

FILE

23

Public Utilities Commission of
Ohio

Memo

To: Docketing Division
From: Bonnie J Johrendt, Grade Crossing Planner
Date: January 24, 2007
RE: PUCO Case 05-1242-RR-STP

RECEIVED-DOCKETING DIV
2007 JAN 24 AM 9:56
PUCO

Please docket the attached final inspection reports for the above-mentioned case. As noted in Inspector Reustle's and Coates' reports, these warning device upgrade projects were placed in-service in accordance with existing standards.

On the basis of these final reports for the subject case number, Docketing may close this case.

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 SB Date Processed 1-24-07

c: File

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = CSX Transportation Line = _____
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Construction Start Date = see daily sheets

Visible Warning Devices Detail

NE Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	<u>1</u>
# Crossbucks	<u>2</u>	Gate Arm Length	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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 = CSX Transportation Line = 0

Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24

City = Elyria State = Ohio County = Lorain

Construction Start Date = see daily sheets

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4

Footage of 9c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4

Footage of 2c/#6 to: Track 1 225 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 Power 2 Power 3 Power 4

4" Conduit under Road = 80 Under tracks = 10 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1-Old # of Battery Boxes. NA

of GCP Units = NA Manufacturer = Model # =

of PMD Units = NA Manufacturer = Model # =

of "C" Inverters = NA Manufacturer = Model # =

GCP Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4

PMD Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4

Approach Length. Track 1 1506 Track 2 Track 3 Track 4

Island Length. Track 1 165 Track 2 Track 3 Track 4

B12 Amp Hour = 240 GB12 Amp Hour = NA MSB12 Amp Hour = NA

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = CSX Transportation Line = 0
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Cut Over Test Date = 6/19/2006

Attendance Info

PUCO 1 Robert J. Reustle Railroad 1 Vernon Howell
PUCO 2 _____ 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 = 13 GB12 Volts = _____ MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 10.2 Lamp Volts DC = 9.8
Lights Focused? Yes Flash Rate = 49 FPM @ Light
Gate Arm and lights proper? NA Gate Arm Movement proper? NA
Bells Operate? NA Traffic Pre-emption operates properly? NA
MS / GCP Island Shunt with no time out? NA AC/DC Island Shunted? Yes
MS / GCP Approach Shunt with time out? NA AC/DC Approach Shunted? Yes
Tested under train moves this date? No Warning Time observed or set = _____

Railroad = CSX Transportation Line = 0
 Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
 City = Elyria State = Ohio County = Lorain
 Construction Start Date = see daily sheets Cut Over Test Date = 6/19/2006

Visible Warning Devices Outline

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

Underground Cable & Conduit Outline

<u>210</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>210</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>225</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>0</u>	Ft. 3c/#9 Power Cable.		
<u>90</u>	Ft. 4" Conduit.		

Control Equipment Outline

# of Instrument Cases or Bungalows = <u>1-Old</u>		# of Battery Boxes = <u>NA</u>	
# of GCP Units = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
# of PMD Units = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
# of "C" Inverters = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	

GCP Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
PMD Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
Approach Length.	Track 1	<u>1506</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>
Island Length.	Track 1	<u>165</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>

B12 Amp Hour = <u>240</u>	GB12 Amp Hour = <u>NA</u>	MSB12 Amp Hour = <u>NA</u>
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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 Robert J. Reustle

Title PUCO/FRA Inspector

Date June 23, 2006

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION (FRA)

INSPECTION REPORT

OMB Approval No.: 2130-0509

Inspector's Name REUSTLE, ROBERT		Inspector's Signature		Inspector's ID No. S3903		Report No. 29		Date yy mm dd 2006 6 19					
Railroad/Company Name & Address CSX TRANSPORTATION 479 North Arlington St. Akron, OH 44305				R/C R	Division		RR/Co. Representative (Receipt Acknowledged) Name Jerry Adkins Title Signal Supervisor Signature						
From: City ELYRIA		Codes 2480	Destination City & County		Codes	From Latitude							
State OH		39	City LORAIN		4360	From Longitude							
County LORAIN		C093	County LORAIN		C093	To Latitude							
Mile Post: From _____ To _____			Inspection Point:			To Longitude							
Activity Code:	HGCS	HGCO											
Units:	13	11											
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
1	BJ0152.24			234					142446Y	N	N	1	
Description Oberlin Rd. - No exception to units inspected.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:				Longitude:				
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input type="checkbox"/>	Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>				
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
2	BJ0156.18	MAI		234	0235	02			142427U	N	N	1	HGCO
Description INSULATION IN INSULATED RAIL JOINT IN BAD CONDITION. - Griswold Rd. - No end post in insulated joint, end of siding circuit, south of crossing.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:				Longitude:				
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>				
Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
3	BJ0156.18	MAI		234	0217	01			142427U	N	N	1	HGCS
Description FLASHING LIGHT NOT VISIBLE TO APPROACHING HIGHWAY USER. - Griswold Rd. - NE flasher mast, approach light, curb side not properly aligned.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:				Longitude:				
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>				

DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION (FRA)

INSPECTION REPORT

(Continuation)

OMB Approval No.: 2130-0009

Inspector's ID No. S3903		Report No. 29		Report Date 6/19/2006									
Item 4	Initials/Milepost BJ0156.18	Equipment/Track #	Type/Kind	49 CFR/USC 234	Defect	Subrule	Speed	Class	Train #/Site 142427U	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code
Description Griswold Rd. - Cribbing and fill needed around Instrument case, and both flasher/gate masts. Especially around NE flasher/gate mast. Poor footing condition exists for maintenance persons.													
Violation Recommended					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:		
Written Notification to FRA of Remedial Action is:					Required <input type="checkbox"/> Optional <input type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>		
Item 5	Initials/Milepost BJ0157.46	Equipment/Track # MAI	Type/Kind	49 CFR/USC 234	Defect 0245	Subrule 02	Speed	Class	Train #/Site 142424Y	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code HGCS
Description SIGN NOT IN GOOD CONDITION. - North Ridge Rd. - NE crossbuck damaged.													
Violation Recommended					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:		
Written Notification to FRA of Remedial Action is:					Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>		
Item 6	Initials/Milepost BJ0157.46	Equipment/Track # MAI	Type/Kind	49 CFR/USC 234	Defect 0245	Subrule 03	Speed	Class	Train #/Site 142424Y	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code HGCS
Description SIGN MISSING OR NOT SECURE. - North Ridge Rd. - NE crossbuck mounted to cantilever arm with rope.													
Violation Recommended					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:		
Written Notification to FRA of Remedial Action is:					Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>		
Item 7	Initials/Milepost BJ0157.46	Equipment/Track # MAI	Type/Kind	49 CFR/USC 234	Defect 0241	Subrule 01	Speed	Class	Train #/Site 142424Y	SNFR* N	RCL** N	# of Occ.*** 2	Activity Code HGCS
Description INSULATED WIRE NOT PROTECTED FROM MECHANICAL INJURY. - North Ridge Rd. - Flashing light wires exposed and laying on cantilever catwalk from mast to lights. NE and SW cantilever arms.													
Violation Recommended					Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:		
Written Notification to FRA of Remedial Action is:					Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>		

DEPARTMENT OF TRANSPORTATION

INSPECTION REPORT

FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Approval No.: 2130-0509

(Continuation)

Inspector's ID No.	Report No.	Report Date
S3903	29	6/19/2006

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
8	BJ0157.46	MAI		234	0211	02			142424Y	N	N	2	HGCS

Description

OTHER COMPONENT HOUSING NOT SECURED AGAINST UNAUTHORIZED ENTRY. - North Ridge Rd. - No ladder guards present to prevent others from climbing cantilever masts. NE and SW cantilever masts.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
9	BJ0157.46	MAI		234	0201	02			142424Y	N	N	1	HGCS

Description

PLANS NOT LEGIBLE. - North Ridge Rd. - Plans torn and taped together.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
10	BJ0157.46	MAI		234	0239	01			142424Y	N	N	2	HGCS

Description

WIRE NOT TAGGED OR OTHERWISE MARKED SO THAT IT CAN BE IDENTIFIED AT TERMINAL. - North Ridge Rd. - Tags illegible/faded. NE and SW gate mechanisms.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = Norfolk Southern Corp. Line = KENOVA DISTRICT
Location = LINCOLN ST. AAR# = 473 470 N M.P. = N-606.34
City = Batesmouth State = Oh. County = Scioto
Construction Start Date = 9-13-06

