## Memo

To:	Docketing	Division
10.	DUCKEUNG	DIVISION

From: Jill Henry, Chief, Rail Division

**Cc:** PUCO Legal Department

**Date:** 5/9/2022

**Re:** PUCO Case No. 22-490-RR-FED- In the Matter of a Request for the Installation of Active Warning Devices at the Chicago Ft. Wayne & Eastern Railroad Crossing, CR 108D, DOT#532-626Y in Wyandot County, Ohio.

On February 8, 2021, the Ohio Rail Development Commission (ORDC) authorized funding for Chicago Ft. Wayne & Eastern Railroad to install lights and gates at CR 108D, DOT#532-626Y, in Wyandot County, Ohio. The crossing was surveyed, on July 28, 2020, and found to warrant the upgrade. The electric utility provider for this crossing is AEP-Ohio.

The project will be paid for with federal funds and is actual cost. The plans and estimates in the amount of \$253,449.00 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:

Genesee & Wyoming Railroad Services, Inc. Dale Summers AVP Engineering Northern 47849 Papermill Road Coshocton, OH 43812

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

Wyandot County Engineer Michael Kohl County Engineer 320 N Warpole Street Upper Sandusky, OH 43351

**AEP-Ohio** 

#### 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:	Wyandot County, County Road 108D. DOT #532-626Y, PID 113988
DATE:	March 25, 2022

The Public Utilities Commission of Ohio (PUCO) established a diagnostic survey at the subject location on July 28, 2020. 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 the 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 <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.

Attachment: Diagnostic Review PE Authorization Plan & Estimate Letter Agreement

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



Rail Development Commission

Mike DeWine, Governor Jon Husted, Lt. Governor Scott Corbitt, Chair

March 25, 2022

Mr. Dale Summers Chicago, Ft. Wayne & Eastern Railroad 2715 Wayne Trace Ft. Wayne, IN 46803

#### RE: Wyandot County, CR108D, DOT#532-626Y, PID#113988

Dear Mr. Summers:

The bid process for the referenced project is acceptable. Chicago, FT. Wayne & Eastern Railroad (CFE) may proceed with the construction of the proposed grade crossing warning system in accordance with the abbreviated plan stamped 2/23/22 and estimate dated 2/24/22. 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 \$253,449.00. 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 CFE accepting the following instructions:

- 1. CFE'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 at Jill.henry@puco.ohio.gov. CFE'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. CFE 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 CFE.
- 3. CFE's project foremen will notify James Tucker at 614-398-6897 (telephone) or <u>james.tucker@dot.ohio.gov</u> (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. CFE shall send copies of each partial bill to <u>ORDC.Invoice@dot.ohio.gov</u>. Please find the enclosed ODOT Purchase Order to reference when billing.
- 6. CFE 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,

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James Tucker Project Manager

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

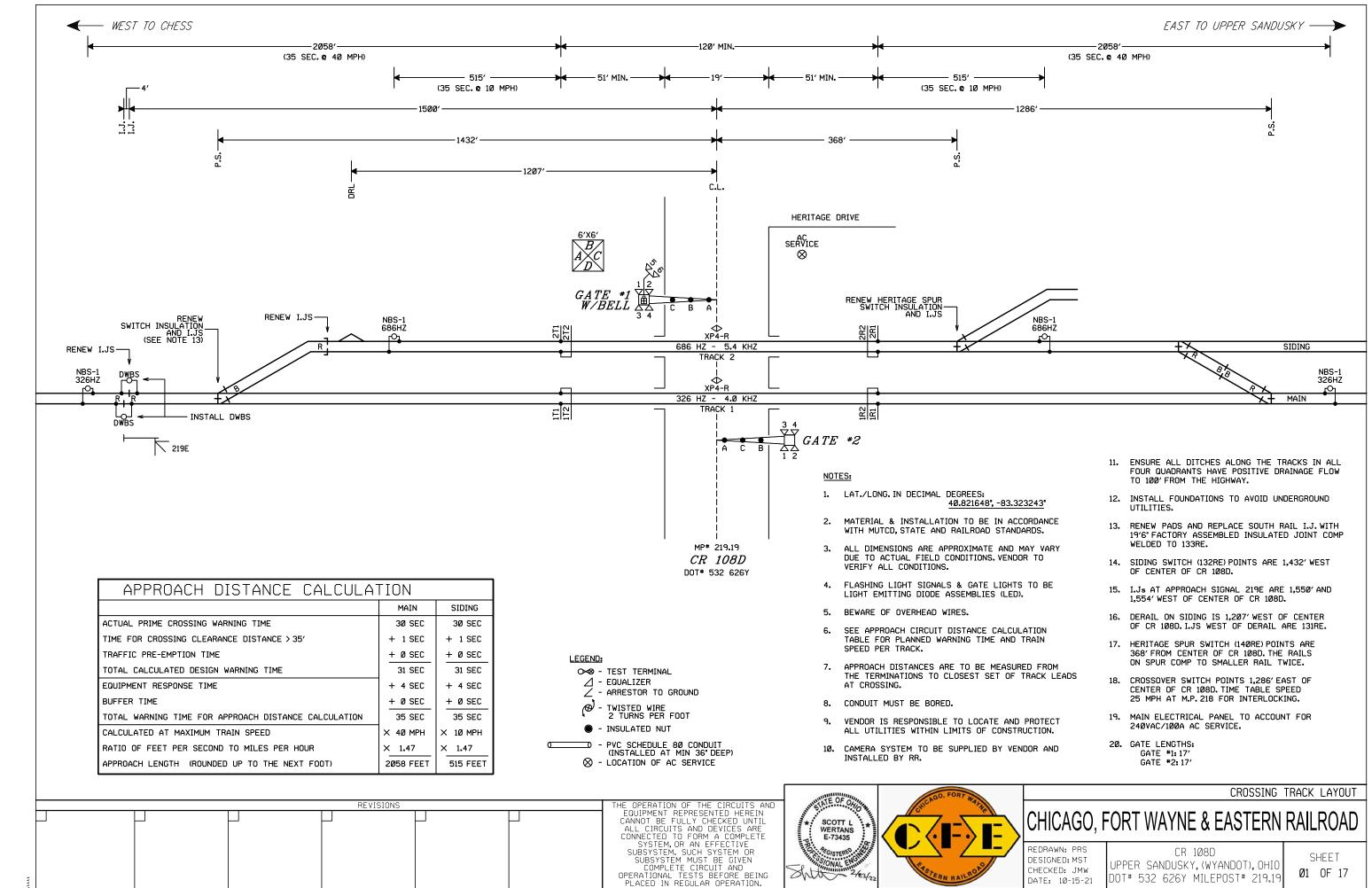
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DATE:	02/09/21	REVISED:	02/24/22	DATE:	02/24/22	

### $\bigcirc$ CHICAGO, FORT WAYNE & EASTERN RAILROAD $\bigcirc$ CR 108D UPPER SANDUSKY, (WYANDOT), OHIO DOT# 532 626Y MILEPOST# 219.19 Ο Ο REVISIONS E OPERATION OF THE CIRCUITS AN EQUIPMENT REPRESENTED HEREIN SCOTT L WERTANS E-73435 CANNOT BE FULLY CHECKED UNTIL ALL CIRCUITS AND DEVICES ARE CONNECTED TO FORM A COMPLETE SYSTEM, OR AN EFFECTIVE SUBSYSTEM MUST TESTS BEFORE BEING

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Ì	Ø1	CROSSING TRACK LAYOUT
Ì	Ø2	XP4 CIRCUIT PLAN
ĺ	ØЗ	XP4 PROGRAM
Ī	Ø4	XP4 VITAL PROGRAM LOGIC
	Ø5	XTI-IS CIRCUITS
	Ø6	VIO-44R CIRCUITS
	Ø7	IXC-2ØS CIRCUITS
Ì	Ø8	XIP-20 CIRCUITS
İ	Ø9	DATA RECORDER CIRCUITRY
	1Ø	GATE LIGHTING CIRCUITRY
	11	GATE MECH CIRCUITRY
	12	DC POWER DISTRIBUTION
	13	SIDE D DETAIL - AC POWER DISTRIBUTION
	14	SIDE B DETAIL - TERMINAL BOARD
	15	SIDE A DETAIL
	16	SIDE C DETAIL
	17	TRACK AND CABLE LAYOUT
	18	
	19	
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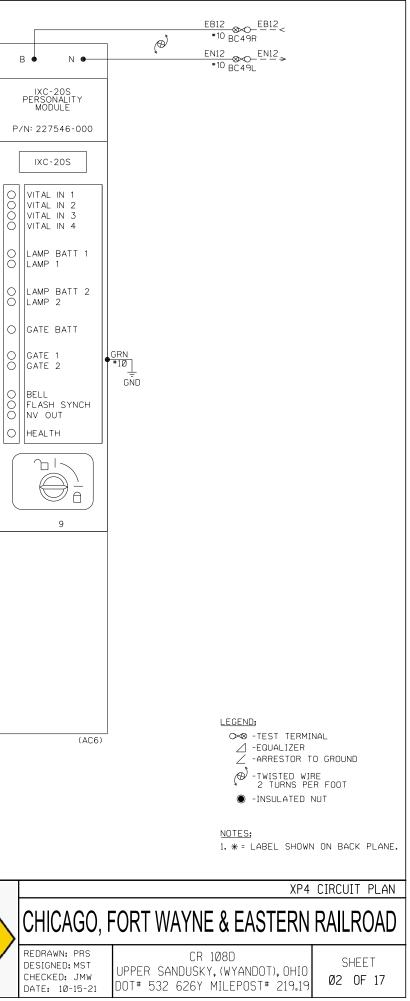
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DATE: 10-15-21

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#### NOTE:DL = DEFAULT LEVEL NA = NON APPLICABLE

		MDR .	SETUP		
MDR	#	MD	R 1	MD	R 2
WARNING	TIME	31 9	SEC.	31 9	GEC.
CW/M	D	C	W	С	W
AUX RECVE	R DLY	5 5	SEC.	5 5	SEC.
ADV-PRE	TIME	ØS	SEC.	ØS	SEC.
CWE-W	TT	80	SEC.	80	SEC.
TRACK	#	TK1	TK2	TK1	TK2
TRACK ASSIGNED		ASSIGNED	NOT ASSIGNED	NOT ASSIGNED	ASSIGNED
OFFSET DIS	STANCE	Ø FT.	NA	NA	Ø FT.
MD REST	ART	*0	NA	NA	*0
SUDDEN SHU	NT ZONE	0	NA	NA	Ø
DOCITIVE	PSEN	DISABLE	NA	NA	DISABLE
POSITIVE START	PSRX	0	NA	NA	Ø
	PST	Ø MIN.	NA	NA	Ø MIN.
DOCT	PJEN	DISABLE	NA	NA	DISABLE
POST JOINT DET.	PJRX	15	NA	NA	15
DE LI	PJDT	15 SEC.	NA	NA	15 SEC.
CLEAR	CJ	STANDARD	NA	NA	STANDARD
JOINT	CJRX	15	NA	NA	15
	CJT	99 SEC.	NA	NA	99 SEC.

VITAL I/O									
SLOT 8 INPUTS									
INPUT #	NAME	FUNCTION							
INPUT 1	S8_IN1_AUX1	AUX/CWE For MDR1 & MDR2							
INPUT 2	S8_IN2_AUX1	AUX/CWE For MDR1 & MDR2							
INPUT 3	S8_IN3_00S	OUT OF SERVICE							
INPUT 4	(NOT USED)	(NOT USED)							
	SLOT 8 OU	TPUTS							
OUTPUT #	NAME	FUNCTION							
OUTPUT 1	S8_OUT1_MDR1	RELAY OUTPUT-MDR1							
OUTPUT 2	S8_OUT2_MDR2	RELAY OUTPUT-MDR2							
OUTPUT 3	S8_OUT3_ISL1	RELAY OUTPUT-ISL1							
OUTPUT 4	S8_OUT4_ISL2	RELAY OUTPUT-ISL2							

NOTE: IF ENTRY FIELD READS NA (NON APPLICABLE) THAT OPTION WILL NOT BE DISPLAYED IN THE PROGRAM MENU SCREEN.

