Public Utilities Commission of Ohio

Memo

To: Docketing Division

From: Jill Henry, Rail Specialist, Rail Division

Cc: PUCO Legal Department

Date: 11/2/2020

Re: PUCO Case No. 20-1657-RR-FED- In the Matter of a Request for the Installation of Active Warning Devices at the Columbus & Ohio River Railroad Crossing, DOT#517-370K, TR 255 in Coshocton County, Ohio.

On August 20, 2019, the Ohio Rail Development Commission (ORDC) authorized funding for the Columbus & Ohio River Railroad (CUOH) to install flashing lights and gates at the TR 255 (DOT#517-370K) grade crossing in Coshocton County, Ohio. The crossing was surveyed, on April 17, 2019, and was found to warrant the upgrade. The electric utility provider for this crossing is the Frontier Power Company.

The project will be paid for with federal funds and is actual cost. The plans and estimates for the project in the amount of \$168,980.00 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 <u>railroad will be responsible</u> 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:

Columbus & Ohio River Railroad Len Wagner Senior Vice-President Northern Region/Genesee & Wyoming Inc. 201 N. Penn Street Punxsutawney, PA 15767

Columbus & Ohio River Railroad Jared Rishel AVP Engineering Northern Region Genesee & Wyoming Inc. 4349 Easton Way Suite 110 Columbus, OH 43219

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

Oxford Township, Coshocton County Trustees 23021 SR 751 West Lafayette, Ohio 43845

The Frontier Power Company 770 South 2nd Street P.O. Box 280 Coshocton, Ohio 43812

OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO: John Williams, Director, Transportation Department, PUCO

FROM: Cathy Stout, Manager, Safety Section, ORDC

BY: Greg Gronbach, Project Manager, Safety Section, ORDC

SUBJECT: Coshocton County, TR255, DOT# 517370K, PID# 110492

DATE: September 10, 2020

The Ohio Rail Development Commission (ORDC) established a diagnostic survey at the subject location on April 17, 2019. 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. ORDC recommends a nine (9) month construction timeline. 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 <u>railroad will be responsible</u> 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.

Greg Gronbach Project Manager

Attachment:

Diagnostic Review Letter Agreement

PE Authorization

Plan, Estimate & Material List Construction Authorization

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



September 10, 2020

Mike DeWine, Governor Jon Husted, Lt. Governor

Mr. Len Wagner President & Legal Official (SVP) Genesee & Wyoming/CUOH 201 N. Penn Street Punxsutawney, PA 15767

RE: Construction Authorization

Coshocton County, TR255, DOT# 517370K, PID# 110492

Dear Mr. Wagner:

The plan dated 3/25/2020 and estimate dated 9/3/2020, for the referenced project is acceptable. Genesee & Wyoming/CUOH 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.

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 \$168,980.00. 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 Genesee & Wyoming/CUOH accepting the following instructions:

- 1. Genesee & Wyoming/CUOH's project foreman will furnish written notification five (5) working days prior to the date work will start at the project site to Greg Gronbach, ORDC, email Gregory.Gronbach@dot.ohio.gov, and to the Public Utilities Commission of Ohio at Jill.henry@puc.state.oh.us. Genesee & Wyoming/CUOH'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. Genesee & Wyoming/CUOH 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 Genesee & Wyoming/CUOH.
- 3. Genesee & Wyoming/CUOH's project foremen will notify Greg Gronbach at 614-745-6760(telephone) or Gregory.Gronbach@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. Genesee & Wyoming/CUOH will furnish two (2) copies of each partial bill to ORDC. Please find the enclosed ODOT Purchase Order to reference when billing.
- 6. Genesee & Wyoming/CUOH 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

C: John Williams, Director, Transportation Department, PUCO

Jill Henry, Rail Division Specialist, PUCO

Heather Hamilton, ORDC

ORDC (file)



Mike DeWine, Governor Jon Husted, Lt. Governor

Mark Policinski, Chair

October 24, 2019

Mr. Len Wagner President & Legal Official (SVP) Genesee & Wyoming/CUOH 201 N. Penn Street Punxsutawney, PA 15767

RE: PE Submitted RR Solicit Bids

COS TR255 DOT# 517370K PID# 110492

Dear Mr. Wagner:

The plan and estimate transmitted October 23, 2019, for the referenced project has been reviewed and is acceptable. Genesee & Wyoming/CUOH may proceed with soliciting bids for 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.

A construction authorization will be sent once the bid documents have been received and approved. No field work may be started without a construction authorization from this office.

Sincerely,

Project Manager

Ohio Railroad Development Commission

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

Force Account Estimate

Estimate to Complete

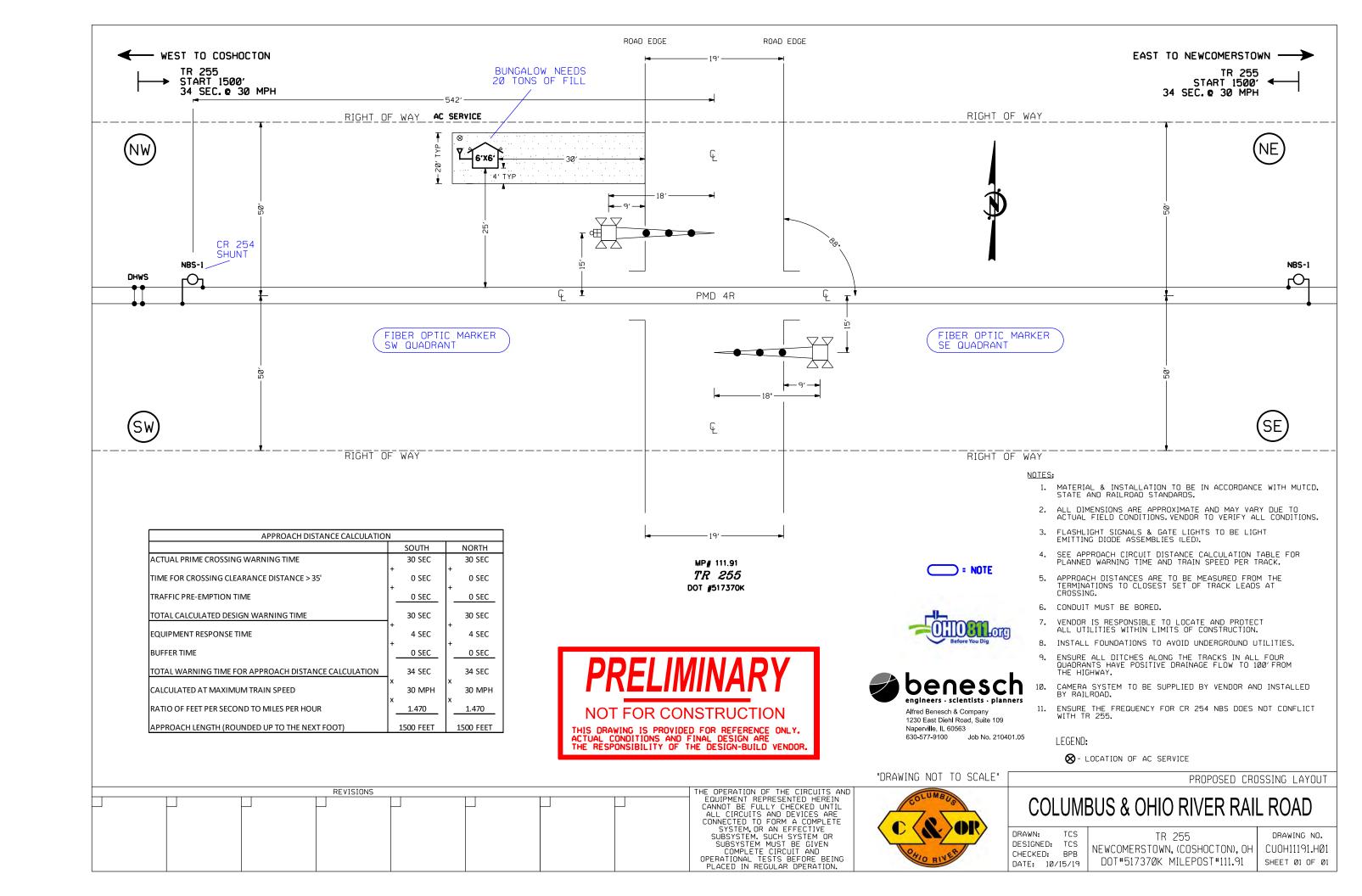
Railroad:	Columbus & Ohio River Rail Roa	id (CUOH) Region:	NORTHER	RN
Agency:	ORDC	State:	ОН	
DOT #:	517370K	COUNTY:	Coshocto	n
ROADWAY:	TR 255	CITY:	Newcomerst	
		of Flashing Lights and Gates, new 6x6 b		
Consta	nt warning Time Circuitry. Single tr	rack through crossing. No costs included	for utility relocation	•
AGENCY PROJECT NUMB	ER: PID 110492	ESTIMATE SUBJECT TO REVISIO	N AFTER: 03	/02/21
PRELIMINARY ENGINEERING:				
Contracted & Administrative Engir	neering Services		\$	13,100
Subtotal			\$	13,100
CONSTRUCTION & CLOSEOUT:				
Contracted & Administrative Engir	neering Services		\$	14,900
Subtotal			\$	14,900
FLAGGING SERVICE:				
Contracted or Railroad Flagmen S	ervices <u>10</u>	Days	\$	14,000
Subtotal			\$	14,000
UTILITY WORK:				
Power Service			\$	25,000
Other			\$	20,000
Subtotal			\$	25,000
Cubiciu.			•	20,000
CONTRACT WORK:				
Outside Services			\$	-
Design & Labor & Material			\$	101,980
Subtotal			\$	101,980
RAILROAD TRACK:				
Labor & Material			\$	_
Subtotal			\$	
RAILROAD SIGNAL & COMMUN	ICATION:			
Labor & Material			\$	-
Subtotal			\$	-
PROJECT SUBTOTAL:			\$	168,980
Public Project Admin:	0.00%		\$	-
Contingencies:	0.00%		\$	-
DDO IFOT TOTAL	ىنىدىد دادىد دادى ئارى ئارى ئارى ئارى ئارى ئارى ئارى ئار	******	<u> </u>	100.000
PROJECT TOTAL:		******	\$	168,980
TOTAL SUPPLEMENT REQUEST	<u>-1-</u>	******	\$ \$	168,980
TOTAL SUFFICINIENT REQUES	ILU.		Ş	100,300
DIVISION OF COST:				
Agency	100.00%		\$	168,980
Railroa			\$	-
			<u> </u>	

NOTE: Estimate is based on FULL CROSSING CLOSURE during work by Railroad Forces & Contractors.

