

NE

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2010 NOV 22 AM 10:32

**Public Utilities
Commission of Ohio**

PUCO

Memo

To: Docketing Division
From: George Martin, Grade Crossing Planner, Rail Division *GM*
Re: In the matter of the authorization of CSX Transportation to install flashing lights and roadway gates in Wood and Defiance Counties
Date: November 22, 2010

The Ohio Rail Development commission has authorized funding for CSX Transportation to install mast-mounted flashing lights and roadway gates at the following locations:

Wood County, Milton Township, Maplewood Rd/TR 22, DOT# 155775K

Defiance County, Richland Township, Snyder Rd/TR 190, DOT# 142343Y

These grade crossings were surveyed during the month of September, 2010, and were found to warrant the upgrades due to their hazard ranking.

These projects are actual cost, and will be federally funded. Staff requests an Entry with plans and estimates to be submitted to the Commission and ORDC within 90 days, and completion within one year. A suggested case coding and heading would be:

PUCO Case No. 10-*2764* -RR-FED In the matter of the authorization of CSX Transportation to install flashing lights and roadway gates in Wood and Defiance Counties

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician *SMB* Date Processed *11/22/10*

C: Legal Department

Please serve the following parties of record

Ms Susan Kirkland
Ohio Rail Development Commission
1980 West Broad St
Columbus, Oh 43223

Mr Shelby Stevenson
CSX Transportation
500 Water St, J-301
Jacksonville, Fl 32202

Mr Charles Hoile
Milton Township Trustees
9395 Milton Rd
Custar, Oh 43511-9714

Mr James Kile
Richland Township Trustees
27401 Shindler Rd
Defiance, Oh 43512

Tri-County Rural Electric Co-op
8945 CR K2
PO Box 100
Malinta, Oh 43535

Toledo Edison
76 S Main St
Akron, Oh 44308

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

TO: George Martin, Planner, Railroad Division, PUCO
FROM: Susan Kirkland, Supervisor, Rail-Highway Safety Section
BY: Tod Darfus, Project Manager
SUBJECT: Grade Crossing Warning Projects
DATE: November 22, 2010

You may authorize the CSX Railroad to proceed with the non-field work for this project. This construction 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 construction portion and preliminary engineering will be financed with federal funds.

Please initiate a one (1) year order with the plan and estimate due in ninety (90) days for the following.

Wood County - Maplewood Road/TR-22 - CSX AAR # 155 775 K

Thank you for your assistance with this matter.

TD:td

c: File

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Please initiate a one (1) year order with the plan and estimate due in ninety (90) days for the following.

Defiance County - Snyder Road/TR-190 - CSX AAR # 142 343 Y

Thank you for your assistance with this matter.

TD: td

c: File



Diagnostic Review Team Survey

Date: 9/29/10 1030 AM

Location Data

Street or Road Name: <u>MAPEWOOD ROAD</u>			
Route/Road Number (i.e. Twp., Co., SR or US) <u>TR 22</u> (include SLM if State or US route)		AAR-DOT No.: <u>155775K</u>	
County: <u>WOOD</u>	Township: <u>MILTON</u>	City: (In or Near) <u>MILTON CENTER</u>	
Railroad Name: <u>CSX</u>	Railroad Division: <u>LOUISVILLE</u>	Branch/Line Name: <u>TOLEDO SUB</u>	
Nearest RR Timetable Station: <u>CUSTAR</u>		RR Milepost: <u>173.28</u>	

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. GEORGE MARTIN PUCO 614-752-9107
2. TOOL DUNJUS ORDC 614-374-9298
3. Dwight Schoeden CSX 419-615-8436
4. Chuck Heile Milton Twp. Trustee 419-555-1512
5. Stanley Wilhelm Milton Twp. Trustee 419-669-2570
6. KEVIN BEGIN SIGNAL 419-344-6991
7. _____
8. _____
9. _____
10. _____

