Public Utilities Commission of Ohio

9

Memo

To:

Docketing Division

From

Jill Henry, Rail Specialist, Rail Division

Cc:

1

PUCO Legal Department

Date:

5/19/2011

Re: PUCO Case No. 10-1136-RR-STP- In the matter of a request for RJ Corman Railroad Company to install active grade crossing warning devices in Tuscarawas County, Village of Strasburg, at 1st Street E (DOT#142-585U) and 4th Street SE (DOT#142-586B).

On June 16, 2010, Commission Staff, The Ohio Rail Development Commission (ORDC), RJ Corman Railroad Company (RJC), and the Village of Strasburg, Tuscarawas County, Ohio entered into an agreement whereby active grade crossing warning devices would be installed in Tuscarawas County, Village of Strasburg, at 1st Street E (DOT#142-585U) and 4th Street SE (DOT#142-586B).

On August 13, 2010, The Ohio Rail Development Commission authorized funding for the projects.

On September 1, 2010, the Commission issued a Finding and Order approving the projects and requiring completion of the projects by September 1, 2011.

The crossing projects have been completed as follows:

	Street	DOT#	County	Date of Completion
1) 1 st Street E	(142-585U)	Tuscarawas County	5/8/2011
2) 4 th Street SE	(142-586B)	Tuscarawas County	5/8/2011

On the basis of the attached final reports for all the grade crossing projects, staff has determined that the above projects have been put-in-service. Accordingly, the above case may be closed.

)-DOCKETING DIV.

Highway Grade Crossing Warning System Installation Detail 1

Railroad = RJ Corman		man		Line =	16	
Location =	1st Str	eet	AAR#=	142585U	M.P. =	79.1
City =	Strasburg	State = _	Ohio	County =	Tuscar	awas
Construction	Start Date = _	5/2/2011				
NE Quad		Visible Warning	g Device:	s Detail	:	
# Flasher Ma	st	# Gate Mast _	1	# Cantilever		-
# Crossbuc	ks1	Gate Arm Length_	21	_ Cantilever Length		-
# 2-Way Ligh	ts	# 1-Way lights _		# Bells	1	
2-Way Lights Si	ze <u>12</u>	1-Way Lights Size_		_# Multiple Track Signs		-
SW Quad						
# Flasher Ma	st	# Gate Mast _	1	# Cantilever	:	
# Crossbuc	ks <u>1</u>	Gate Arm Length_	21	_ Cantilever Length _		_
# 2-Way Ligh	ts1	# 1-Way lights _	11	_ # Bells _	1	-
2-Way Lights Si	ze 12	1-Way Lights Size_	12	_# Multiple Track Signs _		
Quad					:	
# Flasher Ma	st	# Gate Mast _		_ # Cantilever _	: :	_
# Crossbuc	ks	Gate Arm Length_	-	_ Cantilever Length _		_
# 2-Way Ligh	ts	# 1-Way lights _		_ # Bells _		_
2-Way Lights Si	ze	1-Way Lights Size_		_# Multiple Track Signs _		-
Quad					•	
# Flasher Ma	st	# Gate Mast	:	_ # Cantilever _		
# Crossbuc	ks	Gate Arm Length_		_ Cantilever Length _		_
# 2-Way Ligh	ts	# 1-Way lights _		_ # Bells _		-
2-Way Lights Si	ze	1-Way Lights Size_		_# Multiple Track Signs _	: 	nue-