This estimate has been prepared based on site conditions, anticipated work duration periods, material prices, labor rates, manpower and resource availability, and other factors known as of the date prepared. The actual cost for the railroad work may differ based upon the agency's requirements, their contractor's work procedures, and/or other conditions that become apparent once construction commences or during the progress of the work.

Estimated prepared by: BPB Approved by: **Public Project Department**

DATE: DATE: <u>07/26/19</u> REVISED: <u>09/03/20</u> 09/03/20



	А	В	С
1	CUOH TR 255 #517370K NEWCOMERSTOWN, OH		
2	TCR RAIL SYSTEMS SUPPLIED MATERIAL		
3	6X6 CONTROL HOUSE	1	EA
4	PMD-4R	1	EA
5	XLC LAMP CONTROLLER	2	EA
6	VLG LOGIC GATE	1	EA
7	VITAL RELAY	2	EA
8	NAS II	1	EA
9	CAMERA SYSTEM	1	EA
10	BATTERY CHARGER 20A	1	EA
11	BATTERY CHARGER 40A	1	EA
12	BATTERY 368 AH	6	CELL
13	BATTERY 264 AH	7	CELL
14	4-POST BLOCK	38	EA
15	6-POST DBL BLOCK	9	EA
16	LIGHTNING ARRESTER, HEAVY DUTY	38	EA
17	EQUALIZER, HEAVY DUTY	4	EA
18	INSUL. TEST LINK ASSEMBLY	70	EA
19	AAR HARDWARE	1	LOT
20	WIRE TERMINATION	1	LOT
21	WIRE TAGS	1	LOT
22	WIRE, #14 TOWER & CASE WIRE (BLUE)	400	FT
23	WIRE, #10 TOWER & CASE WIRE (BLUE)	400	FT
24	WIRE, #6, GREEN	30	FT
25	2C#6 TWISTED CABLE (TRACK)	200	FT
26	3C#6 POWER CABLE	75	FT
27	7C#6 UG CABLE	200	FT
28	7C#14 UG CABLE	200	FT
29	3C#9 UG CABLE	200	FT
30	RAILROAD SIGNAL LOCK	5	EA
31	METER SERVICE	1	EA

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DWG. NO.	DESCRIPTION	А	В	С	D	Е	F	G	Н
111.91-CUOH-01	INDEX								
111.91-CUOH-02	LOCATION PLAN								
111.91-CUOH-03	AC POWER DISTRIBUTION								<u> </u>
111.91-CUOH-04	BATTERY & P.O. CIRCUITS								<u> </u>
111.91-CUOH-05	PMD-4R PROGRAMMING AND SETUP								<u> </u>
111.91-CUOH-06	PMD-4R CROSSING CONTROL CIRCUITS								<u></u>
111.91-CUOH-07	CROSSING CONTROL CIRCUITS - VLG, GCR, 1XLCS & 2XLC								
111.91-CUOH-08	GATE CONTROL AND LIGHTING CIRCUITS GATE 1								
111.91-CUOH-09	GATE CONTROL AND LIGHTING CIRCUITS GATE 2								
111.91-CUOH-10	RECORDER CIRCUITS								
111.91-CUOH-11	HOUSE LAYOUT, SIDEA A AND C								
111.91-CUOH-12	TERMINAL BOARD LAYOUT, SIDE B								<u> </u>
111.91-CUOH-13	SITE LAYOUT								
111.91-CUOH-14	PROPOSED TRACK PLAN								
15									
16									
17									
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REV.	GENERAL NOTES:
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	NEW WORK
	RAIL SYSTEMS
	JOB #1068 DATE: 03-25-20
	DATE: 03-25-20 DRAWING NO. 111.91-CUOH-01

NOTE	DATE	NO NO
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JDE: 40.2716507 LONGITUDE: -81.6773526 THE OPERATION OF THE CIRCUITS
AND EQUIPMENT REPRESENTED
HEREIN CANNOT BE FULLY CHECKED
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INDEX