Existing Traffic Control Devices

Type of Warning Devices	Installed?		Quantity/Comments
Advance Warning Signs	☒ Yes	☐ No	2 <u>STANDARD</u>
'Stop' Signs	☐ Yes	☒ No	
'Stop Ahead' Signs	☐ Yes	☒ No	
Pavement Markings	☐ Yes	☒ No	
Crossbucks	☒ Yes	☐ No	2 <u>STANDARD</u>
Number of Tracks Signs	☐ Yes	☒ No	
Inventory Tags	☒ Yes	☐ No	2
Interconnected Highway Traffic Signal	☐ Yes	☒ No	
Mast-Mounted Flashing Lights	☐ Yes	☒ No	
Cantilever Flashing Lights	☐ Yes	☒ No	Number: Length:
Side Lights	☐ Yes	☒ No	
Automatic Gates	☐ Yes	☒ No	Number: Length:
Bells	☐ Yes	☒ No	
Sidewalk Gate Arms	☐ Yes	☒ No	
'No Turn' Signs	☐ Yes	☒ No	
Illumination	☐ Yes	☒ No	
Is crossing flagged by train crew?	☐ Yes	☒ No	
Other	☐ Yes	☐ No	<u>SLIGHTLY HUMPED</u> <u>XING.</u>

Safety Data (Obtain crash reports, if possible, prior to review)		
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 10/17/05	
Hazard Ranking	190	Date Run: 9/3/10
Railroad Data		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	5	13
< 1 per day		
Day thru trains	1	
Night thru trains	3	
Daytime switching movements	1	
Nighttime switching movements	0	
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks	0	
Maximum train speed	50	
Typical train speed	45	
Amtrak	No	
If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☒ Yes ☐ No		
If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☐ No		
Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☐ No N/A		
Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☒ No		
If yes, Crossing DOT #(if different) _____		
If yes, distance _____ (take measurement between track centerlines at closest point along roadway)		
Roadway Data		
Local Highway Authority: (Who maintains this roadway?) MILTON TOWNSHIP		
Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	58 (2007)	SAME
Highway paved	☒ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete ☐ Other COARSE		
Roadway width: 18 ft.		
Number of highway lanes	2	2
Urban or Rural?	RURAL	RURAL
Vehicle Speed: 55 MPH		
School Bus Operation: ☐ No ☒ Yes 3 Amount		
Hazardous Materials Trucks: ☐ No ☒ Yes Amount PROPANE, ANHYDROUS AMMONIA		
Shoulders: ☒ No ☐ Yes		
Is the shoulder surfaced? ☒ No ☐ Yes		
Is there existing guardrail along roadway in crossing vicinity? ☒ No ☐ Yes		
Is stopping site distance adequate? (See Table 2) ☒ Yes ☐ No If no, deficient approach(es) _____		