	VITAL I/O										
		SLOT 9 INP	PUTS								
INPUT #	PROGRAM NAME	FUNCTION	RANGE	ON DEBOUNCE	OFF DEBOUNCE						
INPUT 1	S9_IN1_1GP	GATE 1 UP REPEATER	0-10 SEC	Ø SEC	Ø SEC						
INPUT 2	S9_IN2_2GP	GATE 2 UP REPEATER	Ø-10 SEC	Ø SEC	Ø SEC						
INPUT 3	S9_IN3_1GD	GATE 1 DOWN REPEATER	0-10 SEC	Ø SEC	Ø SEC						
INPUT 4	S9_IN4_2GD	GATE 2 DOWN REPEATER	Ø-10 SEC	Ø SEC	Ø SEC						
	SLOT 9 (	OUTPUTS									
OUTPUT #	PROGRAM NAME	FUNCTION									
GATE 1	S9_G1_CNTRL	GATE OUTPUT #1	1								
GATE 2	S9_G2_CNTRL	GATE OUTPUT #2									
BELL	S9_BELL_OUT	SLOT 9 BELL OUTPUT	]								
NVOUT	(NOT USED)	(NOT USED)	]								

	VITAL CONFIG SWITCHES AND APPLICATION ID JUMPERS								
#	VITAL CONFIG SWITCH	APP ID JUMPERS	SET TO	FUNCTION					
1	GATES	VID1	TRUE	WHEN TRUE GATES ARE UTILIZED AT THE CROSSING WHEN FALSE ONLY FLASHERS ARE UTILIZED AT THE CROSSING.					
2	BELL_ON_G_UP	VID2	TRUE	WHEN TRUE BELL OUTPUT IS ACTIVE ON GATE DESCENDING AND GATE RISING ONLY.					
3	BELL_ON_CONT	VID3	FALSE	WHEN TRUE BELL OUTPUT ALWAYS ACTIVE.					

		REVISIONS		THE OPERATION OF THE CIRCUITS AND	ATE OF OA	HICAGO, FORT WALK
				EQUIPMENT REPRESENTED HEREIN CANNOT BE FULLY CHECKED UNTIL ALL CIRCUITS AND DEVICES ARE CONNECTED TO FORM A COMPLETE SYSTEM, OR AN EFFECTIVE SUBSYSTEM. SUCH SYSTEM OR SUBSYSTEM MUST BE GIVEN COMPLETE CIRCUIT AND OPERATIONAL TESTS BEFORE BEING PLACED IN REGULAR OPERATION.	SCOTT L WERTANS E-73435 SONAL ENTRY SONAL ENTRY 2/e3/22	C.F.E

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APPLICATION ID									
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9	1Ø	11	12	13	14	15	16		
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I = TAB INTACT X = TAB PUNCHED OUT

