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Public Utilities
Commission of Ohio

Memo

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 4/28/11

JH

PUCO

2011 APR 28 PM 2:13

RECEIVED-DOCKETING DIV

Re: PUCO Case No. 10-110-RR-STP- In the matter of a request for CSX Transportation, Inc. to install active grade crossing warning devices in Cuyahoga County, Middleburg Heights at Main Street (DOT#141-929C).

On January 5, 2010, Commission Staff, The Ohio Rail Development Commission (ORDC), CSX Transportation, Inc.(CSX), and Middleburg Heights, Ohio entered into an agreement whereby active grade crossing warning devices would be installed in Cuyahoga County, Middleburg Heights at Main Street. (DOT#141-929C).

By Commission order issued February 11, 2010, the Commission ordered the installation of active of warning devices at the following crossing.

Railroad	Street	DOT#	City/County	Date of Completion
CSX	Main Street	(141-929C)	Middleburg Heights/Cuyahoga County	1/18/2011

A final inspection was conducted by the Rail Division on February 22, 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 JD Date Processed 4-28-11

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = CSX Transportation Line = Cleveland
Location = Main Street AAR# = 141929C M.P. = BJA 150.3
City = Middleburg Heights State = OH County = Cuyahoga
Construction Start Date = 10/28/2010

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	<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>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	

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 = CSX Transportation Line = Cleveland
Location = Main Street AAR# = 141929C M.P. = BJA 150.3
City = Middleburg Heights State = OH County = Cuyahoga
Construction Start Date = 10/28/2010

Underground Cable & Conduit Detail

Footage of 19c/multi to: Signal 1 120 Signal 2 120 Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 Signal 2 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 200 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 25 Power 2 Power 3 Power 4
4" Conduit under Road = 30 Under tracks = 10 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1 New # of Battery Boxes.
of GCP Units = 2 Manufacturer = SafeTran Model # = 4000
of PMD Units = Manufacturer = Model # =
of "C" Inverters = Manufacturer = Model # =
GCP Frequency. Unit 1 790 Unit 2 790 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 1540 Track 2 Track 3 Track 4
Island Length. Track 1 135 Track 2 Track 3 Track 4
B12 Amp Hour = 165 GB12 Amp Hour = 165 MSB12 Amp Hour = 165

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = CSX Transportation Line = Cleveland
Location = Main Street AAR# = 141929C M.P. = BJA 150.3
City = Middleburg Heights State = OH County = Cuyahoga
Cut Over Test Date = 1/18/2011

Attendance Info

PUCO 1 Robert J. Reustle Railroad 1 Brian Robinson
PUCO 2 _____ Railroad 2 Matt Deaton
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 = 11.4 GB12 Volts = 13 MSB12 Volts = 10.2
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 10.5 Lamp Volts DC = 9
Lights Focused? Yes Flash Rate = 50 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? No Warning Time observed or set = 31

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Outline

Railroad = CSX Transportation Line = Cleveland
Location = Main Street AAR# = 141929C M.P. = BJA 150.3
City = Middleburg Heights State = OH County = Cuyahoga
Construction Start Date = 10/28/2010 Cut Over Test Date = 1/18/2011

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

Underground Cable & Conduit Outline

<u>240</u>	Ft. 19c/multi Gate/Flasher Cable.	<u>0</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>200</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>25</u>	Ft. 3c/#9 Power Cable.		
<u>40</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>2</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>

GCP Frequency.	Unit 1	<u>790</u>	Unit 2	<u>790</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>1540</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>
Island Length.	Track 1	<u>135</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>

B12 Amp Hour = 165 GB12 Amp Hour = 165 MSB12 Amp Hour = 165

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

Name Robert J. Reustle
Title PUCO/FRA Inspector
Date February 22, 2011