Page 1 of 4

Highway Grade Crossing Warning System Installation Detail 2

Railroad =		KJ Cor	man			Line =		16	
Location =		1st St	reet		AAR#=	1425	85U	M.P. =	79.1
City =		trasburg		State = _	Ohio	_	County =	Tuscara	was
Constru	uction Star	1 Date = _	5/2/	2011			•		
			<u>Under</u>	ground Cab	le & Conc	luit Detail		1 -	
Footage of 5c	:/#6 to:	Signal 1_	66	Signal 2	125	Signal 3		Signal 4_	
Footage of 7c/	/#14 to:	Signal 1_	66	Signal 2	125	Signal 3		Signal 4_	
Footage of 2d	:/#6 to:	Track 1_	225	Track 2		Track 3	····	Track 4_	
Footage of 3c	:/#9 to:	Signal 1_	66	Signal 2_	125	Location 3		Location 4_	
Footage of 3c	:/#9 to:	Power 1_	40	Power 2		Power 3		Power 4_	 ,
4" Coi	nduit unde	r Road =_	70	Unde	er tracks =	20		Under Other = _	
			ļ	Control Equ	ipment De	etail			
# of Inst	rument Ca	ses or Bur	ıgalows =	1		# of Batte	ry Boxes.	0	
# of GCP	Units =		Mar	ufacturer = _		_	Model # =		
# of PMD	Units = _	1	Man	ufacturer = _	Harmon		Model # =	HXP PMD 3R	
# of "C" Inve	erters =		Mar	ufacturer = _		_	Model # =	!	
GCP Freque	ency.	Unit 1_		Unit 2_		Unit 3		Unit 4_	
PMD Freque	ency.	Unit 1_	392	Unit 2_		Unit 3		Unit 4_	
Approach Le	ength.	Track 1_	1247	Track 2		Track 3		Track 4	
Island Len	gth.	Track 1_	120	Track 2		Track 3		Track 4_	
MB12 Amp	Hour ≍	312	XB12 A	mp Hour = _	264	MSB12 A	mp Hour ≈		

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	RJ Corman			Line = _		16	
Location =	1st Street		AAR# =	14258	5U	M.P. =	79.1
City =	Strasburg	State =	Ohio		County =	Tuscara	was
	Cut Over Test Date = 5/8/2	2011					
		Attend	ence Info				
PUCO 1	Shawn Zurfley		Railroad 1		Jim Boles	:	
PUCO 2	Jill Henry		Railroad 2			!	
PUCO 3			Railroad 3	··· <u></u>			
		Inspection	& Tests Mad	<u>le</u>			
Locks?	Yes Plan	ns in case a	nd correct?	Yes		:	
	Insulation Resistance Test made?	Yes		Relay Te	st Made?	Yes	
XB	12 Volts = 15.75	ME	312 Volts =	13.7	MSE	312 Volts = _	
Grounds T	est made? Yes	Cas	e and Bases	Tagged?	Yes	:	
Lamp	Volts AC =10	Lamp	Volts DC =	10			
Lights	Focused? Yes	FI	ash Rate =	<u>52</u> F	PM @ Light		
Gate /	Arm and lights proper? Yes		Gate Arn	n Movemen	t proper?	Yes	
Bell	s Operate? Yes	Traff	ic Pre-emptio	n operates	properly?	NA	
MS/G	CP Island Shunt with no time out?	Yes			AC/DC Island	d Shunted?_	
MS/G	CP Approach Shunt with time out?	Yes		AC/	DC Approact	h Shunted?_	
Te	ested under train moves this date?	No		Warning	Time observ	ed or set =	30

