Public Utilities Commission of Ohio

Memo

To: Docketing Division

From: Thomas Persinger, Rail Project Specialist, Rail Division

Cc: PUCO Legal Department

Date: 4-27-2023

Re: PUCO Case No. 19-423-RR-STP- In the Matter of a Request for Upgrades

at Akron Barberton Cluster Railway Crossings in Medina and Portage

County, Ohio.

On October 16, 2018, Commission Staff (PUCO) and Akron Barberton Cluster Railway (AB) entered into a stipulation agreement whereby upgraded warning devices would be installed at the following crossings:

<u>Street</u>	DOT#	County	<u>Project</u>
Main Street	262-564G	Portage	Lights and Gates
Medina Line Road	265-079J	Medina	Lights and Gates
Main Street	265-076N	Medina	Lights and Gates

On April 3, 2019, the Commission issued a Finding and Order approving the project, requiring plans and estimates by July 3, 2019 and ordering project completion by April 3, 2020.

The crossing project has been completed and is in-service:

S	treet	DOT#	County	Date of Completion
Main Stre	et	262-564G	Portage	5-19-2020
Medina L	ne Road	265-079J	Medina	11-11-2019
Main Stre	et	265-076N	Medina	7-14-2020

Copies of the final crossing inspections are attached. Accordingly, the above case may be closed.

Railroad = A	ailroad = Akron Barberton Cluster			Line =			
Location =	Main S	Street	AAR# =	262564G	M.P. =	213.1	
City =	Kent	State =	Ohio	County = _	Port	age	
Construction St	tart Date = _	3/17/2020					
		Visible Warning	Devices	<u>Detail</u>			
NE Quad							
# Flasher Mast		# Gate Mast	1	# Cantilever	1		
# Crossbucks	2	Gate Arm Length	33	Cantilever Length	26		
# 2-Way Lights	1	# 1-Way lights	1	# Bells	1		
2-Way Lights Size	12	1-Way Lights Size	12	^t Multiple Track Signs			
SW Quad							
# Flasher Mast		# Gate Mast	1	# Cantilever	1	·	
# Crossbucks	2	Gate Arm Length	24	Cantilever Length	24		
# 2-Way Lights	1	# 1-Way lights	2	# Bells	1	•	
2-Way Lights Size	12	1-Way Lights Size	12	^t 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		^t 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		^t Multiple Track Signs			

Railroad =	Ak	ron Barbei	rton Clus	ter		Line =		0		_
Location =		Main S	street		AAR# =	2625	64G	M.P. =	213.1	
City =		Kent		State =	Ohio	_	County =	Porta	age	
Constru	uction Sta	ırt Date = _	3/17	/2020						
			<u>Underg</u>	round Cable	e & Cond	uit Detail				
Footage of 5	5c/#6 to:	Signal 1	105	Signal 2	175	Signal 3		Signal 4		_
Footage of 7	c/#14 to:	Signal 1	105	Signal 2	175	Signal 3		Signal 4		_
Footage of 2	2c/#6 to:	Track 1_	265	Track 2		Track 3		Track 4		_
Footage of 7	c/#14 to:L	ocation 1		Location 2		Location 3		Location 4		
Footage of 3	3c/#9 to:	Power 1_	280	Power 2		Power 3		Power 4		
4" Coi	nduit unde	er Road = _	120	_ Unde	er tracks =	20	Und	der Other = _		
			C	ontrol Equip	oment De	<u>tail</u>				
# of Instr	rument Ca	ases or Bur	ngalows =	1		# of Batte	ry Boxes.			
# of GCP	Units = _	1	Man	ufacturer = _	Alstrom	_	Model # =	XP4		
# of PMD	Units = _		Man	ufacturer = _		_	Model # =			
# of "C" Inv	/erters = _		Man	ufacturer = _		_	Model # =			
GCP Frequ	uency.	Unit 1_	970	Unit 2		Unit 3		Unit 4		
PMD Frequ	uency.	Unit 1_		Unit 2		Unit 3		Unit 4		
Approach L	ength.	Track 1_	520	Track 2		Track 3		Track 4		
Island Lei	ngth.	Track 1	142	Track 2		Track 3		Track 4		
B12 Amp	o Hour = _		XB12 A	mp Hour = _	250	MSB12 A	mp Hour =	340		