Visible Warning Devices Detail

A Quad

# Flasher Mast	<u>2</u>	# Gate Mast	<u>0</u>	# Cantilever	<u>1</u>
# Crossbucks	<u>1</u>	Gate Arm Length	<u>NA</u>	Cantilever Length	<u>24'</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	<u></u>

B Quad

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

C Quad

# Flasher Mast	<u>0</u>	# Gate Mast	<u>0</u>	# Cantilever	<u>0</u>
# Crossbucks	<u>0</u>	Gate Arm Length	<u>NA</u>	Cantilever Length	<u>NA</u>
# 2-Way Lights	<u>0</u>	# 1-Way lights	<u>0</u>	# Bells	<u>0</u>
2-Way Lights Size	<u>NA</u>	1-Way Lights Size	<u>NA</u>	# Multiple Track Signs	<u>0</u>

D Quad

# Flasher Mast	<u>0</u>	# Gate Mast	<u>0</u>	# Cantilever	<u>0</u>
# Crossbucks	<u>0</u>	Gate Arm Length	<u>NA</u>	Cantilever Length	<u>NA</u>
# 2-Way Lights	<u>0</u>	# 1-Way lights	<u>0</u>	# Bells	<u>0</u>
2-Way Lights Size	<u>NA</u>	1-Way Lights Size	<u>NA</u>	# Multiple Track Signs	<u>0</u>

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 2

Railroad = 0 Line = 0
Location = 0 AAR# = 0 M.P. = 0
City = 0 State = 0 County = 0
Construction Start Date = 01/00/00

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 200' Signal 2 80' Signal 3 120 Signal 4 _____
Footage of 7c/#14 to: Signal 1 _____ Signal 2 _____ Signal 3 _____ Signal 4 _____
Footage of 2c/#6 to: Track 1 _____ 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 _____ Power 2 _____ Power 3 _____ Power 4 _____
4" Conduit under Road = 70 Under tracks = 30 Under Other = _____

Control Equipment Detail

of Instrument Cases or Bungalows = 1 # of Battery Boxes. 1
of GCP Units = 2 Manufacturer = SAGE TRAN Model # = 3000 GCP
of PMD Units = 0 Manufacturer = _____ Model # = _____
of "C" Inverters = 0 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 1133 Track 2 1133 Track 3 _____ Track 4 _____
Island Length. Track 1 141 Track 2 141 Track 3 _____ Track 4 _____
B12 Amp Hour = 264 GB12 Amp Hour = _____ MSB12 Amp Hour = _____

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = 0 Line = 0
Location = 0 AAR# = 0 M.P. = 0
City = 0 State = 0 County = 0
Cut Over Test Date = 9-27-06

Attendance Info

PUCO 1 RE Coate Railroad 1 BC Copley Project Engineer
PUCO 2 _____ Railroad 2 97 Renc
PUCO 3 _____ Railroad 3 _____

Inspection & Tests Made

Locks? ✓ Plans in case and correct? ✓
Insulation Resistance Test made? ✓ Relay Test Made? ALREADY IN SERVICE
B12 Volts = 13.4 GB12 Volts = NA MSB12 Volts = 13.5
Grounds Test made? ✓ Case and Bases Tagged? ✓
Lamp Volts AC = 9.4 Lamp Volts DC = 9.3
Lights Focused? ✓ Flash Rate = 40 FPM @ Light @ minute
Gate Arm and lights proper? NA Gate Arm Movement proper? NA
Bells Operate? ✓ Traffic Pre-emption operates properly? NA
MS / GCP Island Shunt with no time out? ✓ AC/DC Island Shunted? ✓
MS / GCP Approach Shunt with time out? ✓ AC/DC Approach Shunted? ✓
Tested under train moves this date? ✓ 9-27-06 Warning Time observed or set = 29

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Outline

Railroad = 0 Line = 0
Location = 0 AAR# = 0 M.P. = 0
City = 0 State = 0 County = 0
Construction Start Date = 01/00/00 Cut Over Test Date = 01/00/00

Visible Warning Devices Outline

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

Underground Cable & Conduit Outline

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

Control Equipment Outline

of Instrument Cases or Bungalows = 0 # 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 0 Unit 2 0 Unit 3 0 Unit 4 0
PMD Frequency. Unit 1 0 Unit 2 0 Unit 3 0 Unit 4 0
Approach Length. Track 1 0 Track 2 0 Track 3 0 Track 4 0
Island Length. Track 1 0 Track 2 0 Track 3 0 Track 4 0

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

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.