Highway Grade Crossing Warning System Installation Outline

Construction Start Date = 5/2/2011 Cut Over Test Date = 5/8/201 Visible Warning Devices Outline # Gate masts. 2 # Cantilever Masts. 0 # Flasher Masts. # 2 - Way light units. 3 # 1 - Way Light units. 1	<u></u>	16	Line =	Line =			RJ Corma	Railroad =
Construction Start Date 5/2/2011 Cut Over Test Date 5/8/2011	79.1	M.P. =	142585U	=142	AAR#=		1st Stree	Location =
# Gate masts. 2 # Cantilever Masts. 0 # Flasher Masts. # 2 - Way light units. 3 # 1 - Way Light units. 1 # Bells. # Crossbucks. 2 # Multiple Track Signs. 0 # Bells. Underground Cable & Conduit Outline	/as	Tuscarawas	County =		Ohio	State =	strasburg	City = S
# Gate masts. 2 # Cantilever Masts. 0 # Flasher Masts. # 2 - Way light units. 3 # 1 - Way Light units. 1 # Bells. # Crossbucks. 2 # Multiple Track Signs. 0 # Bells. Underground Cable & Conduit Outline	1	5/8/2011	: Over Test Date =	Cut Over		5/2/2011	rt Date =	Construction Sta
# 2 - Way light units.			ine	s Outline	1 Devices	Visible Warning		
# Crossbucks. 2 # Multiple Track Signs. 0 # Bells. Underground Cable & Conduit Outline	0	sher Masts.	0 # Flas					
191 Ft. 5c/#6 Gate/Flasher Cable. 225 Ft. 2c/#6 Track Cable. 40 Ft. 3c/#9 Power Cable. 90 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 = 1 Manufacturer = 0 Model # = 0 # of "C" Inverters = 0 Manufacturer = 0 Model # = 0 # of "C" Inverters = 0 #	2	# Bells.		•· <u> </u>	-	•		
# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0 # of GCP Units = 0 Manufacturer = 0 Model # = 1 # Description Model # = 0		:	utline	duit Outline	le & Cond	derground Cab	<u>. </u>	
# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0 # of GCP Units = 0 Manufacturer = 0 Model # = 0 # of PMD Units = 1 Manufacturer = 0 Model # = 0 # of "C" Inverters = 0 Manufacturer = 0 Model # = 0 # Of "C" Inverters = 0 Manufacturer = 0 Unit 1 O Unit 2 Unit 1 O Unit 3 Unit 4 PMD Frequency. Unit 1 Unit 1 Unit 2 Unit 2 Unit 3 Unit 4 Approach Length. Track 1 1247 Track 2 Unit 2 Unit 3 Unit 4 Island Length. Track 1 120 Track 2 Unit 2 Unit 3 Unit 4 Island Length. Track 1 120 Track 2 Unit 3 Unit 4 Island Length. Track 1 120 Track 2 Unit 2 Unit 3 Unit 4 Island Length. Track 1 Island Length. Track 2 Island Length. Track 3 Island Length. Track 4 Island Length. Track 1 Island L			trol/Flasher Cable.	4 Control/Fla	Ft. 7c/#14	191	te/Flasher Cat	191 Ft. 5c/#6 Gat
# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0 Model # = 0 Mode			ess Cable.	4 Express C	Ft. 7c/#14	191		
# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0 # of GCP Units = 0 Manufacturer = 0 Model # = 0 Mode								
# of Instrument Cases or Bungalows = 1 # of Battery Boxes = 0 # of GCP Units = 0 Manufacturer = 0 Model # = 0 # of PMD Units = 1 Manufacturer = Harmon Model # = 0 GCP Frequency. Unit 1 0 Unit 2 0 Unit 3 0 Unit 4 PMD Frequency. Unit 1 392 Unit 2 0 Unit 3 0 Unit 4 Approach Length. Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length. Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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		•					Ht.	90 Ft. 4" Condu
# of GCP Units = 0 Manufacturer = 0 Model # = 0 # of PMD Units = 1 Manufacturer = Harmon Model # = 0 # of "C" Inverters = 0 Manufacturer = 0 Model # = 0 GCP Frequency Unit 1 0 Unit 2 0 Unit 3 0 Unit 4 PMD Frequency Unit 1 392 Unit 2 0 Unit 3 0 Unit 4 Approach Length Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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		•	<u>}</u>	utline	ipment Οι	Control Equi		
# of PMD Units = 1			*	# of Batte			ases or Bunga	
# of "C" Inverters = 0		<u> </u>				· · · · · · · · · · · · · · · · · · ·		
GCP Frequency. Unit 1 0 Unit 2 0 Unit 3 0 Unit 4 PMD Frequency. Unit 1 392 Unit 2 0 Unit 3 0 Unit 4 Approach Length. Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length. Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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		 		<u>1</u>				
PMD Frequency. Unit 1 392 Unit 2 0 Unit 3 0 Unit 4 Approach Length. Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length. Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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			iviodei # =			vianuiaciurer = .	<u> </u>	# of "C" inverters =
PMD Frequency. Unit 1 392 Unit 2 0 Unit 3 0 Unit 4 Approach Length. Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length. Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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	0	Unit 4	Unit 3 0	Unit :	0	Unit 2	Unit 1	GCP Frequency.
Approach Length. Track 1 1247 Track 2 0 Track 3 0 Track 4 Island Length. Track 1 120 Track 2 0 Track 3 0 Track 4 B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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	0			-				• •
B12 Amp Hour = 312 GB12 Amp Hour = 264 MSB12 Amp Hour = 0 The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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	0	Track 4						• •
The above described apparatus was observed to be installed in accordance with State, Federal, and MUTC 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	0	Track 4	Гrack 3 0	Track 3	0	Track 2	Track 1	Island Length.
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		0	SB12 Amp Hour =	MSB12	264	12 Amp Hour =	312	B12 Amp Hour =
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	ח	and MUTCD	nce with State Federa	cordance wi	lled in acc	erved to be insta	naratus was o	The above described an
The above described location was observed to operate as designed in accordance with FRA standards and		,, and more					-	-
· · · · · · · · · · · · · · · · · · ·		tandards and		•				
		:			_	•		
Name Shawn A. Zurfley		Zurfley	ne Shawn A.	Name				
Title PUCO/FRA Inspector Date May 16, 2011		•						