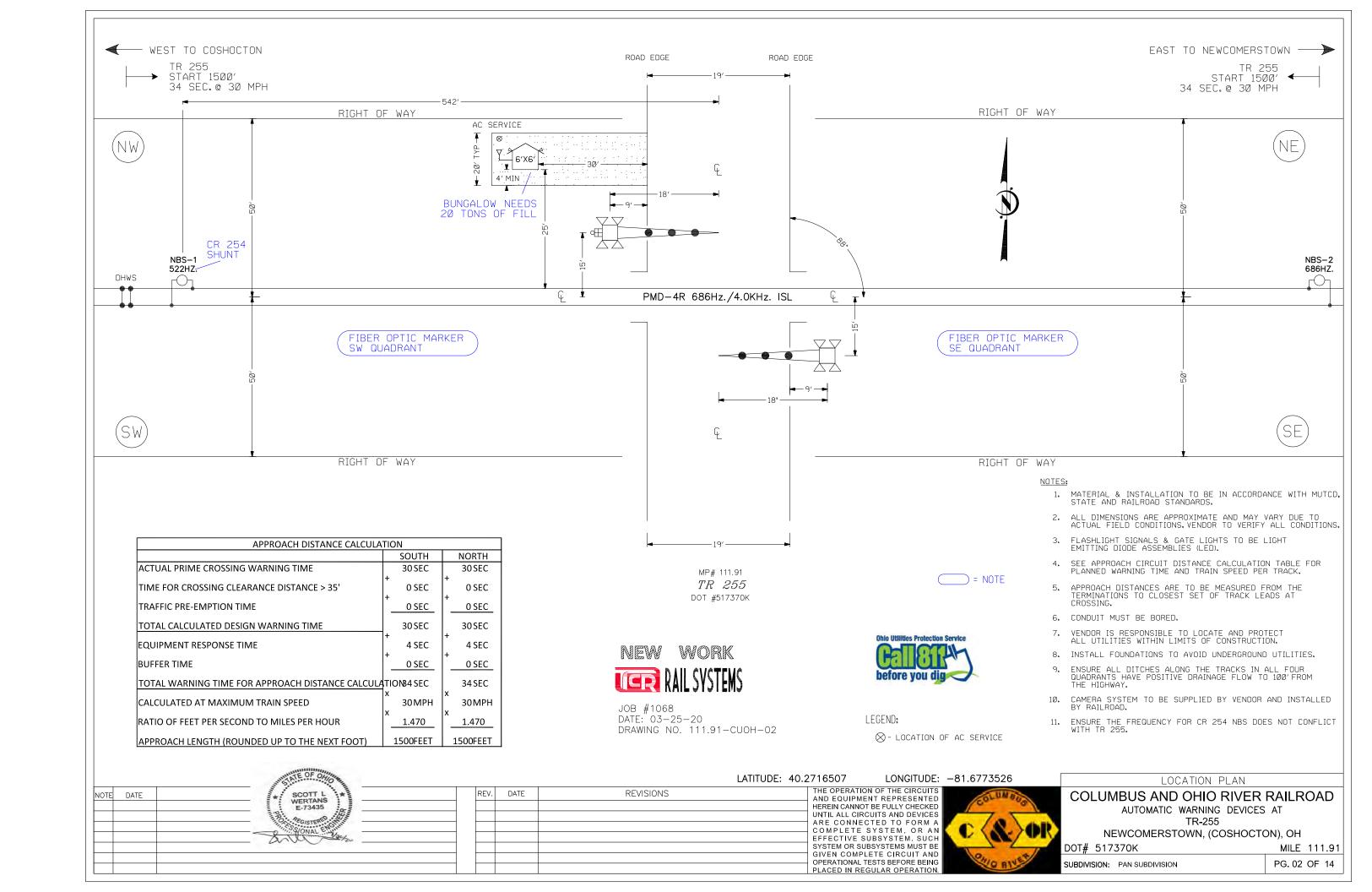
COLUMBUS AND OHIO RIVER RAILROAD

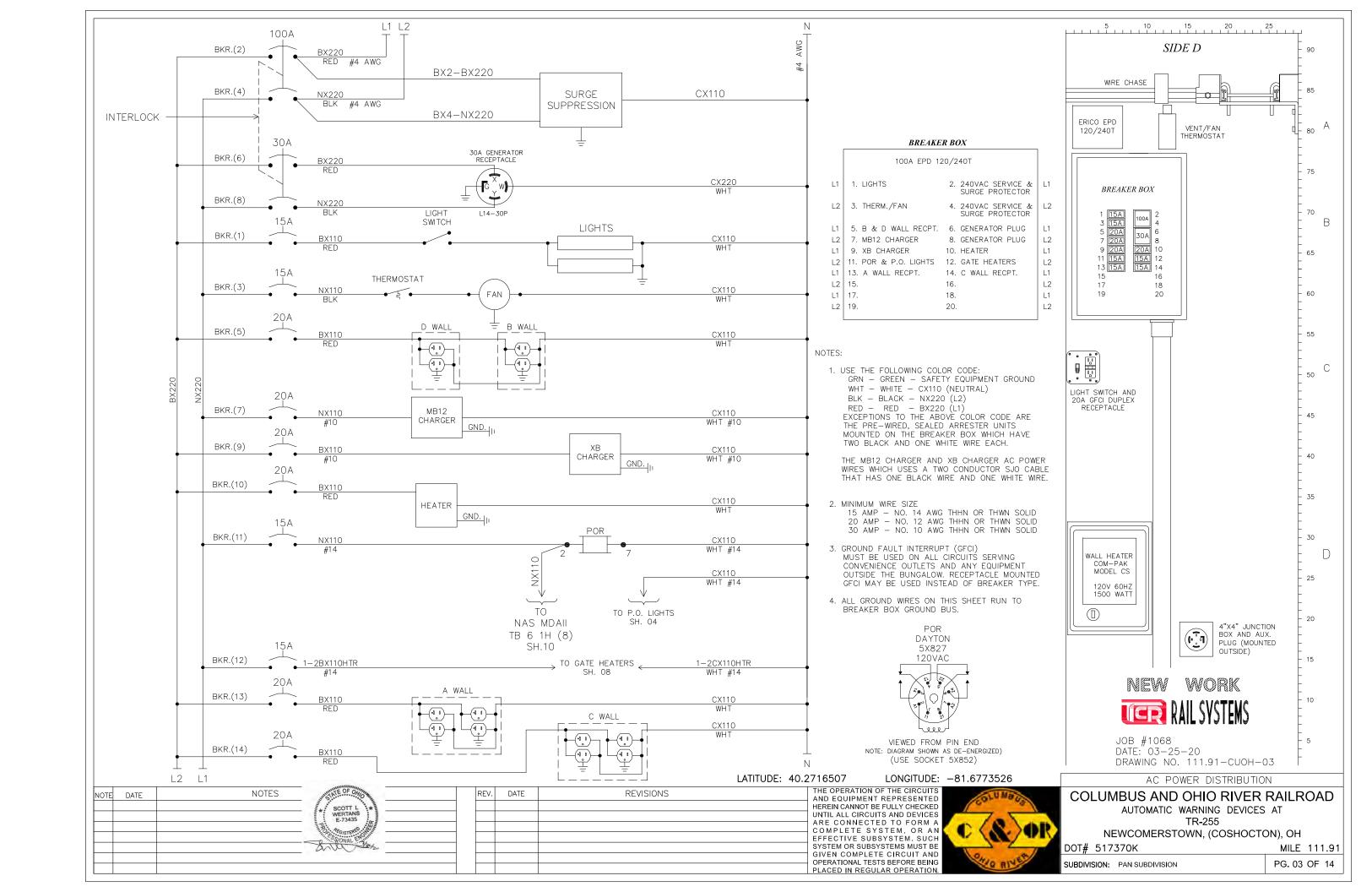
AUTOMATIC WARNING DEVICES AT TR-255

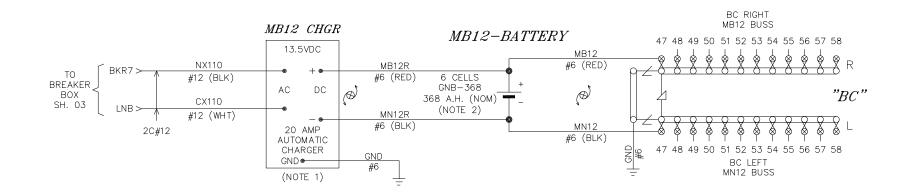
NEWCOMERSTOWN, (COSHOCTON), OH DOT# 517370K MILE 111.91

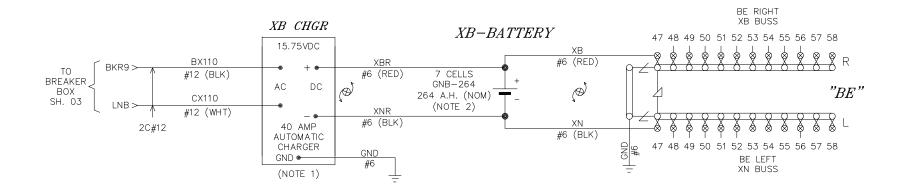
SUBDIVISION: PAN SUBDIVISION

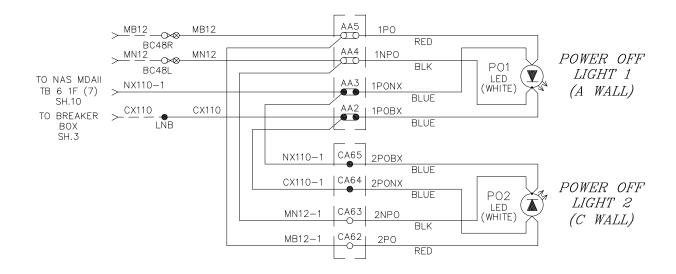
PG. 01 OF 14











LEGEND:

○── - TEST TERMINAL

/ – EQUALIZER

∠ - ARRESTER TO GROUND

W - TWISTED WIRE 2 TURNS PER FOOT

– INSULATED NUT

NOTES:

1. USE 120 VOLT SETTING.

2. USE 1/4" TERMINALS AT BATTERY CONNECTIONS.

TATE OF	NOTI	DATE		NOTE
SCOT				
SCOT WERT E-734				
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REV.	DATE	REVISIONS

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LATITUDE: 40.2716507



NEW WORK

RAIL SYSTEMS

JOB #0993 DATE: 10-03-19 DRAWING NO. 277.68-LIMA-04

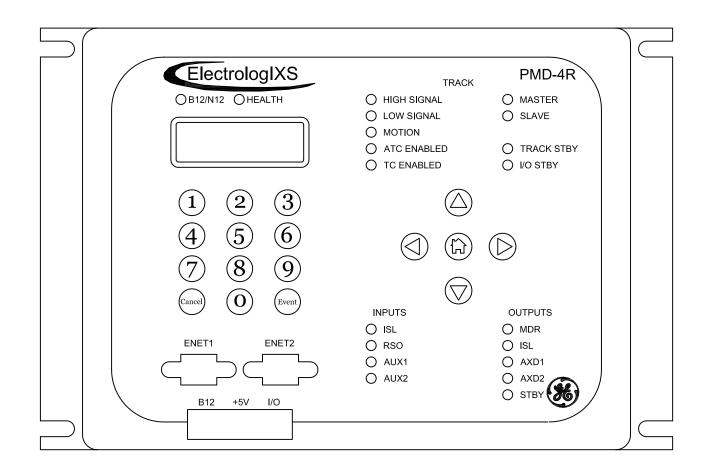
BATTERY AND P. O. CIRCUITS

COLUMBUS AND OHIO RIVER RAILROAD
AUTOMATIC WARNING DEVICES AT

AUTOMATIC WARNING DEVICES AT TR-255 NEWCOMERSTOWN, (COSHOCTON), OH

DOT# 517370K MILE 111.91

SUBDIVISION: PAN SUBDIVISION PG. 04 OF 14



BALLAST COMPENSATION

COM	PENSA I	ION
1	FREQ	ВС
1	86 Hz	122
2	114 Hz	125
3	151 Hz	129
4	156 Hz	129
5	172 Hz	130
6	210 Hz	133
7	211 Hz	133
8	267 Hz	137
9	285 Hz	138
10	326 Hz	141
11	348 Hz	142
12	392 Hz	143
13	430 Hz	145
14	452 Hz	145
15	522 Hz	147
16	525 Hz	147
17	560 Hz	148
18	630 Hz	148
19	645 Hz	149
20	686 Hz	149
21	753 Hz	149
22	790 Hz	149
23	816 Hz	149
24	881 Hz	149
25	970 Hz	150
26	979 Hz	150

PMD-4/4R Power Connectors

Conne	ectors
PMD-4R/4R	J1 PIN OUTS
1	2
B12	N12

PMD-4R J16, J17, and J18 Connectors

	PMD-4R J16 PIN OUTS											
1	2	3	4	5	6	7	8	9	10			
TX+	N/C	TX-	N/C	RX+	N/C	RX-	N/C	MDR+ Out	MDR- Out			
	PMD-4R J17 PIN OUTS											
1	2	3	4	5	6	7	8	9	10			
ISL+	ISL-	N/C	AX01+	AX01-	N/C	AXO2+	AXO2-	N/C	ISL+			