NOTE: ALL APPLICATION ID DIP SHUNTS ARE INTACT

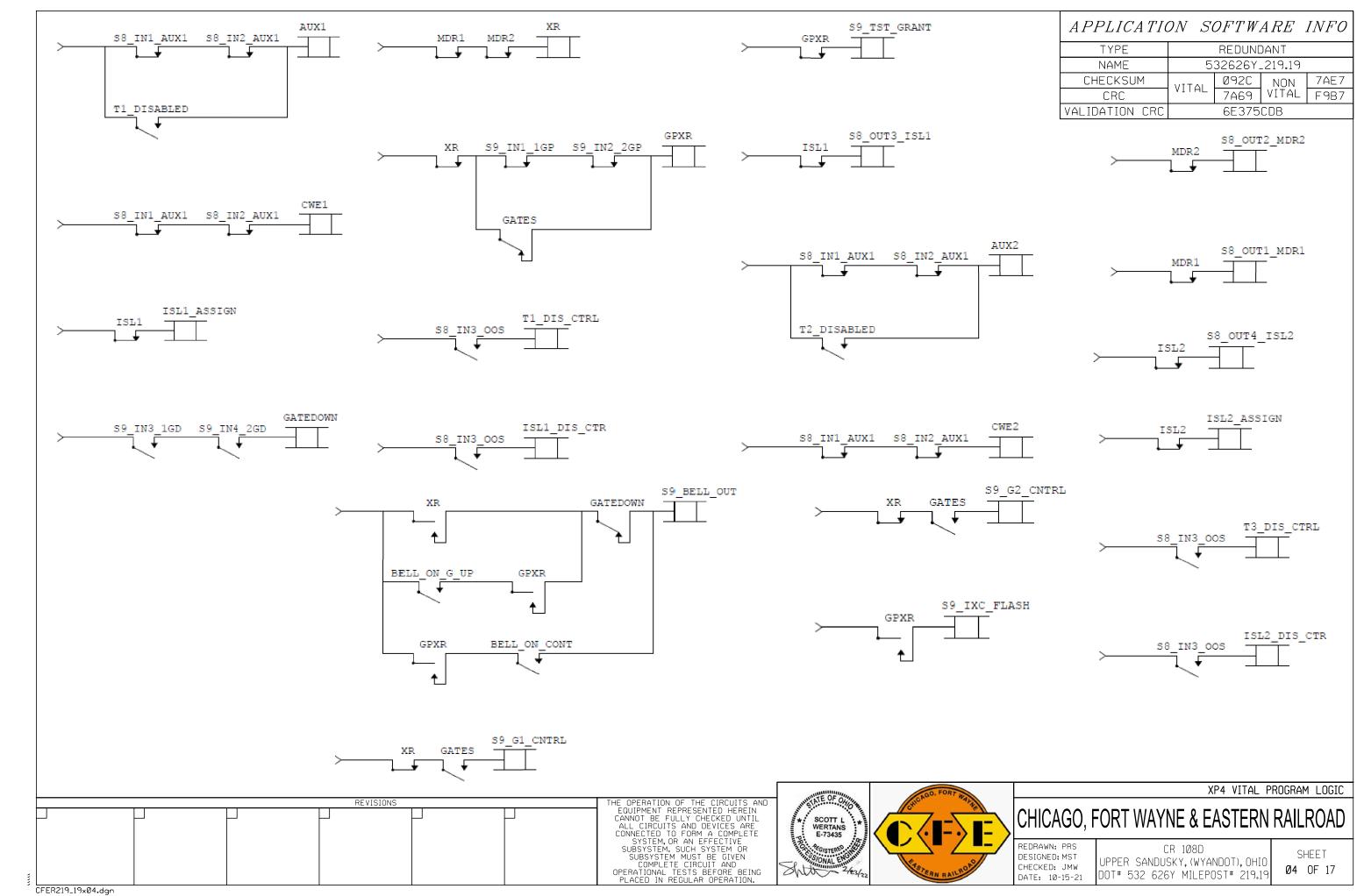
XP4 PROGRAM

#### CHICAGO, FORT WAYNE & EASTERN RAILROAD

REDRAWN: PRS DESIGNED: MST CHECKED: JMW DATE: 10-15-21

CR 1Ø8D UPPER SANDUSKY,(WYANDOT),OHIO DOT# 532 626Y MILEPOST# 219.19

SHEET Ø3 OF 17

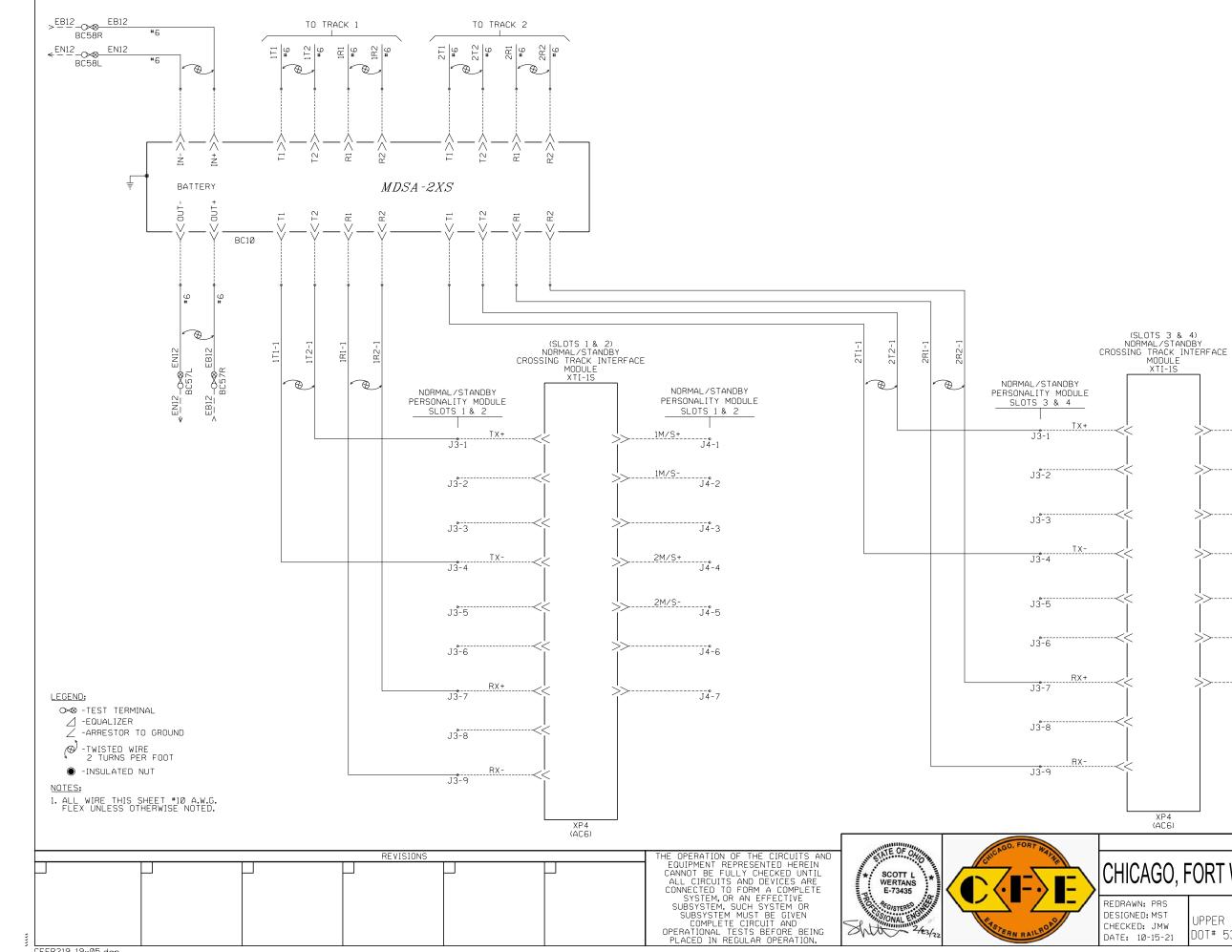


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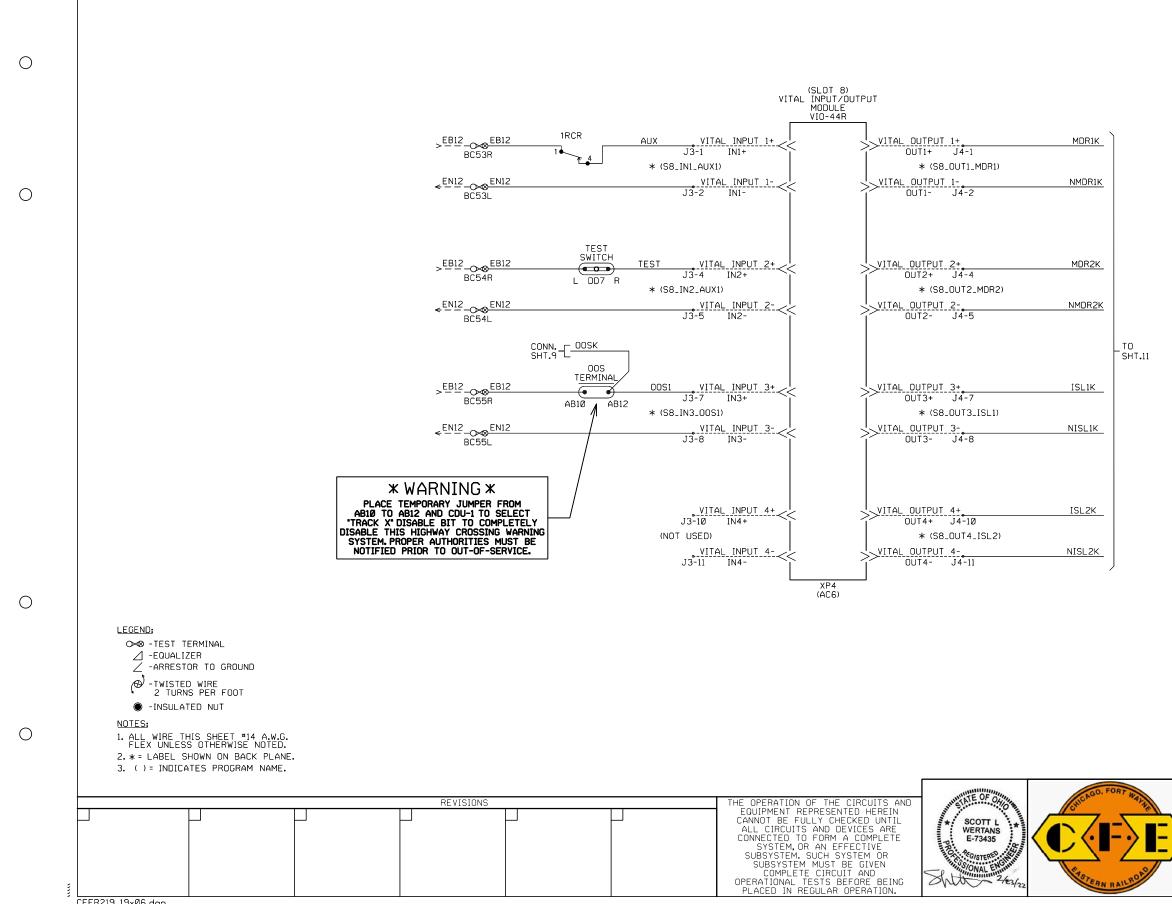
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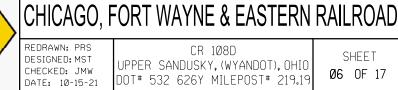
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_E  (+		NORMAL/STANDBY PERSONALITY MODULE <u>SLOTS 3 &amp; 4</u> <u>1M/S+</u> J4-1
	<<	>> <u>1M/S-</u> J4-2
		>>° J4-3
(-	<	<u>2M/S+</u> J4-4
	<<	>> <u>2M/S-</u> J4-5
		>>° J4-6
(+		J4-7
(		
	XP4 (AC6)	
		XTI-1S CIRCUITS
	CHICAGO	FORT WAYNE & EASTERN RAILROAD
/	REDRAWN: PRS DESIGNED: MST CHECKED: JMW DATE: 10-15-21	CR 108D UPPER SANDUSKY,(WYANDOT),OHIO DOT# 532 626Y MILEPOST# 219.19 <b>05 OF 17</b>
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VIO-44R CIRCUITS

— 075046-003 16FT - 075047-003 16FT CABLE 1 (A)CABLE 2 В Ο J4-15 J4-20 J6-18 J6-19 J4-10 J4-11 J4-12 J4-13 J4-14 J4-16 J4-17 J4-18 J4-19 J6-10 J6-11 J6-13 J6-14 J6-15 J6-16 J6-20 J4-3 J4-8 J4-9 J6-2 J6-6 J6-17 J4-2 J4-4 J6-1 J6-5 J4-1 J4-7 678 618 617 8 8 RL Y1 \* BELL-ж В2 ж \* 8 \* 8 \* Ο MODULE Λ Λ Λ  $\Lambda$ (SLOT 9) CROSSING CONTROL IXC-20S (S9\_IN3\_16D) .2GD) (S9\_IN1\_1GP) 2GP FS0.\* +1N| \* (S9\_IN2\_ IN4+ \* (S9\_IN4\_ -ENI-\* +ZNI \* -2NI \* -1N4-ISI\* ź\* J5-10 J5-13 J5-14 J5-17 J5-18 J5-19 J5-5 J5-6 J5-9 J5-1  $\sim$ ί'n BD56L BD54L BD53 BD55L S9\_IN3\_1GD -IN2-2GP S9\_IN4\_2GD S9\_IN1\_1GP × × ΧI Ζ| ×| X σ V V ₩ V  $\bigcirc$ TO SHT.11 Ο THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED HEREIN CANNOT BE FULLY CHECKED UNTIL ALL CIRCUITS AND DEVICES ARE CONNECTED TO FORM A COMPLETE SYSTEM, OR AN EFFECTIVE SUBSYSTEM, SUCH SYSTEM OR SUBSYSTEM MUST BE GIVEN COMPLETE CIRCUIT AND OPERATIONAL TESTS BEFORE BEING PLACED IN REGULAR OPERATION. TATE OF OA REVISIONS SCOTT L WERTANS E-73435 SIONAL EN Shitt 2/23/2

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REDRAWN: PRS DESIGNED: MST CHECKED: JMW DATE: 10-15-21

CR 108D UPPER SANDUSKY,(WYANDOT),OHIO DOT# 532 626Y MILEPOST# 219.19

SHEET Ø7 OF 17

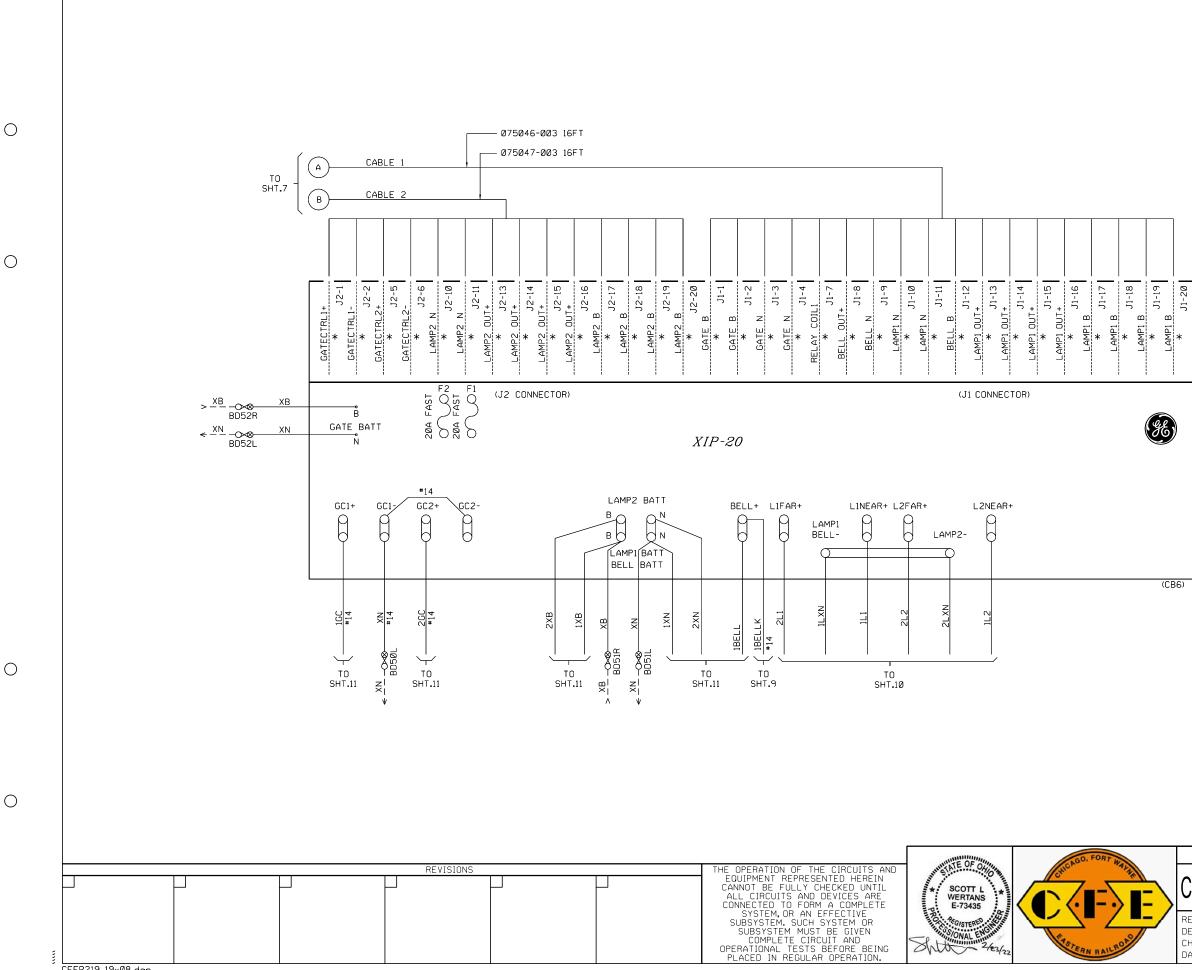
#### CHICAGO, FORT WAYNE & EASTERN RAILROAD

IXC-20S CIRCUITS

NOTES: 1. ALL WIRE THIS SHEET #14 A.W.G. FLEX UNLESS OTHERWISE NOTED. 2. \* = LABEL SHOWN ON BACK PLANE. 3. () = INDICATES PROGRAM NAME.

XP4 (AC6)

ТО SH. 8



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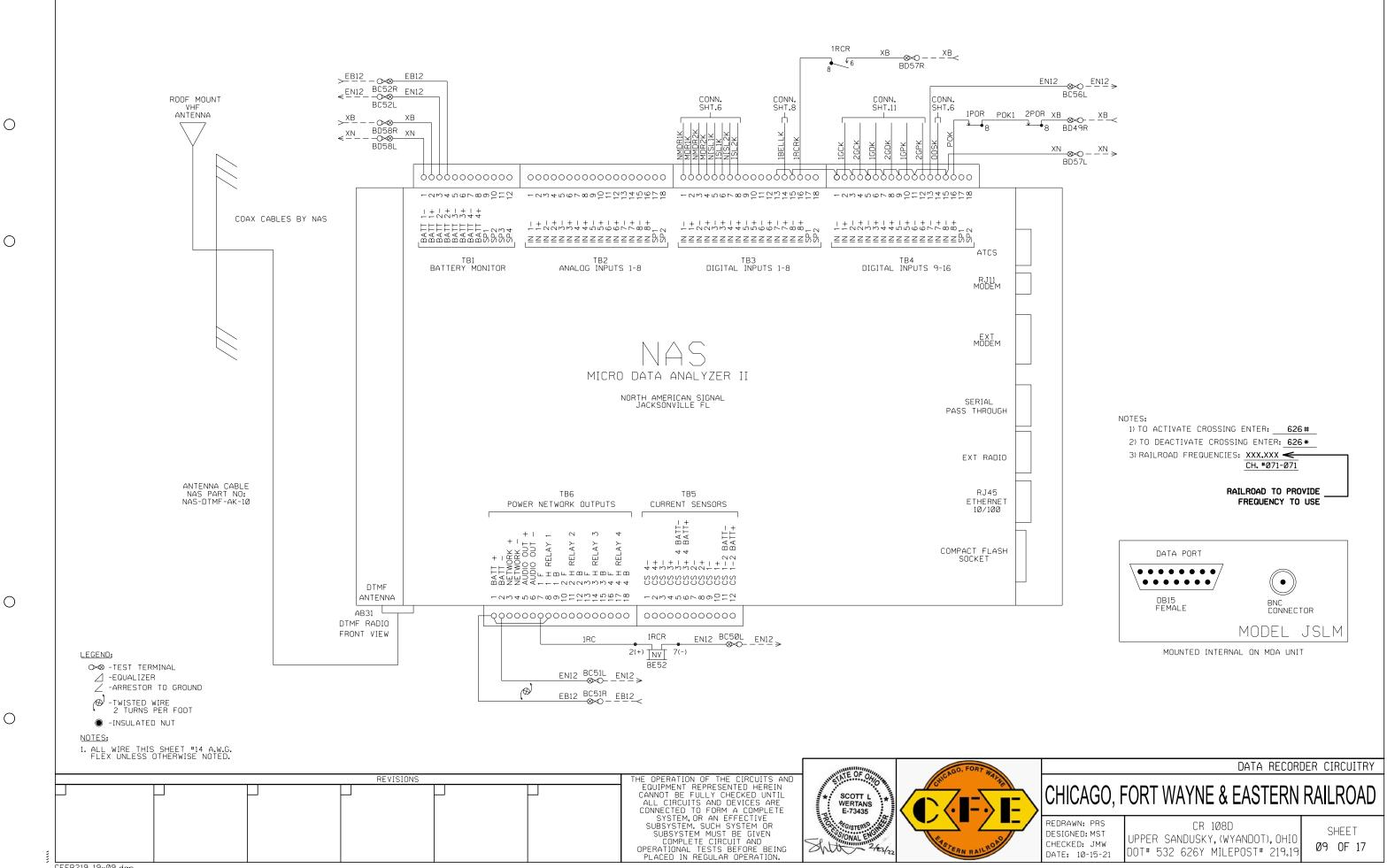
CR 108D UPPER SANDUSKY,(WYANDOT),OHIO DOT# 532 626Y MILEPOST# 219.19