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	Akron Barbe	rton Cluste	r		Line =		0				
Location =	Main S	Street		AAR# =	2625640	<u> </u>	M.P. =	213.1			
City =	Kent		State =	Ohio	Co	unty = _	Porta	age			
Cı	ut Over Test Date = _	5/19/20	020								
			<u>Attende</u>	nce Info							
PUCO 1	SHAWN ZURFI	_EY		Railroad 1	KEVIN	PATO	NI				
PUCO 2				Railroad 2							
PUCO 3				Railroad 3							
	Inspection & Tests Made										
Locks?	YES	Plans i	n case an	d correct?_	YES						
Insu	ılation Resistance Te	est made?	YES		Relay Test I	Made?_	YES				
B12	Volts =		XB	12 Volts =	12.08	MSB1	2 Volts = _	13.32			
Grounds Tes	t made? YES		Case	and Bases	Tagged?	/ES					
Lamp Vo	olts AC = 12.1		Lamp \	/olts DC = _	11.7						
Lights F	ocused? YES		Fla	ash Rate = _	54 FPN	Л @ Ligl	ht				
Gate Arm	and lights proper?	YES		Gate Arm	Movement p	roper?_	YES				
Bells C	Operate? YES		Traffic	Pre-emption	operates pro	perly?	NA				
MS / GCP	Island Shunt with no	time out? _	YES		AC/DC	: Island	Shunted?				
MS / GCP A	Approach Shunt with	time out?_	YES		AC/DC Ap	proach	Shunted?				
Teste	d under train moves	this date?	YES	W	arning Time	observe	d or set = _	35			

Highway Grade Crossing Warning System Installation Outline

Railroad =	Akron Barber	Akron Barberton Cluster				0				
Location =	Main S	treet	AAR# =	2625	64G	M.P. =	213.1			
City =	Kent State =		Ohio	_	County =	Porta	age			
Construction Start Date = 3/17/2020		3/17/2020		Cut Over T	est Date =	5/19/2	2020			
Visible Warning Devices Outline										
	Sate masts. 2	•	ver Masts.		# Flash	er Masts	0			
	rossbucks. 2	# 1 - Way l Multiple Tr	•			# Bells.	2			
		Underground Cable	& Condu	it Outline						
280 265 280 140	Ft. 5c/#6 Gate/Flasher Ft. 2c/#6 Track Cable. Ft. 3c/#9 Power Cable. Ft. 4" Conduit.	0		Control/Fla Express Ca						

Control Equipment Outline

# of Instrument Ca	ases or Bui	ngalows =	1		# of Batte	ry Boxes =	0	
# of GCP Units =	1	Manufacturer =		Alstrom		Model # =	XP4	
# of PMD Units =	0	Manufacturer =		0	-	Model # =	0	
# of "C" Inverters =	0	Man	ufacturer =	0	Model # =		0	
GCP Frequency.	Unit 1	970	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	520	Track 2	0	Track 3	0	Track 4	0
Island Length.	Track 1	142	Track 2	0	Track 3	0	Track 4	0
B12 Amp Hour = _	0	GB12 A	mp Hour =	250	MSB12 A	.mp Hour = _	340	

The above described location was observed to operate as designed in accordance with FRA standards and regulations. (Except those defects noted on FRA Report 2)

Name	Snawn A. Zurriey
Title	PUCO/FRA Inspector
Date	January 7, 2021

Railroad =	Akron Barber	rton Cluster		Line =		
Location =	Medina Li	ne Road	AAR# =	265079J	M.P. =	213.1
City =	Barberton	State =	Ohio	County =	Мес	lina
Construction	n Start Date = _	10/31/2019				
		Visible Warning	Devices	<u>Detail</u>		
NW Quad						
# Flasher Ma	ast	# Gate Mast _	1	# Cantilever _		
# Crossbu	cks <u>1</u>	Gate Arm Length	17	Cantilever Length _		
# 2-Way Ligh	nts1	# 1-Way lights		# Bells		
2-Way Lights S	Size 12	1-Way Lights Size		^Ł Multiple Track Signs		
SE Quad						
# Flasher Ma	ast	# Gate Mast		# Cantilever	_	
# Crossbu	cks <u>1</u>	Gate Arm Length	17	Cantilever Length		
# 2-Way Ligh	nts1	# 1-Way lights		# Bells	1	
2-Way Lights S	Size 12	1-Way Lights Size		^t Multiple Track Signs		
Quad						
# Flasher Ma	ast	# Gate Mast		# Cantilever		
# Crossbuo	cks	Gate Arm Length		Cantilever Length		
# 2-Way Ligh	nts	# 1-Way lights		# Bells		
2-Way Lights S	Size	1-Way Lights Size		t Multiple Track Signs		
Quad						
# Flasher Ma	ast	# Gate Mast		# Cantilever		
# Crossbuo	cks	Gate Arm Length		Cantilever Length		
# 2-Way Ligh	nts	# 1-Way lights		# Bells		
2-Way Lights S	Size	1-Way Lights Size		^t Multiple Track Signs		