Out	Out	147.0	Out	Out	17/0	Out	Out	1470	ln			
			PM	D-4R J1	8 PIN OL	JTS						
1	2	3	4	5	6	7	8	9	10			
ISL-	N/C	RSO+	RSO-	N/C	AUX1+	AUX1-	N/C	AUX2+	AUX2-			
In	IN/C	In	In	14/0	In	In	11/0	In	In			

PMD-4R J19 Connectors

PMD-4R J19 PIN OUTS							
1	2	3	4	5	6		
MS+	MS-	MS+	MS-	STBY- Out	STBY+ Out		

PMD-4/4R Front Panel Fuses

F7 - 10A MAIN POWER FUSE

F1 - 7.5A +5 VOLT POWER FUSE F3 - 3A INPUT OUTPUT MODULE FUSE

PMD-4R Right Side Fuses

F5 - 4A Sandby XTI Fuse F6 - 4A Normal XTI Fuse

F2 - 3A Normal/Standby Module Fuse

PMD-4 Right Side Fuses

F4 -	4A XTI	Fuse

new work



JOB #1068 DATE: 03-25-20 DRAWING NO. 111.91-CUOH-05

PROGRAM INFORMATION

* FIELD ADJUSTMENT TO BE MADE ACCORDING TO THE PMD-4R INSTRUCTION MANUAL.

PROGRAMM	ING & SETUP	
CHASSIS ID 3	WARNING TIME CRO	12B24E16
LOCATION	TR-255	
MILEPOST	111.91	
DOT NO.	517370K	
DATE	//	
OPERATING PROGRAM	VER	CRC
EXECUTIVE SOFTWARE PROGRAM		
	VER	CRC
A PROCESSOR	7.21 Bld0217C	D9863857
B PROCESSOR	7.21 Bld0217C	94B80C99
C PROCESSOR	7.21 Bld0217C	D73DAB0E
APPLICATION PROGRAM		
NAME pmd-4r md[cw]v	CHECKSUM 3362	CRC DBCD
TAXIME PING II ING[OW]		
TRACK SETUP		
APPROACH FREQUENCY	686 Hz.	
MASTER/SLAVE OPERATION	MASTERX	SLAVE
TRANSMITTER CHECK VALUE (-7.	0 TO 13.0 OHMS)	*
APPROACH DIRECTION MODE	UNI	BI _ <u>X</u> _
LUMPED IMPEDANCE ADJUSTMENT VA	LUE (-9 TO +9)	*
AUTO RX	DISABLED	ENABLED X
FALSE SHUNT DETECT SETTING		
DISABLED <u>X</u>	ENABLED RX	TIME (MIN)
APPROACH RELEASE SETTING		
DISABLED <u>X</u>	ENABLED RX	TIME (MIN)
LOS TIME (SECONDS)		15 SEC.
APPROACH MAINTENANCE		*
PHASE COMPENSATION VALUE (0		
BALLAST COMPENSATION VALUE	(50 TO 250) T	149
ISLAND SETUP		
ISLAND TYPE	EXTERNAL	INTERNAL X
ISLAND SETUP (WHEN INTERNAL IS S	SELECTED)	
ISLAND FREQUENCY (KHz)		
0 <u>X 4</u> .0 <u>4.44.95.4</u> _	5.96.47.1 _	
ISLAND LOS (SECONDS)	5 <u>X</u> 2.0 <u>4</u> .0	
ISLAND FAULT SETTING	1 <u></u> 2	