SHEET Ø8 OF 17

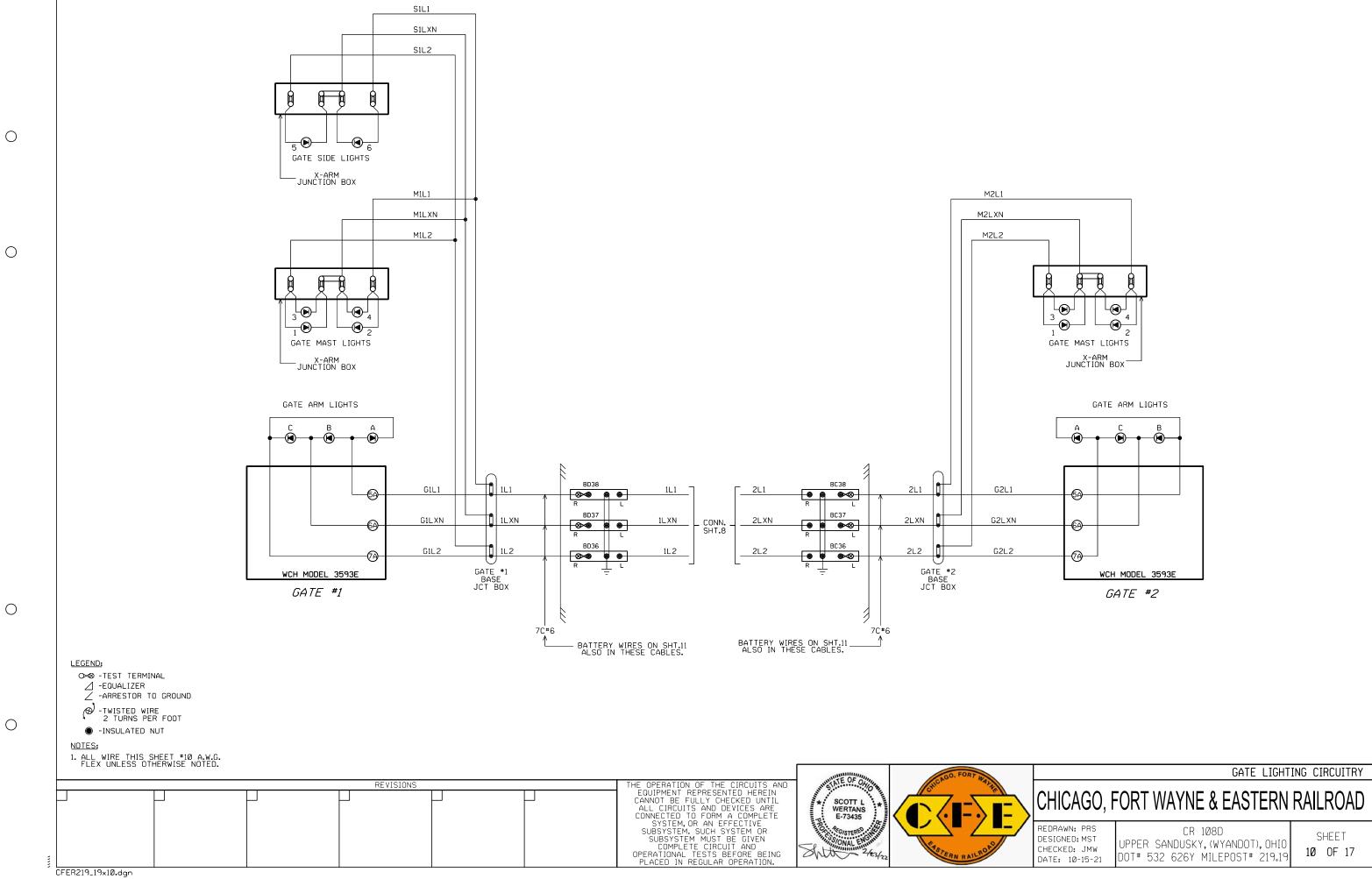
CHICAGO, FORT WAYNE & EASTERN RAILROAD

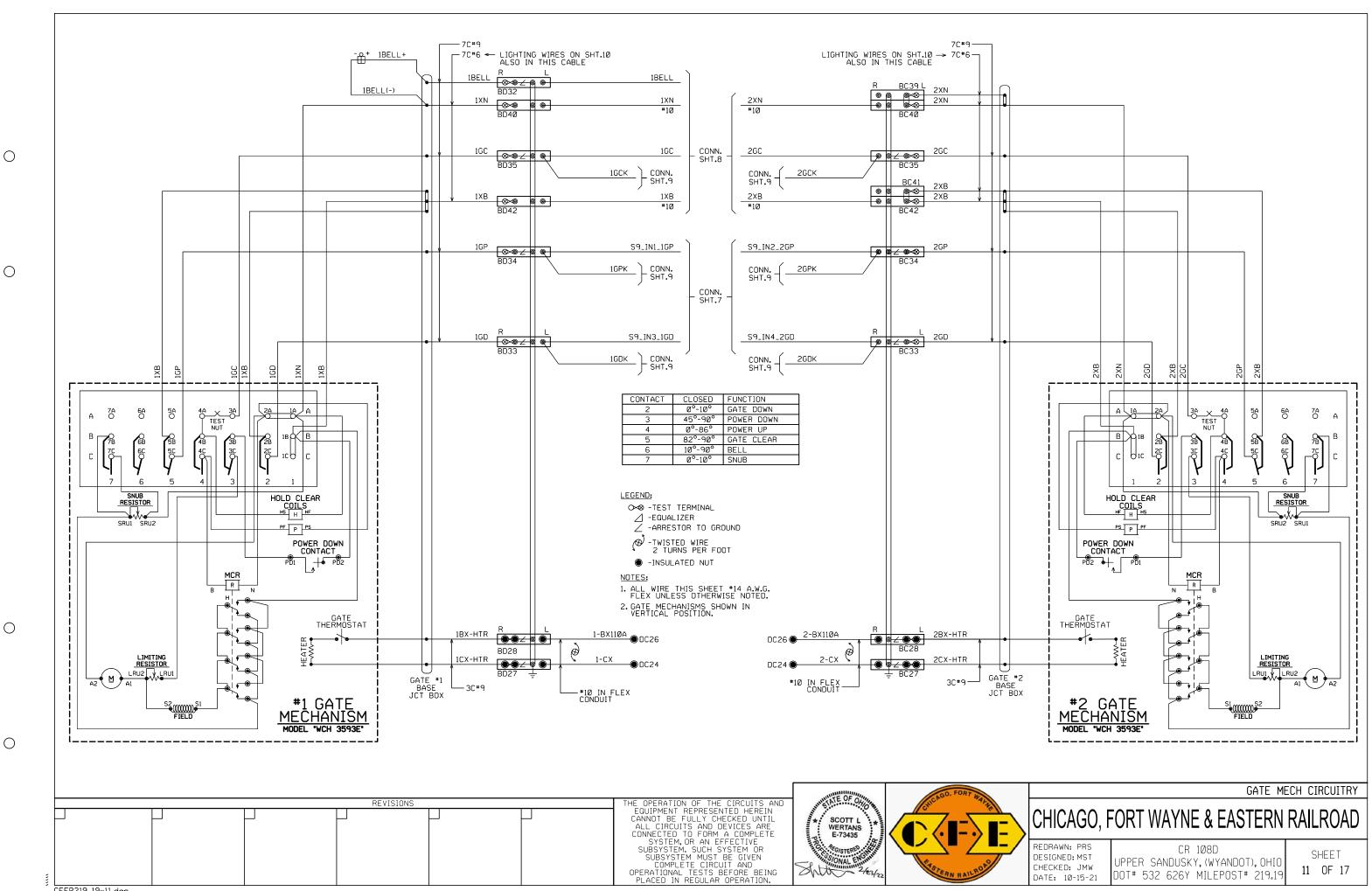
XIP-20 CIRCUITS

NOTES: 1. ALL WIRE THIS SHEET #10 A.W.G. FLEX UNLESS OTHERWISE NOTED. 2. \* = LABEL SHOWN ON BACK PLANE.



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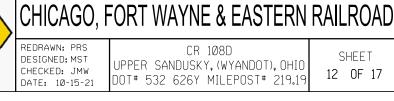
SEE SHEET 5 BC RIGHT EB12 BUSS EB12 MDSA-2XS CHGREB12-BATTERY EB12 56 55 54 53 52 51 50 49 BX110A-EB12 EB12R EB12 . I EB12 + 🛛 -@ ₹ #6 (RED) BC59R #6 (RED) 6 CELLS GNB 472 A.H. #6 #6 BC58R BC57R + AC DC IN OUT Ø A A BX11ØB-EB12 (NOTE: 2) 56 55 54 53 52 51 50 49 EN12R EN12 EN12 EN12 . - @ #6 (BLK) BC59Ľ #6 (BLK) i\_\_\_\_\_ #6 #6 BČ58L BČ57L 20 AMP ∕€GND BC LEFT EN12 BUSS GND AUTO CB31 CONN. SHT.13 BD RIGHT XB BUSS XВ CHGRXB-BATTERY 58 57 56 55 54 53 52 51 50 49 48 BX11ØA-XB XBR ХB + 🛛 – 7 CELLS GNB 368 A.H. (#6 (RED) BD59R #6 (RED) AC DC A BX11ØB-XB (NOTE: 2) 58 57 56 55 54 53 52 51 50 49 48 XNR XN #6 (BLK) #6 (BLK) BD59L 40 AMP øGND BD LEFT XN BUSS GND AUTO CA31 -(NOTE: 1) POK-BX110A-1 1POR POK-BX110A 1POK-BXA -0~8 #14 #14 AA11 POK-BX11ØB 1POK-BXB #14  $\square$ 1POK POWER OFF LAMP MOUNTED OUTSIDE OF HOUSE ON WALL "A" ×<u>B</u> - - ∞ POKB 1POKB -**0~**& AA13 #14 BD48R < <u>XN</u>\_ POKN 1POKN LEGEND: #14 ◯∽⊗ -TEST TERMINAL ∠ -EQUALIZER
∠ -ARRESTOR TO GROUND 2POK-BXA O -TWISTED WIRE 2 TURNS PER FOOT 2POK-BXB POK POWER OFF LAMP MOUNTED OUTSIDE OF HOUSE ON WALL "C" INSULATED NUT \* - LIGHTS ARE 12VDC, 4-WIRE LED. (P/N:LC2-Ø01WB-WG4) VELCORP GEMS 2POKB 2POKN NOTES: 1. USE 220VAC INPUT FOR CHARGERS. 2. USE 1/4" TERMINALS AT BATTERY CONNECTIONS. 3. ALL WIRE THIS SHEET #10 A.W.G. FLEX UNLESS OTHERWISE NOTED. THE OPERATION OF THE CIRCUITS AND EQUIPMENT REPRESENTED HEREIN CANNOT BE FULLY CHECKED UNTIL ALL CIRCUITS AND DEVICES ARE CONNECTED TO FORM A COMPLETE SYSTEM, OR AN EFFECTIVE SUBSYSTEM, SUCH SYSTEM OR SUBSYSTEM MUST BE GIVEN COMPLETE CIRCUIT AND OPERATIONAL TESTS BEFORE BEING PLACED IN REGULAR OPERATION. TATE OF OH REVISIONS SCOTT L WERTANS E-73435 ONAL E Shitter 2/03/2 CFER219\_19x12.dgn