Name Robert J. Reustle
Signature *Robert J. Reustle*
Title PUCO Inspector
Date December 3, 2001

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = CSX Transportation Line = _____
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Construction Start Date = see daily sheets

Visible Warning Devices Detail

NE Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	<u>1</u>
# Crossbucks	<u>2</u>	Gate Arm Length	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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 = CSX Transportation Line = 0

Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24

City = Elyria State = Ohio County = Lorain

Construction Start Date = see daily sheets

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4

Footage of 9c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4

Footage of 2c/#6 to: Track 1 225 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 Power 2 Power 3 Power 4

4" Conduit under Road = 80 Under tracks = 10 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1-Old # of Battery Boxes. NA

of GCP Units = NA Manufacturer = Model # =

of PMD Units = NA Manufacturer = Model # =

of "C" Inverters = NA Manufacturer = Model # =

GCP Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4

PMD Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4

Approach Length. Track 1 1506 Track 2 Track 3 Track 4

Island Length. Track 1 165 Track 2 Track 3 Track 4

B12 Amp Hour = 240 GB12 Amp Hour = NA MSB12 Amp Hour = NA

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = CSX Transportation Line = 0
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Cut Over Test Date = 6/19/2006

Attendance Info

PUCO 1 Robert J. Reustle Railroad 1 Vernon Howell
PUCO 2 _____ 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 = 13 GB12 Volts = _____ MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 10.2 Lamp Volts DC = 9.8
Lights Focused? Yes Flash Rate = 49 FPM @ Light
Gate Arm and lights proper? NA Gate Arm Movement proper? NA
Bells Operate? NA Traffic Pre-emption operates properly? NA
MS / GCP Island Shunt with no time out? NA AC/DC Island Shunted? Yes
MS / GCP Approach Shunt with time out? NA AC/DC Approach Shunted? Yes
Tested under train moves this date? No Warning Time observed or set = _____

Railroad = CSX Transportation Line = 0
 Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
 City = Elyria State = Ohio County = Lorain
 Construction Start Date = see daily sheets Cut Over Test Date = 6/19/2006

Visible Warning Devices Outline

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

Underground Cable & Conduit Outline

<u>210</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>210</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>225</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>0</u>	Ft. 3c/#9 Power Cable.		
<u>90</u>	Ft. 4" Conduit.		

Control Equipment Outline

# of Instrument Cases or Bungalows =	<u>1-Old</u>	# of Battery Boxes =	<u>NA</u>
# of GCP Units =	<u>NA</u>	Manufacturer =	<u>0</u>
# of PMD Units =	<u>NA</u>	Model # =	<u>0</u>
# of "C" Inverters =	<u>NA</u>	Manufacturer =	<u>0</u>
		Model # =	<u>0</u>

GCP Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
PMD Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
Approach Length.	Track 1	<u>1506</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>
Island Length.	Track 1	<u>165</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>

B12 Amp Hour =	<u>240</u>	GB12 Amp Hour =	<u>NA</u>	MSB12 Amp Hour =	<u>NA</u>
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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 Robert J. Reustle

Title PUCO/FRA Inspector
 Date October 31, 2006

Public Utilities Commission of Ohio
Transportation Department
Inspection & Investigation Division

Highway Grade Crossing Warning System Installation Detail 1

Railroad = CSX Transportation Line = _____
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Construction Start Date = see daily sheets

Visible Warning Devices Detail

NE Quad

# Flasher Mast	_____	# Gate Mast	_____	# Cantilever	<u>1</u>
# Crossbucks	<u>2</u>	Gate Arm Length	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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	_____	Cantilever Length	<u>27</u>
# 2-Way Lights	<u>2</u>	# 1-Way lights	<u>1</u>	# Bells	_____
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 = CSX Transportation Line = 0
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Construction Start Date = see daily sheets

Underground Cable & Conduit Detail

Footage of 5c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4
Footage of 9c/#6 to: Signal 1 75 Signal 2 135 Signal 3 Signal 4
Footage of 2c/#6 to: Track 1 225 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 Power 2 Power 3 Power 4
4" Conduit under Road = 80 Under tracks = 10 Under Other =

