

Memo

To: Docketing Division

From: Thomas Persinger, Rail Project Specialist, Rail Division

Cc: PUCO Legal Department

Date: 10-24-2022

Re: PUCO Case No. 22-991-RR-FED- In the Matter of a Request for the Installation of Active Warning Devices at the Ashland Railway, Inc. Grade Crossing, DOT# 264-986G at CR 1475 in Ashland County, Ohio.

On February 11, 2022, the Ohio Rail Development Commission (ORDC) authorized funding for Ashland Railway, Inc. (ASRY) to install lights and gates at CR 1475 (DOT#264-986G) in Ashland County, Ohio. The crossing was surveyed, on July 20, 2021, and was found to warrant the upgrade. The electric utility provider for this crossing is Firelands Electric Co-op.

The project will be paid for with federal funds and is actual cost. The plans and estimates for the project in the amount of \$198,045.41 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:

Ashland Railway
Scott Patsolic
Manager Training and Safety
803 N. Main Street
Mansfield, OH 44902

Ohio Rail Development Commission
Alan Bell
Manager, Grade Crossing Programs
1980 West Broad Street
Mail Stop #3140
Columbus, OH 43223

Edward J. Meixner
Ashland County Engineer
1511 Cleveland Avenue
Ashland, OH 44805

Firelands Electric Cooperative, Inc.
103 Industrial Drive
New London, OH 44851

**OHIO RAIL DEVELOPMENT COMMISSION
INTER-OFFICE COMMUNICATION**

TO: John Williams, Transportation Director, PUCO

FROM: Allen Bell, Manager, Safety Section, ORDC

BY: James Tucker, Project Manager, ORDC J.T.

SUBJECT: Ashland County, County Road 1475. Ashland Railway
DOT #264-986G, PID 115872

DATE: October 13, 2022

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on July 20, 2021. The Ohio Rail Development Commission (ORDC) 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 plan and estimate are attached

PE has already been provided by the railroad. ORDC approves the site plans and estimates as provided. Please issue a construction-only order for the project outlined above for nine months. This construction authorization is made with the stipulation and understanding that any field work needs prior approval before the 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.

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
PE Authorization
Plan & Estimate
Letter Agreement

c: Jill Henry, Rail Division Chief, PUCO
Thomas Persinger, Rail Specialist, PUCO
Heather Hamilton, ORDC



Rail Development Commission

Mike DeWine, Governor
Jon Husted, Lt. Governor

Scott Corbitt, Chair

October 17, 2022

Mr. Scott Patsolic
Ashland Railway
Manager Training and Safety
803 N. Main Street
Mansfield, OH 44902

RE: Grade Crossing Warning Device Improvements
Ashland County, CR1475, DOT# 264-986G, PID# 115872

Dear Mr. Patsolic:

The bid process for the referenced project has been reviewed and is acceptable. Ashland Railway (ASRY) may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan. 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 \$198,045.41. 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 but must be confirmed in writing within ten (10) business days of the verbal approval.

This authorization is contingent upon ASRY accepting the following instructions:

1. ASRY's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to James Tucker, ORDC, email, james.tucker@dot.ohio.gov and to the Public Utilities Commission of Ohio, email thomas.persinger@puco.ohio.gov ASRY'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. ASRY 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 ASRY.
3. ASRY's project foremen will notify James Tucker at 614-398-6897 (telephone) or james.tucker@dot.ohio.gov (email) of any changes in the scope 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. ASRY shall send copies of each partial bill to ORDC.Invoice@dot.ohio.gov. Please find the enclosed ODOT Purchase Order to reference when billing.
6. ASRY 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,

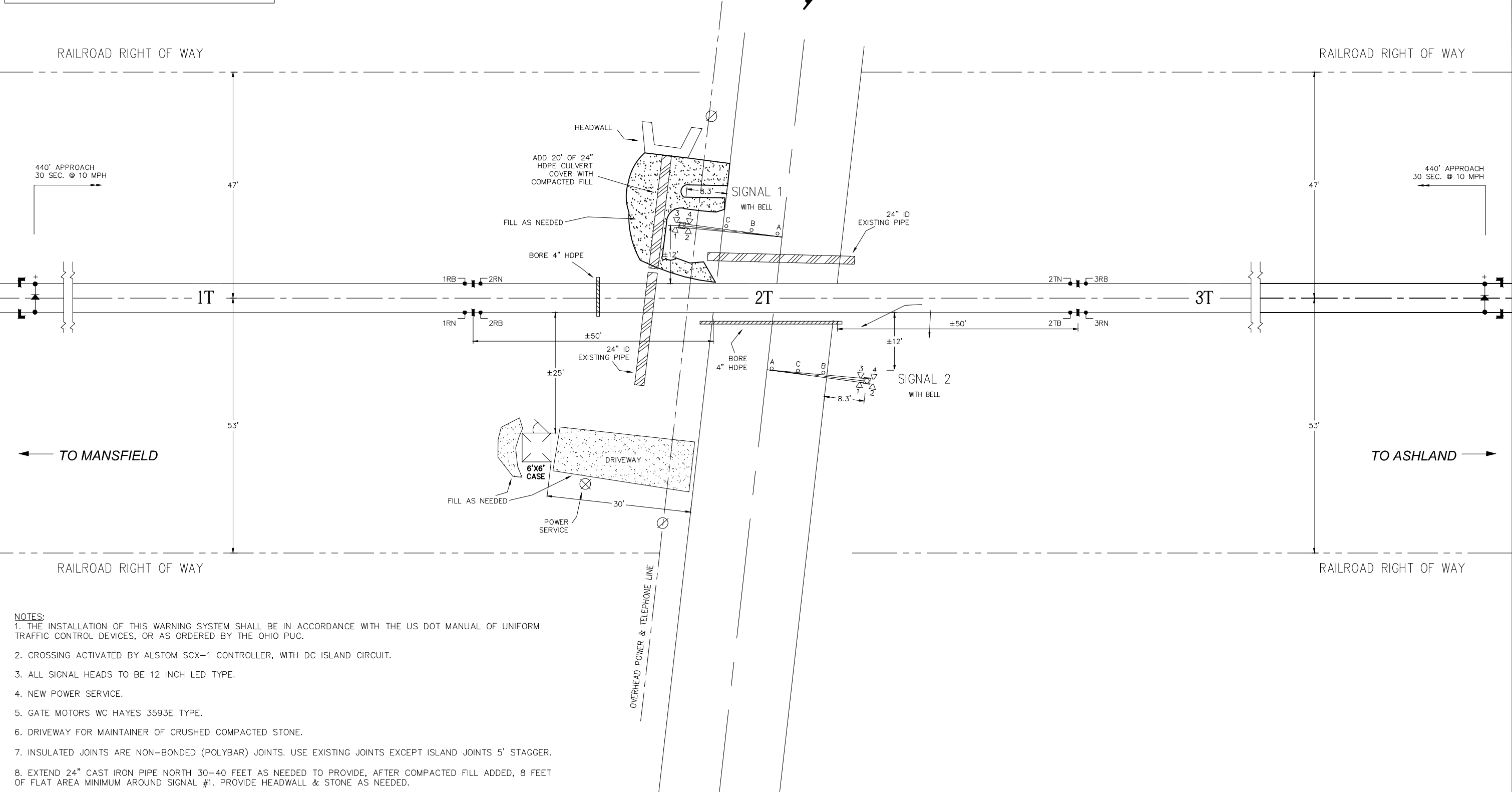


Project Manager

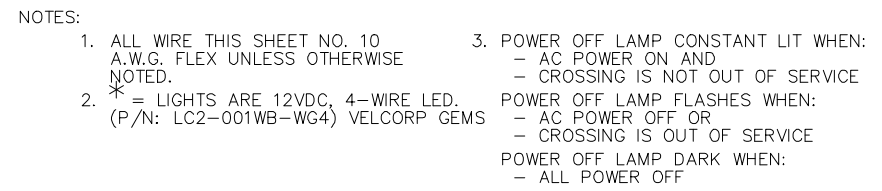
Attachment: ODOT P.O.

