

Memo

To: Docketing Division
From: Jill Henry, Rail Specialist, Rail Division
Cc: PUCO Legal Department
Date: 6/26/17

Re: PUCO Case No. 17-1509-RR-FED- In the Matter of a Request for the Installation of Active Warning Devices at the Akron Barberton Cluster Railway Grade Crossing on Seville Road (DOT#265-074A) in Medina County, Wadsworth, Ohio.

On February 10, 2017, the Ohio Rail Development Commission (ORDC) authorized funding for Akron Barberton Cluster Railway to install active warning devices at Seville Road DOT#265-074A, in Medina County, Ohio. The crossing was surveyed on October 14, 2016 and found to warrant the upgrades. The electric utility provider for this crossing is Ohio Edison-First Energy Corp.

The project will be paid for with federal funds and is actual cost. The plans and estimates for the project in the amount of \$222,125.64 have been approved. Construction may commence at once. **Staff requests a Finding & Order with completion of the project in nine months.** Staff requests that the following language be incorporated in the Finding & Order:

It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

- Any ancillary work to make the warning devices function as designed and visible to the roadway user, and
- MUTCD compliance, including minor roadway work if necessary.

Please serve the following parties of record:

ABC Railway
Andrew Shuster
Signals & Communications Supervisor
43 Second Street NW
Barberton, Ohio 44203

Ohio Rail Development Commission
Cathy Stout
Safety Manager
1980 West Broad Street
Mail Stop #3140
Columbus, Ohio 43223

City of Wadsworth
Matt Hiscock
Director of Public Safety
120 Maple Street
Wadsworth, Ohio 44281

City of Wadsworth
Larry Jenkins
Engineering Services Supervisor
120 Maple Street
Wadsworth, Ohio 44281

Ohio Edison-First Energy Corp.

INTER-OFFICE COMMUNICATION

TO: Randall Schumacher, Supervisor, Rail Division, PUCO
FROM: Cathy Stout, Manager, Safety Section, ORDC
BY: Eric Neff, Safety Manager, Safety Section, ORDC
SUBJECT: Medina County Seville Road DOT 265074A (ABC) PID 104307
DATE: June 22, 2017

The Ohio Rail Development Commission (ORDC) established a diagnostic survey at the subject location on October 11, 2016. The Public Utilities Commission of Ohio (PUCO) attended the review. The Diagnostic Team recommended the improvement of warning devices to flashing lights and roadway gates. Copies of the diagnostic review form and the plan and estimate are attached.

PE has already been provided by the railroad. ORDC accepts the site plans and estimates as provided. Please issue a construction-only order for the project outlined above. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

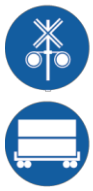
It is expected that all work necessary for FHWA acceptance of the warning devices will be completed by the in-service due date and that the railroad will be responsible for this work. This work includes, but is not limited to:

- any ancillary work to make warning devices function as designed and visible to the roadway user, and
- MUTCD compliance – including minor roadway work if necessary.

Thank you for your assistance with these matters.

Attachment: Diagnostic Review
Plan & Estimate

c: Jill Henry, Rail Division Specialist, PUCO
ORDC Project Manager (file)



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223
John R. Kasich, Governor • Mark Policinski, ORDC Chairman

June 22, 2017

Mr. Herb Shanklin
General Manager
Akron Barberton Cluster Railway
43 Second Street, N.W.
Barberton, Ohio 44203

RE: Medina County Seville Road DOT 265074A (ABC) PID 104307

The plan and estimate dated June 13, 2017 for the referenced project is acceptable. The Akron Barberton Cluster Railway may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. Construction may include but is not limited to circuitry design, installation of service poles, procurement of materials and signal construction. Please note ODOT Railroad Audit Circular No.4 Subcontracted Costs for Railroads and accordingly provide ORDC with any relevant bid documents and bid tabs pertaining to this project. This authorization is made with the stipulation and understanding that the approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit. Reimbursement of eligible actual cost is limited to \$222,125.64 and will be adjusted based on bid tabulations if applicable. Additional costs must be approved in writing by the Ohio Rail Development Commission (ORDC) prior to being incurred. Emergency verbal authorizations by ORDC may be permitted and will be confirmed by ORDC in writing within ten (10) business days of the verbal approval.

This authorization is contingent upon the Akron Barberton Cluster Railway accepting the following instructions:

1. The Akron Barberton Cluster Railway's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to Eric Neff, ORDC, email: eric.neff@dot.ohio.gov and to Jill Henry the Public Utilities Commission of Ohio at email: jill.henry@puco.ohio.gov. NS's project foreman will also notify the same of any stops and re-starts of the work activity and of the date work was completed for the project.
2. The Akron Barberton Cluster Railway's will arrange for utilities to be located at the project site by the Ohio Utilities Protection Service (OUPS) prior to any construction activities at the site. Utilities that are not participating members of the service must be contacted directly by the Akron Barberton Cluster Railway.
3. The Akron Barberton Cluster Railway's project foremen will notify notify Eric Neff at 614-745-6760 (telephone) or eric.neff@dot.ohio.gov (email) of any changes in the scope



www.rail.ohio.gov

phone: 614.644.0306

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of work, cost overruns, material changes, etc. which are not included in the approved plan and estimate and secure approval of same before the work is performed.

4. Open cut of roadways is not permitted except in unusual circumstances and must be coordinated with the local highway authority and preapproved by ORDC.
5. The Akron Barberton Cluster Railway will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed ODOT Purchase Order to reference when billing.
6. The Akron Barberton Cluster Railway will furnish two (2) copies of the final all-inclusive bill to ORDC stating the exact dates of starting and completing work, the initial and final dates of construction and location where the accounts may be audited.
7. This installation will include any ancillary work to make the warning devices function as designed and meet MUTCD.

Thank you for your assistance with these matters.

Sincerely,

[Eric Neff](#)

Eric Neff
Project Manager

C: Randall Schumacher, Rail Division Supervisor, PUCO
Jill Henry, Rail Division Specialist, PUCO
Susan Arduini, ORDC
ORDC (file)

AKRON BARBERTON CLUSTER RAILWAY COMPANY

Andrew Shuster
Signal & Communication Supervisor

43 Second Street N.W.
Barberton, OH 44203

Tel. 330-813-6133

ashuster@abcrwy.com

Fax: 330-745-4519

2 May 2017

Ohio Rail Development Commission
Mr. Eric Neff

Re: Estimate for Railroad Crossing Warning System at Seville Rd.,

Dear Mr. Neff,

I am providing this estimate for the crossing package and installation at Seville Rd.,

CTC Managed Services, Material Package, & Installation	\$ 154,367.19
Crosier Inc.	\$ 25,570.45
Two Gate Foundations (note 1)	\$ 1,196.00
Electric Service	\$ 4,350.00
<u>Wintrow Railroad Construction (Provide and Install Allegheny Joints)</u>	<u>\$ 36,642.00</u>
Estimated Total	\$ 222,125.64

Please contact me if additional details are required.

Respectfully,

Andrew Shuster

Notes

1: Direct purchase from Fabricated Metals, 60' galvanized gate foundation, \$598 ea.

- [illegible]

<h1>ABC Railway</h1>		<h2>KRON BARBERTON CLUSTER RAILWAY</h2>	
LOCATION SEVILLE ROAD CR 18 WADSWORTH, OHIO		TITLE CONSTRUCTION NOTES	
TRIP/DTE DATE 1/21/2017	CTD 300	WADSWORTH-GERMAN 216.28	CH17050
CTD 004	265 074A	N.I.S.	01A or 20



CROSSING SIGNAL ALIGNMENT

LEGEND

Ⓐ	GATE #1 FRONT MAST LIGHTS
Ⓑ	GATE #1 BACK MAST LIGHTS
Ⓒ	GATE #2 FRONT MAST LIGHTS
Ⓓ	GATE #2 BACK MAST LIGHTS

ALIGNMENT

FRONT LIGHTS
ADJUST LIGHT UNIT VERTICALLY TO ALIGN AXIS OF BEAM 5 FT., 6 IN. ABOVE PAVEMENT AT SELECTED ALIGNMENT DISTANCE. BOTH LAMPS SHOULD BE ALIGNED TO SAME POINT.