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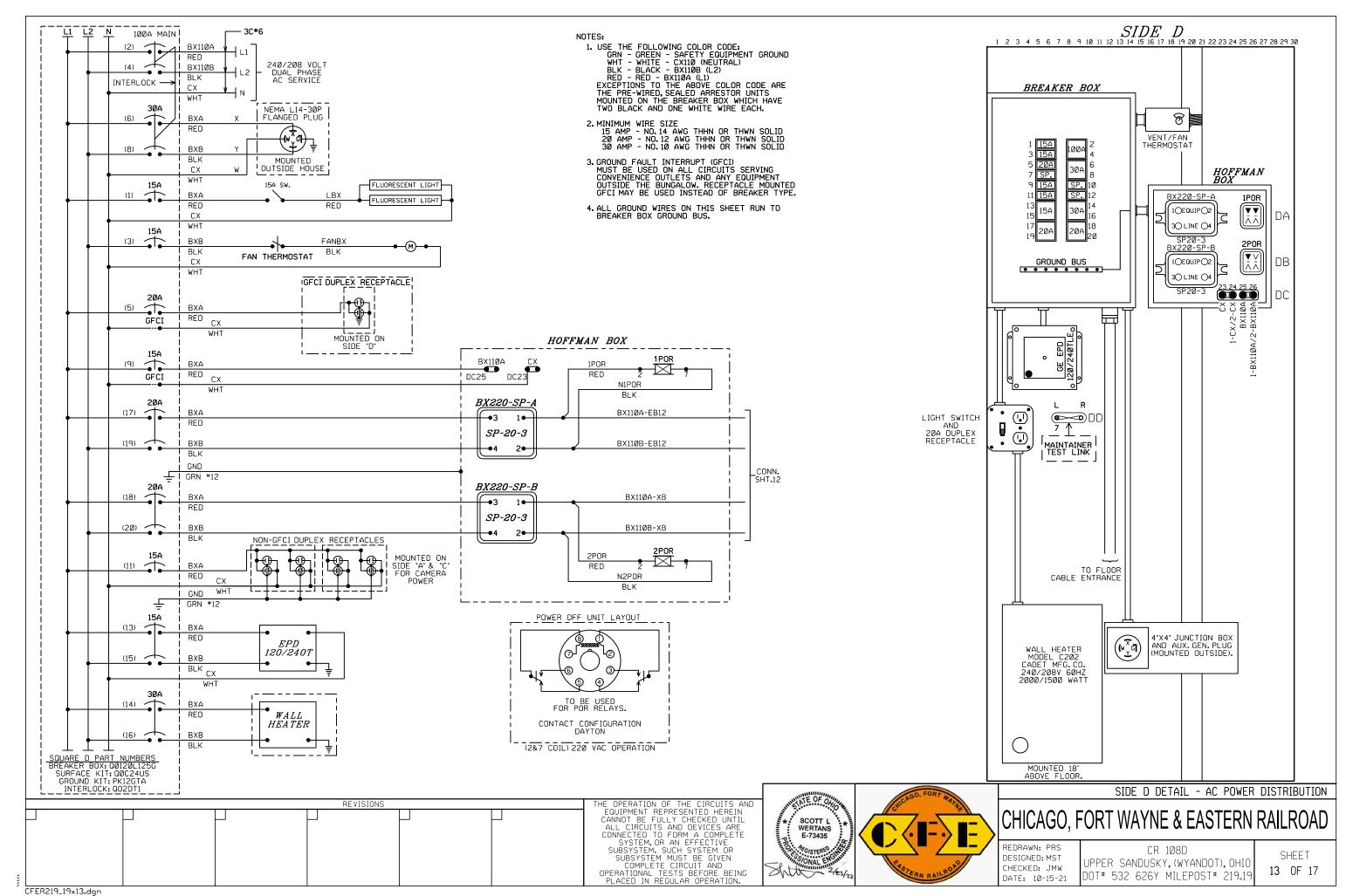
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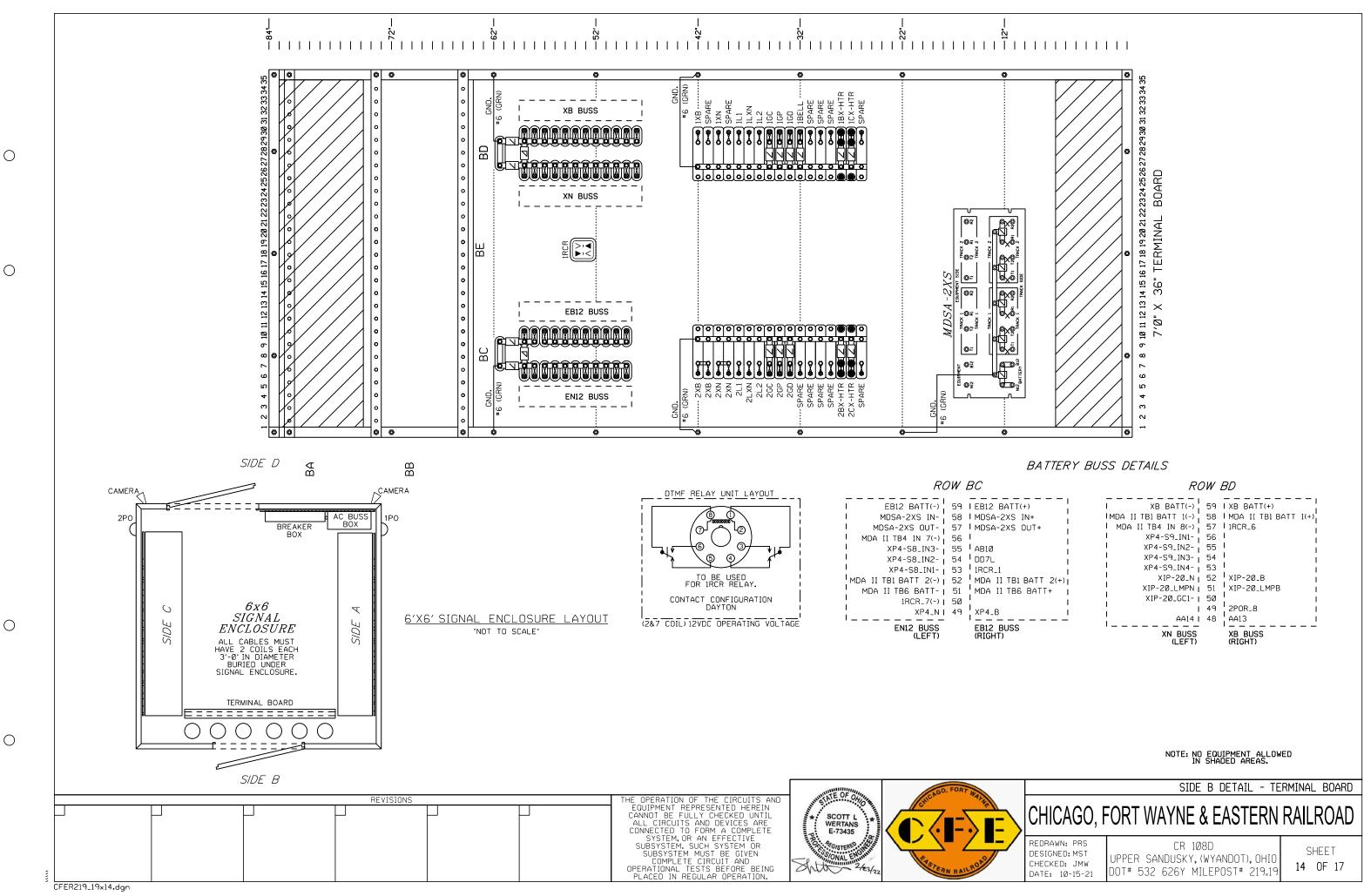
DC POWER DISTRIBUTION