ETHERNET PORTS: ENET1 = 192.168.0.11 ENET2 = 192.168.1.12

LATITUDE: 40.2716507 LONGITUDE: -81.6773526

NOTE DATE NOTES



REV.	DATE	REVISIONS

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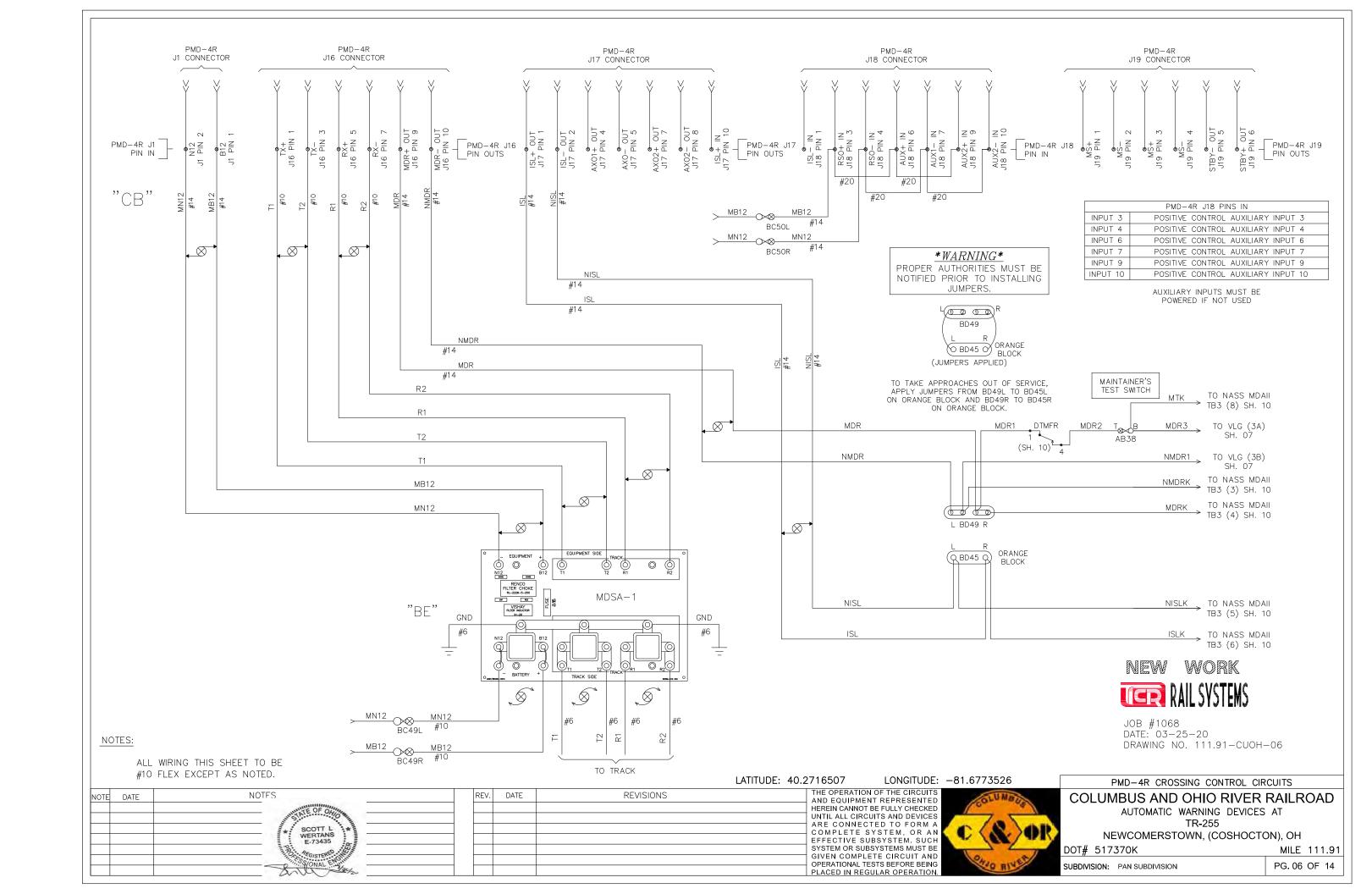
PMD-4R PROGRAMMING AND SETUP

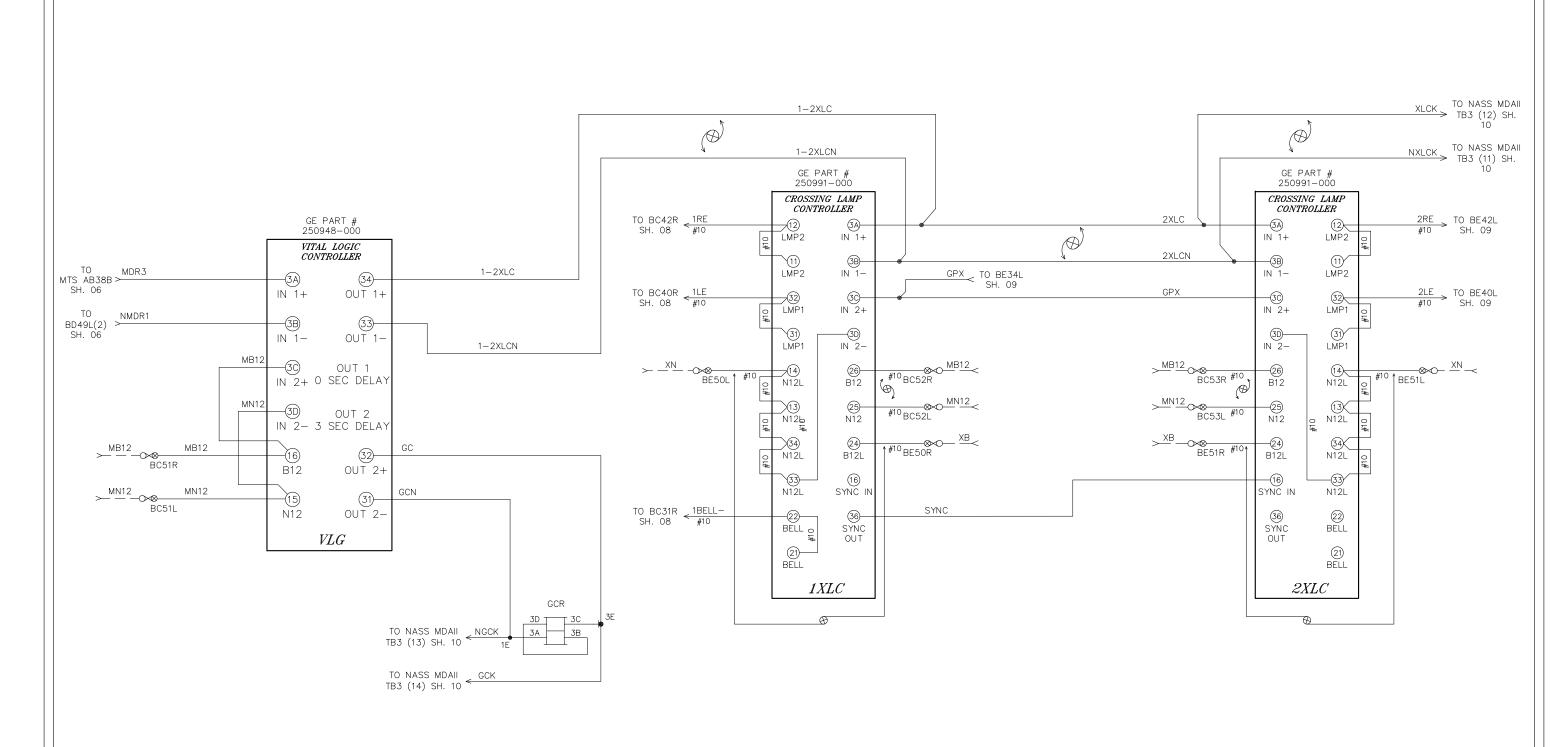
COLUMBUS AND OHIO RIVER RAILROAD
AUTOMATIC WARNING DEVICES AT

TR-255 NEWCOMERSTOWN, (COSHOCTON), OH

DOT# 517370K MILE 111.91

SUBDIVISION: PAN SUBDIVISION PG. 05 OF 14





NEW WORK RAIL SYSTEMS

JOB #1068

DATE: 03-25-20 DRAWING NO. 111.91-CUOH-07

ALL WIRE THIS SHEET IS NO. 14 FLEX UNLESS OTHERWISE NOTED.

	UNL	ESS OTHERWISE NOTED.				LATITUDE: 40.2716507
NOTE	DATE	NOTES SCOTT L WERTANS E-73435	REV	. DATE	REVISIONS	THE OPERA AND EQUIP HEREIN CAN UNTIL ALL C ARE CONN COMPLET EFFECTIVE SYSTEM OR GIVEN COM
		ONA SOL				OPERATIONA PLACED IN