ADJUST LIGHT UNIT HORIZONTALLY TO ALIGN AXIS OF BEAM TO CENTER OF APPROACH LINE IN APPROACH TO SIGNAL AT SELECTED ALIGNMENT DISTANCE, MAINTAINING VERTICAL ALIGNMENT. BOTH LAMPS SHOULD BE ALIGNED TO SAME POINT.

BACK LIGHTS
ADJUST LIGHT UNIT VERTICALLY TO ALIGN AXIS OF BEAM 5 FT., 6 IN. ABOVE PAVEMENT AT A POINT 50 FT. IN APPROACH TO THE SIGNAL ON OPPOSITE SIDE OF TRACK.

ADJUST LIGHT UNIT HORIZONTALLY TO ALIGN AXIS OF BEAM TO A POINT 50 FT. IN APPROACH TO THE SIGNAL ON OPPOSITE SIDE OF TRACK AND IN CENTER OF APPROACH TRAVEL WAY.

ABC
Railway

KRON BARBERTON CLUSTER RAILWAY

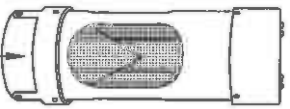
LOCATION	SEVILLE ROAD CR 18 WADSWORTH, OHIO
DATE	1/21/2017
PROJECT	CROSSING SIGNAL ALIGNMENT
DESIGNED BY	TRW/WADSWORTH-EDMUNDSON
CHECKED BY	CTC
DATE	2/16/20
PROJECT NO.	285 074A
SCALE	N.T.S.
SHEET	02 OF 20

REVISION
BLOCK

SITE LAYOUT NOTES

1.) CROSSING IS LOCATED: LATITUDE 41.0103161
LONGITUDE -81.7362750

ELECTRONIC CROSSING BELL
GSI MODEL EB-3-360-5



THIS SIDE FACING
ROADWAY

FOR REVIEW

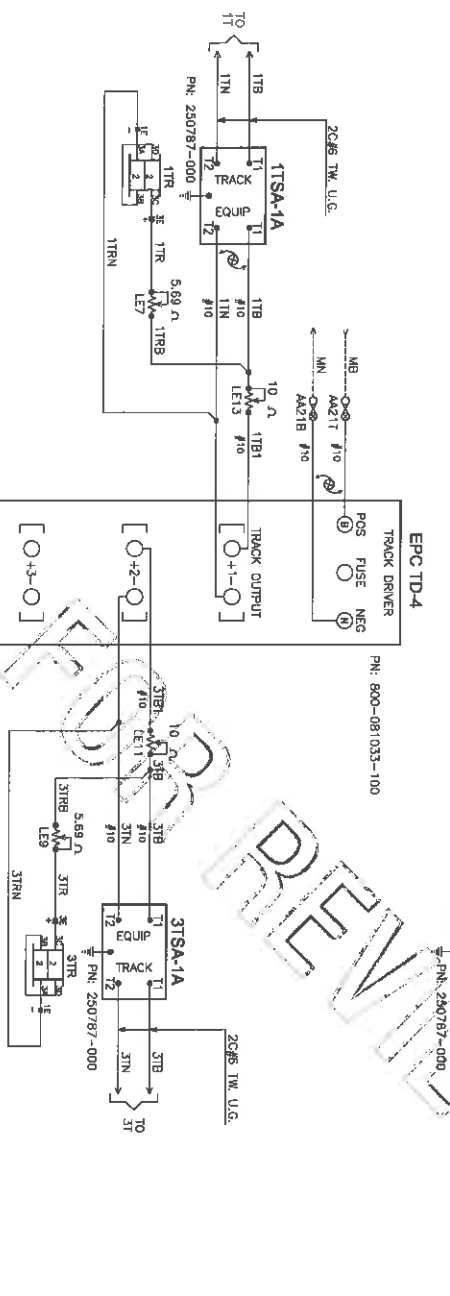


**AKRON BARBERTON CLUSTER
RAILWAY**

LOCATION		SEVILLE ROAD CR. 18 WADSWORTH, OHIO	
DESIGNED DATE	1/21/2017	FILE	
DESIGNED BY	CTC	SITE LAYOUT NOTES	
DESIGNED FOR	CTC	WADSWORTH-BIRMINGHAM	CH17050
DESIGNED BY	CTC	DATE	21.6.28
DESIGNED FOR	CTC	NO. NO.	285 0744
DESIGNED BY	CTC	SHEET	03 OF 20

REVISION
BLOCK

CHANGED FROM TYPICAL N

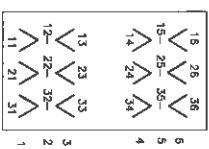


NOTE: ALL WIRING THIS SHEET #16 AWG
UNLESS NOTED OTHERWISE.

REVISION BLOCK	DESCRIPTION	SUBMITTER	DATE
	CYC	SHAWSONORTH-BITMAN	04/17/95
	0897-0000	CYC	216.28
	CYC	001 No. 265. 0744	N.T.S.
	0897-0000	CYC	001 No. 265. 0744

FOR REVIEW

1 2 3



▼ CONTACT, NOT USED
▼ CONTACT, USED

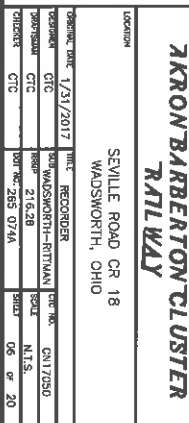


NOTES:
 * = FIELD ADJUSTMENT
 NA = NOT APPLICABLE

[illegible]

ZAKRON BARBERTON CLUSTER RAILWAY

LOCATION	SEVILLE ROAD CR 18 WADSWORTH, OHIO
ORIGINAL DATE	1/31/2017
DECKLETER	FILE
CYC	WADSWORTH-REITMAN
CYC	216.26
TRUCKER	001 NO. 265 074A
CYC	05 OF 20
FILE	0417050
FILE	N.T.S.