C: John Williams, Director, Transportation Department, PUCO
Jill Henry, Rail Division Chief, PUCO
Tom Persinger, Rail Specialist, PUCO
Heather Hamilton, ORDC
ORDC (file)

CR 1475
ASHLAND, OH
ASHLAND COUNTY
ASHLAND RAILWAY
DOT# 264-986G, MP 256.73

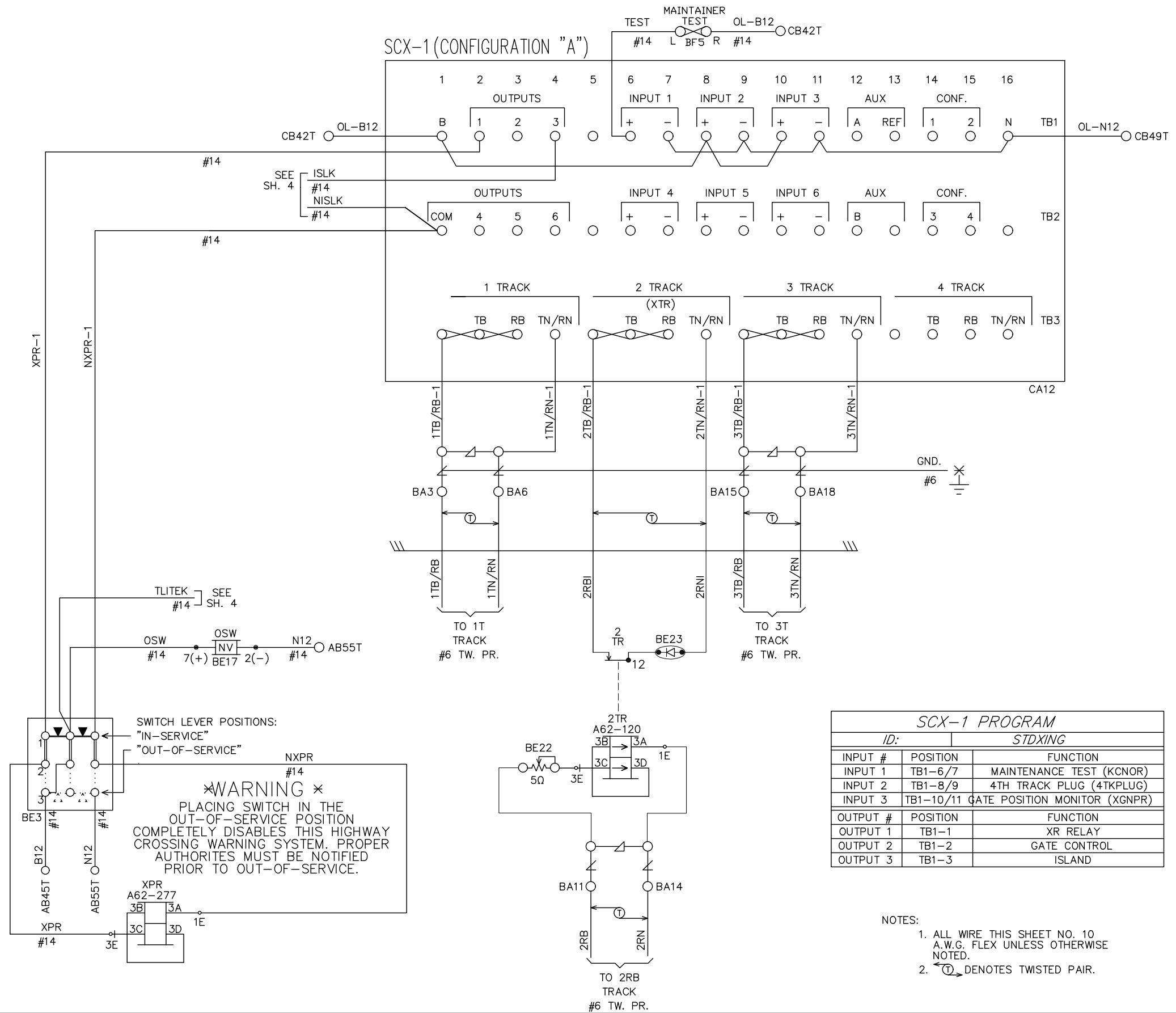


- NOTES:
- 1. THE INSTALLATION OF THIS WARNING SYSTEM SHALL BE IN ACCORDANCE WITH THE US DOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OR AS ORDERED BY THE OHIO PUC.
 - 2. CROSSING ACTIVATED BY ALSTOM SCX-1 CONTROLLER, WITH DC ISLAND CIRCUIT.
 - 3. ALL SIGNAL HEADS TO BE 12 INCH LED TYPE.
 - 4. NEW POWER SERVICE.
 - 5. GATE MOTORS WC HAYES 3593E TYPE.
 - 6. DRIVEWAY FOR MAINTAINER OF CRUSHED COMPACTED STONE.
 - 7. INSULATED JOINTS ARE NON-BONDED (POLYBAR) JOINTS. USE EXISTING JOINTS EXCEPT ISLAND JOINTS 5' STAGGER.
 - 8. EXTEND 24" CAST IRON PIPE NORTH 30-40 FEET AS NEEDED TO PROVIDE, AFTER COMPACTED FILL ADDED, 8 FEET OF FLAT AREA MINIMUM AROUND SIGNAL #1. PROVIDE HEADWALL & STONE AS NEEDED.

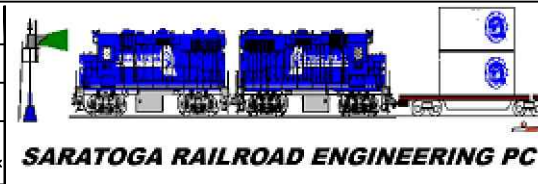


SARATOGA RAILROAD ENGINEERING PC

11 ROSE TERRACE
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swertans@saratogarailroad.com
www.saratogarailroad.com



Revision:	Drawn By:	App'd. By:	Date:	Designed By:	Date:
				SLW	5/22
				Drawn By:	Date:
				SLW	5/22
				Checked By:	Date:
				SLW	5/22
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SARATOGA RAILROAD ENGINEERING PC

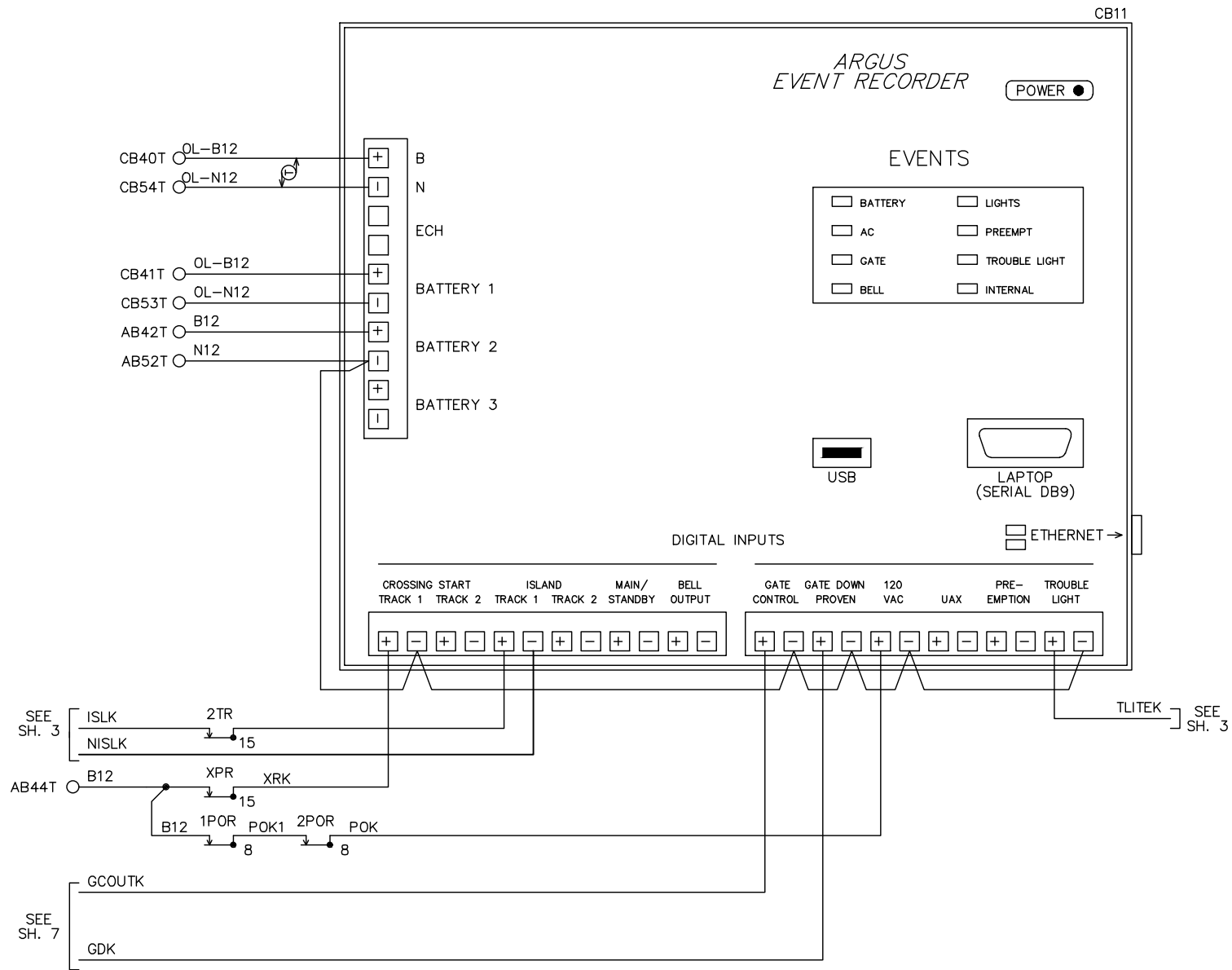
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ASHLAND RAILWAY
6055 KELLERS CHURCH RD.
PIPERSVILLE, PA 18947