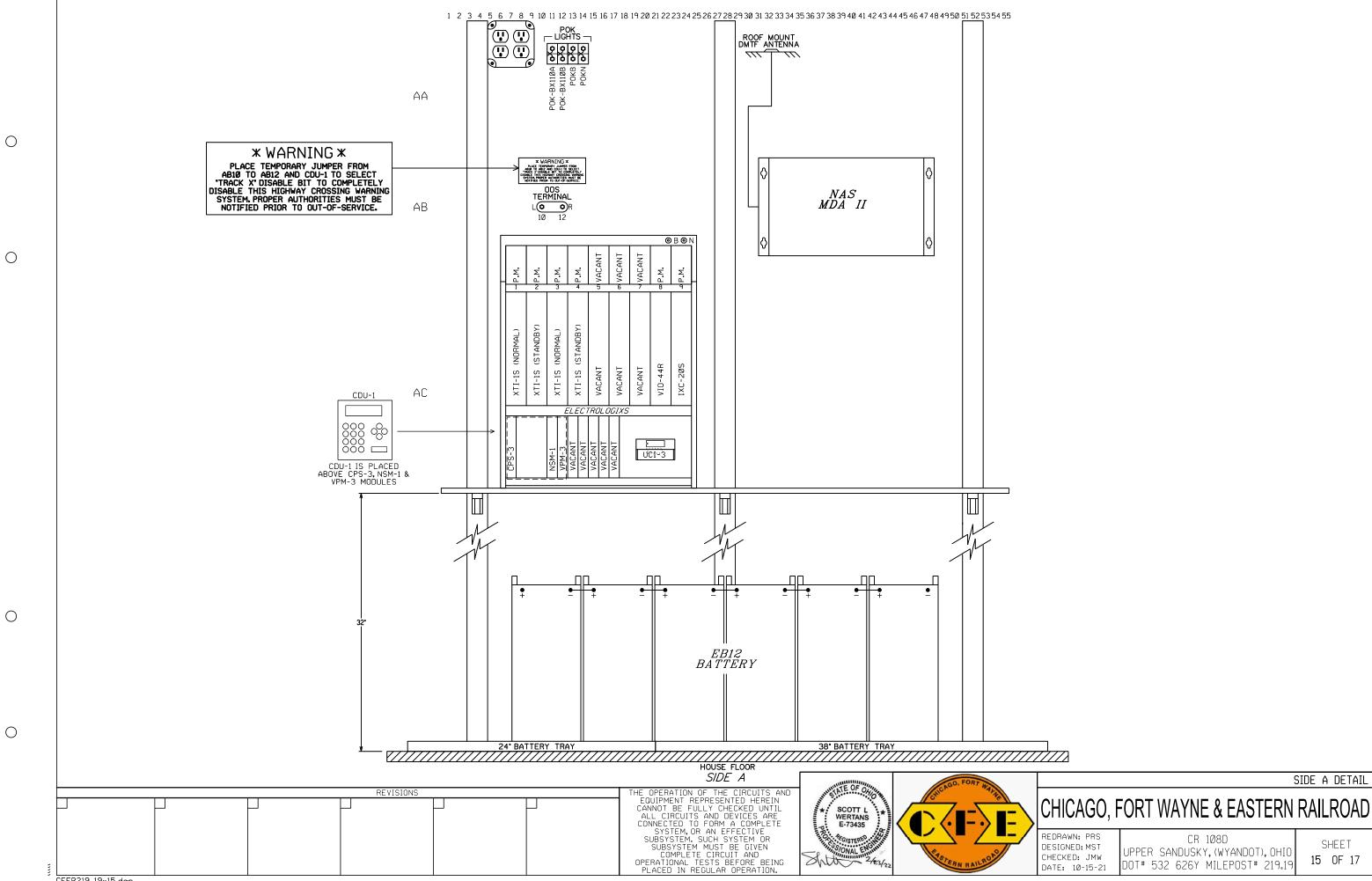
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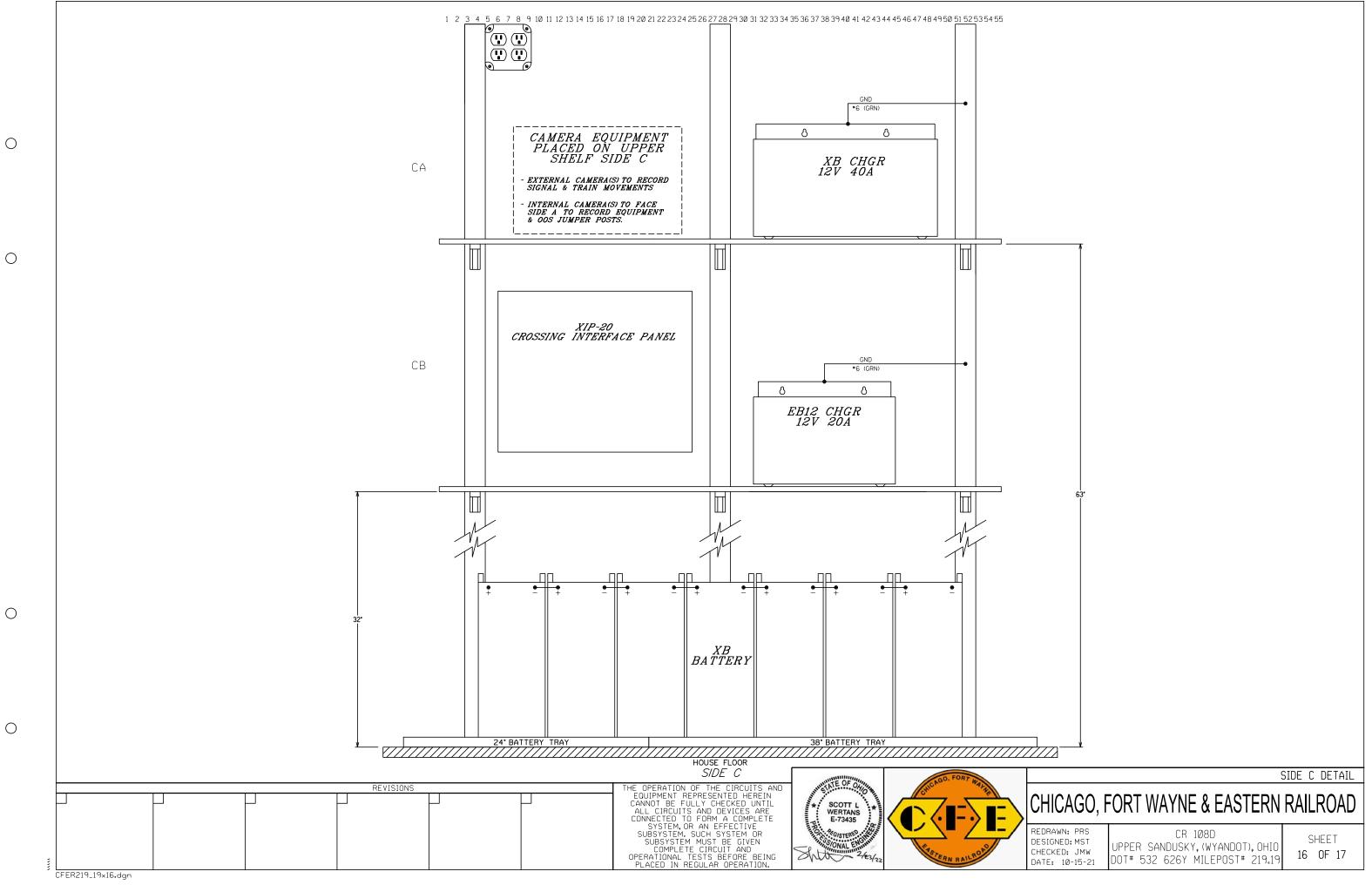
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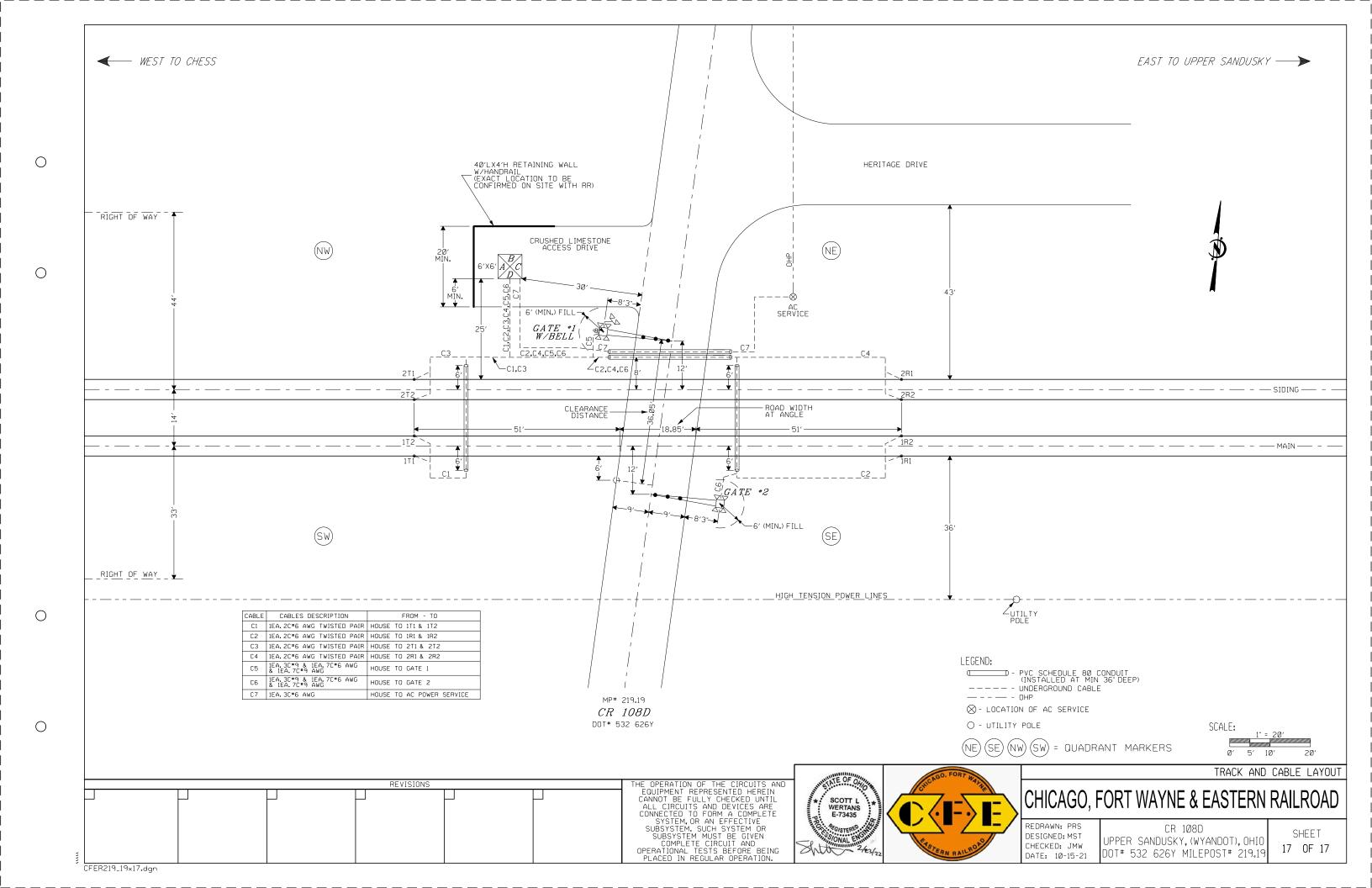


 TT(+)	I XB BATT(-)	59	I XB BATT(+)
(S IN+	MDA II TB1 BATT 1(-)	58	MDA II TB1 BATT 1(+)
(S OUT+	MDA II TB4 IN 8(-)	57	1RCR_6
1	XP4-S9_IN1-	56	1
1	XP4-S9_IN2-	55	1
	XP4-S9_IN3-	54	1
1	XP4-S9_IN4-	53	
(B1 BATT 2(+)	XIP-20_N	52	XIP-20_B
IB6 BATT+ I	XIP-20_LMPN	51	XIP-20_LMPB
· ··· ·	XIP-20_GC1-	50	1
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	AA14	48	AA13 I
SS	XN BUSS (LEFT)		XB BUSS (RIGHT)



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Rail Development Commission

Mike DeWine, Governor Jon Husted, Lt. Governor Scott Corbitt, Chair

February 8, 2021

Chicago Ft. Wayne & Eastern Railroad Mr. Jarrod Rishell AVP Engineering Northern Region Genesee & Wyoming Inc. 4349 Easton Way, Suite 110 Columbus, OH 43219

#### RE: Authorization for Design, Plans and Estimates and bid package for Grade Crossing Warning Device Upgrade, Wyandot County, CR 108D, DOT# 532626Y; PID# 113988

Dear Mr. Rishel:

A diagnostic review was held at the above grade crossing on 7/28/2020. The crossing has been recommended for the installation of automatic flashing lights and roadway gates. The crossing is located near multiple turnouts and a siding and may require special attention to the design of the circuitry.

The Chicago Ft. Wayne & Eastern Railroad is authorized to proceed with the design, 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 Chicago Ft. Wayne & Eastern 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 ORDC is not requesting that the PUCO issue an Order at-this-time. Please submit the preliminary engineering plans and or the bid package to ORDC within 90 days of receipt of this letter.

The diagnostic review form is attached. Please note any recommendations made by the team about requirements for this location. Any minor roadway work necessary for MUTCD compliance should be incorporated into the plans and estimates and such costs will flow through the CSX reimbursement process.

The Project Manager for this project is Don Damron. I can be reached at (614) 917-8466 (cell), or don.damron@dot.ohio.gov, if you have any questions.



Sincerely,

Donald Romion

Donald J Damron Project Manager

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

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





Commissioners

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

November 13, 2020

Chicago Ft. Wayne & Eastern Railroad Mr. Jared Rishel AVP Engineering Northern Region Genesee & Wyoming Inc. 4349 Easton Way Suite 110 Columbus, OH 43219

> Re: Wyandot County, CR 108D, DOT#532-626Y, hereinafter referred to as the "Project"

Dear Mr. Rishel:

The Public Utilities Commission of Ohio (PUCO) has identified and the Ohio Rail Development Commission (ORDC) surveyed, on July 28, 2020, 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. 00037-C, dated August 27, 2004, entered into by the State of Ohio and Chicago Ft. Wayne & Eastern Railroad ("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.

