

**Public Utilities
Commission of Ohio**

Memo

RECEIVED-DOCKETING DIV

2014 JUL 18 AM 9:16

PUCO

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 7/16/14



Re: PUCO Case No. 13-820-RR-STP- In the matter of a request for Norfolk Southern Railway Company to install active grade crossing warning devices at SR 13 (DOT#513-492B) in the Village of Chauncey, Athens County.

On February 27, 2013, Commission Staff, the Ohio Rail Development Commission (ORDC), Norfolk Southern Railway Company (NS) entered into an agreement (attached) whereby active grade crossing warning devices would be installed in Athens County, at SR 13 (DOT#513-492B).

On April 2, 2013, the Ohio Rail Development Commission authorized funding for the project.

On April 24, 2013, the Commission issued a Finding and Order approving the project and requiring the submission of plans and estimates by July 24, 2013 and project completion by April 24, 2014.

The crossing project has been completed as follows:

	Street	DOT#	County	Date of Completion
1)	SR 13	(513-492B)	Athens County	4/17/14

On the basis of the attached final report for the grade crossing project, Staff has determined that the project has 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 Am Date Processed 7/18/14

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Norfolk Southern Line = _____
Location = State Route 13 AAR# = 513492B M.P. = 74.77
City = Chauncy State = Ohio County = Athens
Construction Start Date = 3/31/2014

Visible Warning Devices Detail

NW Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>16</u>	Cantilever Length	_____
# 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	_____

SE Quad

# Flasher Mast	_____	# Gate Mast	<u>1</u>	# Cantilever	_____
# Crossbucks	<u>1</u>	Gate Arm Length	<u>16</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 = Norfolk Southern Line = 0
Location = State Route 13 AAR# = 513492B M.P. = 74.77
City = Chauncy State = Ohio County = Athens
Construction Start Date = 3/31/2014

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 140 Signal 2 105 Signal 3 Signal 4
Footage of 7c/#14 to: Signal 1 140 Signal 2 105 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 250 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 60 Power 2 Power 3 Power 4
4" Conduit under Road = 60 Under tracks = 30 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1 # of Battery Boxes.
of GCP Units = 1 Manufacturer = Safetran Model # = GCP 4000
of PMD Units = Manufacturer = Model # =
of "C" Inverters = Manufacturer = Model # =
GCP Frequency. Unit 1 285 Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 Unit 2 Unit 3 Unit 4
Approach Length. Track 1 1800 Track 2 Track 3 Track 4
Island Length. Track 1 142 Track 2 Track 3 Track 4
B12 Amp Hour = 340 B16 Amp Hour = 340 MSB12 Amp Hour =

Public Utilities Commission of Ohio
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Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = Norfolk Southern Line = 0
Location = State Route 13 AAR# = 513492B M.P. = 74.77
City = Chauncy State = Ohio County = Athens
Cut Over Test Date = 4/17/2014

Attendance Info

PUCO 1 Shawn Zurfley Railroad 1 Lonnie Smith
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? NA
B12 Volts = 12 B16 Volts = 14.7 MSB12 Volts = _____
Grounds Test made? yes Case and Bases Tagged? yes
Lamp Volts AC = 8.9 Lamp Volts DC = 8.9
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? 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 = 35

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Outline

Railroad = Norfolk Southern Line = 0
Location = State Route 13 AAR# = 513492B M.P. = 74.77
City = Chauncy State = Ohio County = Athens
Construction Start Date = 3/31/2014 Cut Over Test Date = 4/17/2014

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

Underground Cable & Conduit Outline

<u>245</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>245</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>250</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>60</u>	Ft. 3c/#9 Power Cable.		
<u>90</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>Safetran</u>		
# of PMD Units =	<u>0</u>	Model # =	<u>GCP 4000</u>		
# of "C" Inverters =	<u>0</u>	Model # =	<u>0</u>		
		Model # =	<u>0</u>		
GCP Frequency.	Unit 1 <u>285</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>1800</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
Island Length.	Track 1 <u>142</u>	Track 2 <u>0</u>	Track 3 <u>0</u>	Track 4 <u>0</u>	
B12 Amp Hour =	<u>340</u>	GB12 Amp Hour =	<u>340</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 14)

Name Shawn A. Zurflay

Title PUCO/FRA Inspector
Date July 9, 2014

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION (FRA)

INSPECTION REPORT

OMB Approval No.: 2130-0509

Inspector's Name ZURFLEY, SHAWN		Inspector's Signature		Inspector's ID No. S3905		Report No. 35		Date yy mm dd 2014 07 09		
Railroad/Company Name & Address NORFOLK SOUTHERN CORP. Rt 2 Box 800 Pritchard WV 25555				R/C R RR/Co. Code NS	Division SYSTEM Subdivision WEST VIRGINIA	RR/Co. Representative (Receipt Acknowledged) Name Lonnie Smith Title ASSISTANT GENERAL SUPERVISOR Email lasmith@nscorp.com Signature _____				
From: City CHAUNCEY		Codes 1510	Destination City & County			Codes	From Latitude			
State OH		39	City CHAUNCEY			1510	From Longitude			
County ATHENS		C009	County ATHENS			C009	To Latitude			
Mile Post: From To			Inspection Point				To Longitude			
Activity Code:	HGCS									
Units:	1									
Sub Units:	11									

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
1	0074.77			234					513492B	N	N	1	
Description STATE ROUTE 13 - NO EXCEPTIONS TAKEN 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(num/dd/yyyy):		Comments on back?				