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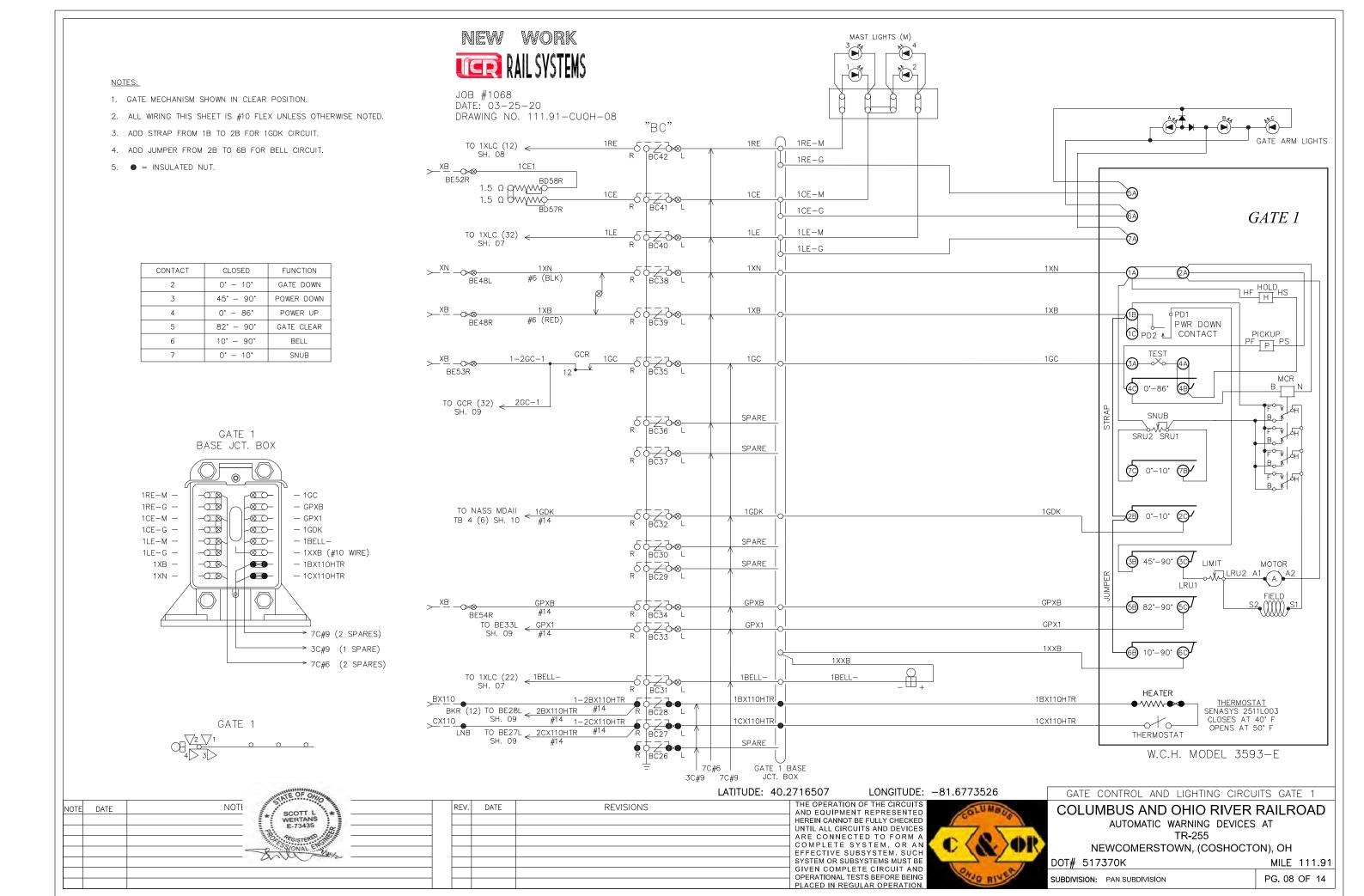
CROSSING CONTROL CIRCUITS - VLG, GCR, 1XLC, & 2XLC

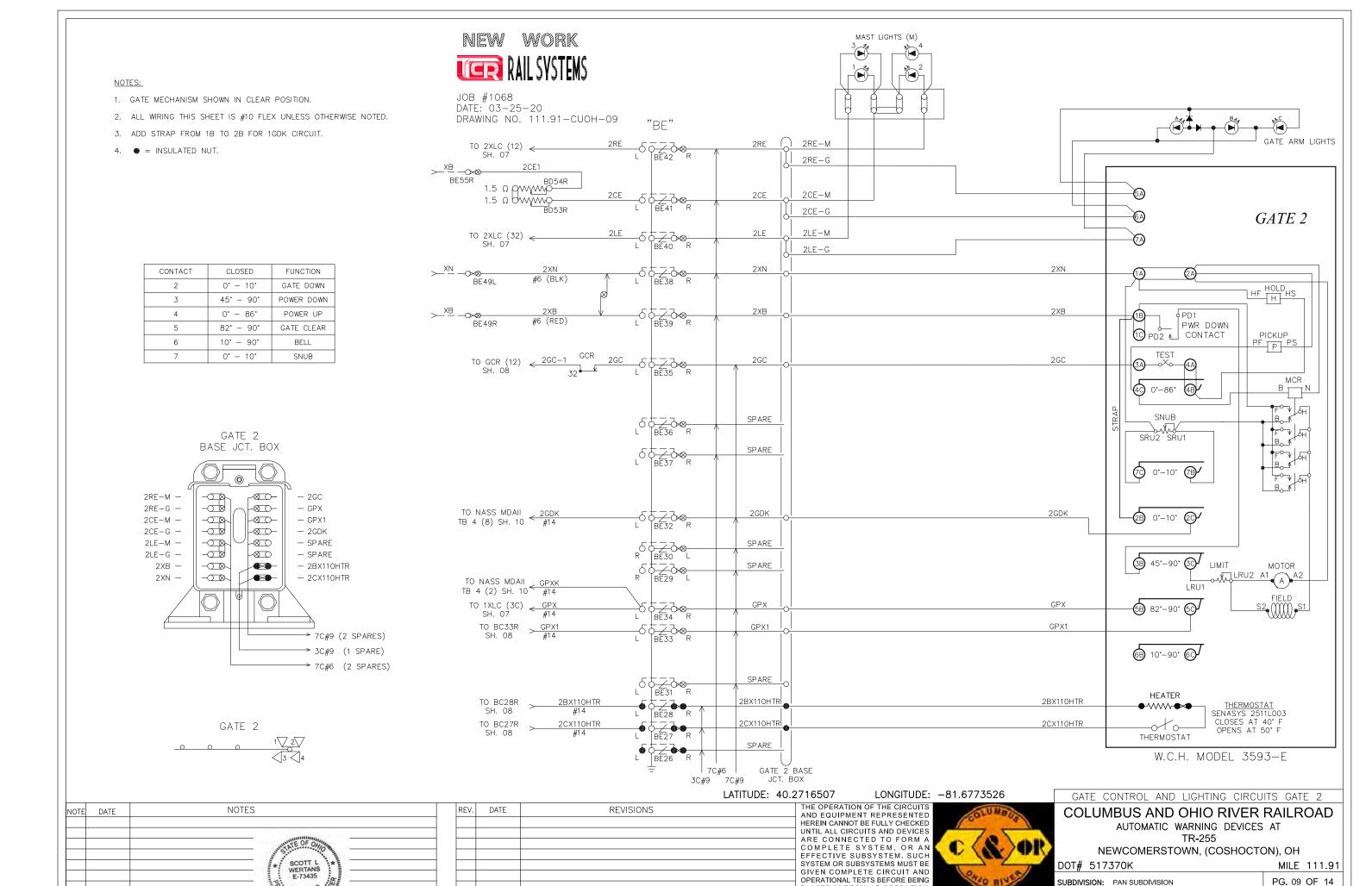
COLUMBUS AND OHIO RIVER RAILROAD AUTOMATIC WARNING DEVICES AT

TR-255 NEWCOMERSTOWN, (COSHOCTON), OH

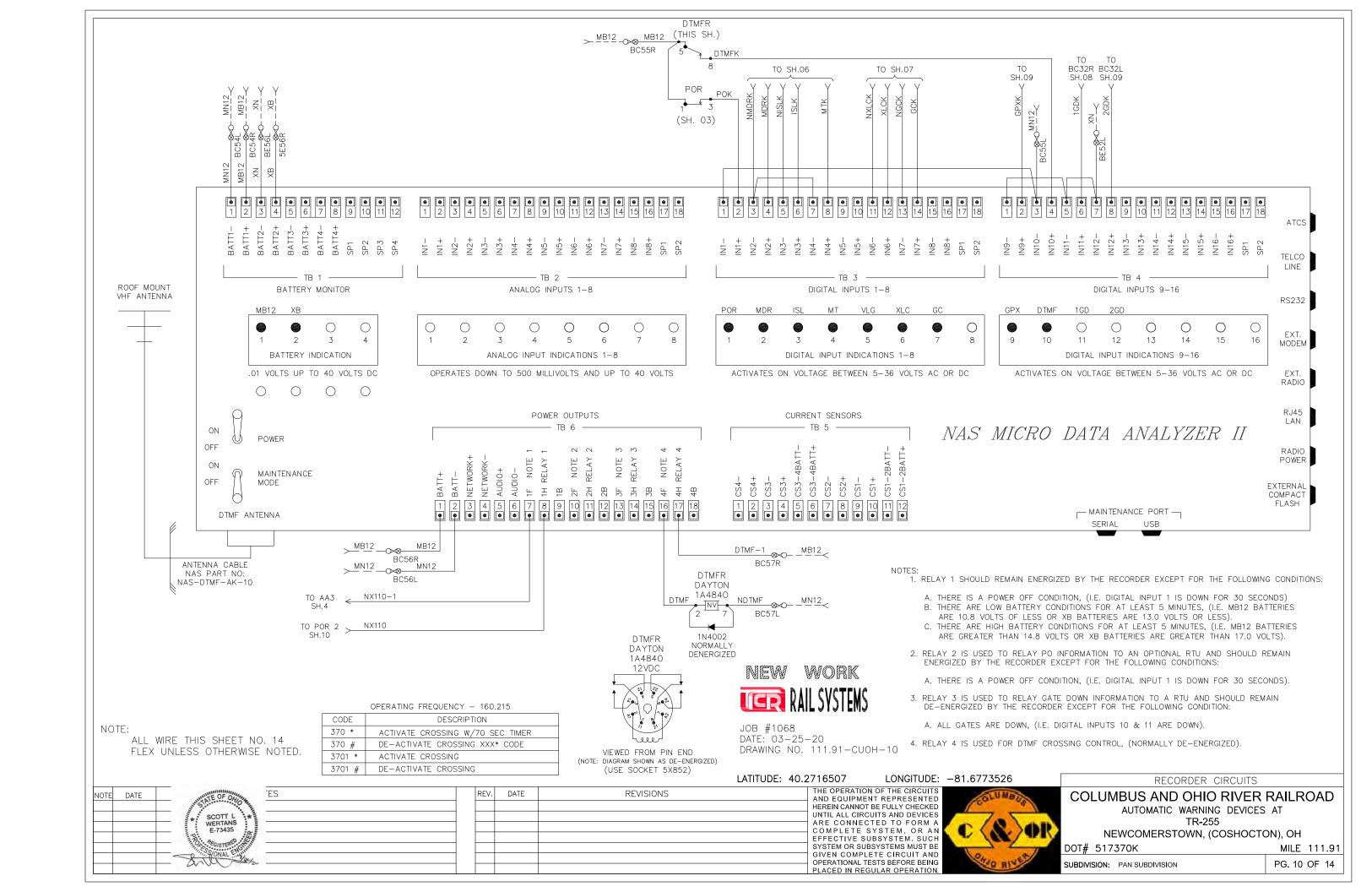
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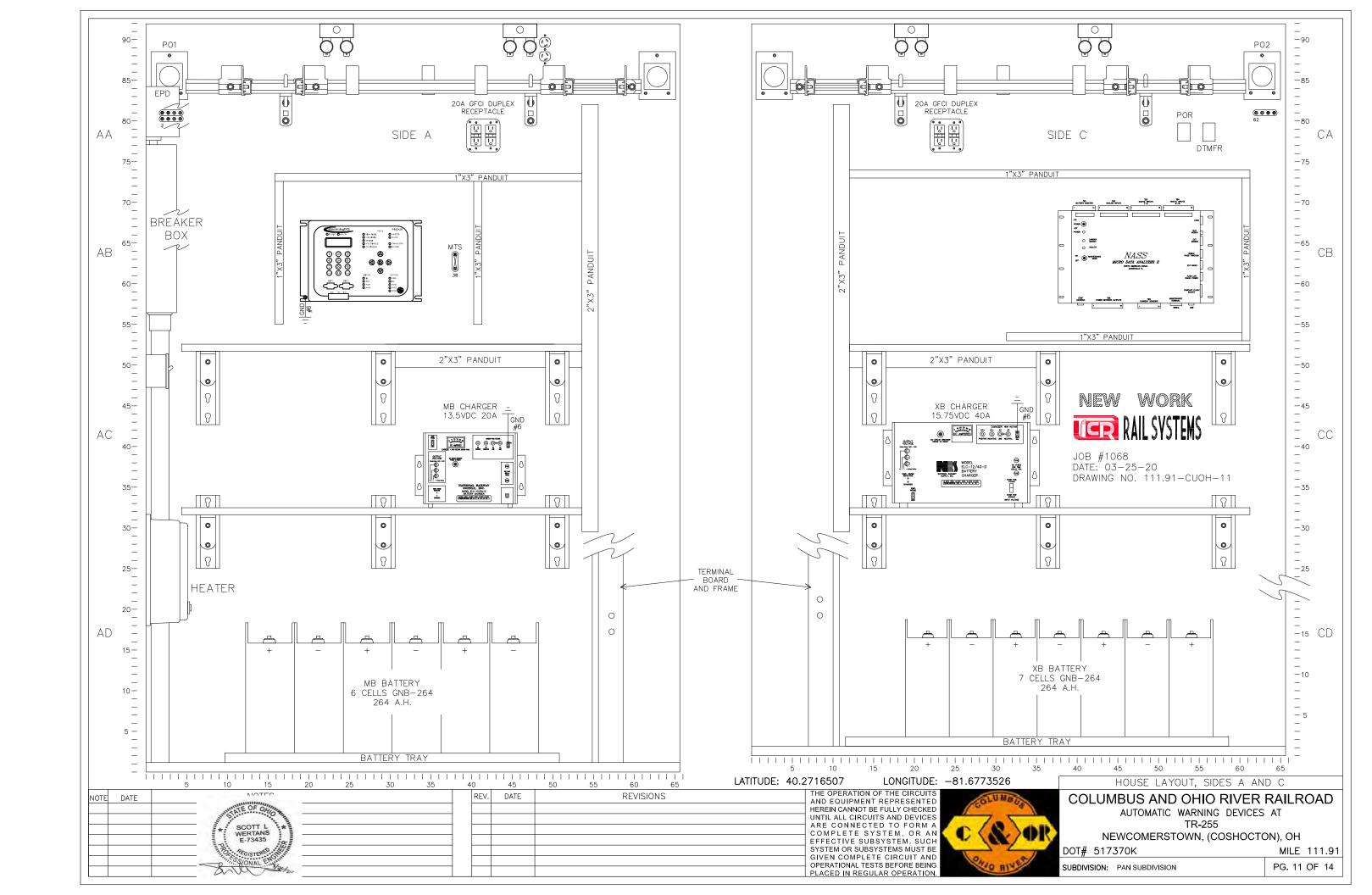
PG. 07 OF 14 SUBDIVISION: PAN SUBDIVISION

