# Memo

To:

**Docketing Division** 

From:

Jill Henry, Rail Specialist, Rail Division

Date:

1/20/2011

PUCO Case No. 09-1990 -RR-STP- In the matter of a request for CSX Transportation, Inc. to install active grade crossing warning devices in Darke County, Wayne Township at HB Hole Rd. (DOT#538-785B) and Wolf Rd. (DOT#538-798C).

By Commission order issued January 20, 2011, the Commission ordered the installation of active of warning devices at the above mentioned crossings.

The following crossings were included in the project:

	Railroad	Street	DOT#	City/County	Date of €Completion
1)	CSX	HB Hole Road/TR 303	(538-785B)	Darke County	8/4/2010
2)	CSX	Wolf Road/TR 176	(538-798C)	Darke County	8/30/2010

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.

C: PUCO Legal Department

2011 JAN 20 AH 11: 27
PUCO

This is to certify that the mages appearing are an accurate and complete reproduction of a case file iocument delivered in the regular course of

Railroad =	CSX TRANSPO	DRTATION		Line = <b>IN</b>	DIANAPOLIS
Location =	WOLF R	OAD	AAR#=	538798C	M.P. =
City =	VERSAILLES	State = _	ОНЮ	_ County = _	DARKE
Constructio	n Start Date =	8/9/2010			
NW Quad		Visible Warning	<u>Devices</u>	<u>Detail</u>	
# Flasher Ma	ast	# Gate Mast _	1	# Cantilever _	:
# Crossbu	cks	Gate Arm Length_	18'	_ Cantilever Length _	<del></del>
# 2-Way Ligh	nts <u>1</u>	# 1-Way lights _		_ # Bells _	1
2-Way Lights S	Size <u>12"</u>	1-Way Lights Size_		_# Multiple Track Signs _	1
SE Quad					
# Flasher Ma	ast	# Gate Mast _	1	# Cantilever _	<del> </del>
# Crossbu	cks	Gate Arm Length	18'	_ Cantilever Length_	<del></del>
# 2-Way Ligh	nts <u>1</u>	# 1-Way lights _		# Bells _	<u> </u>
2-Way Lights S	ize <b>12"</b>	1-Way Lights Size _		_# Multiple Track Signs	1
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_	<del></del>
Quad					
# Flasher Ma	ast	# Gate Mast		_ # Cantilever _	
# Crossbu	cks	Gate Arm Length_		_ Cantilever Length_	
# 2-Way Ligh	hts	# 1-Way lights _		_ # Beils _	,
2-Way Lights S	Size	1-Way Lights Size		# Multiple Track Signs	

Railroad = _		SX TRANSF	PORTATIO	<u>N</u>		Line = _	<u> </u>	NANAPOL	\$
Location = _		WOLF I	ROAD		AAR#=	5387	98C	M.P. =	183.72
City = _	v	ERSAILLES	<b>S</b>	_ State = _	оню		County =_	DAF	RKE
Cons	struction St	tart Date = _	8/9/	2010					
			Underg	round Cable	& Condu	it Detail			
Footage of 1	19c/comp :	Signal 1_	130'	_ Signal 2_	145'	Signal 3_		Signal 4	
Footage of	7c/#14 to:	Signal 1_		_ Signal 2_		Signal 3_		Signal 4	
Footage of	2c/#6 to:	Track 1_	250'	Track 2 _	250'	Track 3		Track 4	
Footage of	7c/#14 to:	Location 1_		_Location 2		Location 3_		Location 4	<u> </u>
Footage of	3c/#9 to:	Power 1_	90'	Power 2_		Power 3_		Power 4	<del></del>
4" (	Conduit und	der Road = _	40'	Unde	er tracks =	80'	Und	er Other =	<del></del>
			<u>c</u>	ontrol Equip	ment Deta	<u>ail</u>			
# of li	nstrument (	Cases or Bu	ngalows =	11		# of Batter	y Boxes.	:	
# of GO	CP Units =	4000	Mai	nufacturer = _			Model#=_	<del>}</del>	
# of PN	1D Units =		Mar	nufacturer = _			Model#=_		
# of "C" I	nverters =		Mar	nufacturer = _			Model#=_		
GCP Free	quency.	Unit 1_	86hz	Unit 2	86hz	Unit 3		Unit 4	
PMD Free	quency.	Unit 1_		Unit 2		Unit 3_		Unit 4	
Approach	Length.	Track 1_	3318'	Track 2	3318'	Track 3		Track 4	
Island L	ength.	Track 1_	120'	Track 2	120	Track 3_		Track 4	-
B12 Ar	mp Hour =	165	GB12 /	Amp Hour = _	165	MSB12 Ar	mp Hour = _	165	

## Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	CSX TRANSPOR	TATION		Line =	INDIANAPOL	IS
Location =	WOLF ROA	ND .	AAR# =	538798C	M.P. =	183.72
City =	VERSAILLES	State = _	ОНЮ	Count	y = <b>DAF</b>	RKE
	Cut Over Test Date =	8/30/2010				
		Attender	nce Info			
PUCO 1	Shawn Zurfley		Railroad 1_	<u></u>		
PUCO 2	Jill Henry		Railroad 2_			
PUCO 3		<del></del>	Railroad 3			
		Inspection &	Tests Made			
Locks?	YES	Plans in case ar	id correct?_	YES		
	Insulation Resistance Test r	made? YES		Relay Test Mac	de? <u>YES</u>	
XB	112 Volts = <b>14.5vdc</b>	E	112 Volts =	15.6vdc	OB12 Volts =	12.8vdc
Grounds T	est made? YES	Cas	e and Bases	Tagged? YES	<u>.                                    </u>	
Lamp	Volts AC = <b>9.1</b>	Lamp '	√olts DC = _	9.1		
Lights	Focused? YES	Fla	sh Rate = _	56 FPM @	Light	
Gate /	Arm and lights proper?Y	'ES	Gate Arn	n Movement prop	er? YES	
Bell	s Operate? YES	Traffi	c Pre-emption	n operates proper	ty? <u>NA</u>	
MS/G	CP Island Shunt with no tim	e out? YES		AC/DC Is	land Shunted?	
MS / G(	OP Approach Shunt with tim	e out?		AC/DC Appro	pach Shunted?	
Te	ested under train moves this	date?	,	Warning Time obs	served or set =	31 sec

## Highway Grade Crossing Warning System Installation Outline

Railroad =	CSX TRANSPOR	TATION		Line = _	INE	IANAPOL	IS
Location =	WOLF ROA	<u>AD</u>	AAR#=	53879	8C	M.P. =	183.72
City =	VERSAILLES	State =	оню	<u>-</u>	County =_	DAR	KE
Construc	ction Start Date =	8/9/2010		Cut Over Te	est Date = _	8/30/:	2010
		Visible Warning	Devices O	<u>utline</u>		•	
# Gate r # 2 - Way light # Crossi	t units. 2	# Cantile # 1 - Way # Multiple Tr		0	# Flasi	ner Masts # Bells.	
<i>"</i> 0,000.	<del></del>	nderground Cable	•			, BOIIO.	<u> </u>
<b>0</b> Ft. 3	e/#6 Track Cable. 6c/#9 Power Cable. " Conduit.	Control Equip		Express Cab	le.		
# of GCP t	Jnits = 0			# of Battery	Boxes = _ Model # = _ Model # = _ Model # = _	0 0 0 0	
GCP Freque PMD Freque Approach Ler Island Leng	ncy. Unit 1	6hz Unit 2 0 Unit 2 318' Track 2 120' Track 2	86hz 0 3318' 120	Unit 3 _ Unit 3 _ Track 3 _ Track 3 _	0	Unit 4 Unit 4 Track 4 Track 4	
B12 Amp I	Hour = <u>165</u> (	3B12 Amp Hour =	165	MSB12 An	np Hour = _	165	
standards and re The above desc	cribed apparatus was of egulations. (Except the cribed location was obs except those defects not	ose defects noted of erved to operate as	on FRA Rep s designed	port)		standards	

