

FILE

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Public Utilities Commission of  
Ohio

Memo

PUCO

To: Docketing Division  
From: Bonnie J Johrendt, Grade Crossing Planner *Bjd*  
Date: August 28, 2007  
RE: PUCO Case 06-989-RR-RCP

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Please docket the attached final inspection report for the above-mentioned case. As noted in Inspector Zurfley's report, the warning device upgrade project was placed in-service in accordance with existing standards.

On the basis of this final report for the subject case number, Legal may close this case.



: File

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Technician And Date Processed 8/28/07

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

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

Railroad = Akron Barberton Cluster Line = \_\_\_\_\_  
Location = Robinson Ave. AAR# = 837690T M.P. = \_\_\_\_\_  
City = Barberton State = Ohio County = Summit  
Construction Start Date = \_\_\_\_\_

**Visible Warning Devices Detail**

NE Quad

# Flasher Mast _____	# Gate Mast _____	# Cantilever <u>1</u>
# Crossbucks <u>2</u>	Gate Arm Length <u>34'</u>	Cantilever Length <u>28'</u>
# 2-Way Lights <u>1</u>	# 1-Way lights <u>2</u>	# Bells <u>1</u>
2-Way Lights Size <u>12"</u>	1-Way Lights Size <u>12"</u>	# Multiple Track Signs _____

SW Quad

# Flasher Mast _____	# Gate Mast _____	# Cantilever <u>1</u>
# Crossbucks <u>2</u>	Gate Arm Length <u>38'</u>	Cantilever Length <u>32'</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 _____

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 _____

**Inspection & Investigation Division**

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

Railroad = Akron Barberton Cluster Line = 0  
Location = Robinson Ave. AAR# = 837690T M.P. = 0  
City = Barberton State = Ohio County = Summit  
Construction Start Date = 1/0/1900

**Underground Cable & Conduit Detail**

Footage of 5c/#6 to: Signal 1 175' Signal 2 50' Signal 3          Signal 4           
Footage of 7c/#14 to: Signal 1 175' Signal 2 50' 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 50' Power 2          Power 3          Power 4           
4" Conduit under Road = 100' Under tracks = 60' Under Other =         

**Control Equipment Detail**

# of Instrument Cases or Bungalows = 1 # of Battery Boxes. 0  
# of GCP Units =          Manufacturer =          Model # =           
# of PMD Units =          Manufacturer =          Model # =           
# of "C" Inverters = 1 Manufacturer = GE Model # = SCX-1  
GCP Frequency. Unit 1          Unit 2          Unit 3          Unit 4           
PMD Frequency. Unit 1          Unit 2          Unit 3          Unit 4           
Approach Length. Track 1 500' Track 2          Track 3          Track 4           
Island Length. Track 1 185' Track 2          Track 3          Track 4           
B12 Amp Hour = 240 OLB12 Amp Hour = 240 MSB12 Amp Hour =

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

Railroad = Akron Barberton Cluster Line = 0  
Location = Robinson Ave. AAR# = 837690T M.P. = 0  
City = Barberton State = Ohio County = Summit  
Cut Over Test Date = \_\_\_\_\_

**Attendance Info**

PUCO 1 Shawn Zurfley Railroad 1 Matt Fought  
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 = 13.4 V OLB12 Volts = 13.4 V MSB12 Volts = \_\_\_\_\_  
Grounds Test made? YES Case and Bases Tagged? YES  
Lamp Volts AC = 6.9 vdc Lamp Volts DC = 9.8 vdc  
Lights Focused? YES Flash Rate = 56 FPM @ Light  
Gate Arm and lights proper? YES Gate Arm Movement proper? YES  
Bells Operate? YES Traffic Pre-emption operates properly? YES  
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 = 34sec

Railroad = Akron Barberton Cluster Line = 0  
 Location = Robinson Ave. AAR# = 837690T M.P. = 0  
 City = Barberton State = Ohio County = Summit  
 Construction Start Date = 1/0/1900 Cut Over Test Date = 1/0/1900

#### Visible Warning Devices Outline

# Gate masts.	<u>0</u>	# Cantilever Masts.	<u>2</u>	# Flasher Masts.	<u>0</u>
# 2 - Way light units.	<u>2</u>	# 1 - Way Light units.	<u>3</u>		
# Crossbucks.	<u>4</u>	# Multiple Track Signs.	<u>0</u>	# Bells.	<u>2</u>

#### Underground Cable & Conduit Outline

<u>0</u> Ft. 5c/#6 Gate/Flasher Cable.	<u>0</u> Ft. 7c/#14 Control/Flasher Cable.
<u>0</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>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>SCX-1</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>500'</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>
Island Length.	Track 1	<u>185'</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>

B12 Amp Hour = 240 GB12 Amp Hour = 240 MSB12 Amp Hour = 0

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 August 27, 2007