Control Equipment Detail

of Instrument Cases or Bungalows = 1-Old # of Battery Boxes. NA
of GCP Units = NA Manufacturer = Model # =
of PMD Units = NA Manufacturer = Model # =
of "C" Inverters = NA Manufacturer = Model # =
GCP Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4
PMD Frequency. Unit 1 NA Unit 2 Unit 3 Unit 4
Approach Length. Track 1 1506 Track 2 Track 3 Track 4
Island Length. Track 1 165 Track 2 Track 3 Track 4
B12 Amp Hour = 240 GB12 Amp Hour = NA MSB12 Amp Hour = NA

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad = CSX Transportation Line = 0
Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
City = Elyria State = Ohio County = Lorain
Cut Over Test Date = 6/19/2006

Attendance Info

PUCO 1 Robert J. Reustle Railroad 1 Vernon Howell
PUCO 2 _____ 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 = 13 GB12 Volts = _____ MSB12 Volts = _____
Grounds Test made? Yes Case and Bases Tagged? Yes
Lamp Volts AC = 10.2 Lamp Volts DC = 9.8
Lights Focused? Yes Flash Rate = 49 FPM @ Light
Gate Arm and lights proper? NA Gate Arm Movement proper? NA
Bells Operate? NA Traffic Pre-emption operates properly? NA
MS / GCP Island Shunt with no time out? NA AC/DC Island Shunted? Yes
MS / GCP Approach Shunt with time out? NA AC/DC Approach Shunted? Yes
Tested under train moves this date? No Warning Time observed or set = _____

Railroad = CSX Transportation Line = 0
 Location = Oberlin Road AAR# = 142446Y M.P. = BJ152.24
 City = Elyria State = Ohio County = Lorain
 Construction Start Date = see daily sheets Cut Over Test Date = 6/19/2006

Visible Warning Devices Outline

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

Underground Cable & Conduit Outline

<u>210</u>	Ft. 5c/#6 Gate/Flasher Cable.	<u>210</u>	Ft. 7c/#14 Control/Flasher Cable.
<u>225</u>	Ft. 2c/#6 Track Cable.	<u>0</u>	Ft. 7c/#14 Express Cable.
<u>0</u>	Ft. 3c/#9 Power Cable.		
<u>90</u>	Ft. 4" Conduit.		

Control Equipment Outline

# of Instrument Cases or Bungalows = <u>1-Old</u>		# of Battery Boxes = <u>NA</u>	
# of GCP Units = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
# of PMD Units = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	
# of "C" Inverters = <u>NA</u>	Manufacturer = <u>0</u>	Model # = <u>0</u>	

GCP Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
PMD Frequency.	Unit 1	<u>NA</u>	Unit 2	<u>0</u>	Unit 3	<u>0</u>	Unit 4	<u>0</u>
Approach Length.	Track 1	<u>1506</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>
Island Length.	Track 1	<u>165</u>	Track 2	<u>0</u>	Track 3	<u>0</u>	Track 4	<u>0</u>

B12 Amp Hour = <u>240</u>	GB12 Amp Hour = <u>NA</u>	MSB12 Amp Hour = <u>NA</u>
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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 Robert J. Reustle

 Title PUCO/FRA Inspector
 Date October 31, 2006

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION (FRA)

INSPECTION REPORT

OMB Approval No.: 2130-0589

Inspector's Name REUSTLE, ROBERT		Inspector's Signature		Inspector's ID No. S3903		Report No. 29		Date yy mm dd 2006 6 19					
Railroad/Company Name & Address CSX TRANSPORTATION 479 North Arlington St. Akron, OH 44305				R/C R	Division		RR/Co. Representative (Receipt Acknowledged) Name: Jerry Adkins Title: Signal Supervisor Signature:						
From: City ELYRIA		Codes 2480	Destination City & County		Codes	From Latitude							
State OH		39	City LORAIN		4360	From Longitude							
County LORAIN		C093	County LORAIN		C093	To Latitude							
Mile Post: From _____ To _____			Inspection Point:			To Longitude							
Activity Code:	HGCS	HGCO											
Units:	13	11											
Item 1	Initials/Milepost BJ0152.24	Equipment/Track #	Type/Kind	49 CFR/USC 234	Defect	Subrule	Speed	Class	Train #/Site 142446Y	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code
Description Oberlin Rd. - No exception to units inspected.													
Violation Recommended Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				Latitude:				Longitude:					
Written Notification to FRA of Remedial Action is: Required <input type="checkbox"/> Optional <input type="checkbox"/>				Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>					
Item 2	Initials/Milepost BJ0156.18	Equipment/Track # MAI	Type/Kind	49 CFR/USC 234	Defect 0235	Subrule 02	Speed	Class	Train #/Site 142427U	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code HGCO
Description INSULATION IN INSULATED RAIL JOINT IN BAD CONDITION. - Griswold Rd. - No end post in insulated joint, end of siding circuit, south of crossing.													
Violation Recommended Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				Latitude:				Longitude:					
Written Notification to FRA of Remedial Action is: Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>				Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>					
Item 3	Initials/Milepost BJ0156.18	Equipment/Track # MAI	Type/Kind	49 CFR/USC 234	Defect 0217	Subrule 01	Speed	Class	Train #/Site 142427U	SNFR* N	RCL** N	# of Occ.*** 1	Activity Code HGCS
Description FLASHING LIGHT NOT VISIBLE TO APPROACHING HIGHWAY USER. - Griswold Rd. - NE flasher mast, approach light, curb side not properly aligned.													
Violation Recommended Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				Latitude:				Longitude:					
Written Notification to FRA of Remedial Action is: Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>				Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>					