Highway Grade Crossing Warning System Installation Detail 1

Railroad =	RJ Cori	man		Line =	<u>16</u>	
Location =	4th Str	reet	AAR#=	142586B	M.P. =	78.9
City =	Strasburg	State = _	Ohio	County = _	Tusca	rawas
Constructio	on Start Date =	5/2/2011				
NE Quad		Visible Warning	Devices	Detail		
Quad						
# Flasher Ma	ast	# Gate Mast _	1	# Cantilever _	<u> </u>	
# Crossbu	cks1	Gate Arm Length _	16	_ Cantilever Length_		
# 2-Way LigI	hts	# 1-Way lights _	3	_ # Bells _	1	
2-Way Lights S	Size	1-Way Lights Size _	12	_# Multiple Track Signs _		
SW Quad					;	
# Flasher Ma	ast	# Gate Mast _	1	# Cantilever _	.:	
# Crossbu	cks1	Gate Arm Length _	16	Cantilever Length_		
# 2-Way Ligl	hts1	# 1-Way lights _		_ # Bells _	1	
2-Way Lights S	Size12	1-Way Lights Size_		_# Multip le Track Signs _		
Quad					;	
# Flasher Ma	ast	# Gate Mast _		# Cantilever _		
# Crossbu	cks	Gate Arm Length_		Cantilever Length_	-	
# 2-Way Ligh	hts	# 1-Way lights _		_ # Bells _	:	
2-Way Lights S	Size	1-Way Lights Size_		_# Multiple Track Signs _		
Quad						
# Flasher Ma	ast	# Gate Mast _		# Cantilever _	:	
# Crossbu	cks	Gate Arm Length _		_ Cantilever Length _	<u> </u>	
# 2-Way LigI	hts	# 1-Way lights _		# Bells _		
2-Way Lights S	Size	1-Way Lights Size_		_# Multiple Track Signs _		

Highway Grade Crossing Warning System Installation Detail 2

Railroad =	RJ Cor	man			Line =	16	
Location =	4th St	reet		AAR# =	142586B	M.P. =	78.9
City =	Strasburg		State = _	Ohio	_ Co	ounty = Tusc	arawas
Construction	Start Date = _	5/2/2	2011			:	
		<u>Underg</u>	round Cable	& Condu	ıit Detail		
Footage of 5c/#6 to	: Signal 1	100	Signal 2_	50	Signal 3	Signal	4
Footage of 7c/#14 to	o: Signal 1_	100	Signal 2_	50	Signal 3	Signal	4
Footage of 2c/#6 to	Track 1	200	Track 2_		Track 3	Track	4
Footage of 3c/#9 to:	Signal 1	100	Signal 2_	50	Location 3	Location	4
Footage of 3c/#9 to	: Power1_	70	Power 2_		Power 3	Power	4
4" Conduit u	ınder Road =_	30	Unde	er tracks =	20	Under Other	=
		C	ontrol Equip	ment Det	ai <u>l</u>	· · · ·	
# of Instrumen	t Cases or Bur	ngalows =	11		# of Battery B	oxes. 0	'
# of GCP Units	=	Man	ufacturer = _		_ Mo	del # =	-
# of PMD Units	= 1	Man	ufacturer = _	Harmon	_ Mo	del#= <u>IXP PMD</u>	<u>3</u> R
# of "C" Inverters	=	Man	ufacturer = _		_ Mod	del # =	N a-
GCP Frequency.	Unit 1	<u></u>	Unit 2_		Unit 3	Unit	4
PMD Frequency.	Unit 1_	392	Unit 2_		Unit 3	Unit	4
Approach Length.	Track 1_	1247	Track 2 _		Track 3	Track	4
Island Length.	Track 1	120	Track 2		Track 3	Track	4
MB12 Amp Hour	= 312	XB12 A	mp Hour =	264	MSB12 Amp	Hour≔ :	