(614) 466-3016 www.PUCO.ohio.gov Page 2 of 2 CR 108D Wyandot County Chicago Ft. Wayne & Eastern Railroad

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,

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

Chic	ago Ft. Wayne & Eastern Railroad
By	AA

Title President

Date 01/19/2021

Matthew Dietrich Executive Director Ohio Rail Development Commission

Date

Page 2 of 2 CR 108D Wyandot County Chicago Ft. Wayne & Eastern Railroad

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,

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

Matt

Matthew Dietrich Executive Director Ohio Rail Development Commission

Chicago Ft. Wayne & Eastern Railroad

Ву \_\_\_\_\_

Title\_\_\_\_\_

Date \_\_\_\_\_

Date November 20, 2020

### CR 108D (DOT #532626Y), Wyandot County at the Chicago, Fort Wayne & Eastern · · · · 7/28/2020 · · ·

Crossing at a glance:

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· · · · . ORDC Notes:

Please Sign In

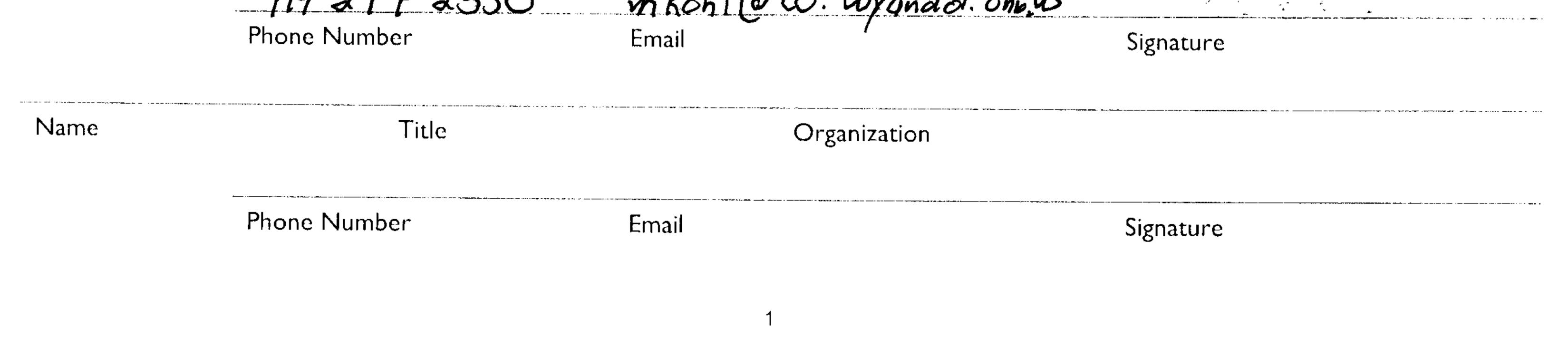
Don Damron

SAFETY PROJECT NAMAGER

ORDC

	NEIT /	ROY ELT / YANAGER				
Name	Title		Organization			
	<i>G14 917 8466</i> Phone Number	don. damvon@dot. Email	ohio-gov	Jonuly James		
Cathy St	out		ORDC			
Name	Title		Organization			
				alt - but		
	Phone Number	Email		Signature		
Nathan Howell			-	e & Eastern		
Name	Title		Organization			
	Phone Number	Email		Signature		
Terry Wr			Wyandot C	County		
Name	Title		Organization			

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Timothy	Flessner		PUCO		
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KONALI	DWALTER	C	FÉE RR		
Name	Title		Organization		
	513 805 - 1342				
	Phone Number	Email	Signature		
Mike K	ohl Wya. Co. Engine	21			
Name	Title		Organization .		
	419-294-2330	mkahl (	200. Wandat shirus		



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

Date: 7/28/2020

Street or Road N	Name:		CR 108D		
County:	Wyandot	Township:		US DOT No.:	532626Y
City (in or near)	near Upper Sandusky	Railroad Name:	CFE	RR Milepost:	219.19
		Initial Informatio	on (from database)		Revised
Number & dates previous 5 years	of vehicle crashes in	٢	ı/a		
Number & dates of pedestrian/bicycle crashes in previous 5 years:		n/a			
Hazard Ranking:	874	Date Run:	04/08/2020		

Existing Traffic Control Davides				
Type of Warning Devices	Insta	lled?	Quar	ntity/Comments
HIGHWAY				· · · · · · · · · · · · · · · · · · ·
Advance Warning Signs (condition?)	<b>A</b> Yes	🗆 No		
'Stop' Signs	□ Yes	ΜŇΝο		
'Stop Ahead' Signs	🗆 Yes	🖾 No		
Pavement Markings (condition?)	🗆 Yes	12 No		
Dynamic Envelope Markings (condition?)	🗆 Yes	Z No		
Illumination	□ Yes	<b>X</b> No		
'No Turn' Signs (highway/passive)		<b>X</b> No	· · · · · · · · · · · · · · · · ·	
Barriers/fencing (pedestrian/bicycle)	🗆 Yes	K-No		
LOOK Sign	□ Yes	X No		
Do Not Stop On Track Sign	□ Yes	X No		
RAILROAD				
Crossbucks	Yes Yes	🗆 No		
Crossbucks – assembly with Stop	<b>E</b> Yes	□ No	· · · · · · · · · · · · · · · · · · ·	
Crossbucks – assembly with Yield	🗆 Yes	Ž-No		
Mast-Mounted Flashing Lights	🗆 Yes	<b>N</b> o		
Cantilever Flashing Lights	🗆 Yes	<b>K</b> No	Number:	Length:
Side Lights	🗆 Yes	K No		
LED or Incandescent Lights? Size?	🗆 Yes	<b>D</b> No		
Automatic Gates	🗆 Yes	<b>X</b> No	Number:	Length:
Bells	🗆 Yes	/J/No	Number:	
Sidewalk/Pedestrian Gate Arms	□ Yes	<b>X</b> No	Number:	Length:
'No Turn' Signs (railroad/active)	🗆 Yes	No No		
Is crossing flagged by train crew?	<b>K</b> Yes	□ No	SIPING L	IT CROSSING.
OTHER	🗆 Yes	<b>N</b> o		

Type of Train: [7] Freight [7] Intercity Pa	ssenger [] Transit [] Shared Use Transit [] (	Commuter []] Tourist/Other
<b>Railroad Characteristics</b>	Initial Information (from database)	Revised
Total trains per day	10	"10 IS HIGH" I-2 PER DAY
<i day?="" per="" td="" trains="" week<=""><td></td><td></td></i>		
Day thru trains	5	
Night thru trains	5	
Switching	0	NOTE: SIDING IS USED TO STARE CARS NO SEDURE TO N

		STOKE CARS. NO SERVICE TO NERIAGE
Total number of tracks	2	I MAN TRACE/1510/NG TRACK
Number of main tracks	1	OTAY
Number of other tracks	1	OKAY
Maximum train speed	40	ORAY
Typical train speed	10-40	OKSY
Amtrak		
Are there other track(s) crossing t	his same roadway within 100ft of this crossing?	l Yes 🗹 No
If yes, Crossing DOT# (if differe	ent)	
If yes, distance	(take measurement between track cente	erlines at closest point along roadway)
If multiple tracks, can two trains	s occupy crossing at the same time?	[] No
Can one train block the motoris	sts' view of another train at the crossing? KYes	(explain below) 🗌 No

Can one or more tracks be eliminated through the crossings? [] Yes KNO Comments: STORED CARS ON SADING TRACK MAY BLOCK VISABILITY OF SECOND TRAIN ON MAIN TRACK. Circuitry: Constant Warning Time Motion Detection AFO PTC DC Other CIRCUITS FOR SIDING

Local Highway Authority:	Wyandot County	
Roadway Characteristics	Initial Information (from database)	Revised
Average Daily Traffic	416 (2011)	OKAY
Highway Paved	XYes DNo	□Yes □No
Roadway Surface: 🕅 Blacktop 🛛 Grave		
Roadway width (paved/travelled way):	<u>/8</u> _ft	
Number of Highway Lanes	2	
Urban or Rural	Rural - Local	
Vehicle Speed: n/a MPH		55 MPH
School Bus Operation: 🗆 Yes 🖉 N	No Amount UNKNOWN X	T TIME OF SURVEY.
Location of nearby schools: UPPER 3	WOUSKY, EAST OF CROSSING.	
Hazardous Materials Trucks: 🗹 Yes	No Amount (from FRA) 5%	LHA verified/changed?
Shoulders: 🗌 Yes 🗘 No		
Is the Shoulder Surfaced? 🗆 Yes 🛛 🕅	No If yes, shoulder width:ft.	
Is there existing guardrail along the roadw	ay in crossing vicinity? □ Yes 🛛 🖾 No	
Crossing Angle [] 0-29 [] 30-59 24 6	0-90 Measured in Quadrant?	
Quadrant Curb & Gutt	er: Quadrant	Curb & Gutter:
Functional (Curb height = 4" or more)	[] Functional (Curb	height = 4" or more)
Non-functional (Curb height = less that	1 4") [] Non-functional (C	urb height = less than 4"

L'INON-IUNCLIONAI (Curb neight – less than 4 )	LI Non-functional (Curb height = less than 4")
<b>5</b> Í None	<b>X</b> None
Is there a nearby intersection that could cause queuing over t	the crossing? 🗆 Yes 🗰 No
If yes, distance	
Is this intersection signalized? 🗆 Yes 🕅 No	
Are there signals currently interconnected with the existing c	crossing warning devices? 🛛 Yes 🕅 No
ls there a 'Do Not Stop on Track' sign? 🛛 Yes 🕅 🕅 No	0
Is a roadway improvement project (e.g. widening, turn lanes, location in the foreseeable future? 🛛 Yes 🕅 No	nearby new or upgraded traffic signal, sidewalk) planned at or near this
lf yes:	
Improvement type Lead Agenc	yTimeline/completion

Regular pedestrian usage:	□ Yes	🕅 No	Volumes:	Occasional	□ <20	□ 20-60	□ >60	
Is sidewalk present in the	approach?	□ Yes	🗆 No	Quadrants:				
Does crossing surface acc	ommodate	pedestrians?	□ Yes	□ No				
Both sides of roadway?		□ No	lf no, which	side is paved?				
Pedestrian generators in close proximity (e.g. schools, sports/entertainment venues)? 🗆 Yes 🕅 No								
Comments:								
Regular bicycle usage: [	∃ Yes	K No						

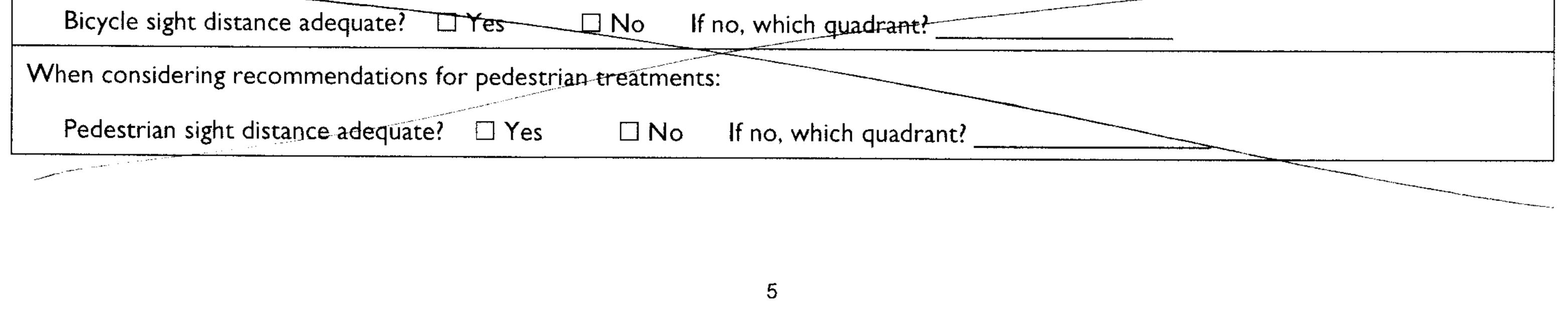
□Roadway □ Dedicated Lane (on street) □ Dedicated Path (off street) □ Shared Use (pedestrian/bicycle) Path □ Bikes must use sidewalk

Future plans for pedestrian or bicycle routes?	□ Yes	ΪΝο	
Comments:			

	×.			73					<u>.</u>		
		"貔"		1	1.2	É 🕅 🇯	100	1	( e 7	- X8	2.00 - 0
0 - S			1.				Â.			ŚŅ.	