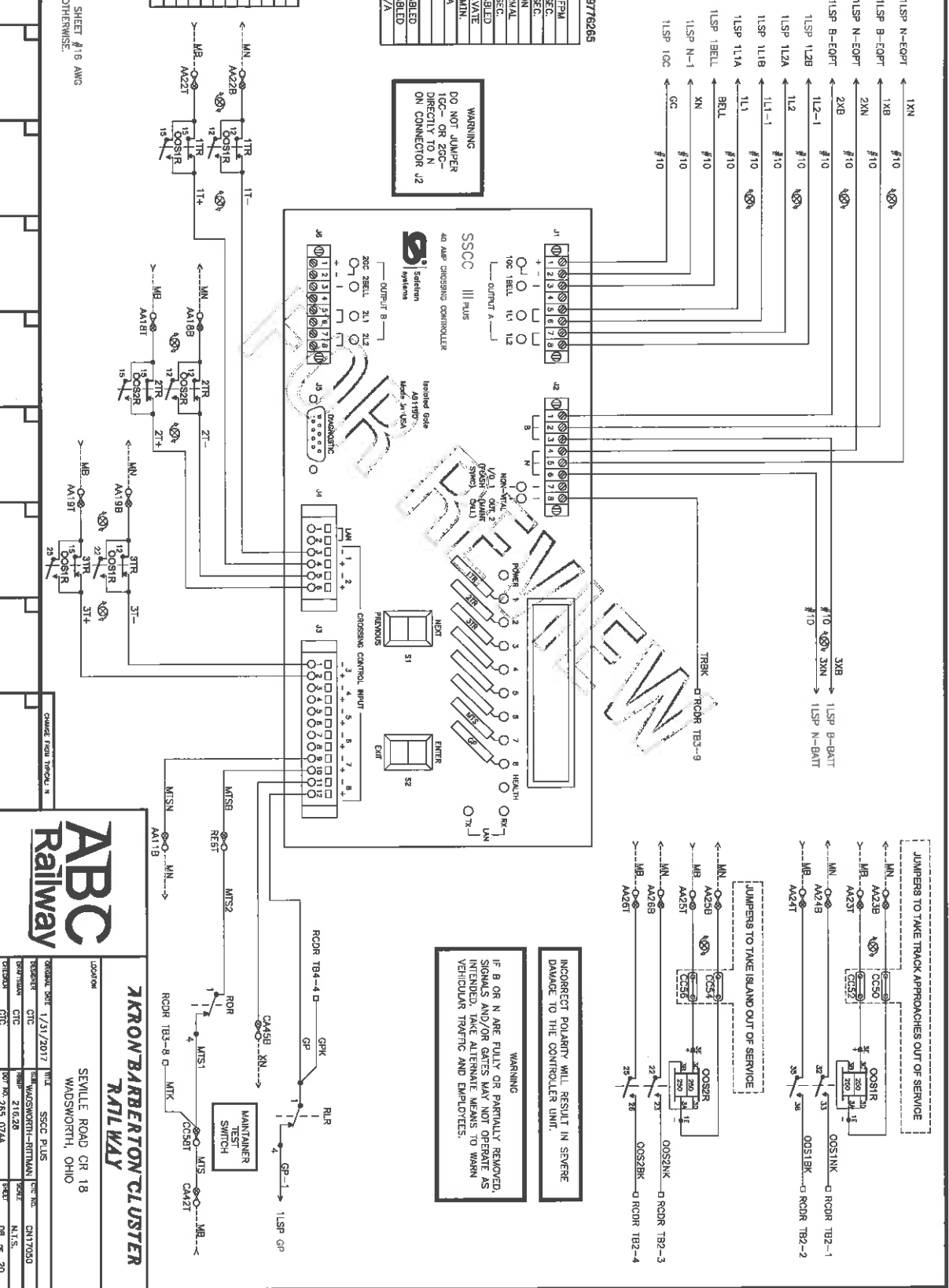


NOTE: ALL WIRING THIS SHEET #16 AWG
UNLESS NOTED OTHERWISE.

CONFIGURE	
INPUT 1 LOS	8
INPUT 2 LOS	8
INPUT 3 LOS	8
INPUT 4 LOS	0
INPUT 5 LOS	0
INPUT 6 LOS	0
INPUT 7 LOS	0
ATIS ADDRESS	700000000000
LOW BATTERY	DISABLED
AUX I/O	NV OUTPUT
DETECT LAMP NEUTRAL WIRE	NO

PROGRAM	
FLASHER RATE:	50 FPM
GATE DELAY 1 TIMER:	4 SEC.
GATE DELAY 2 TIMER:	4 SEC.
BELL-ON GATE RISING	ON
PRG 20C/17 MODE	NORMAL
MAIN ACTIVATION TIMER:	0 SEC.
ENABLE INPUTS 4,5,6,8	DISABLED
PRG TEST SWITCH	ACTIVATE
PRG STICK RELEASE	15 MIN.
PRG ENABLED OUTPUTS: A,B	A
TIME	
DATE	
DAYLIGHT SAVINGS	DISABLED
PASSWORD	DISABLED
SET TO DEFAULT	N/A

WARNING
DO NOT JUMPER
DIRECTLY TO N
ON CONNECTOR 42



WARNING
INCORRECT POLARITY WILL RESULT IN SEVERE
DAMAGE TO THE CONTROLLER UNIT.

WARNING
IF B OR N ARE FULLY OR PARTIALLY REMOVED,
SIGNALS AND/OR GATES MAY NOT OPERATE AS
INTENDED. TAKE ALTERNATE MEANS TO WARN
VEHICULAR TRAFFIC AND EMPLOYEES.

ABC
Railway

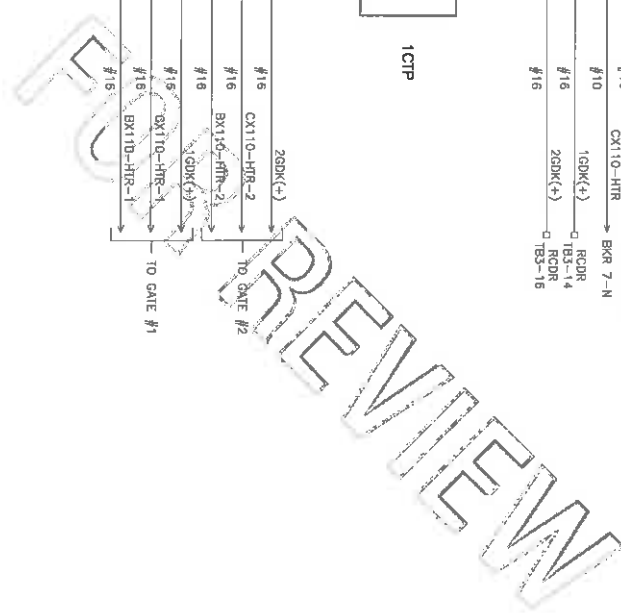
24KRONBARBERTON CLUSTER
RAILWAY

LOCATION
SEVILLE ROAD CR 18
WINDSWORTH, OHIO

ORIGINAL DATE 7/31/2017
DESIGNED BY CJC
CHECKED BY CJC

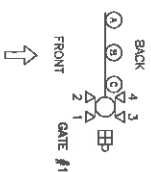
DATE 1/31/2017
DESIGNED BY CJC
CHECKED BY CJC

SSCC PLUS
WINDSWORTH-RTMAN
N.Y.S.
CH17030
N.Y.S.
08 OF 20



 - INSULATED NUT

[illegible]

GATE #1X-ARM
JUNCTION

NOTE:
• USE ATC 10 AMP FUSES ONLY

(M) IS LED SYMBOL ONLY. INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

REVISION
BLOCK

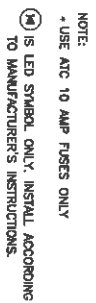
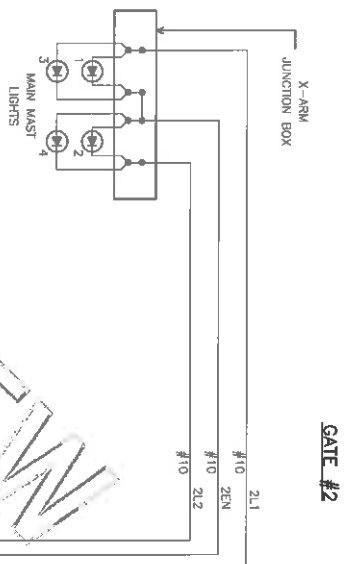
CHANGE FROM TYPICAL: Y

