PUCO 1 Robert J. Resutle Railroad 1 Scott Chandler
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
B12 Volts = 14.0vdc GB12 Volts = _____ MSB12 Volts = 12.5vdc
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 8.5vdc Lamp Volts DC = 8.5vdc
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? _____ AC/DC Island Shunted? Yes
MS / GCP Approach Shunt with time out? _____ AC/DC Approach Shunted? Yes
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 = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Cannon Road AAR# = 475691M M.P. = Q 20.10
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes Cut Over Test Date = See Daily Notes

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>255</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>255</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>480</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>135</u>	Ft. 3c/#9 Power Cable.		
<u>60</u>	Ft. 4" Conduit.		

Control Equipment Outline

# of Instrument Cases or Bungalows =	<u>1-new</u>	# of Battery Boxes =	<u>0</u>		
# of GCP Units =	<u>0</u>	Manufacturer =	<u>0</u>		
# of PMD Units =	<u>0</u>	Manufacturer =	<u>0</u>		
# of "C" Inverters =	<u>1</u>	Manufacturer =	<u>GE</u>		
		Model # =	<u>0</u>		
		Model # =	<u>0</u>		
		Model # =	<u>TD-4</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>0</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>	
Approach Length.	Track 1 <u>440</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>0</u>	MSB12 Amp Hour =	<u>250</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 and Notes included.)

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

NOTES

No double bonding at this location. Speed limit and Info signs obscure advance approach sightviews for motorists of approach flashing lights.

Name Robert J. Reustle

Title PUCO/FRA Inspector
Date January 17, 2012

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

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Glenwood Road AAR# = 475951N M.P. = Q 17.70
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes

Visible Warning Devices Detail

NE 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	_____

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 & Lake Erie Railroad Line = Cleveland
Location = Glenwood Road AAR# = 475951N M.P. = Q 17.70
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes

Underground Cable & Conduit Detail

Footage of 7c/#6 to: Signal 1 70 Signal 2 120 Signal 3 _____ Signal 4 _____
Footage of 7c/#14 to: Signal 1 70 Signal 2 120 Signal 3 _____ Signal 4 _____
Footage of 2c/#6 to: Track 1 430 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 80 Power 2 _____ Power 3 _____ Power 4 _____
4" Conduit under Road = 50 Under tracks = 10 Under Other = _____

Control Equipment Detail

of Instrument Cases or Bungalows = 1-new # of Battery Boxes. _____
of GCP Units = _____ Manufacturer = _____ Model # = _____
of PMD Units = _____ Manufacturer = _____ Model # = _____
of "C" Inverters = 1 Manufacturer = GE Model # = TD-4
GCP Frequency. Unit 1 _____ Unit 2 _____ Unit 3 _____ Unit 4 _____
PMD Frequency. Unit 1 _____ Unit 2 _____ Unit 3 _____ Unit 4 _____
Approach Length. Track 1 440 Track 2 _____ Track 3 _____ Track 4 _____
Island Length. Track 1 120 Track 2 _____ Track 3 _____ Track 4 _____
B12 Amp Hour = 250 GB12 Amp Hour = _____ MSB12 Amp Hour = 250

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

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Glenwood Road AAR# = 475951N M.P. = Q 17.70
City = Twinsburg State = Ohio County = Summit
Cut Over Test Date = See Daily Notes

Attendance Info

PUCO 1 Robert J. Resutle Railroad 1 Scott Chandler
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? Unknown Relay Test Made? Unknown
B12 Volts = 14.7vdc GB12 Volts = _____ MSB12 Volts = 12.6vdc
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 9.0vdc Lamp Volts DC = 9.0vdc
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? _____ AC/DC Island Shunted? Yes
MS / GCP Approach Shunt with time out? _____ AC/DC Approach Shunted? Yes
Tested under train moves this date? Yes Warning Time observed or set = 30

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

Railroad = Wheeling & Lake Erie Railroad Line = Cleveland
Location = Glenwood Road AAR# = 475951N M.P. = Q 17.70
City = Twinsburg State = Ohio County = Summit
Construction Start Date = See Daily Notes Cut Over Test Date = See Daily Notes

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>2</u>

Underground Cable & Conduit Outline

<u>190</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>190</u> Ft. 7c/#14 Control/Flasher Cable.
<u>430</u> Ft. 2c/#6 Track Cable.	<u>0</u> Ft. 7c/#14 Express Cable.
<u>80</u> Ft. 3c/#9 Power Cable.	
<u>60</u> Ft. 4" Conduit.	

Control Equipment Outline

# of Instrument Cases or Bungalows = <u>1-new</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>0</u> Manufacturer = <u>0</u>	Model # = <u>0</u>
# of "C" Inverters = <u>1</u> Manufacturer = <u>GE</u>	Model # = <u>TD-4</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>0</u>	Unit 2 <u>0</u>	Unit 3 <u>0</u>	Unit 4 <u>0</u>
Approach Length.	Track 1 <u>440</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 = 250 GB12 Amp Hour = 0 MSB12 Amp Hour = 250

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 and Notes included.)

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

NOTES

No double bonding at this location.

Name Robert J. Reustle

Title PUCO/FRA Inspector

Date January 17, 2012

INSPECTION REPORT

OMB Approval No.: 2130-0509

Inspector's Name REUSTLE, ROBERT J.		Inspector's Signature		Inspector's ID No. S3903	Report No. 1	Date yy mm dd 2012 01 17		
Railroad/Company Name & Address Wheeling & Lake Erie Railroad 100 East First St. Brewster OH 44613				R/C R RR/Co. Code WE	Division CLEVELAND	RR/Co. Representative (Receipt Acknowledged) Name Dan Reinsel Title Signal Supervisor Signature _____		
From: City TWINSBURG	Codes 8205	Destination City & County			Codes	From Latitude		
State OH	39	City TWINSBURG			8205	From Longitude		
County SUMMIT	C153	County SUMMIT			C153	To Latitude		
Mile Post: From To		Inspection Point				To Longitude		
Activity Code:	HGCS							
Units:	2							
Sub Units:	20							

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/ USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
1	Q 17.70		M						475951N	N	N	0	HGCS
Description - [** Comment to Railroad/Company **] Glenwood Rd. - State funded new installation, final audit inspection. No defects noted to units inspected.													
Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Latitude:				Longitude:				
Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional					Railroad Action Code		Date(mm/dd/yyyy):		Comments on back?				
2	Q 20.10		M						475691M	N	N	0	HGCS
Description - [** Comment to Railroad/Company **] Cannon Rd. - State funded new installation, final audit inspection. No defects noted to units inspected.													
Violation Recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Latitude:				Longitude:				
Written Notification to FRA of Remedial Action is: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Optional					Railroad Action Code		Date(mm/dd/yyyy):		Comments on back?				

Source Code A	File Number	ID's of Accompanying Inspector(s)
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