

FILE

2003 MAY -9 AM 10:03

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Public Utilities  
Commission of Ohio

PUCO

## Memo

**To:** Docketing Division  
**From:** Bonnie J Johrendt, Grade Crossing Planner *BJ*  
**Date:** May 9, 2003  
**RE:** PUCO Case 02-665-RR-STP, NS Grade Crossing, SR 7 (503-327N),  
city of Martins Ferry, Belmont County

\*\*\*\*\*

Please docket the attached final report for the above-mentioned case. As noted in Inspector Coates' report, this upgrade was placed in-service in accordance with existing standards.

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

c: File

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 J Date Processed 5-9-07

**Johrendt, Bonnie**

**From:** Coates, Don  
**Sent:** Tuesday, May 06, 2003 3:57 PM  
**To:** Johrendt, Bonnie  
**Subject:** Audit Detail Cut Over Form.xls

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

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

Railroad = Norfolk Southern Line = Pittsburgh  
 Location = SR 7 AAR# = 503327N M.P. = 207.9  
 City = Martinsferry State = Ohio County = Belmont  
 Construction Start Date = 2/25/03

**Visible Warning Devices Detail**

NE Quad

# Flasher Mast <u>0</u>	# Gate Mast <u>0</u>	# Cantilever <u>1</u>
# Crossbucks <u>1</u>	Gate Arm Length <u>0</u>	Cantilever Length <u>26</u>
# 2-Way Lights <u>3</u>	# 1-Way lights <u>3</u>	# Bells <u>1</u>
2-Way Lights Size <u>12"</u>	1-Way Lights Size <u>12"</u>	# Multiple Track <u>        </u>

SE Quad

# Flasher Mast <u>0</u>	# Gate Mast <u>0</u>	# Cantilever <u>1</u>
# Crossbucks <u>1</u>	Gate Arm Length <u>0</u>	Cantilever Length <u>26</u>
# 2-Way Lights <u>3</u>	# 1-Way lights <u>3</u>	# Bells <u>1</u>
2-Way Lights Size <u>12"</u>	1-Way Lights Size <u>12"</u>	# Multiple Track <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 <u>        </u>

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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 \_\_\_\_\_

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

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

Railroad = Norfolk Southern Line = Pittsburgh  
 Location = SR 7 AAR# = 503327N M.P. = 207.9  
 City = Martinsferry State = Ohio County = Belmont  
 Construction Start Date = 2/25/03

**Underground Cable & Conduit Detail**

Footage of 5c/#6 to: Signal 1 190 Signal 2 250 Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
 Footage of 7c/#14 Signal 1 240 Signal 2 290 Signal 3 \_\_\_\_\_ Signal 4 \_\_\_\_\_  
 Footage of 2c/#6 to: Track 1 \_\_\_\_\_ Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_  
 Footage of 7c/#14 Location 1 \_\_\_\_\_ Location 2 \_\_\_\_\_ Location 3 \_\_\_\_\_ Location 4 \_\_\_\_\_  
 Footage of 3c/#9 to: Power 1 210 Power 2 \_\_\_\_\_ Power 3 \_\_\_\_\_ Power 4 \_\_\_\_\_  
 4" Conduit under Road = 110 Under tracks = \_\_\_\_\_ Under Other = \_\_\_\_\_

**Control Equipment Detail**

# of Instrument Cases or Bungalows = 1 # of Battery Boxes. \_\_\_\_\_  
 # of GCP Units = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
 # of PMD Units = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
 # of "C" Inverters = \_\_\_\_\_ Manufacturer = \_\_\_\_\_ Model # = \_\_\_\_\_  
 GCP Frequency. Unit 1 \_\_\_\_\_ Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
 PMD Frequency. Unit 1 \_\_\_\_\_ Unit 2 \_\_\_\_\_ Unit 3 \_\_\_\_\_ Unit 4 \_\_\_\_\_  
 Approach Length. Track 1 \_\_\_\_\_ Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_

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Island Length.      Track 1 \_\_\_\_\_ Track 2 \_\_\_\_\_ Track 3 \_\_\_\_\_ Track 4 \_\_\_\_\_

B12 Amp Hour = 235      GB12 Amp Hour = \_\_\_\_\_      MSB12 Amp Hour = 235

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

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

Railroad = Norflok Southern      Line = Pittsburgh

Location = SR 7      AAR# = 503327N      M.P. = 207.9

City = Martinsferry      State = Ohio      County = Belmont

Cut Over Test Date = \_\_\_\_\_

**Attendance Info**

PUCO 1 D. E. Coates      Railroad 1 Luke Jones

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 = 15.8      GB12 Volts = \_\_\_\_\_      MSB12 Volts = \_\_\_\_\_

Grounds Test made? yes      Case and Bases Tagged? yes

Lamp Volts AC = 9.5      Lamp Volts DC = 9.5

Lights Focused? yes      Flash Rate = 50 FPM @ Light @ minute

Gate Arm and lights proper? n/a      Gate Arm Movement proper? n/a

Bells Operate? yes      Traffic Pre-emption operates properly? n/a

MS / GCP Island Shunt with no time out? \_\_\_\_\_      AC/DC Island Shunted? \_\_\_\_\_

MS / GCP Approach Shunt with time out? \_\_\_\_\_      AC/DC Approach Shunted? \_\_\_\_\_

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Tested under train moves this date? \_\_\_\_\_

Warning Time observed or set 0

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

**Highway Grade Crossing Warning System Installation Outline**

Railroad = Norfolk Southern Line = Pittsburgh  
 Location = SR 7 AAR# = 503327N M.P. = 207.9  
 City = Martinsferry State = Ohio County = Belmont  
 Construction Start Date = 2/25/03 Cut Over Test Date 1/0/00

**Visible Warning Devices Outline**

# Gate masts. 0 # Cantilever Masts. 2 # Flasher Masts. 0  
 # 2 - Way light units. 6 # 1 - Way Light units. 6  
 # Crossbucks. 2 # Multiple Track 0 # Bells. 2

**Underground Cable & Conduit Outline**

440 Ft. 5c/#6 Gate/Flasher Cable. 530 Ft. 7c/#14 Control/Flasher  
0 Ft. 2c/#6 Track Cable. 0 Ft. 7c/#14 Express Cable.  
210 Ft. 3c/#9 Power Cable.  
110 Ft. 4" Conduit.

**Control Equipment Outline**

# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0  
 # of GCP Units = 0 Manufacturer = 0 Model # = 0  
 # of PMD Units = 0 Manufacturer = 0 Model # = 0  
 # of "C" Inverters = 0 Manufacturer = 0 Model # = 0

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>0</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 = 235 GB12 Amp Hour = 0 MSB12 Amp Hour = 235

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The above described apparatus was observed to be installed in accordance with State, Federal, and MUTCD standards and regulations.

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	D.E. Coates
Signature	<b>D.E. Coates</b>
Title	PUCO/FRA
Date	May 6, 2003

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