GRADE CROSSING WARNING SIGNALS SCX-1 TRACK CIRCUITS	
CR 1475, ASHLAND, OH	
SCALE: NONE	DATE: MAY 2022

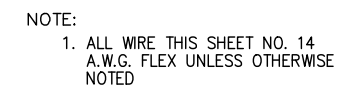
Drawing No.
TC-1
SHEET 3 OF 11



INDICATOR LED CONFIGURATION		
LED	ALARM NUMBERS	DESIGNATOR
I01	18	BATTERY
I02	5	AC
I03	9, 70	GATE
I04	16	BELL
I05	13, 71, 72	LIGHTS
I06	22	PREEMPT
I07	1	TROUBLE LIGHT
I08	7	INTERNAL

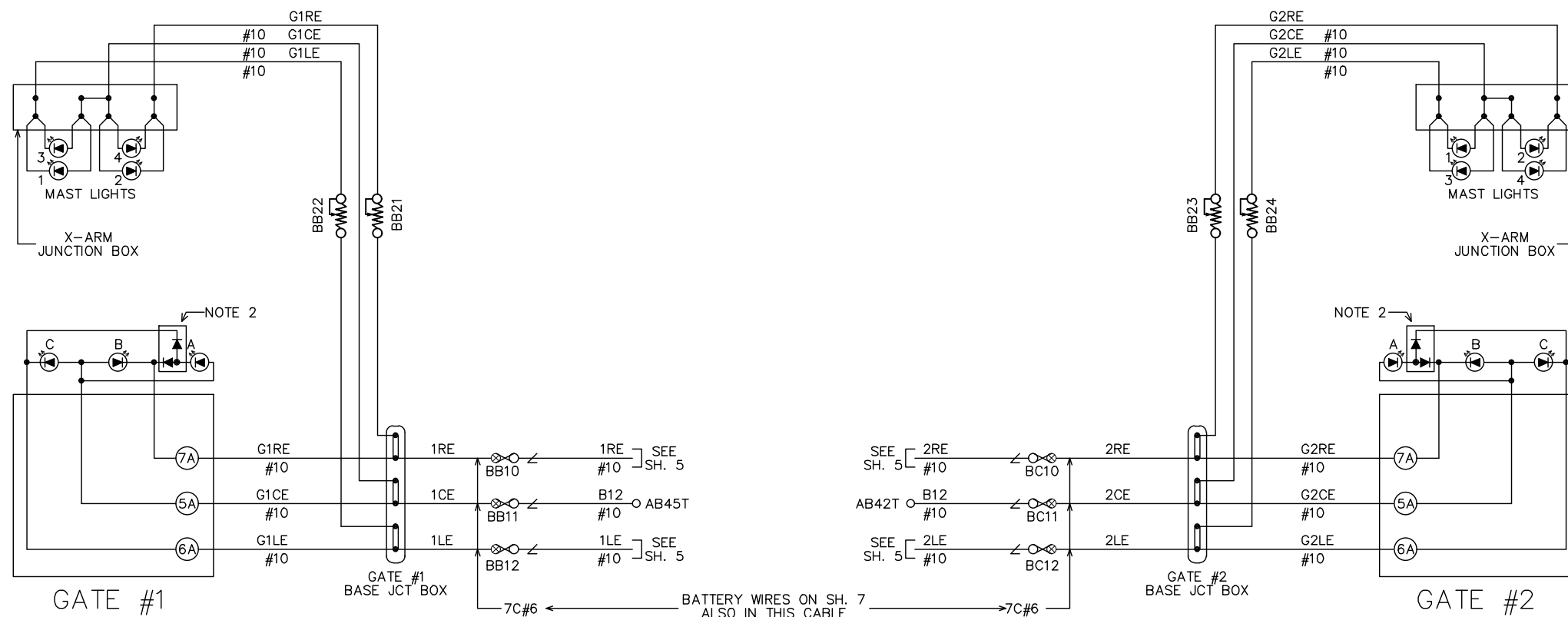
APPLICATION CONFIGURATION INFORMATION DIGITAL INPUTS 9V914-A01L			
INPUT NO.	INPUT NAME	ENERGIZED	DE-ENERGIZED
1	XR1	UP	DOWN
2	XR2	UP	DOWN
3	ISL1	UP	DOWN
4	ISL2	UP	DOWN
5	M/S	STANDBY	MAIN
6	BELL OUT	ON	OFF
7	GCOUT	ON	OFF
8	GDP	ON	OFF
9	120 VAC	ON	OFF
10	UAX	UP	DOWN
11	PREEMPT	ON	OFF
12	TLITE	ON	OFF

- NOTES:
- LEDs ARE ON (RED) WHEN NO ALARM HAS BEEN GENERATED OR AN ALARM HAS BEEN CLEARED USING THE CLEAR ALARM KEY.
 - LEDs FLASH FAST WHEN AN ALARM CONDITION EXIST.
 - LEDs FLASH SLOW IF AN ALARM HAS OCCURRED BUT IS CURRENTLY CLEARED.
 - THE CLEAR ALARM KEY WILL NOT CLEAR OUT ALARMS IF THEY CURRENTLY EXIST.
 - ALL WIRE THIS SHEET #14 A.W.G. FLEX UNLESS OTHERWISE NOTED. RECORDER JUMPERS MAY BE #18 AWG.
 - ↺↻ DENOTES TWISTED PAIR.