ABC Railway

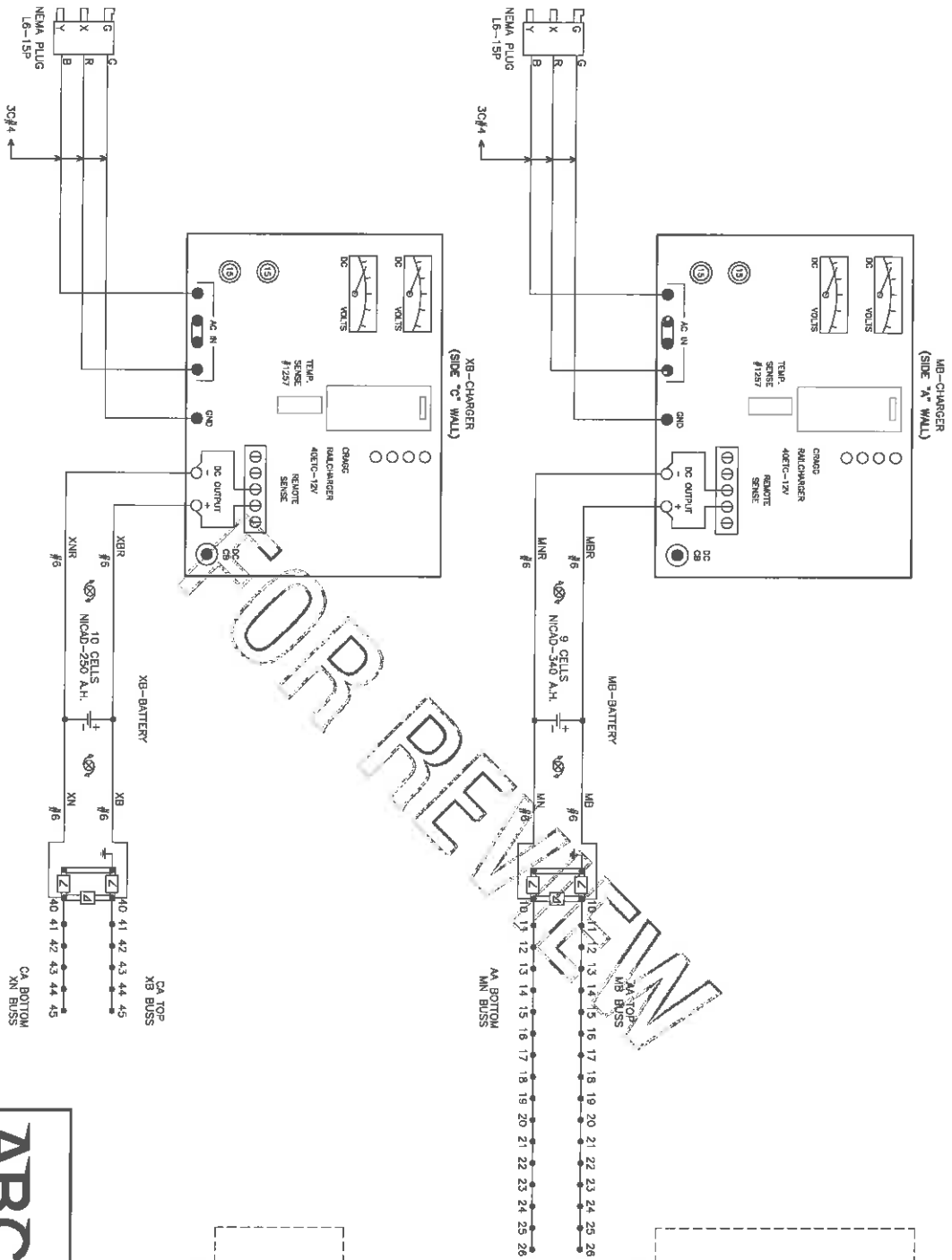
ZKRON BARBERTON CLUSTER RAILWAY

SEVILLE ROAD CR 18
WADSWORTH, OHIO

ORIGINAL DATE	1/31/2017	TITLE	GALE #1 LIGHTS (NEAR SIDE)
DESIGNER	CTC	BLK	WADSWORTH-RITTMAN
BOOK NUMBER	CTC	REAR	216.28
CHECKER	CTC	DOY NO.	285 074A
		SCALE	N.T.S.
		SHEET	12 OF 20



AKRON BARBERTON CLUSTER RAILWAY		SEVILLE ROAD CR 16 WADSWORTH, OHIO		LOCATION
TRUCK DATE 7/31/2017	TRUCK GATE #2 (GATE 3&4 SHUT)			
DEPART CFC	BARBERTON-SEVILLE	ARRIVE CFC	CA17050	
DEPART CFC	RAIL	ARRIVE CFC	N/A	
DEPART CFC	DOE 07:44	ARRIVE CFC	14:05 20	



BATTERY BUSS DETAILS

0052R-25	26	0052R-22
0052R-24	25	0052R-21
0052R-23	24	0052R-20
0052R-22	23	0052R-21
0052R-21	22	0052R-20
0052R-20	21	0052R-19
0052R-19	20	0052R-18
0052R-18	19	0052R-17
0052R-17	18	0052R-16
0052R-16	17	0052R-15
0052R-15	16	0052R-14
0052R-14	15	0052R-13
0052R-13	14	0052R-12
0052R-12	13	0052R-11
0052R-11	12	0052R-10
0052R-10	11	0052R-09
0052R-09	10	0052R-08
0052R-08	09	0052R-07
0052R-07	08	0052R-06
0052R-06	07	0052R-05
0052R-05	06	0052R-04
0052R-04	05	0052R-03
0052R-03	04	0052R-02
0052R-02	03	0052R-01
0052R-01	02	0052R-00

BATTERY BUSS DETAILS

DOOR SWITCH	45	SSC J3-11
BOD INPUT 3	44	BOD INPUT 4
RCOR TB1-2	43	RCOR TB1-1
CCSGT	42	RCOR TB4-15
1LSP B-BATT	41	1LSP N-BATT
XB BATT+	40	XB BATT-