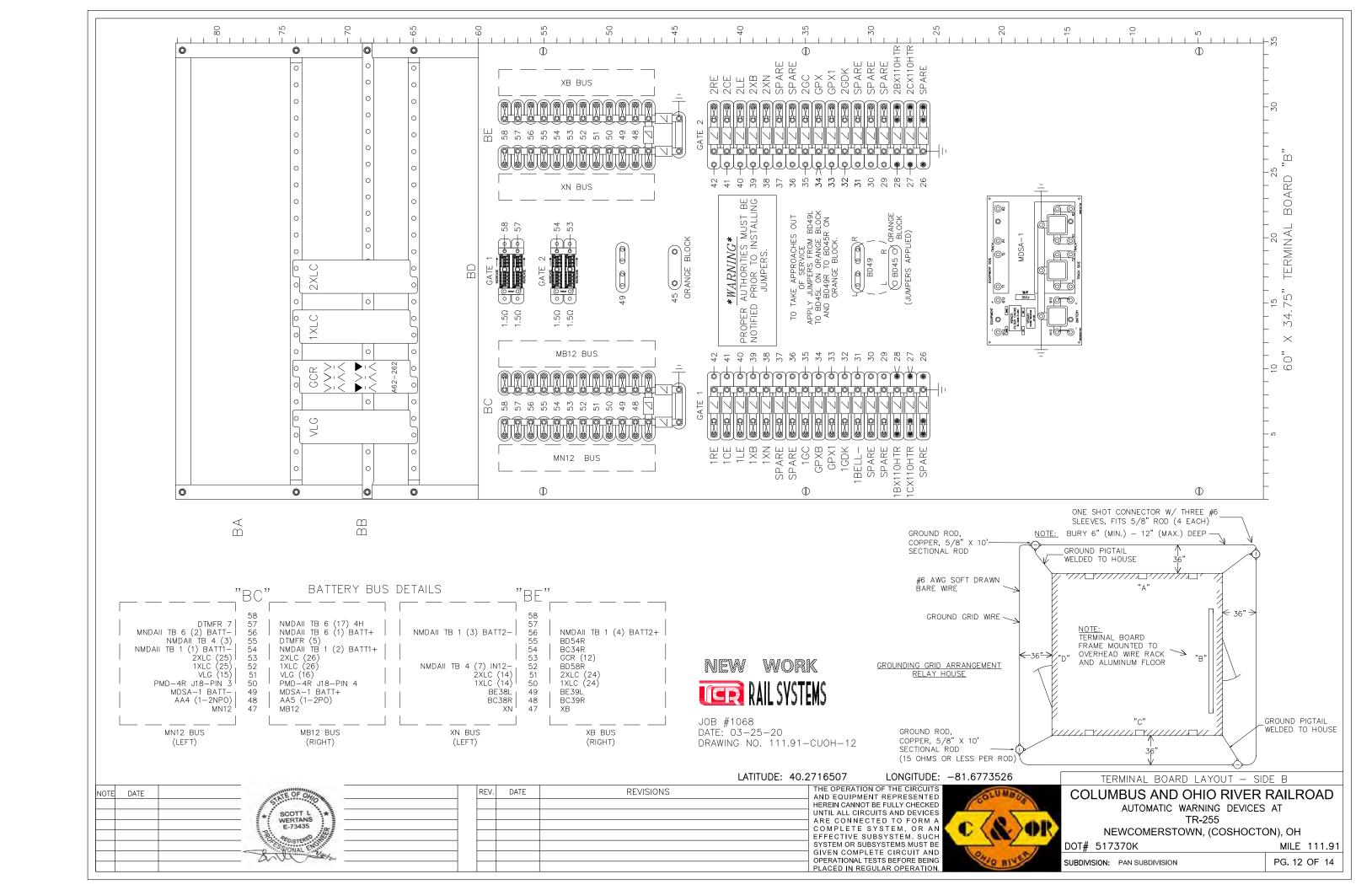


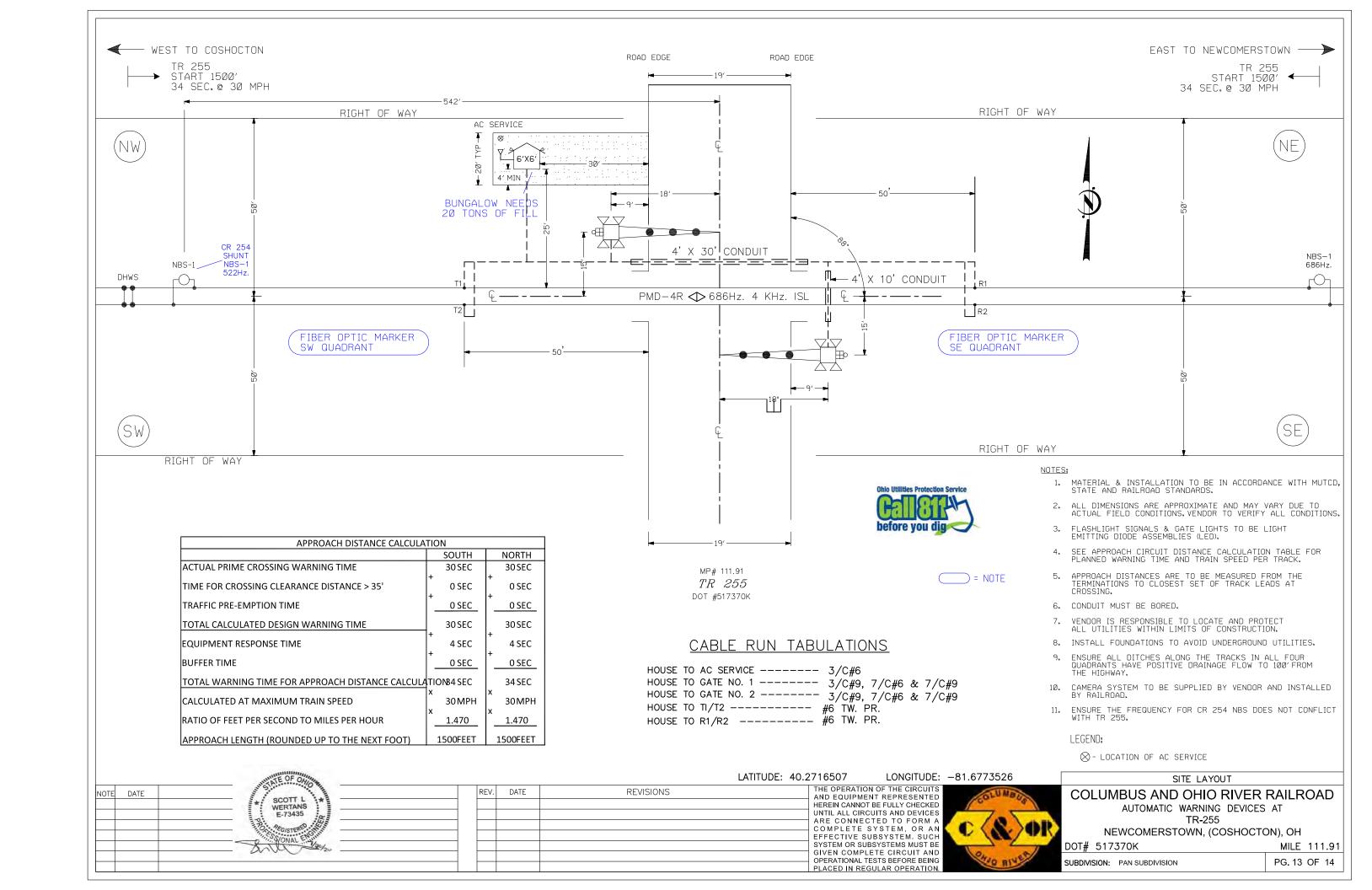


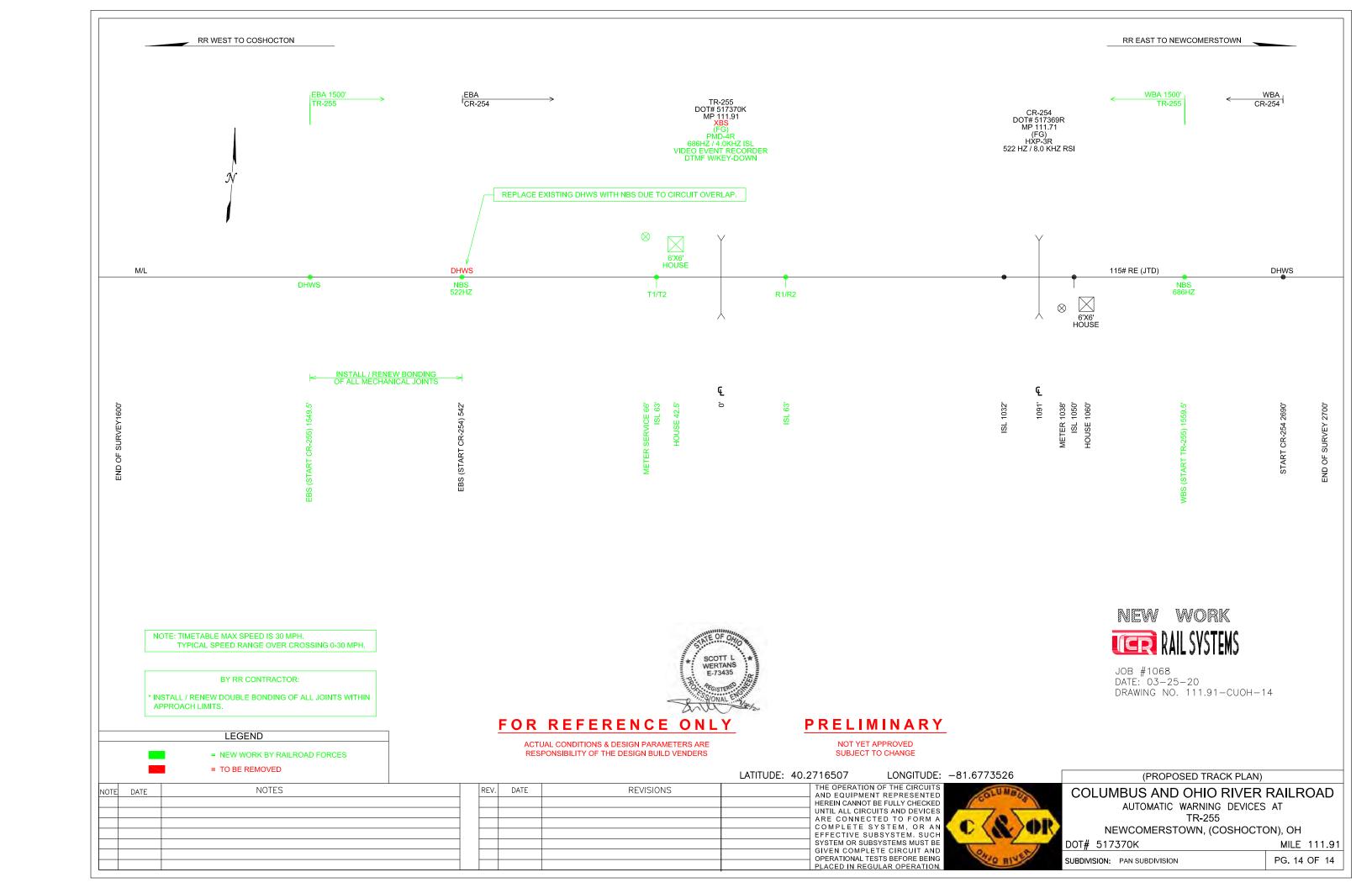
PLACED IN REGULAR OPERATION













Mike DeWine, Governor Jon Husted, Lt. Governor

Mark Policinski, Chair

August 20, 2019

Mr. Len Wagner President & Legal Official (SVP) Genesee & Wyoming/CUOH 201 N. Penn Street Punxsutawney, PA 15767

RE: PE Authorization for COS TR255 DOT# 517370K PID# 110492

Dear Mr. Wagner:

A diagnostic review was held at the above grade crossing on April 17, 2019. The crossing has been recommended for the installation of lights and gates at the Columbus & Ohio River Railroad grade crossing DOT# 513370K.

Columbus & Ohio River Railroad is authorized to proceed with the site plans and cost estimates 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. Please note that the railroad must provide ORDC with a plan stamped by a professional engineer licensed in the State of Ohio prior to acceptance and close out of the project.

The diagnostic review form is attached. Please note any recommendations (page 5), if any, made by the team about 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 Greg Gronbach. Greg Gronbach can be reached at (614) 745-6760, or Gregory.Gronbach@dot.ohio.gov, if you have any questions.

614 644 0306

www.rail.ohio.gov

Sincerely,

Project Manager

C: Randall Schumacher, Chief, Rail Division, PUCO Jill Henry, Rail Specialist, PUCO

Heather Hamilton, ORDC

ORDC (file)

Attachments: 3 (diagnostic review form, letter agreement, purchase order)



OHIO RAIL DEVELOPMENT COMMISSION

Mail Stop #3140, 1980 West Broad Street, Columbus OH 43223 Mike DeWine, Governor • Mark Policinski, ORDC Chairman

July 16, 2019

Len Wagner SVP, Northeast Region Railroads Genesee & Wyoming/CUOH 400 Meridian Center, Ste. 300 Rochester, NY 14618

Subject:

Grade Crossing Warning Device Improvement

Coshocton County, TR 225, DOT# 517370K, PID 110492

Dear Mr. Wagner:

A diagnostic review was conducted at the subject grade crossing on 4/17/2019. As a result of the review, the warning devices will be upgraded to flashing lights.

This project shall be completed in compliance with Agreement No. 0009-A dated May 28, 2001, entered into by the State of Ohio and Columbus and Ohio River Railroad (CUOH) and incorporated as if fully rewritten herein. This construction shall also meet the general terms and conditions under the Fixing America's Surface Transportation Act and subsequent amendments and the State of Ohio's Federally Funded Warning Device Program.

Preliminary engineering (PE) and construction costs shall be borne one hundred percent (100%) by ORDC. Reimbursable costs will be limited by the ORDC based on approved estimates and bid tabulations, if applicable. These limits will be quantified by the ORDC in its construction authorization to CUOH and may be amended by the ORDC based on revised estimates and bid tabulations.

This Letter Agreement and the approved plans constitute the scope of the project. CUOH shall notify ORDC in writing of any changes in the scope of work which are not in the approved plans and estimates and secure approval in writing of same before the work is performed.

PE will not be commenced by CUOH prior to ORDC issuing a PE authorization. PE and project estimate will be submitted by CUOH to ORDC within ninety (90) days or other time specified by ORDC in the PE authorization. Construction will not be commenced by CUOH prior to ORDC issuing a construction authorization. Construction will be completed by CUOH within nine (9) months or other time specified in the time specified by ORDC in the construction authorization.

Please indicate your acceptance of the terms and conditions of this Letter Agreement by signing and returning one (1) copy to me at the address listed above and retain a copy for your files. This Agreement may be executed in one or more counterparts, each of which shall be deemed to be a duplicate original, but all of which taken together shall be deemed to constitute a single Agreement.

Sincerely.

Matthew Dietrich Executive Director

0

www.rail.ohio.gov phone: 614.644.0306

IMPROVING RAIL TODAY FOR TOMORROW'S ECONOMY

Columbus and Ohio River Railroad:

By: Leonard War

Title: Resident

Date: 8/1/19

COS TR 225 CUOH 110492 517370K

ORGANIZATION

3) Fatty Rausch) GIZZZ GRONBACH 4) alla Mess 5 6 6 S) Gove Hewsloy

> arford Oxford Buce ORDC

> > 614-466-1150 614-466-1150 242 sato

GREGORY, GRONDACK Q DOT, UHIO

Prove #

SHAWA- ZURGENT O PUCG. ONTO. BON

412 - 202 - 2014

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

Date: 4/17/2019

Location Dat	a				
Street or Road Na	ame:		TR 255	7	
County:	County: Coshocton		ord Township	US DOT No.:	517370K
City (in or near): near Newcomerstown		Railroad Name:	CUOH	RR Milepost:	111.91
Safety Data (Obtain crash report	s, if possible)			
		Initial Information	on (from database)		Revised
Number & dates of vehicle crashes in previous 5 years:		N	N/A		
Number & dates of crashes in previou	of pedestrian/bicycle us 5 years:	١	N/A		
Hazard Ranking:	2342	Date Run:	01/15/2019		1