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	RJ Corn	nan		Line =	16	
Location =	4th Stre	et	AAR# =	142586B	M.P. =	78.9
City =	Strasburg	State =	Ohio	County =	Tuscar	awas
	Cut Over Test Date =	5/8/2011				
		Attende	nce Info			
PUCO 1	Shawn Zurfley	<u> </u>	Railroad 1	Jim Boles		
PUCO 2	Jill Henry	·····	Railroad 2			
PUCO 3			Railroad 3			
		Inspection &	Tests Made		:	
Locks?	Yes	Plans in case ar	nd correct?	Yes		
	Insulation Resistance Tes	t made? Yes		Relay Test Made?	Yes	
XB	312 Volts = 15.75	ME	312 Volts =	15.6 MSB	12 Volts = _	
Grounds T	est made? Yes	Cas	e and Bases T	agged? Yes		
Lamp	Volts AC = 10	Lamp	Volts DC =	10	:	
Lights	s Focused? Yes	FI	ash Rate =	52 FPM @ Lig	ht	
Gate /	Arm and lights proper?	Yes	Gate Arm	Movement proper?	Yes	
Bell	s Operate? Yes	Traffi	c Pre-emption	operates properly?	NA	
MS/G	CP Island Shunt with no t	ime out?Yes		AC/DC Island	I Shunted?	
MS / G	CP Approach Shunt with t	ime out? Yes		AC/DC Approach	: Shunted?_	
Te	ested under train moves th	nis date? No	V	Jarnina Time observ	ed or set =	30

Highway Grade Crossing Warning System Installation Outline

Railroad =				Line =		16	
Location =			AAR#=	14258	6B	M.P. =	78.9
City =	Strasburg	State =	Ohio		County = _	Tuscara	was
Construction St	art Date =	5/2/2011		Cut Over Te	st Date = _	5/8/20	11
		Visible Warning	Devices O	utline			
# Gate masts.	2		ever Masts.		# Flasi	ner Masts.	0
# 2 - Way light units. # Crossbucks.	1 2	# 1 - Way # Multiple T	Light units. rack Signs.			# Bells.	2
	9	Underground Cable	& Condui	t Outline			
200 Ft. 2c/#6 Tr 70 Ft. 3c/#9 Pc 50 Ft. 4" Cond	ower Cable.			Express Cabl	₿.		
		Control Equip	oment Outl	ine			
# of Instrument (# of GCP Units = # of PMD Units = # of "C" Inverters =	0 1 0	Manufacturer = Manufacturer = Manufacturer =	0 Harmon 0	<u>.</u> N	/lodel # = _	0 0 XP PMD 3R 0	
GCP Frequency.	Unit 1	0 Unit 2	0	Unit 3	0	Unit 4	0
PMD Frequency.	Unit 1	392 Unit 2	0	Unit 3	0	Unit 4	0
Approach Length.	Track 1	1247 Track 2		Track 3	0	Track 4	0
Island Length.	Track 1	120 Track 2	0	Track 3	0	Track 4	0
B12 Amp Hour =	312	GB12 Amp Hour =	264	MSB12 Am	p Hour = _	0	
The above described a	nnaratus was	abaansad ta ba insta	allad in acco	rdanaa with S	Stata Eada	vol. and Mili	TCD

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 May 16, 2011