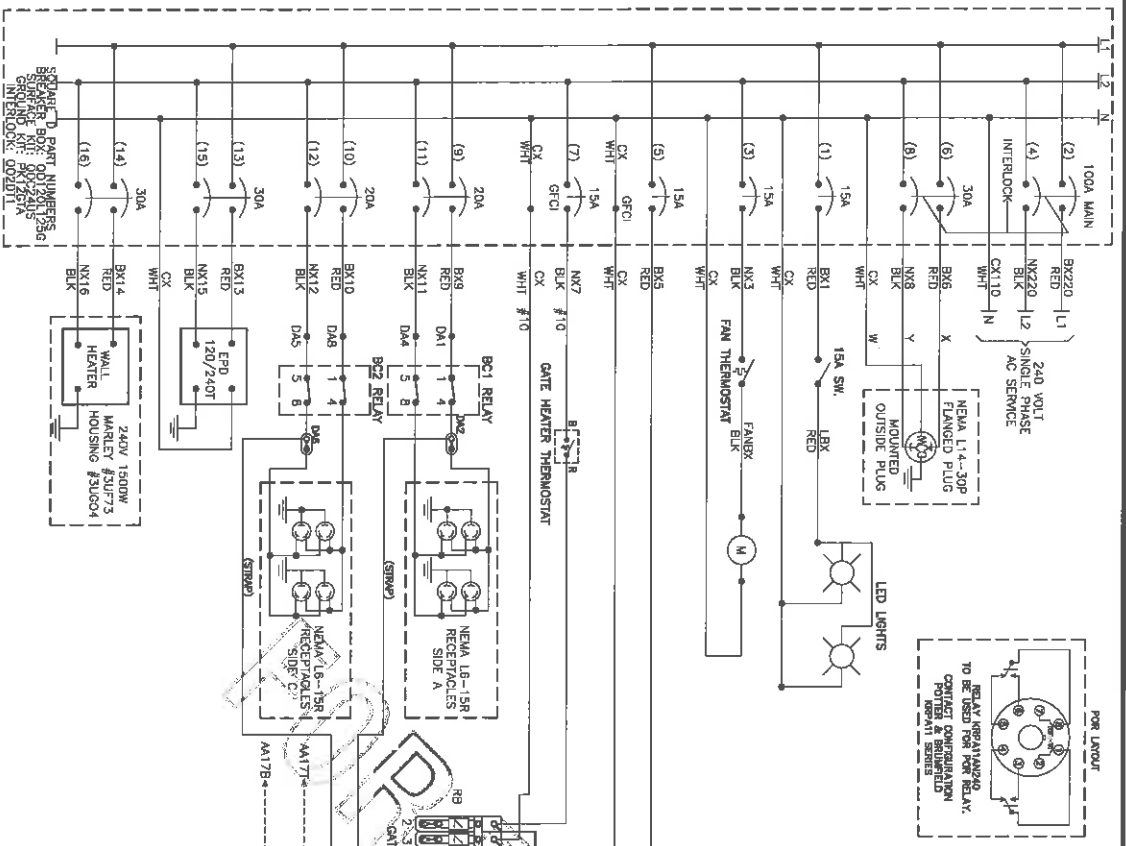
ZKRON BARBERTON CLUSTER RAILWAY

LOCATION: SEVILLE ROAD CR 18
WADSWORTH, OHIO

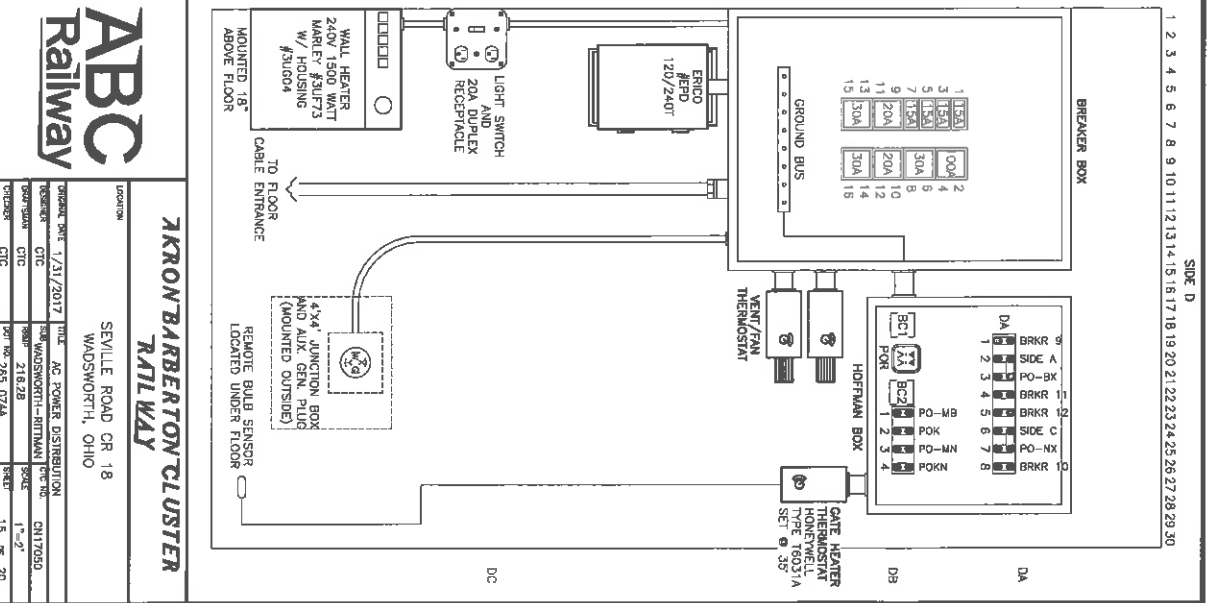
DATE: 1/23/2017
DRAWN BY: BATTERY CHARGER
CHECKED BY: CN7050
DATE: 2/16/20
SHEET: 15 OF 20

REVISION BLOCK

REVISION
BLOCK



NOTE:
-WHEN AC IS ON LED IS ON
-WHEN AC IS OFF LED FLUSHES
UNTIL BATTERY IS DISCHARGED.
-WHEN AC IS OFF AND BATTERY
IS DISCHARGED LED IS OFF.



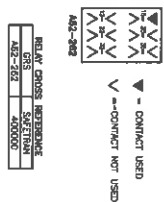
ABC
Railway

AKRON BARBERTON CLUSTER
RAILWAY

LOCATION:
SEVILLE ROAD CR 18
WADSWORTH, OHIO

DATE: 1/23/2017
BY: AC POWER DISTRIBUTION
CHECKED: CJC
DATE: 2/18/2017
BY: CJC
DATE: 2/28/2017
BY: CJC

PROJECT NO: 285-074A
SHEET: 15 OF 20

REVISION
BLOCK

CHANGE FROM TYPICAL: Y

ABC Railway

ZAKRON BARBERTON CLUSTER RAILWAY

OFFSHORE DATE	1/31/2017	WELL	RACK FRONT VIEW
---------------	-----------	------	-----------------

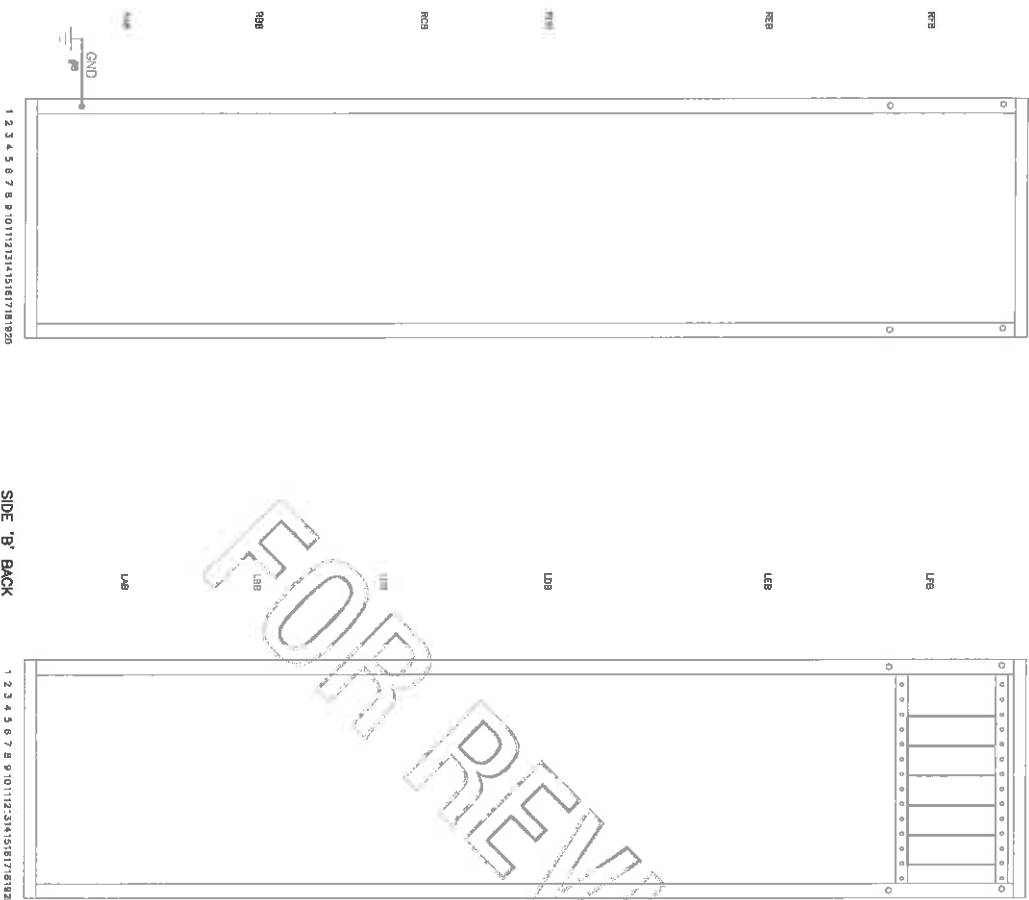
DISPOSABLE	CTC	SUB	WADSWORTH - RITTMAN
------------	-----	-----	---------------------

DRUG NAME	CTC	BRAND	216,28
CHG228	CTC	DOT NO.	265 074A

17 OF 20

BACK OF RIGHT SIDE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

BACK OF LEFT SIDE



SIDE 'B' BACK

REVISION
BLOCK

ABC Railway

**ZKRON BARBERTON CLUSTER
RAILWAY**

LOCATION

SEVILLE ROAD CR 18
WADSWORTH, OHIO

ORIGINAL DATE	1/31/2017	TITLE	RACK BACK VIEW
---------------	-----------	-------	----------------

DR. SHIMEN	CTC	SAM WADSWORTH-RITTMAN	CTC NO.	CN17050
DR. WATSON	CTC	POSS ² 216.28	SCALE	1"=2'
CHECKER	CTC	DOT NO. 265 074A	SHEET	18 OF 20