Railroad = _	Akı	ron Barbe	rton Clus	ter		Line =		0	
Location = _		Medina Li	ne Road		AAR# =	2650	79J	M.P. =	213.1
City = _	E	Barberton		State =	Ohio	<u>-</u>	County =	Med	ina
Const	truction Sta	rt Date = _	10/31	/2019					
			<u>Underg</u> ı	round Cable	& Condu	uit Detail			
Footage of	5c/#6 to:	Signal 1	155	Signal 2	85	Signal 3		Signal 4	
Footage of	7c/#14 to:	Signal 1	155	Signal 2	85	Signal 3		Signal 4	
Footage of	2c/#6 to:	Track 1	500	Track 2		Track 3		Track 4	
Footage of	7c/#14 to:L	ocation 1		Location 2		Location 3	ا	Location 4	
Footage of	3c/#9 to:	Power 1	120	Power 2		Power 3		Power 4	
4" C	onduit unde	er Road = _	70	Unde	r tracks =	20	Und	er Other =	
			Co	ontrol Equip	ment Det	<u>tail</u>			
# of Ins	strument Ca	ases or Bu	ngalows =	1		# of Batte	ry Boxes.		
# of GC	P Units = _		Man	ufacturer = _			Model # =		
# of PM	D Units = _		Man	ufacturer = _			Model # =		
# of "C" Ir	nverters = _	1	Man	ufacturer = _			Model # =	TD4	
GCP Free	quency.	Unit 1		Unit 2		Unit 3		Unit 4	
PMD Free	quency.	Unit 1		Unit 2		Unit 3		Unit 4	
Approach	Length.	Track 1	470	Track 2		Track 3		Track 4	
Island L	ength.	Track 1	157	Track 2		Track 3		Track 4	
B12 An	np Hour = _		XB12 A	.mp Hour = _	250	MSB12 Ar	mp Hour =	340	

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	Akron Barbe	rton Cluste	r		Line =		0			
Location =	Medina Li	ne Road		AAR# =	265079J		M.P. =	213.1		
City =	Barberton		State =	Ohio	Со	unty = _	Med	ina		
Cut	Over Test Date =	11/11/2	2019							
			<u>Attende</u>	nce Info						
PUCO 1	SHAWN ZURFI	_EY		Railroad 1	KEVIN	PATON	11			
PUCO 2				Railroad 2						
PUCO 3				Railroad 3						
Inspection & Tests Made										
Locks?	YES	Plans	in case ar	d correct?	YES					
Insula	ation Resistance Te	est made?_	YES		Relay Test N	Made?_	YES			
B12 \	/olts =		XE	12 Volts =	12.08	MSB1	2 Volts = _	13.32		
Grounds Test	made? YES		Case	and Bases	Tagged? Y	'ES				
Lamp Volt	s AC = 10.3		Lamp \	/olts DC = _	11.6					
Lights Foo	cused? YES		Fla	ash Rate = _	52 FPN	/I @ LigI	nt			
Gate Arm a	and lights proper?	YES		Gate Arm	Movement pi	oper?_	YES			
Bells Op	perate? YES		Traffic	Pre-emption	operates pro	perly?_	NA			
MS / GCP Is	land Shunt with no	time out?_			AC/DC	Island	Shunted?	YES		
MS / GCP Ap	oproach Shunt with	time out?_			AC/DC Ap	proach (Shunted?_	YES		
Tested	under train moves	this date?_	NO	W	/arning Time o	observe	d or set = _	32		

Highway Grade Crossing Warning System Installation Outline

Railroad =	Akron Barberto	n Cluster		Line =		0			
Location =	Medina Line	Road	AAR# =	2650	79J	M.P. =	213.1		
City =	Barberton State =		Ohio	<u>-</u>	County = _	Med	ina		
Cons	struction Start Date =	10/31/2019		Cut Over T	est Date =_	11/11/	2019		
Visible Warning Devices Outline									
	# Gate masts # Cantilever Masts 0 # Flasher Masts 0								
•	light units. 2 rossbucks. 2	# 1 - Way L Multiple Tra	•			# Bells.	1		
	<u>Ur</u>	nderground Cable	& Condu	it Outline					
	Ft. 5c/#6 Gate/Flasher Ca			Control/Flas					
	Ft. 2c/#6 Track Cable. Ft. 3c/#9 Power Cable.	0	Ft. 7c/#14	Express Ca	ible.				
90	Ft. 4" Conduit.								