Is commercial power available? Xes	🗆 No	AEP	
Utility Provider (Company Name)	Å	JEP	
Nearest Available Power Source <u>4</u> 7 ~	SITE		
What other utilities are present? $\Box$ Gas		☐ Telephone	Fiber Optic Cable (add locations to sketch)

L Petroleum	⊔ Water	□ Sanitary Se	ewer 🛛 Othe	er	4 ALONG	ROADE	24
Comments:							
	<u> </u>		······		:· · · · · · · · · · · · · · · · · ·	· · · · ·	
Surface review	<pre>/ form complet</pre>	ed? 🗆 Yes	🗆 No				
·	<b></b>			. <u></u>		······	
If non-gated cr	ossing, is clear	ing sight distand	e adequate in all	quadrants? (	See Table I) 🕅 Yes	🗆 No	2 · TRUCKS
	at diatance ede	austel (See Tak	ole 2) 🗗 Yes	🗆 No	If no, which guadrant?		
ls stopping sigh	it distance ade	quales (See Tal	$(C_{\mu}) = P_{\mu} (C_{\mu})$		a no, man quadrance		
		·	ycle treatments:		quudiunti.		



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

NA

## Crossing Consolidation or Closure:

NA

## Real Estate or ROW:



Culvert / Drainage / Ballast Conditions:

# NA

Roadway and/or Sidewalks:

NA

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

# SIGNAL CIRCUIT ON MAIN TRACK AND SIDING. MAIN TRACK IS ALWAYS ON. TURNOUT ON WEST SIDE OF CROSSING - OPEN TOTAL OF 3 SWITCHES ON SIDING.

Environmental:

NA

## Utilities:

NA

Other:



6

Is it the consensus of the Diagnostic Review Team that this is a potential closure project?

Explain reasons:

Diagnostic Team Recommendations	
No improvements needed	Quadrants Needed
Install/upgrade active devices	
Automatic Flashing Lights (AFLS)	

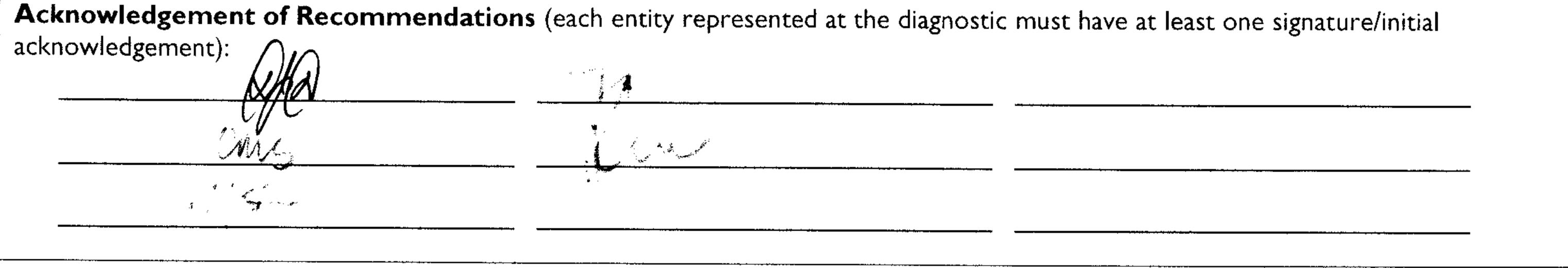
AFIS /Cants

LI AFLS / Cants	
🕅 AFLS / Gates	
AFLS / Gates / Cants	
🛛 Bells / number	ONE BELL
Upgrade circuitry / type	
Sidelights	
LED Upgrades	
Guardrail Needed	
Install/Replace curb	
Bungalow placement & offset from rail & highway	SW QUADRAND
Other (define)	
Comments: CONSENSUS: UPORADE TO AFLE	5 ANN GATES.
	O BOND AND WEB BOND ON MAN
$\Box$ Install/upgrade traffic signal preemption $IN$ $IN$	OURATION OF APPROACHES TRACK
Other (define):	

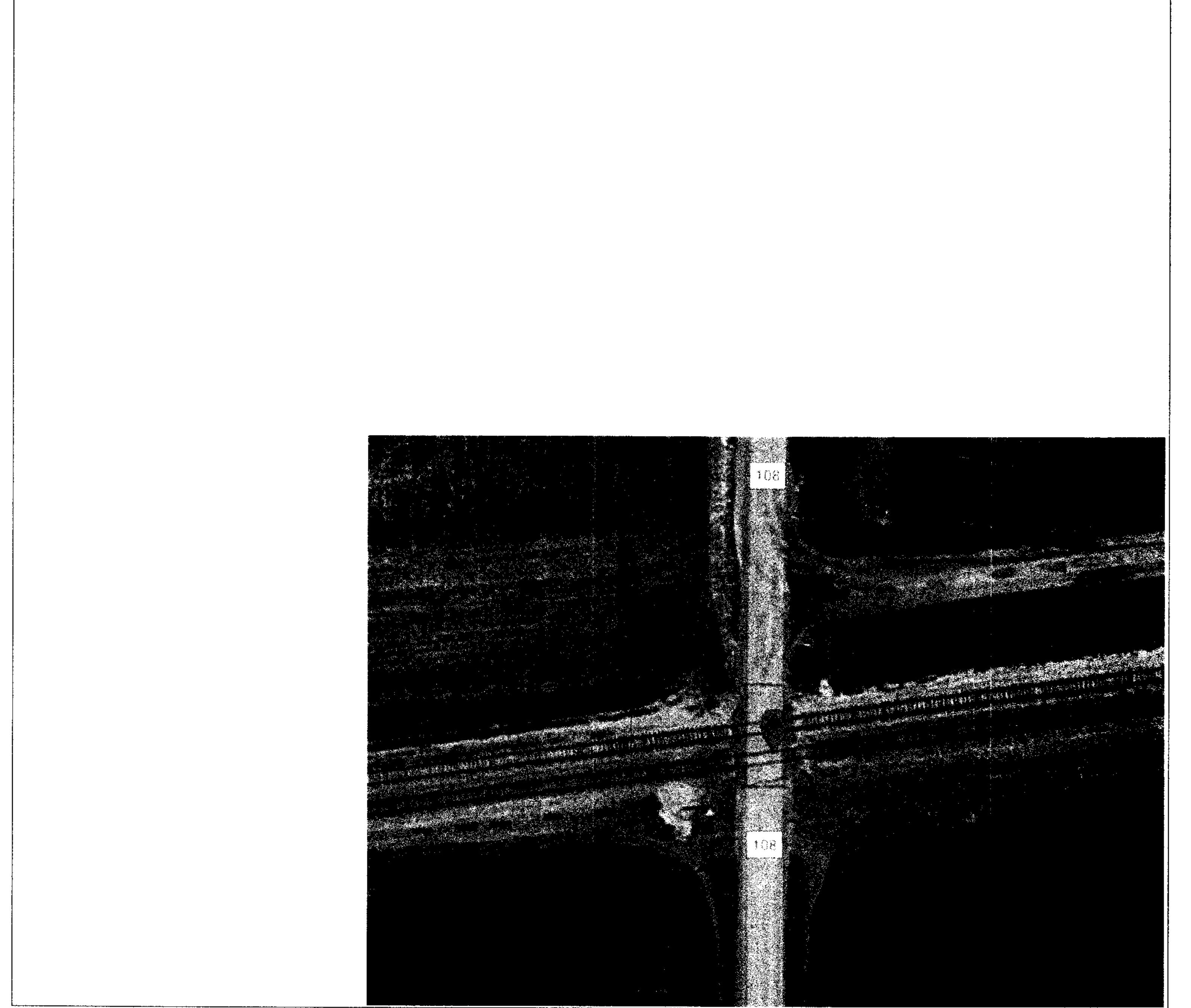
# 

# PEDESTRIAN/BICYCLE Treatments (additional, not included above)

Crossing Surface (specify)	Sidewalk (specify)	
Detectable warning surfaces	LOOK Sign (RI 5-8)	
□Stop lines		
Dynamic envelop markings	Channelization	
Path delineation	Fencing/barriers	
Other		
Comments:		



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

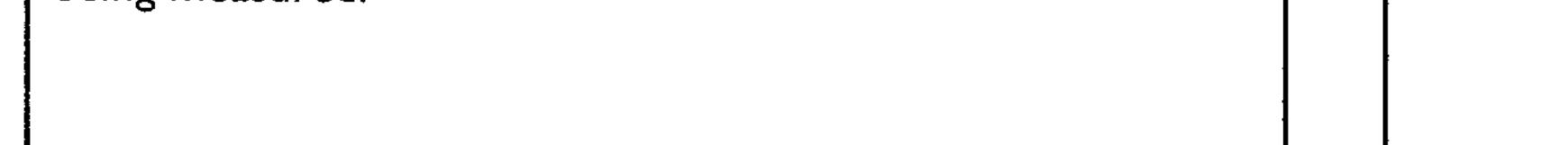


# **Clearing Sight Distances**

# Stopping Sight Distances

Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)	Highway Vehicle Speed	Distance (dH) Along Roadwa from Crossing (ft)		
1 - 10	1 - 10 240		n/a		
15	360	5	50		
20	480	10	70		
25	600	Ι5	105		
30	720	20	135		
35	840	25	180		
40	960	30	225		
45	1080	35	280		
50	1200	40	340		
55	1320	45	410		
60	1440	50	490		
65	1560	55	570		
70	1680	60	660		
75	1800	65	760		
80	1920	70	865		
85	2040	Source: R-H Grade Crossing Har	ndbook Table 36 (pp. 132-133)		
90	2160	Notes:			
ource: R-H Grade Crossing Handt	radius = 132-133	All calculated distances are ro foot increment.	ounded up to the next higher 5-		
votes:	/ / / / / / / / / / / / / / / / / / /		-ft double bottom semi-tractor		
All calculated distances are rour	ided up to the next higher 5-	trailers on dry level pavement	<b>IS</b> .		
oot increment.			be measured on each roadway		
Distances indicated are for 65-ft		approach to crossing from sto	op bar.		
railers and level single track 90 read to be adjusted for multiple					
need to be adjusted for multiple approaches on grades.	tracks, skewed crossings or				
	montured in each vehicle				
Clearing Sight Distance is to be ravel direction at non-gated cro	<u>ssings</u> as viewed from a point				
25 feet from centerline of neare	-				

iterine of nearest track in the tenter of whichever travel lane is nearest the direction along track being measured.





# Bicycle & Pedestrian Clearing Sight Distances

	Clearing Sight Distance from Stop Position*										
	Crossing of one track								2 Tracks	Crossing	3 Tracks
Train Speed	Car	Single-unit Truck	Bus	WB-50 Semitruck	65-foot Double Truck	Pedestrian <sup>1</sup>	Bicyclist <sup>2</sup>	Pedestrian <sup>1</sup>	Bicyclist <sup>2</sup>	Pedestrian <sup>1</sup>	Bicyclist <sup>2</sup>
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

<sup>1</sup> 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.

<sup>2</sup> 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

5/11/2022 6:10:30 PM

in

#### Case No(s). 22-0490-RR-FED

Summary: Application In the Matter of a Request for the Installation of Active Warning Devices at the Chicago Ft. Wayne & Eastern Railroad Crossing, CR 108D, DOT#532-626Y in Wyandot County, Ohio. electronically filed by Mrs. Jill A. Henry on behalf of PUCO/Rail Division