REVISION
BLOCK

CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

CL

CM

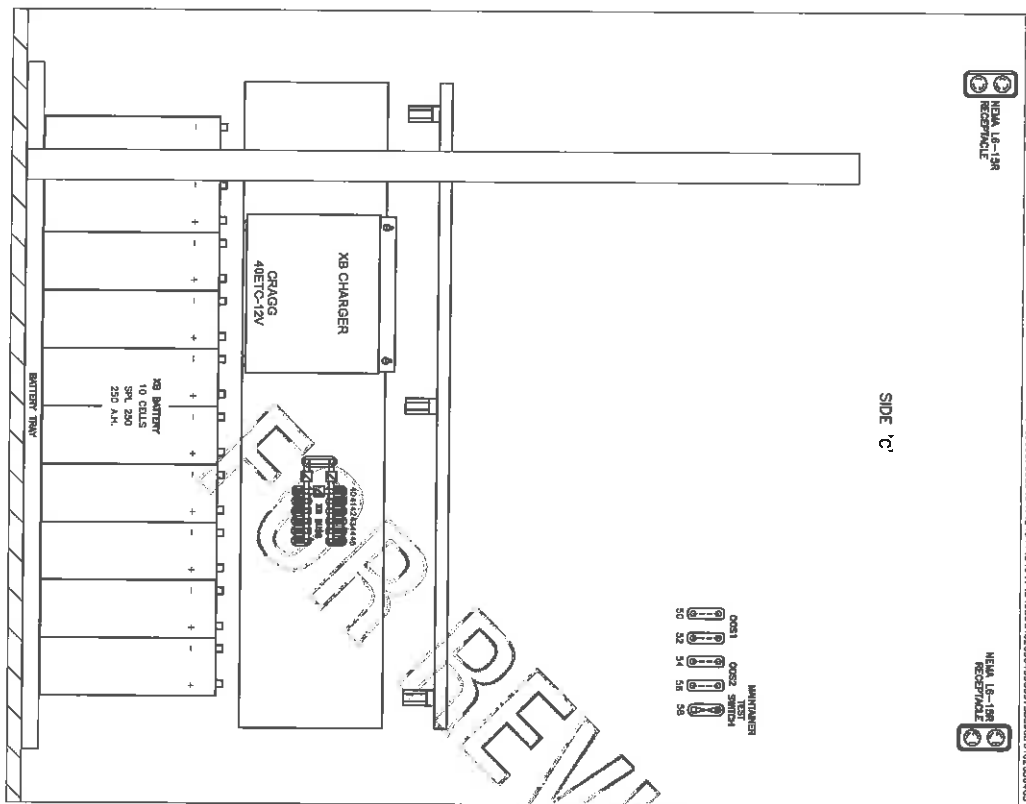
CN

CO

CP

CQ

CR



NOTE:
P.O.L. MOUNTED ON SIDE 'A'
RED CREW LIGHT MOUNTED
ON SIDE 'B' AND 'C'

ABC
Railway

AKRON BARBERTON CLUSTER
RAILWAY

LOCATION		SEVILLE ROAD CR 18		WADSWORTH, OHIO	
DESIGN DATE		1/31/2017		SIDE 'C'	
DESIGNER		CTC		WADSWORTH-ROTHMAN	
CHECKER		CTC		216.28	
PROJECT NO.		285 074A		SHEET	
				20 OF 20	



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223

John R. Kasich, Governor • Mark Policinski, ORDC Chairman

February 10, 2017

Mr. Herb Shanklin
General Manager
Akron Barberton Cluster Railway
43 Second Street, N.W.
Barberton, Ohio 44203

RE: Medina County Seville Road
DOT 265074A (ABC) PID 104307

Dear Mr. Shanklin:

A diagnostic review was held at the above grade crossing on October 11, 2016. The crossing has been recommended for the installation of lights and gates.

The Akron Barberton Cluster Railway is authorized to proceed with the site plans and cost estimates (PE) for this project. This authorization is made with the stipulation and understanding that any field work needs prior approval before work begins. This authorization is made with the stipulation and understanding that an approved estimate may contain entries for items or activities that may be cited and found to be ineligible for federal participation during the project audit.

The ORDC is not requesting that the PUCO issue an Order at this time. When the ORDC receives the PE it will be evaluated and a construction-only Order will be requested from PUCO. Please submit the PE to ORDC within 90 days of receipt of this letter.

The diagnostic review form is attached. Please note any recommendations (page 5), if any, made by the team with regard to requirements for this location. Any minor roadway work necessary for MUTCD compliance should be incorporated into the PE and such costs will flow through the railroad reimbursement process

I am the Project Manager for this project. I can be reached at (614) 752.0399, or Eric.Neff@dot.ohio.gov, if you have any questions.

Sincerely,
Eric T. Neff
Eric Neff
Project Manager

Att: Diagnostic Review Form

C: Jill Henry, PUCO, Grade Crossing Planner
ORDC (file)



www.rail.ohio.gov

phone: 614.644.0306

IMPROVING RAIL TODAY FOR TOMORROW'S ECONOMY



**Public Utilities
Commission**

Asim Z. Haque, Chairman

Commissioners

Lynn Slaby
M. Beth Trombold
Thomas W. Johnson
Vacant

January 24, 2017

Akron Barberton Cluster Railway
Mr. Herb Shanklin
43 Second Street
Barberton, Ohio 44203

Re: 1) Medina County, Seville Road,
DOT#265-074A, hereinafter
referred to as the "Project"

Dear Mr. Shanklin :

The Public Utilities Commission of Ohio (PUCO) has identified and the Ohio Rail Development Commission (ORDC) surveyed, on October 14, 2016, the above mentioned grade crossing for warning device upgrades. The location has been approved for flashing lights and roadway gates.

The Project shall comply with Agreement No. 2693, dated March 12 1974, entered into by the State of Ohio and Akron Barberton Cluster Railway (ABC). Furthermore, the RAILROAD shall comply with all applicable state and federal laws governing grade crossing safety programs.

Reimbursable costs will be limited by ORDC based upon approved estimates and bid tabulations, if applicable. These limits will be quantified by the ORDC in its construction authorization to the RAILROAD and may be amended by the ORDC based upon revised estimates and bid tabulations. Additional costs must be approved in writing by the ORDC prior to being incurred. Emergency verbal authorizations by ORDC may be permitted but must be confirmed in writing within ten (10) business days of the verbal approval.

The RAILROAD shall complete plans and estimates for the Project within ninety (90) days after the RAILROAD is notified of authorization to proceed unless otherwise agreed by ORDC/PUCO and the RAILROAD.

The RAILROAD shall not commence construction prior to PUCO's Order or ORDC's construction authorization. The RAILROAD shall provide written notification of the construction start date to PUCO and ORDC no later than five (5) business days prior to such date.

Please indicate your acceptance of the terms and conditions of this Letter of Agreement by signing and returning one (1) copy to Ms. Jill Henry, Rail Specialist, Rail Division, Public Utilities Commission of Ohio, 180 E. Broad Street, Columbus, Ohio 43215-3793.

Sincerely,



Milan Orbovich
Director of Transportation
Public Utilities Commission of Ohio

Date 1/31/17

Akron Barberton Cluster Railway

By _____

Title _____

Date _____

Matthew Dietrich
Executive Director
Ohio Rail Development Commission

Date _____



Diagnostic Review Team Survey

Reason for Survey:

(e.g. formula, accident, constituent, etc.)