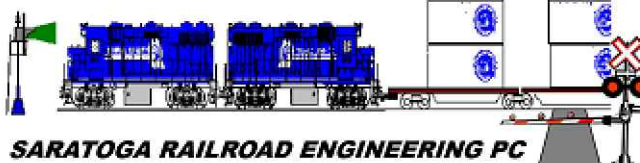


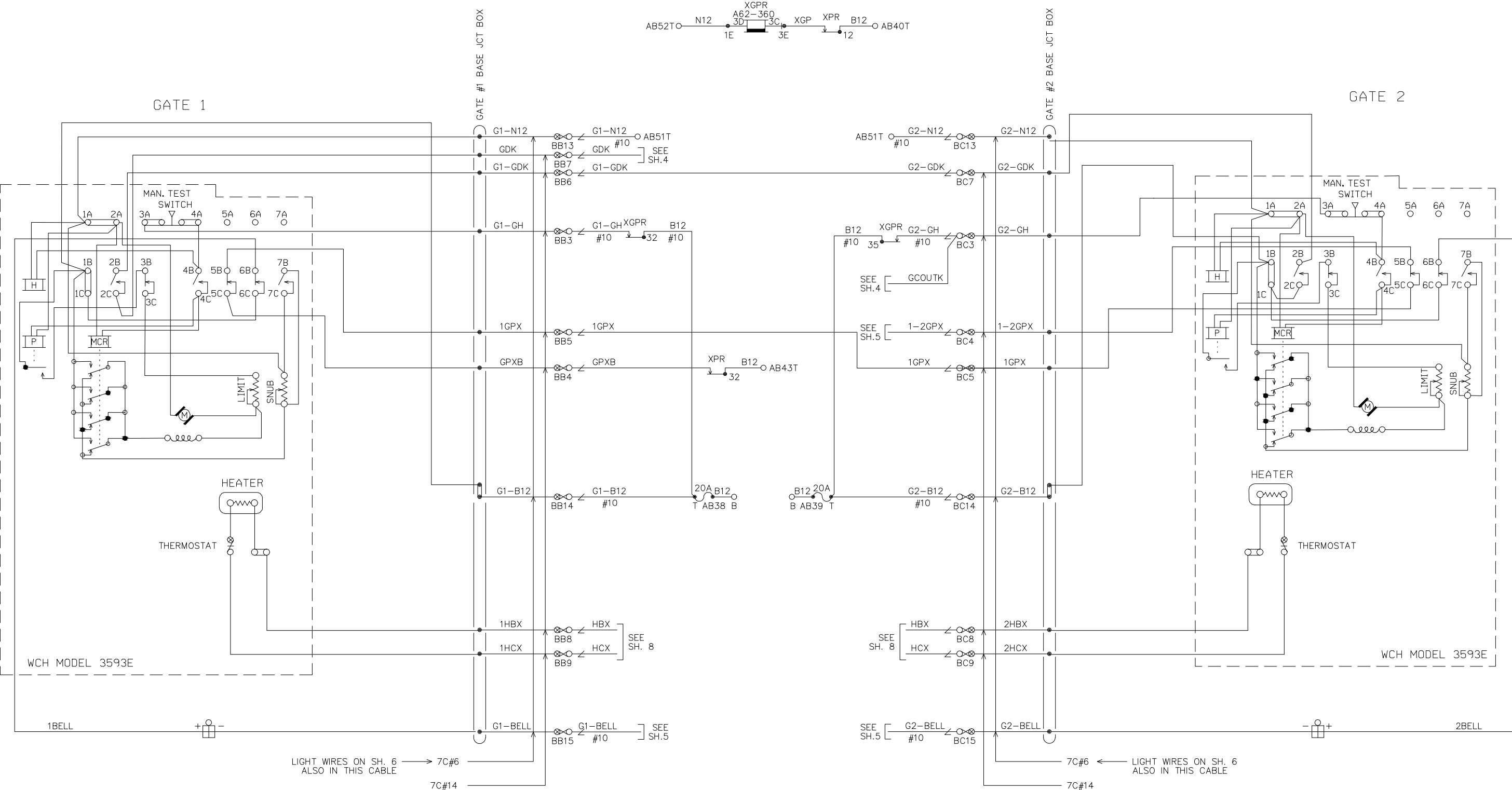
SARATOGA RAILROAD ENGINEERING PC

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www.saratogarailroad.com**



- NOTES:
- 1) ALL WIRE THIS SHEET NO. 14 A.W.G. FLEX UNLESS OTHERWISE NOTED.
 - 2) GETS-GS P/N 076045-300 FOR USE WITH RECO EZLED LAMPS AND PLUG CABLES.
 - 3) GATE LIGHTS TO BE HARD WIRED, (NO PLUG COUPLER TYPE LIGHTS).

Revisions:	Drawn By:	App'd. By:	Date:	Designed By:	Date:	 11 ROSE TERRACE SARATOGA SPRINGS, NY 12866 (518) 424-6794 swertans@saratogarailroad.com www.saratogarailroad.com	 ASHLAND RAILWAY 6055 KELLERS CHURCH RD. PIPERVILLE, PA 18947	GRADE CROSSING WARNING SIGNALS FLASHER CIRCUITS		Drawing No. FL-1
				Drawn By:	Date:					
				Checked By:	Date:					
				UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW			CR 1475, ASHLAND, OH			
							SCALE: NONE	DATE: MAY 2022	SHEET 6 OF 11	



WESTERN-CULLEN-HAYES MODEL 3593E

CONTACT	CLOSED	FUNCTION
2	0-10 DEG.	GATE DOWN
3	45-90 DEG.	POWER DOWN
4	0-86 DEG.	POWER UP
5	82-90 DEG.	GATE CLEAR
6	10-90 DEG.	BELL (IF USED)
7	0-10 DEG.	SNUB

- NOTES:
1. ADD JUMPERS IN GATE SHOWN IN BOLD.
 2. ALL WIRES THIS SHEET #14 A.W.G. FLEX UNLESS OTHERWISE NOTED.
 3. MAXIMUM WIRE SIZE FOR TERMINAL 5 TO MOTOR UP CONTROL (-) IS #12 AWG.

Revisions:	Drawn By:	App'd. By:	Date:	Designed By:	Date:
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				SLW	5/22
				Checked By:	Date:
				SLW	5/22
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ASHLAND RAILWAY
6055 KELLERS CHURCH RD.
PIPERSVILLE, PA 18947