Type of Warning Devices	Installed?	Quantity/Comments
HIGHWAY		
Advance Warning Signs (condition?)	ĭYes □ No	POOR
'Stop' Signs	¥Yes □ No	10.51
'Stop Ahead' Signs	☐ Yes 赵No	
Pavement Markings (condition?)	☐ Yes	CHIP SEAL PAVEMENT
Dynamic Envelope Markings (condition?)	☐ Yes ☑ No	CHE THEATEN
Illumination	☐ Yes ☑ No	
'No Turn' Signs (highway/passive)	☐ Yes ☑ No	
Barriers/fencing (pedestrian/bicycle)	☐ Yes ✓ No	
LOOK Sign	☐ Yes	
Do Not Stop On Track Sign	☐ Yes ☑ No	
RAILROAD		
Crossbucks	ĭYes □ No	2
Crossbucks – assembly with Stop		2
Crossbucks – assembly with Yield	☐ Yes Yo	
Mast-Mounted Flashing Lights	□ Yes ☑ No	
Cantilever Flashing Lights	☐ Yes ☑ No	Number: Length:
Side Lights	☐ Yes	
LED or Incandescent Lights? Size?	☐ Yes	
Automatic Gates	☐ Yes No	Number: Length:
Bells	☐ Yes	Number:
Sidewalk/Pedestrian Gate Arms	☐ Yes	Number: Length:
'No Turn' Signs (railroad/active)	☐ Yes ☑ No	
Is crossing flagged by train crew?	□ Yes 🖾 No	
OTHER	☐ Yes ☐ No	

	Passenger Transit Shared Use Transit Co	mmuter Tourist/Other
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	4	
< I per day? Trains per week		
Day thru trains	2	
Night thru trains	1	
Switching	1	
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks	0	
Maximum train speed	30	
Typical train speed	30	
Amtrak	0	
Are there other track(s) crossing this s	ame roadway within 100ft of this crossing?	☑ 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 occ	cupy crossing at the same time? Yes No	
Can one train block the motorists'	view of another train at the crossing? Yes (explain	n below) 🖾 No
Can one or more tracks be eliminat	ed through the crossings? 🗆 Yes 📈 No	
Comments:		
Circuitry: Constant Warning Time	☐ Motion Detection ☐ AFO ☐ PTC ☐ DC	Other NONE

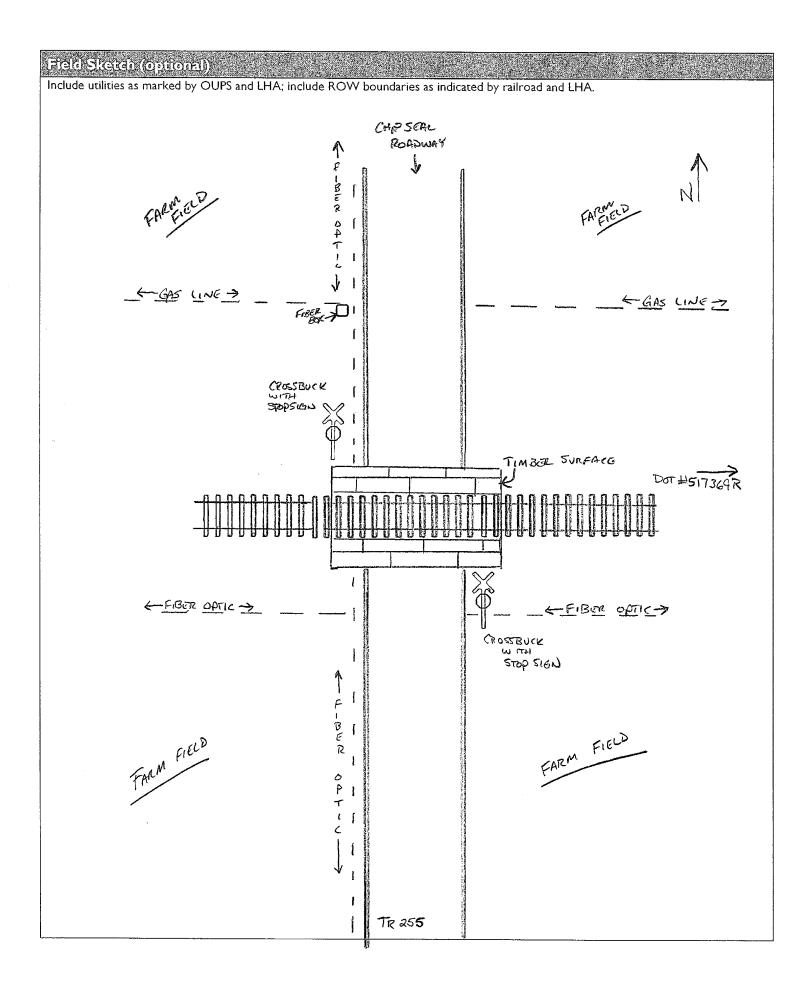
Roadway Data			THE SHOOT SHOW	
Local Highway Authority:	Oxford Township			
Roadway Characteristics	Initial Informatio	n (from database)	Revised	
Average Daily Traffic	3	06		
Highway Paved	☑ Yes ☐ No		□ Yes □ No	
Roadway Surface: 🗹 Blacktop 🗆 Gravel 🗓	Concrete Other		4	
Roadway width (paved/travelled way):	19' ft			
Number of Highway Lanes		2		
Urban or Rural	Rural - Min	or Collector		
Vehicle Speed: 55 MPH				
School Bus Operation: Yes 🛮 No	Amount 2	2.0650	OUD GLEMENTARY YMI WES	
Location of nearby schools:	Atronous Son			
	No Amount (fro		LHA verified/changed?	
Shoulders: ☐ Yes ☐ No				
	o If yes, shoulder widt	h: ft.		
Is there existing guardrail along the roadway				
Crossing Angle □ 0-29° □ 30-59° ☑ 60-9	COLUMN COMPANY OF SOME THE RES			
Quadrant NW Curb & Gutter:		Quadrant 5E	Curb & Gutter:	
☐ Functional (Curb height = 4" or more)		☐ Functional (Curb I	height = 4" or more)	
☐ Non-functional (Curb height = less than 4	")	□ Non-functional (Curb height = less than 4")		
⊠ None		M'None		
Is there a nearby intersection that could caus	e queuing over the cros	ssing? 🗆 Yes 🛛	No .	
If yes, distance				
Is this intersection signalized? Yes	□ No			
Are there signals currently interconnected w	ith the existing crossing	warning devices?	Yes & No	
Is there a 'Do Not Stop on Track' sign?	Yes Ø No			
Is a roadway improvement project (e.g. wide location in the foreseeable future? Yes	ning, turn lanes, nearby	new or upgraded traffic	signal, sidewalk) planned at or near this	
If yes: Improvement type	Lead Agency	Т	imeline/completion	

Pedestrian & Bicycle Data	
Regular pedestrian usage: 🗡 es 🕷 No Vol	umes: ○ Cocasional □ <20 □ 20-60 □ >60
Is sidewalk present in the approach? 🗆 Yes 💢	No Quadrants:
Does crossing surface accommodate pedestrians? \Box	Yes X No
Both sides of roadway? 🗆 Yes 📜 No If no,	which side is paved? NETTHERE IS PAVED
Pedestrian generators in close proximity (e.g. schools,	sports/entertainment venues)? 🗆 Yes 💢 No
Comments: RURAL AREA - ALL FA	an fields
Regular bicycle usage: Yes	
■Roadway □ Dedicated Lane (on street) □ □ □ Bikes must use sidewalk	Dedicated Path (off street)
Future plans for pedestrian or bicycle routes?	×Νο
Comments:	
Utility Information	
Is commercial power available? ☐ Yes ☑ No	delications in the Scholarge Co. 1 all co. 1 and
Utility Provider (Company Name) FRONTIER	POWER + AGP
Nearest Available Power Source CROSSING	
What other utilities are present? ☐ Gas ☐ Cable ☐ Petroleum ☐ Water ☐ Sanitary Sewer ☐	☐ Telephone ☐ Tel
Comments:	
Surface	W. C.
Surface review form completed? ☐ Yes 💆 No	SURFACE IN VENY GOOD CONDITION
	Softwee In ferri Groop Coupling
Sight Preview (REFER TO TABLES)	Mary Mark English Wallson Supplier of Parket 19
K SUBSECTION OF BANCHER	
If non-gated crossing, is clearing sight distance adequate	
	Yes 🗆 No If no, which quadrant?
When considering recommendations for bicycle treatm	
Bicycle sight distance adequate? 🛛 Yes 🗆 N	
When considering recommendations for pedestrian tre	atments:
Pedestrian sight distance adequate? 'S 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):
NA
$\mathcal{N} \setminus \mathcal{H}$
Crossing Consolidation or Closure:
NO
No
Real Estate or ROW:
ND
Culvert / Drainage / Ballast Conditions:
NO
No
Roadway and/or Sidewalks:
ND
Circuitry (e.g. reaches out to other crossings, specific needs, etc.):
MAY OVERLAD WITH CROSSING TO THE EAST. DOTH 5173697 (CR254)
DOTH 5173697 (cr254)
Environmental:
\ \n \
N_0
Utilities:
PIBELL OPTIC IN BOTH SE + NEW QUADS
Pitter CT
Other:

Pr	tential Closure				
- Is i	t the consensus of the Diagnostic Rev	iew Tea	m that this is a potential closure project	? NO	
Ex	olain reasons: DISCUSSED	(1)	PAST - NEGATIVE		FROM

NOW SUSSIMPLE MEANING AND AUTOMOSPHING SAND
Quadrants Needed
Quadrants (Accord
1
-11 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
T#517369R
•
led above)
□Sidewalk (specify)
□LOOK Sign (R15-8)
□Illumination
□ Channelization
□ Fencing/barriers
nted at the diagnostic must have at least one signature/initial
Λ.
nted at the diagnostic must have at least one signature/initial
Λ.
Λ.



Clearing Sight Distances

Maximum Authorized Train	Distance (dT) Along
Speed	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 <u>non-gated crossings</u> 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

	Distance (dH) Along Roadway
Highway Vehicle Speed	from Crossing (ft)
	Trom Crossing (ic)
0	n/a
5	50
5	20
10	70
15	105
20	135
	1,55
25	180
20	225
30	225
35	280
40	340
ΔF	410
45	410
50	490
_	
55	570
60	((0)
00	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 Sig	ght Distar	nce from Sto	p Positio	n*		T	
✓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
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
(302)	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

11/6/2020 7:52:26 AM

in

Case No(s). 20-1657-RR-FED

Summary: Application In the Matter of a Request for the Installation of Active Warning Devices at the Columbus & Ohio River Railroad Crossing, DOT#517-370K, TR 255 in Coshocton County, Ohio. electronically filed by Mrs. Jill A Henry on behalf of PUCO/Rail Division