DEPARTMENT OF TRANSPORTATION

INSPECTION REPORT

FEDERAL RAILROAD ADMINISTRATION (FRA)

(Continuation)

OMB Approval No.: 2130-0509

Inspector's ID No.	Report No.	Report Date
S3903	29	6/19/2006

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
4	BJ0156.18			234					142427U	N	N	1	

Description

Griswold Rd. - Cribbing and fill needed around Instrument case, and both flasher/gate masts. Especially around NE flasher/gate mast. Poor footing condition exists for maintenance persons.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
5	BJ0157.46	MAI		234	0245	02			142424Y	N	N	1	HGCS

Description

SIGN NOT IN GOOD CONDITION. - North Ridge Rd. - NE crossbuck damaged.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
6	BJ0157.46	MAI		234	0245	03			142424Y	N	N	1	HGCS

Description

SIGN MISSING OR NOT SECURE. - North Ridge Rd. - NE crossbuck mounted to cantilever arm with rope.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
7	BJ0157.46	MAI		234	0241	01			142424Y	N	N	2	HGCS

Description

INSULATED WIRE NOT PROTECTED FROM MECHANICAL INJURY. - North Ridge Rd. - Flashing light wires exposed and laying on cantilever catwalk from mast to lights. NE and SW cantilever arms.

Violation Recommended	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Latitude:	Longitude:
Written Notification to FRA of Remedial Action is:	Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>	Railroad Action Code	Date (mm/dd/yyyy)
			Comments on back? <input type="checkbox"/>

DEPARTMENT OF TRANSPORTATION

INSPECTION REPORT

FEDERAL RAILROAD ADMINISTRATION (FRA)

(Continuation)

OMB Approval No.: 2130-0509

Inspector's ID No.		Report No.		Report Date	
S3903		29		6/19/2006	

Item	Initials/Milepost	Equipment/Track #	Type/Kind	49 CFR/USC	Defect	Subrule	Speed	Class	Train #/Site	SNFR*	RCL**	# of Occ.***	Activity Code
8	BJ0157.46	MAI		234	0211	02			142424Y	N	N	2	HGCS
Description OTHER COMPONENT HOUSING NOT SECURED AGAINST UNAUTHORIZED ENTRY. - North Ridge Rd. - No ladder guards present to prevent others from climbing cantilever masts.NE and SW cantilever masts.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:			
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>			
9	BJ0157.46	MAI		234	0201	02			142424Y	N	N	1	HGCS
Description PLANS NOT LEGIBLE. - North Ridge Rd. - Plans torn and taped together.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:			
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>			
10	BJ0157.46	MAI		234	0239	01			142424Y	N	N	2	HGCS
Description WIRE NOT TAGGED OR OTHERWISE MARKED SO THAT IT CAN BE IDENTIFIED AT TERMINAL. - North Ridge Rd. - Tags illegible/faded. NE and SW gate mechanisms.													
Violation Recommended				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Latitude:				Longitude:			
Written Notification to FRA of Remedial Action is:				Required <input type="checkbox"/> Optional <input checked="" type="checkbox"/>		Railroad Action Code		Date (mm/dd/yyyy)		Comments on back? <input type="checkbox"/>			