GRADE CROSSING WARNING SIGNALS
GATE MECHANISM CIRCUITS

CR 1475, ASHLAND, OH

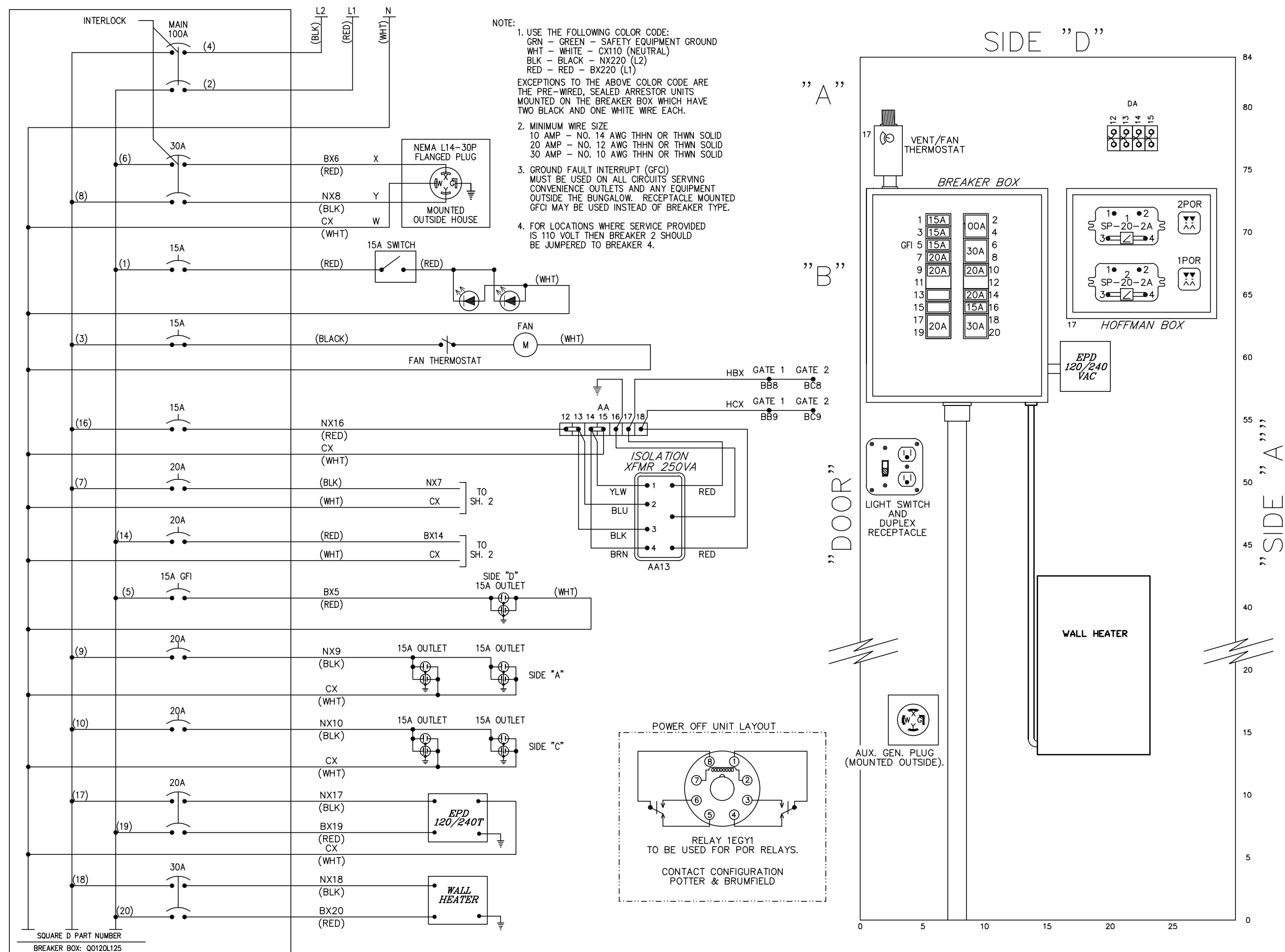
SCALE: NONE

DATE: MAY 2022

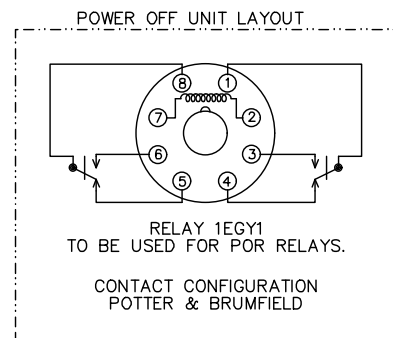
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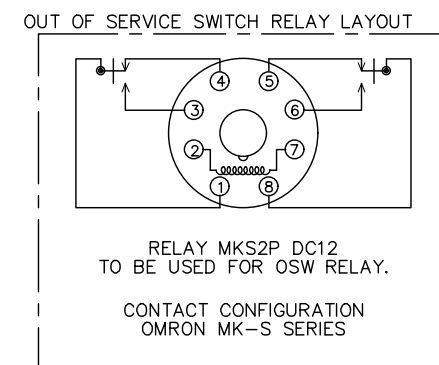
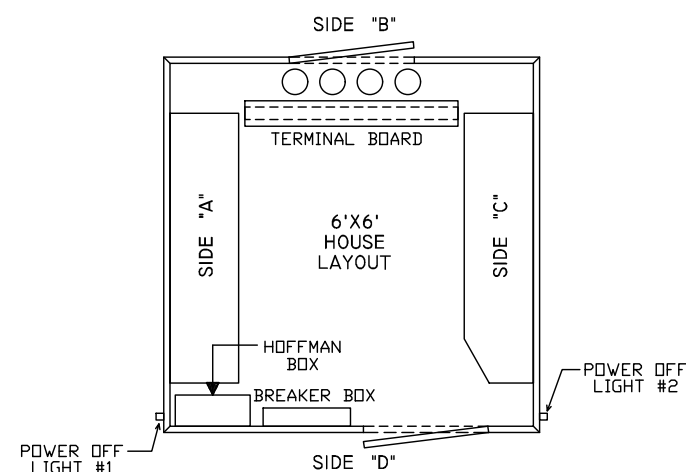
G-1

SHEET 7 OF 11

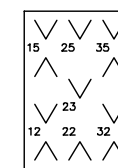


- NOTE:
1. USE THE FOLLOWING COLOR CODE:
GRN - GREEN - SAFETY EQUIPMENT GROUND
WHT - WHITE - CX110 (NEUTRAL)
BLK - BLACK - NX220 (L2)
RED - RED - BX220 (L1)
 2. MINIMUM WIRE SIZE
10 AMP - NO. 14 AWG THHN OR THWN SOLID
20 AMP - NO. 12 AWG THHN OR THWN SOLID
30 AMP - NO. 10 AWG THHN OR THWN SOLID
 3. GROUND FAULT INTERRUPT (GFCI) MUST BE USED ON ALL CIRCUITS SERVING CONVENIENCE OUTLETS AND ANY EQUIPMENT OUTSIDE THE BUNGALOW. RECEPTACLE MOUNTED GFCI MAY BE USED INSTEAD OF BREAKER TYPE.
 4. FOR LOCATIONS WHERE SERVICE PROVIDED IS 110 VOLT THEN BREAKER 2 SHOULD BE JUMPED TO BREAKER 4.

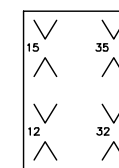




RELAY CROSS REFERENCE	
GRS	SAFETRAN
A62-277	400004
A62-360	400200



A62-277



A62-360

▼ = CONTACT USED

✓ = CONTACT NOT USED

Revisions:	Drawn By:	App'd. By:	Date:	Designed By:	Date:
				SLW	5/22
				Drawn By:	Date:
				SLW	5/22
				Checked By:	Date:
				SLW	5/22
				UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7206 SUBDIVISION 2 OF THE NEW YORK STATE ELECTION LAW	



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ASHLAND
RAILWAY

ASHLAND RAILWAY
6055 KELLERS CHURCH RD.
PIPERSVILLE, PA 18947

GRADE CROSSING WARNING SIGNALS TERMINAL BOARD LAYOUT

CR 1475, ASHLAND, OH

SCALE: NONE

DATE: MAY 2022	S
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Drawing No.

TB-1

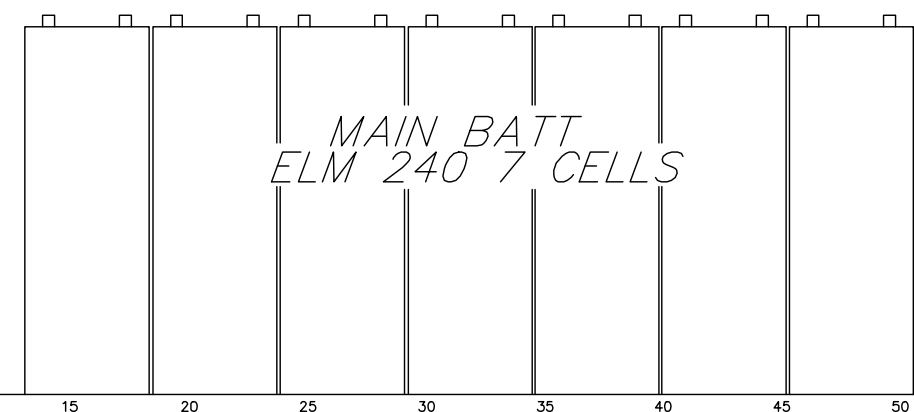
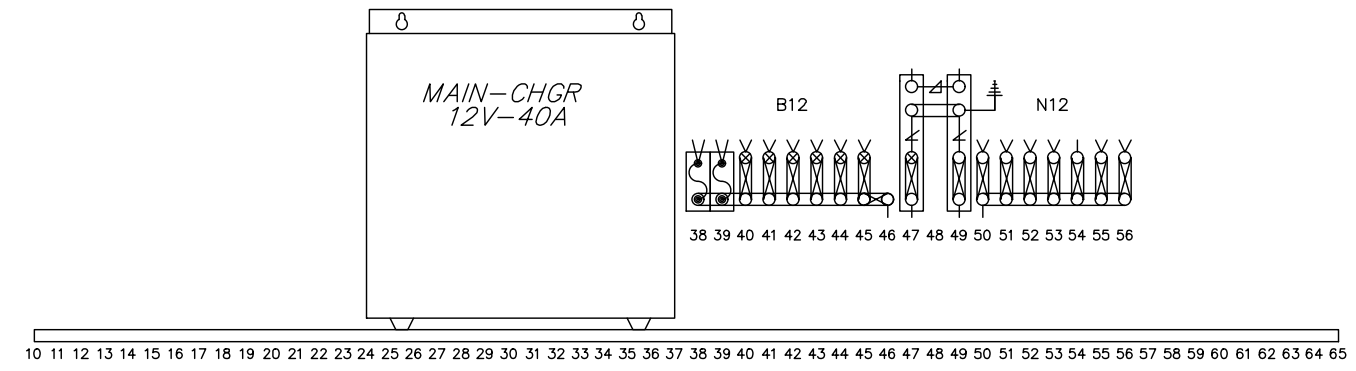
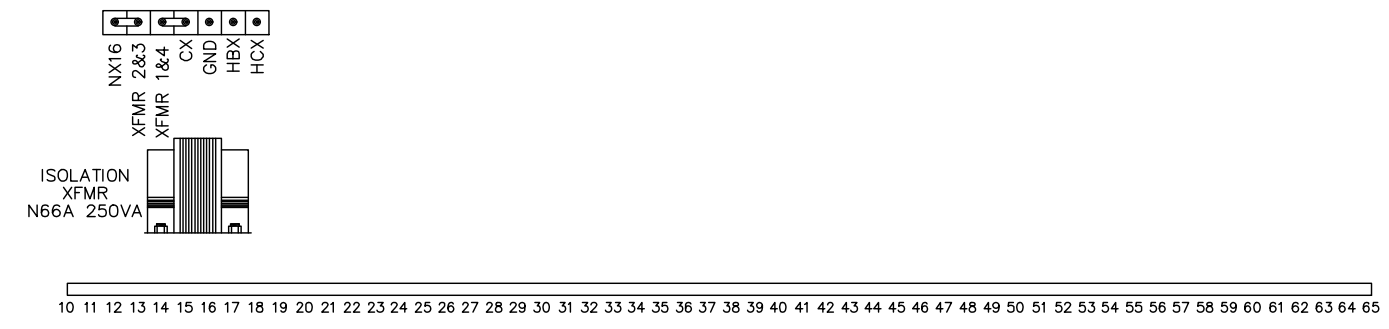
SHEET 9 OF 11

”A”

”B”

”C”

”BREAKER BOX/DOOR”



”TERMINAL BOARD”

SIDE ”A”

”A”