Control Equipment Outline

# of Instrument Ca	ases or Bur	ngalows =	1		# of Batter	ry Boxes =	0	
# of GCP Units =	0	Man	ufacturer =	0		Model # =	0	
# of PMD Units =	0	Man	ufacturer =	0	_	Model # =	0	
# of "C" Inverters =	1	Man	ufacturer =	0		Model # =	TD4	
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	470	Track 2	0	Track 3	0	Track 4	0
Island Length.	Track 1	157	Track 2	0	Track 3	0	Track 4	0
B12 Amp Hour = _	0	GB12 A	mp Hour =	250	MSB12 A	mp Hour = _	340	

The above described location was observed to operate as designed in accordance with FRA standards and regulations. (Except those defects noted on FRA Report 3)

Name	Shawn A. Zurfley
Title	PUCO/FRA Inspector
Date	January 7, 2021

Railroad = Akron Barberton Cluster			Line =				
Location =	Mai	in Street V	Vadsworth	AAR# =	265076N	M.P. =	215.57
City =	Wa	adsworth	State = _	Ohio	County =	Med	dina
Constructi	ion Star	t Date = _	6/29/2020				
			Visible Warning	Devices	<u>Detail</u>		
SE Quad	<u>d</u>						
# Flasher I	Mast _		# Gate Mast	1	# Cantilever _		•
# Crossb	oucks_	1	Gate Arm Length	18	Cantilever Length _		
# 2-Way Li	ights _	1	# 1-Way lights		# Bells _		
2-Way Lights	Size_	12	1-Way Lights Size		^Ł Multiple Track Signs		·
NW Quad	<u>d</u>						
# Flasher I	Mast		# Gate Mast		# Cantilever _		
# Crossb	oucks_	1	Gate Arm Length	17	Cantilever Length_		
# 2-Way Li	ights	1	# 1-Way lights		# Bells _	1	
2-Way Lights	Size _	12	1-Way Lights Size		^Ł Multiple Track Signs		
Quad	<u>d</u>						
# Flasher I	Mast		# Gate Mast		# Cantilever		
# Crossb	oucks_		Gate Arm Length		Cantilever Length_		
# 2-Way Li	ights		# 1-Way lights		# Bells		
2-Way Lights	Size_		1-Way Lights Size		^Ł Multiple Track Signs		•
Quad	<u>d</u>						
# Flasher I	Mast		# Gate Mast		# Cantilever		
# Crossb	oucks_		Gate Arm Length		Cantilever Length_		
# 2-Way Li	ights		# 1-Way lights		# Bells		
2-Way Lights	Size		1-Way Lights Size		^t Multiple Track Signs		

Railroad =	Akron Barberton Cluster Main Street Wadsworth					Line =			
Location =					AAR# =	2650			215.57
City =	W	/adsworth		State =	Ohio	<u>-</u>	County =	Med	lina
Cons	truction Sta	rt Date = _	6/29	/2020					
			<u>Undergi</u>	round Cable	& Condu	uit Detail			
Footage of	f 5c/#6 to:	Signal 1	150	Signal 2	85	Signal 3		Signal 4	
Footage of	7c/#14 to:	Signal 1	150	Signal 2	85	Signal 3		Signal 4	
Footage of	f 2c/#6 to:	Track 1_	480	Track 2		Track 3		Track 4	
Footage of	7c/#14 to:L	ocation 1		Location 2		Location 3		Location 4	
Footage of	f 3c/#9 to:	Power 1_	40	Power 2		Power 3		Power 4	
4" C	Conduit unde	er Road = _	70	Unde	r tracks =	20	Und	ler Other =	
			Co	ontrol Equip	ment Det	<u>tail</u>			
# of In	strument Ca	ases or Bun	galows =	1		# of Batte	ry Boxes.		
# of G0	CP Units = _		Man	ufacturer = _		<u>-</u>	Model # =		
# of PN	1D Units = _		Man	ufacturer = _			Model # =		
# of "C" I	nverters = _	1	Man	ufacturer = _			Model # =	TD4	
GCP Fre	quency.	Unit 1		Unit 2		Unit 3		Unit 4	
PMD Fre	quency.	Unit 1		Unit 2		Unit 3		Unit 4	
Approach	Length.	Track 1	470	Track 2		Track 3		Track 4	
Island L	ength.	Track 1_	158	Track 2		Track 3		Track 4	
B12 Ar	mp Hour = _		XB12 A	.mp Hour = _	250	MSB12 Ar	mp Hour =	340	