Formula

Date: 10/11/2016

Location Data

Street or Road Name:

Seville Road

Route/Road Number

(i.e. Twp., Co., SR or US)

US DOT No.:

265074A

County:

MED

Township:

City:

(In or Near)

City of Wadsworth

Railroad
Name:

Akron Barberton Railway

Railroad
Division:

Branch/Line
Name:

Main

Nearest RR

Timetable Station:

Wadsworth

RR Milepost:

216.28

On-Site Review Team

(Include: Name – Organization – Phone Number – Email)

1. JAMES TUCKER ORDC 614-398-6897 James.tucker@dot.ohio.gov
2. JOE DUNN PUCO 440-213-5316 Joseph.Dunn@puc.state.oh.us
3. Herb Shanklin ABC Railway 330-697-0857 hshanklin@abcrwy.com
4. ANDREW SHUSTER ABC Signals 330-439-3884 ashuster@abcrwy.com
5. LARRY D. JENKINS JR. CITY OF WADSWORTH 330-335-2740 LJENKINS@WADSWORTH.CITY.OH.GOV
6. MAT HANCOCK CITY OF WADSWORTH 330-335-2709 MHANCOCK@WADSWORTH.CITY.OH.GOV
7. _____
8. _____
9. _____

Existing Traffic Control Devices

Type of Warning Devices	Installed?		Quantity/Comments
Advance Warning Signs (condition?)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2
'Stop' Signs	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
'Stop Ahead' Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Pavement Markings (condition?)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2
Crossbucks	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Number of Tracks Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Inventory Tags	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	2
Interconnected Highway Traffic Signal	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Mast-Mounted Flashing Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Cantilever Flashing Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number: Length:
Side Lights	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Automatic Gates	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number: Length:
Bells	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Number:
Sidewalk Gate Arms	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
'No Turn' Signs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Illumination	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Is crossing flagged by train crew?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Other	<input type="checkbox"/> Yes	<input type="checkbox"/> No	

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0 (1984, 1982, 1981, 1979)	
Hazard Ranking	1762 Date Run: 9/30/16	3342 10/22/16

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	3	2 mon - wed - fri
< 1 per day		
Day thru trains	2	
Night thru trains		
Daytime switching movements	1	
Nighttime switching movements		
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks		
Maximum train speed	25	10
Typical train speed	25	10
Amtrak		

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table I) ☐ Yes ☒ No

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☒ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☐ No

Can one or more tracks be eliminated through the crossing? ☐ Yes ☐ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☒ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: City of Wadsworth

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	1762 (2010)	2009 (2016)
Highway paved	X Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Roadway Surface: <input checked="" type="checkbox"/> Blacktop <input type="checkbox"/> Gravel <input type="checkbox"/> Concrete <input type="checkbox"/> Other _____		
Roadway width: 20 ft.		
Number of highway lanes	2	
Urban or Rural	Urban	
Vehicle Speed: _____ MPH	45	
School Bus Operation: <input type="checkbox"/> No X Yes 7 Amount 4		
Hazardous Materials Trucks: <input type="checkbox"/> No X Yes .04 Amount		
Shoulders: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
Is the shoulder surfaced? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
Is there existing guardrail along roadway in crossing vicinity? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
Is stopping site distance adequate? (See Table 2) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, deficient approach(es) _____		

Quadrant _____ Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None	Quadrant _____ Curb and Gutter: <input type="checkbox"/> Functional (Curb height = 4" or more) <input type="checkbox"/> Non-functional (Curb height = Less than 4") <input checked="" type="checkbox"/> None
---	---

Pedestrians: ☒ No ☐ Yes

Is sidewalk present? ☒ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☒ No ☐ Yes

If yes,
Distance _____

Is this intersection signalized? ☒ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☒ No ☐ Yes

Is there a 'Do not Stop on Track' sign? ☒ No ☐ Yes

Is a roadway improvement project (e.g. widening, turn lanes, nearby new or upgraded traffic signal, sidewalk) planned at or near this location in the foreseeable future? ☐ No ☒ Yes

If yes,
Improvement type Industrial expansion Lead Agency Developer ? Timeline/completion - ? 1-2 years

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☒ No ☐ Yes

Explain reasons:

Type of Development

<input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Institutional <input type="checkbox"/> Commercial	Location of nearby schools: <u>Franklin School 1 mile East</u>
--	---	---

Utility Information

Is commercial power available? ☐ No ☒ Yes

Utility Provider (Company Name) City of Wadsworth Phone Number _____

Nearest Available Power Source _____

What other utilities are present? (add locations to sketch)

<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Cable	<input checked="" type="checkbox"/> Telephone	<input type="checkbox"/> Fiber Optic Cable
<input type="checkbox"/> Petroleum	<input checked="" type="checkbox"/> Water	<input checked="" type="checkbox"/> Sanitary Sewer	
<input type="checkbox"/> Other _____			

Is(are) there potential utility conflict(s) ☐ Yes ☐ No ☒ Unknown

Comments:

Potential Red Flags / Project Challenges

Traffic Signal Preemption (include traffic signal intersection name and LHA with jurisdiction over traffic signal, if known):

N/A

Crossing Consolidation or Closure:

N/A

Real Estate or ROW:

N/A

Culverts / Drainage / Ballast Conditions:

N/A

Roadway and/or Sidewalks:

N/A

Circuitry (e.g. reaches out to other crossings, specific needs, etc.):

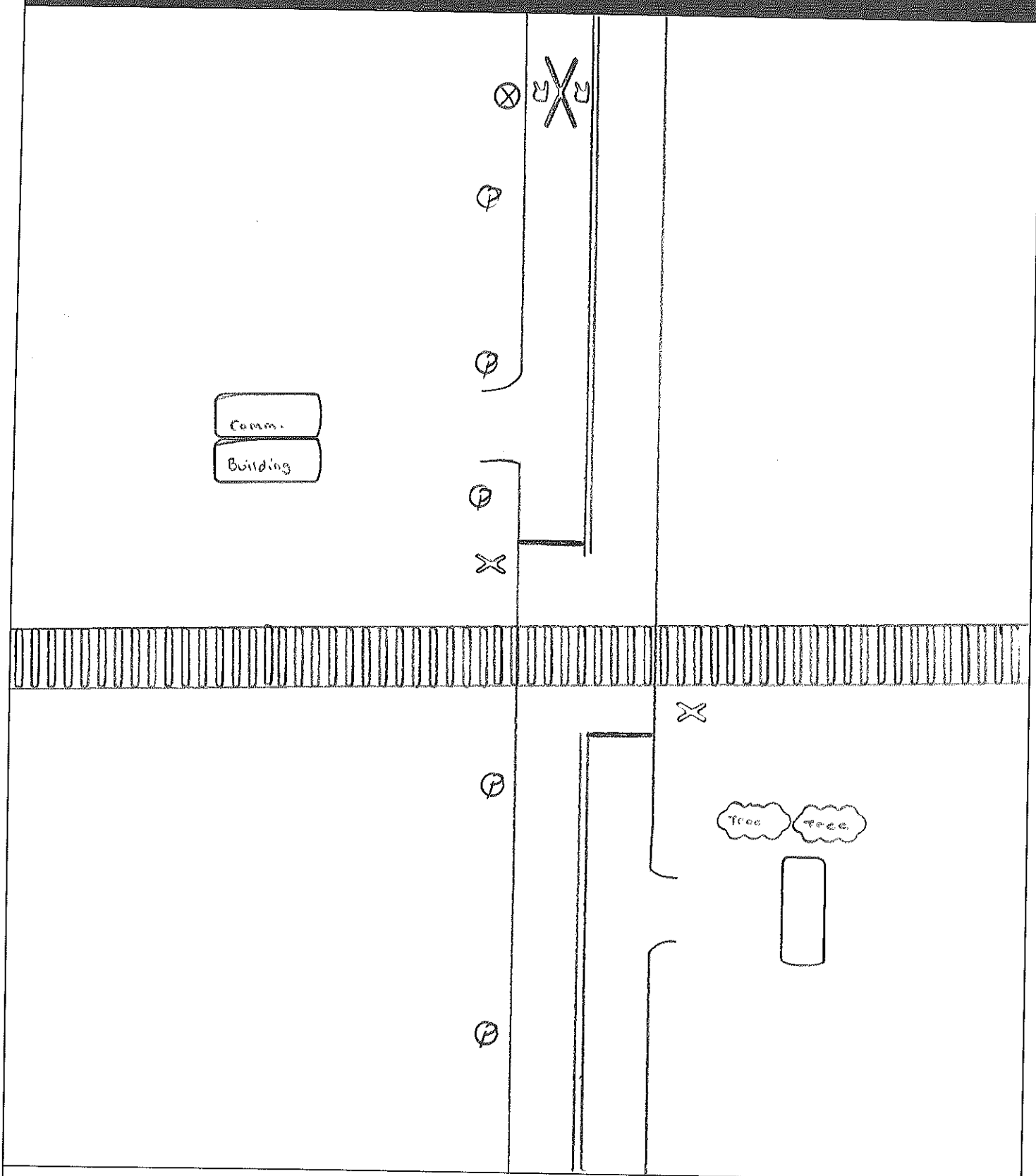
N/A

Environmental:

N/A

Other:

Field Sketch



Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured in _____ Quadrant?