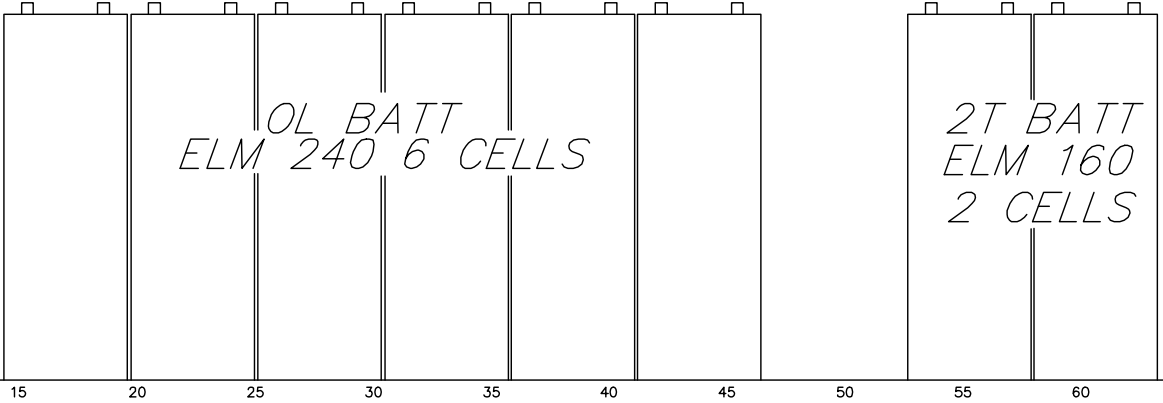
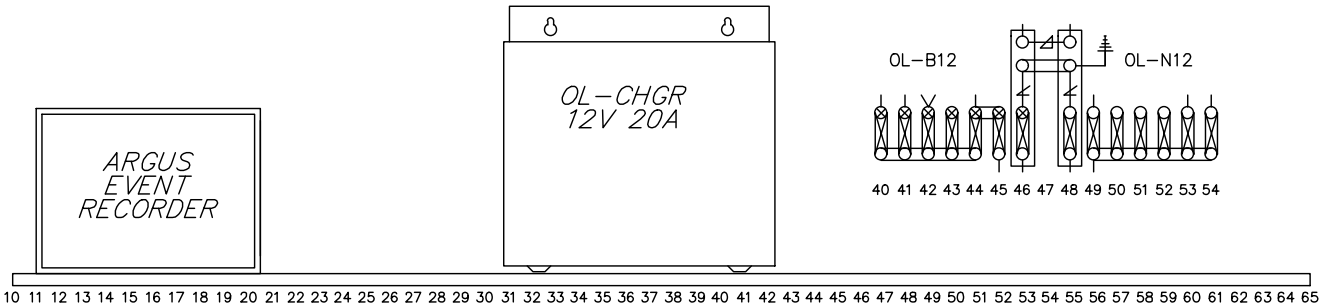
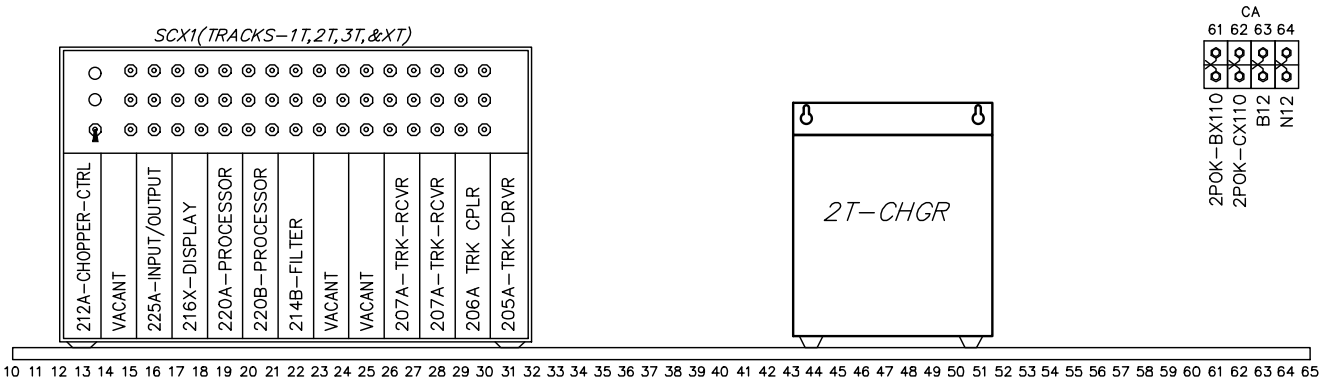
”B”

”C”

” TERMINAL BOARD ”

” DOOR ”

SIDE ”C”



				DATE: AUGUST 4, 2022			
CR 1475						UNIT PRICE	AMOUNT
1	Furnish & Install Signal Warning Systems (Flashing Lights & Gates)	1.0	LS	\$ 150,000.00	\$ 150,000.00	\$ 136,544.73	\$ 136,544.73
2	Conduit 4 Inch Jack & Bore (HDPE) or PVC SH80	1.0	LS	\$ 7,000.00	\$ 7,000.00	\$ 6,000.00	\$ 6,000.00
3	Furnish and Install meter base and pole and underground service	1.0	EA	\$ 5,000.00	\$ 5,000.00	\$ 6,000.00	\$ 6,000.00
4	Furnish and Install Non-Bonded Insulated Joint Assembly	8.0	EA	\$ 1,200.00	\$ 9,600.00	\$ 1,430.96	\$ 11,447.68
5	Furnish and Place Ballast Walkway Course	200.0	TN	\$ 60.00	\$ 12,000.00	\$ 30.00	\$ 6,000.00
6	Furnish and Install 24" Culvert including connection	20.0	LF	\$ 100.00	\$ 2,000.00	\$ 600.00	\$ 12,000.00
7	Furnish and Install Pre-Cast Concrete Headwall	1.0	EA	\$ 7,000.00	\$ 7,000.00	\$ 3,386.00	\$ 3,386.00
8	Mobilization	1.0	LS	\$ 9,000.00	\$ 9,000.00	\$ 3,500.00	\$ 3,500.00
9	Engineering	1.0	LS		\$ -	\$ 13,167.00	\$ 13,167.00
	SUBTOTAL				\$ 201,600.00		\$ 198,045.41

Location/Description	QTY	UNIT	Part Number
Beahan Rd			
CONTROL SHELTER			
HSE 6X6 AL PTMW	1	EA	028633-020X
PROTECTOR SURGE 120/240V W/IND	1	EA	010132-005
SCX-1 CONTROLLER ALSTOM	1	EA	300911-030
ASSY XLC TOP LEVEL	2	EA	250991-000
ASSY PLUGBOARD XLC	2	EA	251071-100
PROT AC LINE 230V SP20-3	2	EA	010059-001
RES ADJ WW 15W 1 OHM 5% PNLMT	4	EA	002014-003
ELC 12/40 W/10' LEAD	2	EA	017258-002-30
ELC 5/5 CHARGER	1	EA	
RECORDER ARGUS	1	EA	
MONITOR LOW VOLT 10-48VDC/1-150VDC	1	EA	017225-007
ASSY 4 POST TERM BLOCK	28	EA	203032-000
ASSY AGA-1	28	EA	202216-001
ASSY AGE-2 HD	2	EA	202217-001
RELAY COMP, B1	3	EA	56001-762-02
PLUGBOARD COMPLETE, B1 RELAY MTG KIT	3	EA	59686-005-08
"POST,TERMINAL VOLTAGE TEST 1E POST"	3	EA	42788-001-02
TEST LINK W/PLT & INSUL	76	EA	032257-002
RLY DPDT 240VAC 10A OCT W/LAMP	2	EA	007192-019
RLY DPDT 12VDC 5A OCT	1	EA	007192-032
SCKT RLY 8-PIN OCT SCREW PNLMT	3	EA	132246-001
WIRE 14AWG/19 TC EPR/PVC BLU	200	FT	012092-004
WIRE 16AWG/19 TC EPR/PVC BLU	450	FT	012092-002
WIRE 10AWG/19 TC EPR/PVC BLU	450	FT	012092-000
WIRE 6AWG/19THHN BLK	120	FT	012253-000
WIRE 6AWG/19 THHN RED	120	FT	012253-003
WIRE 6AWG/19 THHN GRN	20	FT	012253-002
ASSY 2WAY TERM BLK W/AAR HARD	8	EA	202810-000
ASSY TERM STRIP DBL POST 12	8	EA	250094-300
ASSY SINGLE ROW TERM 12 POST	1	EA	250084-212
NUT INSULATED HARMON	24	EA	013986-000
LIGHT POWER OFF LED W/WAGO CON	2	EA	023180-100
PLATE MOUNTING VELCORP PO LT	1	EA	123933-100
GROUND POST, 5/16	1	EA	58277-000-01
OOS LABEL	1	EA	125371-99X
KIT SM PRTS/TAGS GENERIC	1	EA	180394-SPT6
LABEL RK PNL-MAINTAINER TST SW	1	EA	125372-000
LABEL, DANGER 240 V, 1.75 X 2.	1	Each	SQS109
FIELD MATERIAL			
CABLE UG 7 COND #6 AWG SOLID	325	FT	1077-02
CABLE UG 7 COND #14 AWG SOLID	325	FT	1080-02
WIRE UG TRK #6 AWG DUPLEX	325	FT	1094-02
TAPE MARKER BURIED RR CABLE	1	Roll	029989-000
FOUND SIGNAL 60"DEPTH 11 11/16	2	EA	1322-01
BATT ELM240 1 CELL	13	EA	
BATT ELM 160. 1 CELL	2	EA	
SIGNAL GATE WESTERN CULLEN 3593E	2	EA	
BELL ELECTRONIC	2	EA	