Highway Grade Crossing Warning System Installation Cut Over Test

Railroad =	Akron Barbei	ton Cluster		Line =	0	
Location =	Main Street \	Wadsworth	AAR# = _	265076N	M.P. =	215.57
City =	Wadsworth	State =	Ohio	County =	Med	ina
	Cut Over Test Date = _	7/14/2020				
		<u>Attende</u>	nce Info			
PUCO 1	SHAWN ZURFL	.EY	Railroad 1 _	KEVIN PATO	ONI	
PUCO 2			Railroad 2 _			
PUCO 3						
		Inspection &				
Locks?	YES	Plans in case an	d correct?_	YES		
Ir	isulation Resistance Te	st made? YES		Relay Test Made?	YES	
В	12 Volts =	ХВ	12 Volts = _	12.08 MSE	12 Volts = _	13.32
Grounds T	est made? YES	Case	and Bases	Tagged? YES	_	
Lamp	Volts AC = 10.74	Lamp \	/olts DC = _	11.03		
Lights	Focused? YES	Fla	ısh Rate = _	52 FPM @ Li	ght	
Gate A	.rm and lights proper?	YES	Gate Arm	n Movement proper?	YES	
Bells	s Operate? YES	Traffic	Pre-emption	n operates properly?	NA	
MS / GC	P Island Shunt with no	time out?		AC/DC Island	d Shunted?	YES
MS / GC	P Approach Shunt with	time out?		AC/DC Approacl	n Shunted?	YES
Tes	sted under train moves	this date? YES	٧	Varning Time observ	ed or set =	32
					_	

Highway Grade Crossing Warning System Installation Outline

Railroad =	Akron Barberton Cluster			Line = _		0		
Location =	Location = Main Street Wadsworth			26507	265076N		215.57	
City =	Wadsworth	State =	Ohio	_	County =		Medina	
Cons	struction Start Date =	6/29/2020		Cut Over Te	est Date =_	7/13/	2020	
		Visible Warning	Devices C	<u>Dutline</u>				
	ate masts. 1		ver Masts.		# Flash	er Masts.	0	
•	rossbucks. 2	# 1 - Way L Multiple Tra	•			# Bells.	1	
	<u>U</u>	nderground Cable	& Condu	it Outline				
480 40	Ft. 5c/#6 Gate/Flasher C Ft. 2c/#6 Track Cable. Ft. 3c/#9 Power Cable. Ft. 4" Conduit.			Control/Flas Express Ca				

Control Equipment Outline

# of Instrument Ca	ases or Bur	ngalows =	1		# of Batter	ry Boxes =	0	
# of GCP Units =	0	Man	ufacturer =	0	Model # =		0	
# of PMD Units =	0	Man	ufacturer =	0	 Model # =		0	
# of "C" Inverters =	1	Manufacturer =		0	Model # =		TD4	
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	470	Track 2	0	Track 3	0	Track 4	0
Island Length.	Track 1	158	Track 2	0	Track 3	0	Track 4	0
B12 Amp Hour = _	0	GB12 A	.mp Hour = _	250	MSB12 A	mp Hour = _	340	

The above described location was observed to operate as designed in accordance with FRA standards and regulations. (Except those defects noted on FRA Report 3)

Name Shawn A. Zurfley

Title PUCO/FRA Inspector
Date January 7, 2021

This foregoing document was electronically filed with the Public Utilities Commission of Ohio Docketing Information System on

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in

Case No(s). 19-0423-RR-STP

Summary: Memorandum Memo regarding completion of the project for Upgrades at Akron Barberton Cluster Railway Crossings in Medina and Portage County, Ohio, filed by Tom Persinger, Rail Project Specialist. electronically filed by Mr. Thomas Persinger on behalf of PUCO/Rail Division.