Sketch by: J.T.

Diagnostic Team Recommendations

Quadrants Needed

- ☒ Install/upgrade active devices
- ☐ Automatic Flashing Lights (AFLS)
- ☐ AFLS / Cants
- ☒ AFLS / Gates
- ☒ AFLS / Gates / Cants
- ☒ Bells / number
- ☐ Upgrade circuitry / type
- ☐ Sidelights
- ☐ Guardrail Needed
- ☐ Install/Replace curb
- ☒ Bungalow placement & offset from rail & highway
- ☐ Other (define)

SW Quad CANT Location
1 Bell

NW Quad.

Comments:

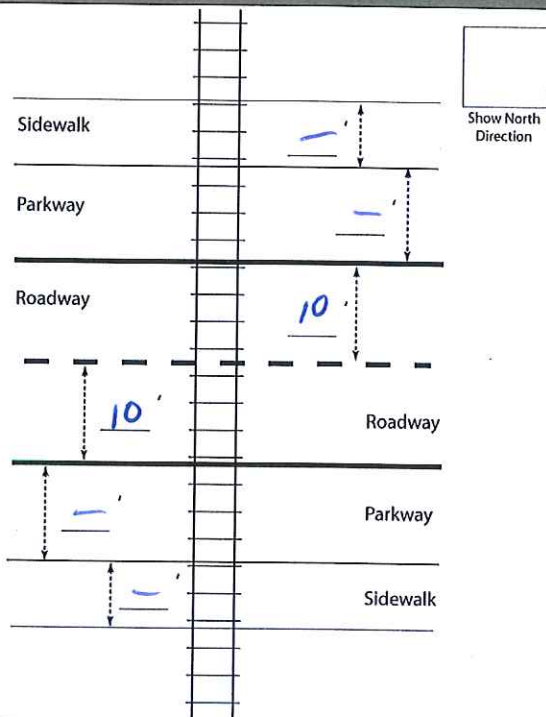
2/10/17 per emails dated 2/7/17 & 2/8/17 (in file) Cants are not need for project.

- ☐ Install/upgrade traffic signal preemption
- ☐ No improvements needed
- ☐ Other (define)

Acknowledgement of Recommendations (each entity represented at the diagnostic must have at least one signature acknowledgement):

[Signatures]

Field Dimensions



County: MED

Route: Seville Rd.

DOT#: 265074A

Surface type

- ☐ Rubber seal and asphalt
- ☐ Timber and asphalt
- ☒ Asphalt
- ☐ Composite
- ☐ Concrete panel
- ☐ Full-depth timber
- ☐ Full-depth rubber
- ☐ Other _____

Condition

- ☒ Good
- ☐ Fair
- ☐ Poor

Comments: _____

Is the surface good and sufficient?

Yes / No

Vehicle type (cars, trucks, etc.):

CARS + TRUCKS

Surface conditions:

Can vehicles cross at posted speed? NO Stop Signs on x Roads

Local observations/driver behaviors: Most Stop @ crossing

Relevant crash history: N/A

Do existing surface conditions have negative effects on the current or proposed warning devices?

Explain: N/A

Comments:

Form completed by: J. [Signature]

Date: 10-11-16

TABLE 1

Clearing Sight Distances

Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)
1 - 10	240
15	360
20	480
25	600
30	720
35	840
40	960
45	1080
50	1200
55	1320
60	1440
65	1560
70	1680
75	1800
80	1920
85	2040
90	2160

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers and level single track 90 degree crossings; and may need to be adjusted for multiple tracks, skewed crossings or approaches on grades.

Clearing Sight Distance is to be measured in each vehicle travel direction at non-gated crossings as viewed from a point 25 feet from centerline of nearest track in the center of whichever travel lane is nearest the direction along track being measured.

Table 2

Stopping Sight Distances

Highway Vehicle Speed	Distance (dH) Along Roadway from Crossing (ft)
0	n/a
5	50
10	70
15	105
20	135
25	180
30	225
35	280
40	340
45	410
50	490
55	570
60	660
65	760
70	865

Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

Notes:

All calculated distances are rounded up to the next higher 5-foot increment.

Distances indicated are for 65-ft double bottom semi-tractor trailers on dry level pavements.

Stopping Sight Distance is to be measured on each roadway approach to crossing from stop bar.

Neff, Eric

From: Stout, Catherine
Sent: Wednesday, February 08, 2017 7:28 AM
To: Neff, Eric
Subject: RE: ABC Railway Signals (Seville Road)

I agree with leaving out the cantilever.

From: Neff, Eric
Sent: Wednesday, February 08, 2017 6:15 AM
To: Stout, Catherine <Catherine.Stout@dot.ohio.gov>
Cc: Tucker, Jim <James.Tucker@dot.ohio.gov>
Subject: Fw: ABC Railway Signals (Seville Road)

Cathy,

It does not look as though the ABC or PUCO feel the cantilever is necessary for the Seville Road project we discussed Monday.

Unless you feel differently I'm will Authoirze P&E and make a note that cantilever is not necessary for the project.

What I know now - Eric

From: Andrew Shuster <ashuster@abcrwy.com>
Sent: Tuesday, February 07, 2017 11:51 AM
To: Neff, Eric
Subject: ABC Railway Signals (Seville Road)

Eric T. Neff,
Upon review of the Seville Road Crossing it was found that while approaching from the north and traveling south there is a visibility distance of 2100 feet. Upon initial inspection it was suggested that this approaches visibility be improved with the use of a cantilever. After several visits and surveys of the traffic patterns at this crossing, I feel that the visibility distance is adequate and a cantilever is an unnecessary additional expense to this crossing project. That said, I request that it be removed from the consideration of the overall project. Thank you for your time and consideration of this request, I look forward to working with you on this and other projects in the future.

Andrew R. Shuster (330) 813-6133
Signals and Communications Supervisor
Akron Barberton Cluster Railway Company

Neff, Eric

From: Dunn, Joseph
Sent: Wednesday, February 08, 2017 11:06 AM
To: Neff, Eric
Subject: RE: ORDC Seville Road Safety Project / MED Seville Road 265074A (ABC) PID 104307

Eric,

I looked over the ABC's recommendation and I see no issue of dropping the cantilever.

Joseph R. Dunn
FRA Certified Inspector
Transportation Department
Rail Division
PUCO
614-466-1150

From: Neff, Eric
Sent: Tuesday, February 07, 2017 12:42 PM
To: Dunn, Joseph
Subject: Re: ORDC Seville Road Safety Project / MED Seville Road 265074A (ABC) PID 104307

Joseph,

thanks for getting back to me. I just sent you an email I received from the ABC regarding the cants. Unless you disagree we're just going to go ahead with the project but not install the cants.

Please let me know.

Safe travels - Eric

Sent from my iPhone

On Feb 7, 2017, at 12:37 PM, Dunn, Joseph <joseph.dunn@puco.ohio.gov> wrote:

Eric,

Sorry about not calling back I was in transit yesterday to Pueblo Co. an all day deal. I am in class and tried to call on the last break I'll try again this afternoon.

Joseph R. Dunn
FRA Certified Inspector
Transportation Department
Rail Division
PUCO

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

6/26/2017 2:18:59 PM

in

Case No(s). 17-1509-RR-FED

Summary: Application In the Matter of a Request for the Installation of Active Warning Devices at the Akron Barberton Cluster Railway Grade Crossing on Seville Road (DOT#265-074A) in Medina County, Wadsworth, Ohio. electronically filed by Mrs. Jill A Henry on behalf of PUCO/ Rail Division