WIRE #6 SOFT BARE COPPER	40	FT	1436-01
ROD 5/8 X 8 NS GRD ***	4	EA	1357-01
CLAMP GROUND FOR 5/8 ROD	4	EA	1359-01
BOND STRAND 8-STR 3/16" TINNED	120	FT	4133-01
BOOTLEG BOND W/COUPLER KIT	12	EA	3522-01
TAPE ELECTRICAL 3M #33+ 3/4"	3	EA	1190-01
TAPE ELECTRICAL 3M #130-C	3	EA	1321-01
COMPOUND INSULATING ELECTRIC	1	EA	4123-01
HOSE RUBBER 3/4"	50	FT	005360-015
STAPLE GROUND WIRE 1-1/16"X3"	12	EA	113005-000
STAPLE COPPERWELD 3/8 X 1-3/4	75	EA	1148-01
GREASE RUST PREVENTIVE NO OXID	1	EA	1906-01
SLEEVE NICO 3/16"-#6 AWG REDUC	4	EA	1145-01
CLIP TRACK WIRE RETAINER	12	EA	1118-01
COMPOUND DUCT SEAL 5 LB PLUG	3	EA	1179-01
PADLOCK SIGNAL CASE	2	EA	013043-000
Field Cable Tag Kit	1	EA	FIELD-TAG2
TRAY BATTERY 12 X 27"	4	EA	7438-01
WRENCH	1	EA	55393-003-01
WRENCH AAR TERMINAL	1	EA	095905-000
24" CULVERT PIPE WITH CONNECTION	20	FT	
PRE-CAST CONCRETE HEADWALL	1	EA	
STONE FILL	30	TN	



Rail Development Commission

Mike DeWine, Governor
Jon Husted, Lt. Governor

Scott Corbitt, Chair

February 11, 2022

Mr. Scott Patsolic
Ashland Railway
Manager Training and Safety
803 N. Main Street
Mansfield, OH 44902

RE: Grade Crossing Warning Device Improvements
Ashland County, County Road 1475, DOT# 264-986G, PID# 115872.

Dear Mr. Patsolic:

A diagnostic review was held at the above grade crossing on July 20, 2021. As a result of the review, the crossing will be upgraded to flashing lights and roadway gates.

Ashland Railway (ASRY) is authorized to proceed with the site plans and cost estimates (PE) or bid package 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 diagnostic review form is attached. Please note any recommendations (page 7), if any, made by the team regarding 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.

The Project Manager for this project is James Tucker. James can be reached at (614) 398-6897, or james.tucker@dot.ohio.gov, if you have any questions.

Sincerely,

Project Manager

C: John Williams, Director, Transportation Department, PUCO
Jill Henry, Rail Division Chief, PUCO
Heather Hamilton, ORDC
ORDC (file)





Public Utilities Commission

Mike DeWine, Governor
Jenifer French, Chair

Commissioners

M. Beth Trombold
Lawrence K. Friedeman
Dennis P. Deters
Daniel R. Conway

December 13, 2021

Mr. Scott Patsolic
Ashland Railway
Manager Training & Safety
803 N Main Street
Mansfield, OH 44902

Re: Ashland County, CR 1475, DOT#264-986G,
hereinafter referred to as the "Project"

Dear Mr. Patsolic:

The Public Utilities Commission of Ohio (PUCO) has identified and the Ohio Rail Development Commission (ORDC) surveyed, on July 20, 2021, 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. 00034, dated January 27, 2004, entered into by the State of Ohio and Ashland Railway, Inc. ("RAILROAD"). 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 and 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, Chief, Rail Division, Public Utilities Commission of Ohio, 180 E. Broad Street, Columbus, Ohio 43215-3793 or by email to jill.henry@puco.ohio.gov .

Sincerely,



John D. Williams
Director, Transportation
Public Utilities Commission of Ohio



Matthew Dietrich
Executive Director
Ohio Rail Development Commission

Ashland Railway, Inc.

By _____

Title _____

Date _____

Date 1/4/2022

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, Chief, Rail Division, Public Utilities Commission of Ohio, 180 E. Broad Street, Columbus, Ohio 43215-3793 or by email to jill.henry@puco.ohio.gov .

Sincerely,



John D. Williams
Director, Transportation
Public Utilities Commission of Ohio

Ashland Railway, Inc.

By EM Dietrich

Title MGR, TRAINING AND SAFETY

Date 12-15-21

Matthew Dietrich
Executive Director
Ohio Rail Development Commission

Date _____

CR 1475 (DOT #264986G), Ashland County, Ashland Railway
7/20/2021

Crossing at a glance: 264986G

ORDC Notes:

Please Sign In

Jim Tucker

ORDC

Name	Title	Organization	
	Phone Number	Email	Signature

Ed Meixner

Ashland County

Name	Title	Organization	
	Phone Number	Email	Signature

Scott Patsolic

ASRY

Name	Title	Organization	
	Phone Number	Email	Signature

Jim Schneider Inspector PULCO

Name	Title	Organization	
	Phone Number	Email	Signature

James.Schneider@PULCO.ohio.gov

SCOTT PATSOLIC MGR TRAINING & SAFETY ASHLAND RAILWAY

Name	Title	Organization	
	Phone Number	Email	Signature

Matt Smith General Manager Ashland Railway

Name	Title	Organization	
	Phone Number	Email	Signature

Name	Title	Organization	
	Phone Number	Email	Signature

Name	Title	Organization	
	Phone Number	Email	Signature

Reason for Request: **formula**
(e.g. formula, accident, constituent, etc.)

Date: 7/20/2021

Location Data			
Street or Road Name:		CR 1475	
County:	Ashland	Township:	US DOT No.: 264986G
City (in or near):	Ashland	Railroad Name:	ASRY RR Milepost: 256.73
Safety Data (Obtain crash reports, if possible)			
	Initial Information (from database)		Revised
Number & dates of vehicle crashes in previous 5 years:	n/a		
Number & dates of pedestrian/bicycle crashes in previous 5 years:	n/a		
Hazard Ranking:	1700	Date Run:	06/11/2021

Existing Traffic Control Devices			
Type of Warning Devices	Installed?		Quantity/Comments
HIGHWAY			
Advance Warning Signs (condition?)	☒ Yes	☐ No	2- fair
'Stop' Signs	☒ Yes	☐ No	on crossbucks
'Stop Ahead' Signs	☐ Yes	☒ No	
Pavement Markings (condition?)	☒ Yes	☐ No	fair
Dynamic Envelope Markings (condition?)	☐ Yes	☒ No	
Illumination	☐ Yes	☒ No	
'No Turn' Signs (highway/passive)	☐ Yes	☒ No	
Barriers/fencing (pedestrian/bicycle)	☐ Yes	☒ No	
LOOK Sign	☐ Yes	☒ No	
Do Not Stop On Track Sign	☐ Yes	☒ No	
RAILROAD			
Crossbucks	☒ Yes	☐ No	
Crossbucks – assembly with Stop	☒ Yes	☐ No	
Crossbucks – assembly with Yield	☐ Yes	☒ No	
Mast-Mounted Flashing Lights	☐ Yes	☒ No	
Cantilever Flashing Lights	☐ Yes	☒ No	Number: Length:
Side Lights	☐ Yes	☒ No	
LED or Incandescent Lights? Size?	☐ Yes	☒ No	
Automatic Gates	☐ Yes	☒ No	Number: Length:
Bells	☐ Yes	☒ No	Number:
Sidewalk/Pedestrian Gate Arms	☐ Yes	☒ No	Number: Length:
'No Turn' Signs (railroad/active)	☐ Yes	☒ No	
Is crossing flagged by train crew?	☐ Yes	☒ No	
OTHER	☐ Yes	☐ No	