PUCO/FRA Inspector

January 10, 2011

Title Date

Railroad =	CSX TRANSF	PORTATION		Line = INI	<u> PIANAPOI</u>	<u>lis</u>
Location =	H.B. HOL	E ROAD	AAR#=	538785B	M.P. =	179.97
City =	VERSAILLES	State = _	OHIO	_ County = _	DA	RKE
Construction	Start Date = _	7/7/2010				
NW Quad		Visible Warning	Devices	<u>Detali</u>	ī	
# Flasher Mas	st	# Gate Mast	_1_	# Cantilever		
# Crossbuck	<s< td=""><td>Gate Arm Length</td><td>18'</td><td>Cantilever Length</td><td></td><td>-</td></s<>	Gate Arm Length	18'	Cantilever Length		-
# 2-Way Light	s <u>1</u>	# 1-Way lights _		_ # Bells	1	-
2-Way Lights Siz	ze <u>12"</u>	1-Way Lights Size		_# Multiple Track Signs	1	-
SE Quad						
# Flasher Mas	st	# Gate Mast	11	# Cantilever _	, <u>.</u>	-
# Crossbuck	<s< td=""><td>Gate Arm Length</td><td>18'</td><td> Cantilever Length</td><td></td><td>-</td></s<>	Gate Arm Length	18'	Cantilever Length		-
# 2-Way Light	s <u>1</u>	# 1-Way lights _	<b>.</b>	_ # Beils _	1	-
2-Way Lights Siz	ze <u>12"</u>	1-Way Lights Size		_# Multiple Track Signs	1	_
Quad						
# Flasher Mas	st	# Gate Mast _		# Cantilever	<del>-</del>	-
# Crossbuch	ks	Gate Arm Length		Cantilever Length_	;	-
# 2-Way Light	s	# 1-Way lights _		# Beils		
2-Way Lights Siz	ze	1-Way Lights Size	·	_# Multiple Track Signs		-
Quad						
# Flasher Mas	st	# Gate Mast _	<del></del>	# Cantilever	<del></del>	<del>.</del>
# Crossbuck	<s< td=""><td>Gate Arm Length</td><td>·····</td><td>Cantilever Length</td><td></td><td>-</td></s<>	Gate Arm Length	·····	Cantilever Length		-
# 2-Way Light	s	#1-Way lights _	······	_ # Bells _		-
2-Way Lights Siz	ze	1-Way Lights Size			;	

Railroad =	CSX TRANSP	ORTATION	<u> </u>		Line =	INDIANAPO	LIS
Location =	H.B. HOLE	ROAD		AAR#=	538785E	M.P. =	179.97
City =	VERSAILLES		State = _	ОНЮ	Co	ounty = <b>DA</b>	RKE
Construction	Start Date = _	7/7/2	010				
		Undergr	ound Cable	& Condu	it Detail		
Footage of 19c/comp	s: Signal 1	80'	Signal 2_	140'	Signal 3	Signal 4	<b>!</b>
Footage of 7c/#14 to	o: Signal 1		Signal 2_		Signal 3	Signal 4	
Footage of 2c/#6 to	: Track 1	210'	Track 2_	210'	Track 3	Track 4	<u> </u>
Footage of 7c/#14 to	o: Location 1_		Location 2_		Location 3	Location 4	
Footage of 3c/#9 to	: Power 1_	50'	Power 2_		Power 3	Power 4	·
4" Conduit ι	ınder Road = _	40'	Unde	er tracks =	80'	Under Other =	:
		<u>Co</u>	ntrol Equip	ment Det	<u>ail</u>		
# of Instrumer	nt Cases or Bun	galows = _	1		# of Battery B	oxes.	_
# of GCP Units	= 4000	Manu	ıfacturer = _		Мо	del#=	_
# of PMD Units	=	Manu	ufacturer = _		Мо	del#=	_
# of "C" Inverters	=	Manu	ıfacturer = _		Мо	del#=	_
GCP Frequency.	Unit 1	156hz	Unit 2_	156hz	Unit 3	Unit 4	ļ
PMD Frequency.	Unit 1_		Unit 2_		Unit 3	Unit 4	ļ
Approach Length.	Track 1_	3476'	Track 2 _	3476'	Track 3	Track 4	·
Island Length.	Track 1_	120'	Track 2 _	120	Track 3	Track 4	
B12 Amp Hour	= 165	GB12 Ar	mp Hour =	165	MSB12 Amp	Hour = 165	

## Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	CSX TRANSPORTA	ATION		Line =	INDIANAPOL	IS
ocation =	H.B. HOLE		AAR# =	538785B	M.P. =	179.97
City =	VERSAILLES	State = _	ОНЮ	Coun	ty = <b>DAF</b>	RKE
	Cut Over Test Date =	8/4/2010				
		Attender	nce Info			
PUCO 1	Shawn Zurfley	<del></del>	Railroad 1			
PUCO 2	Jill Henry		Railroad 2			
PUCO 3		·	Railroad 3_	**************************************		
		Inspection &	Tests Made			
Locks?	YES	Plans in case ar	d correct?	YES		
	Insulation Resistance Test ma	de? YES		Relay Test Ma	de? YES	
XB	12 Volts = <b>16.5vdc</b>	е	12 Volts =	15.6vdc	OB12 Volts =	12.8vdc
Grounds T	est made?YES	Case	e and Bases	Tagged? YES		
Lamp	Volts AC = 9.1	Lamp	/olts DC =	9.1		
Lights	Focused? YES	Fia	ash Rate =	56 FPM @	Light	
Gate /	Arm and lights proper? YES	<u>s</u>	Gate Arm	n Movement prop	er? YES	
Bell	s Operate? YES	Traffic	c Pre-emption	n operates prope	rly? NA	
MS/G	CP Island Shunt with no time	out? YES		AC/DC Is	land Shunted?	
MS / G	CP Approach Shunt with time	out?		AC/DC Appr	oach Shunted?	
Te	ested under train moves this da	ate?	\	Narning Time ob	served or set =	32 sec

## Highway Grade Crossing Warning System Installation Outline

	CSX TRANSP	ORTATION		Line = _	INE	IANAPOLI	<u> </u>
Location =	H.B. HOLE	ROAD	AAR#=	5387	85B	: . M.P. = _	179.97
City =	VERSAILLES	State =	ОНЮ	_	County =_	DAR	KE
Constru	iction Start Date = _	7/7/2010		Cut Over Te	est Date = _	8/4/2	010
		<u>Visible Warning l</u>	Devices O	utline			
	masts. 2		ver Masts.		# Flash	her Masts.	0
# 2 - Way ligh # Cross	sbucks. 2	# 1 - Way L # Multiple Tr				# Bells.	1
		Underground Cable	& Condui	it Outline			
0 Ft. :	5c/#6 Gate/Flasher ( 2c/#6 Track Cable. 3c/#9 Power Cable.	0	Ft. 7c/#14	Express Cab	ile.		
0 Ft. : 0 Ft. : 0 Ft. : 4 of Insti	2c/#6 Track Cable. 3c/#9 Power Cable. 4" Conduit. rument Cases or Bur	<u>Control Equip</u>	ment Outl	line # of Battery	Boxes =	0	
0 Ft.: 0 Ft.: 4 of Insti	2c/#6 Track Cable. 3c/#9 Power Cable. 4" Conduit.  rument Cases or Bur Units = 4000 Units = 0	Control Equip		line # of Battery	/ Boxes = _ Model # = _ Model # = _	0 0	
0 Ft. 2 0 Ft. 2 0 Ft. 4 0 Ft. 4 for Instruction of GCP	2c/#6 Track Cable. 3c/#9 Power Cable. 4" Conduit.  rument Cases or Bur Units = 4000 Units = 0	<u>Control Equip</u> ngalows = <u>1</u> Manufacturer = _	ment Outi	line # of Battery	/ Boxes = _ Model # = _	0	
0 Ft. d 0 Ft. d 0 Ft. d 4 of Institute of GCP # of PMD	2c/#6 Track Cable. 3c/#9 Power Cable. 4" Conduit.  rument Cases or Bur Units = 4000 Units = 0 erters = 0 ency. Unit 1 ency. Unit 1 ency. Unit 1	Control Equipongalows = 1  Manufacturer = Manufacturer =	ment Outi 0 0	line # of Battery	/ Boxes = _ Model # = _ Model # = _	0	0 0 0

Name Shawn A. Zurfley

Title PUCO/FRA Inspector Date January 10, 2011