Railroad Data		
Type of Train: ☒ Freight ☐ Intercity Passenger ☐ Transit ☐ Shared Use Transit ☐ Commuter ☐ Tourist/Other		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	2	
<1 per day? Trains per week		
Day thru trains	2	
Night thru trains		
Switching		
Total number of tracks		
Number of main tracks	1	
Number of other tracks		
Maximum train speed	30	10
Typical train speed	30	10
Amtrak		
Are there other track(s) crossing this same roadway within 100ft of this crossing? ☐ Yes ☒ No		
If yes, Crossing DOT# (if different) _____		
If yes, distance _____ (take measurement between track centerlines at closest point along roadway)		
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 the crossing? ☐ Yes (explain below) ☐ No		
Can one or more tracks be eliminated through the crossings? ☐ Yes ☐ No		
Comments:		
Circuitry: ☐ Constant Warning Time ☐ Motion Detection ☐ AFO ☐ PTC ☐ DC ☐ Other _____		

Roadway Data		
Local Highway Authority: Ashland County		
Roadway Characteristics	Initial Information (from database)	Revised
Average Daily Traffic	1031 (2008)	
Highway Paved	☒ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete Other _____		
Roadway width (paved/travelled way): <u>21</u> ft		
Number of Highway Lanes	2	
Urban or Rural	rural	
Vehicle Speed: <u>55</u> MPH		
School Bus Operation: ☒ Yes ☐ No Amount <u>2</u>		
Location of nearby schools: <u>Ashland High School 2.5 miles EAST</u>		
Hazardous Materials Trucks: ☐ Yes ☒ No Amount (from FRA) _____ LHA verified/changed?		
Shoulders: ☐ Yes ☒ No		
Is the Shoulder Surfaced? ☐ Yes ☒ No If yes, shoulder width: _____ ft.		
Is there existing guardrail along the roadway in crossing vicinity? ☐ Yes ☒ No		
Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured in _____ Quadrant?		
Quadrant <u>SW</u> Curb & Gutter:	Quadrant <u>NE</u> Curb & Gutter:	
☐ Functional (Curb height = 4" or more)	☐ Functional (Curb height = 4" or more)	
☐ Non-functional (Curb height = less than 4")	☐ Non-functional (Curb height = less than 4")	
☒ None	☒ None	
Is there a nearby intersection that could cause queuing over the crossing? ☐ Yes ☒ No		
If yes, distance _____		
Is this intersection signalized? ☐ Yes ☐ No		
Are there signals currently interconnected with the existing crossing warning devices? ☐ Yes ☐ No		
Is there a 'Do Not Stop on Track' sign? ☐ Yes ☐ No		
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? ☐ Yes ☒ No		
If yes:		
Improvement type _____ Lead Agency _____ Timeline/completion _____		

Pedestrian & Bicycle Data	
Regular pedestrian usage:	☒ Yes ☐ No Volumes: ☒ Occasional ☐ <20 ☐ 20-60 ☐ >60
Is sidewalk present in the approach?	☐ Yes ☒ No Quadrants:
Does crossing surface accommodate pedestrians?	☐ Yes ☒ No
Both sides of roadway?	☐ Yes ☒ No If no, which side is paved?
Pedestrian generators in close proximity (e.g. schools, sports/entertainment venues)?	☐ Yes ☒ No
Comments:	
Regular bicycle usage: ☒ Yes ☐ No	
☒ Roadway ☐ Dedicated Lane (on street) ☐ Dedicated Path (off street) ☐ Shared Use (pedestrian/bicycle) Path ☐ Bikes must use sidewalk	
Future plans for pedestrian or bicycle routes?	☐ Yes ☒ No
Comments:	

Utility Information	
Is commercial power available?	☒ Yes ☐ No
Utility Provider (Company Name)	First Energy
Nearest Available Power Source	78' East of crossing Pole # C4-21-30
What other utilities are present?	☐ Gas ☐ Cable ☐ Telephone ☒ Fiber Optic Cable (add locations to sketch) ☐ Petroleum ☐ Water ☐ Sanitary Sewer ☐ Other
Comments:	

Surface	
Surface review form completed?	☐ Yes ☒ No

Sight Preview (REFER TO TABLES)	
If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1)	☒ Yes ☐ No 240
Is stopping sight distance adequate? (See Table 2)	☐ Yes ☒ No If no, which quadrant? NW + SW
When considering recommendations for bicycle treatments:	
Bicycle sight distance adequate?	☒ Yes ☐ No If no, which quadrant? _____
When considering recommendations for pedestrian treatments:	
Pedestrian sight distance adequate?	☒ Yes ☐ No If no, which quadrant? _____

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

Culvert / Drainage / Ballast Conditions:

Poor drainage and ballast.
might need fill work in SW Quad.

Roadway and/or Sidewalks:

N/A

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

N/A

Environmental:

N/A

Utilities:

N/A

Other:

Potential Closure

Is it the consensus of the Diagnostic Review Team that this is a potential closure project? **NO**

Explain reasons: **Detour would be too long.**

Diagnostic Team Recommendations

☐ No improvements needed	Quadrants Needed
☒ Install/upgrade active devices	
☐ Automatic Flashing Lights (AFLS)	
☐ AFLS / Cants	
☒ AFLS / Gates	Both @ 8'3"
☐ AFLS / Gates / Cants	
☒ Bells / number	
☐ Upgrade circuitry / type	
☐ Sidelights	
☒ LED Upgrades	12"
☐ Guardrail Needed	
☐ Install/Replace curb	
☐ Bungalow placement & offset from rail & highway	
☐ Other (define)	
Comments: The team felt that even if new ranking is higher this crossings should be upgraded.	
☐ Install/upgrade traffic signal preemption	
Other (define):	

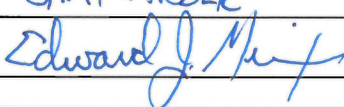
Diagnostic Team Recommendations (cont.)

PEDESTRIAN/BICYCLE Treatments (additional, not included above)

☐ Crossing Surface (specify)	☐ Sidewalk (specify)
☐ Detectable warning surfaces	☐ LOOK Sign (R15-8)
☐ Stop lines	☐ Illumination
☐ Dynamic envelop markings	☐ Channelization
☐ Path delineation	☐ Fencing/barriers
☐ Other	

Comments:

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


S.M. PATSOLK

Edward J. King

Field Sketch (optional)

Include utilities as marked by OUPS and LHA; include ROW boundaries as indicated by railroad and LHA.

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.

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.

Bicycle & Pedestrian Clearing Sight Distances

Clearing Sight Distance from Stop Position*											
Crossing of one track								Crossing 2 Tracks		Crossing 3 Tracks	
Train Speed	Car	Single-unit Truck	Bus	WB-50 Semitruck	65-foot Double Truck	Pedestrian ¹	Bicyclist ²	Pedestrian ¹	Bicyclist ²	Pedestrian ¹	Bicyclist ²
10	105	185	200	225	240	120	100	180	120	240	140
20	205	365	400	450	485	240	200	360	240	480	270
25	255	455	500	560	605	300	250	450	290	590	340
30	310	550	600	675	725	360	290	530	350	710	410
40	410	730	795	895	965	480	390	710	470	950	540
50	515	910	995	1,120	1,205	590	490	890	580	1180	670
60	615	1,095	1,195	1,345	1,445	710	580	1060	700	1420	810
70	715	1,275	1,395	1,570	1,680	830	680	1240	810	1650	940
80	820	1,460	1,590	1,790	1,925	950	780	1420	930	1890	1080
90	920	1,640	1,790	2,015	2,165	1060	870	1590	1040	2120	1210

*A single track, 90-degree, level crossing

¹ Walking 3.5 feet per second across tracks 15 feet apart, with a 2-second reaction time to reach a decision point 10 feet before the center of the first track, and clearing 10 feet beyond the centerline of the second track.

² Bicycling 8 miles per hour across tracks 15 feet apart, from a stopped position 10 feet before the center of the first track with an acceleration of 2.5 feet per second, and clearing 10 feet beyond the centerline of the second track on a bike of 6 feet length.

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

10/24/2022 11:23:48 AM

in

Case No(s). 22-0991-RR-FED

Summary: Application In the Matter of a Request for the Installation of Active Warning Devices at the Ashland Railway, Inc. Grade Crossing, DOT# 264-986G at CR 1475 in Ashland County, Ohio. electronically filed by Mr. Thomas Persinger on behalf of PUCO/Rail Division