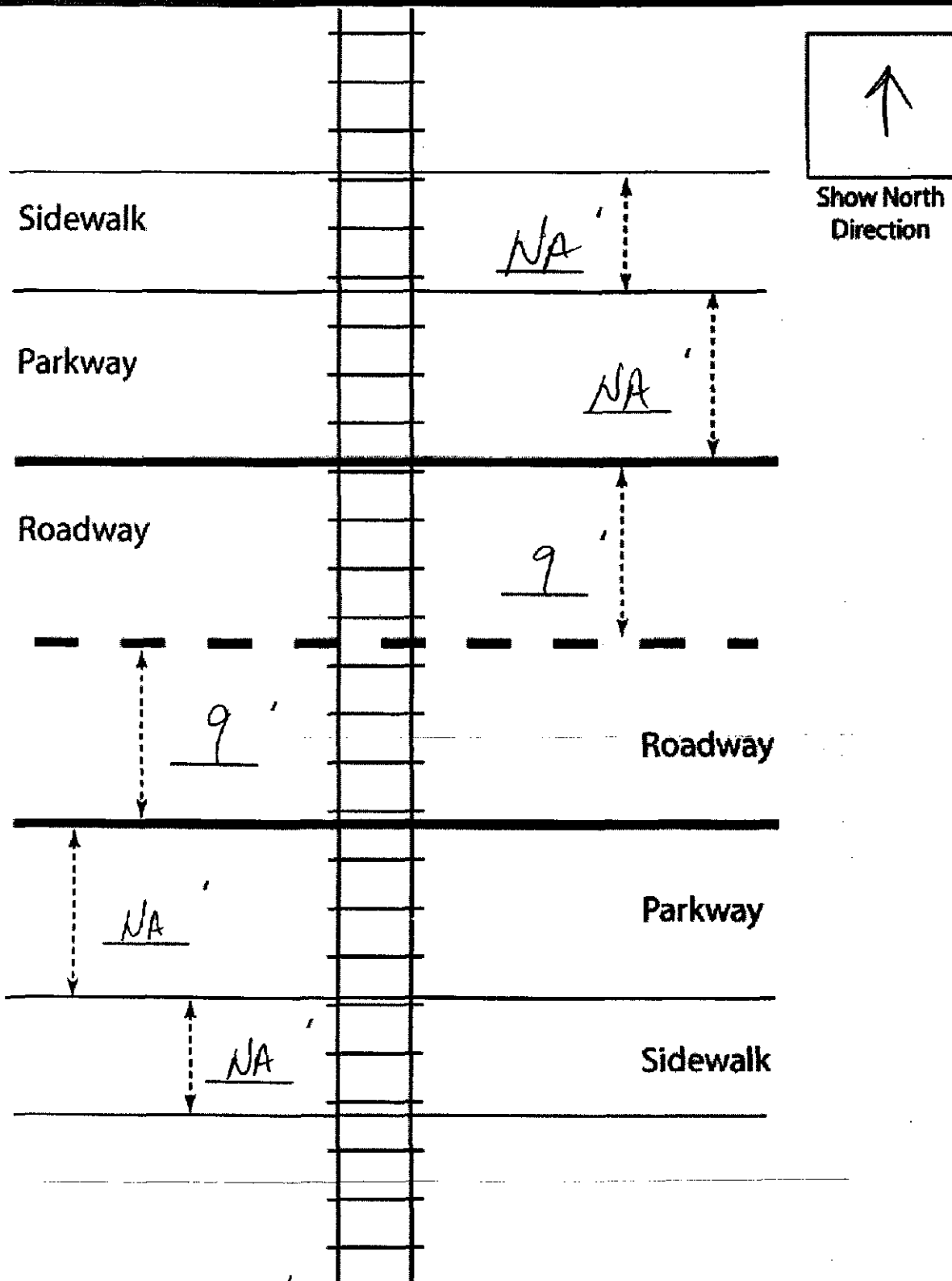
Quadrant _____ Curb and Gutter: ☐ Functional (Curb height = 4" or more) ☐ Non-functional (Curb height = Less than 4") ☒ None	Quadrant _____ Curb and Gutter: ☐ Functional (Curb height = 4" or more) ☐ Non-functional (Curb height = Less than 4") ☒ None
Pedestrians: ☒ No ☐ Yes	
Is sidewalk present? ☒ No ☐ Yes	
Is there a nearby intersection that could cause queuing over the crossing? ☒ No ☐ Yes If yes, Distance _____	
Is this intersection signalized? ☐ No ☐ Yes	
Are the signals currently interconnected with the existing crossing warning devices? ☐ No ☐ Yes	
Is it the consensus of the Diagnostic Review Team that this is a potential closure project? ☒ No ☐ Yes Explain reasons: N/A FARM ACCESS & RESIDENTIAL	

Type of Development	
☒ Open Space ☐ Institutional ☐ Industrial ☐ Commercial ☒ Residential FARM	Location of nearby schools:

Utility Information	
Is commercial power available? ☐ No ☒ Yes	
Utility Provider (Company Name) TRI COUNTY CO-OP	Phone Number _____
Nearest Available Power Source AT XING	
What other utilities are present? _____	
Is there potential utility conflict(s) ☐ Yes ☐ No ☒ Unknown	

Diagnostic Team Recommendations	
	Quadrants Needed
☒ Install/upgrade active devices	
☐ Automatic Flashing Lights (AFLS)	
☐ AFLS / Cants	
☒ AFLS / Gates	
☐ AFLS / Gates / Cants	
☐ Upgrade circuitry	
☐ Sidelights	
☐ Guardrail Needed	
☐ Install/Replace curb	
☐ Other (define)	
Comments:	
☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

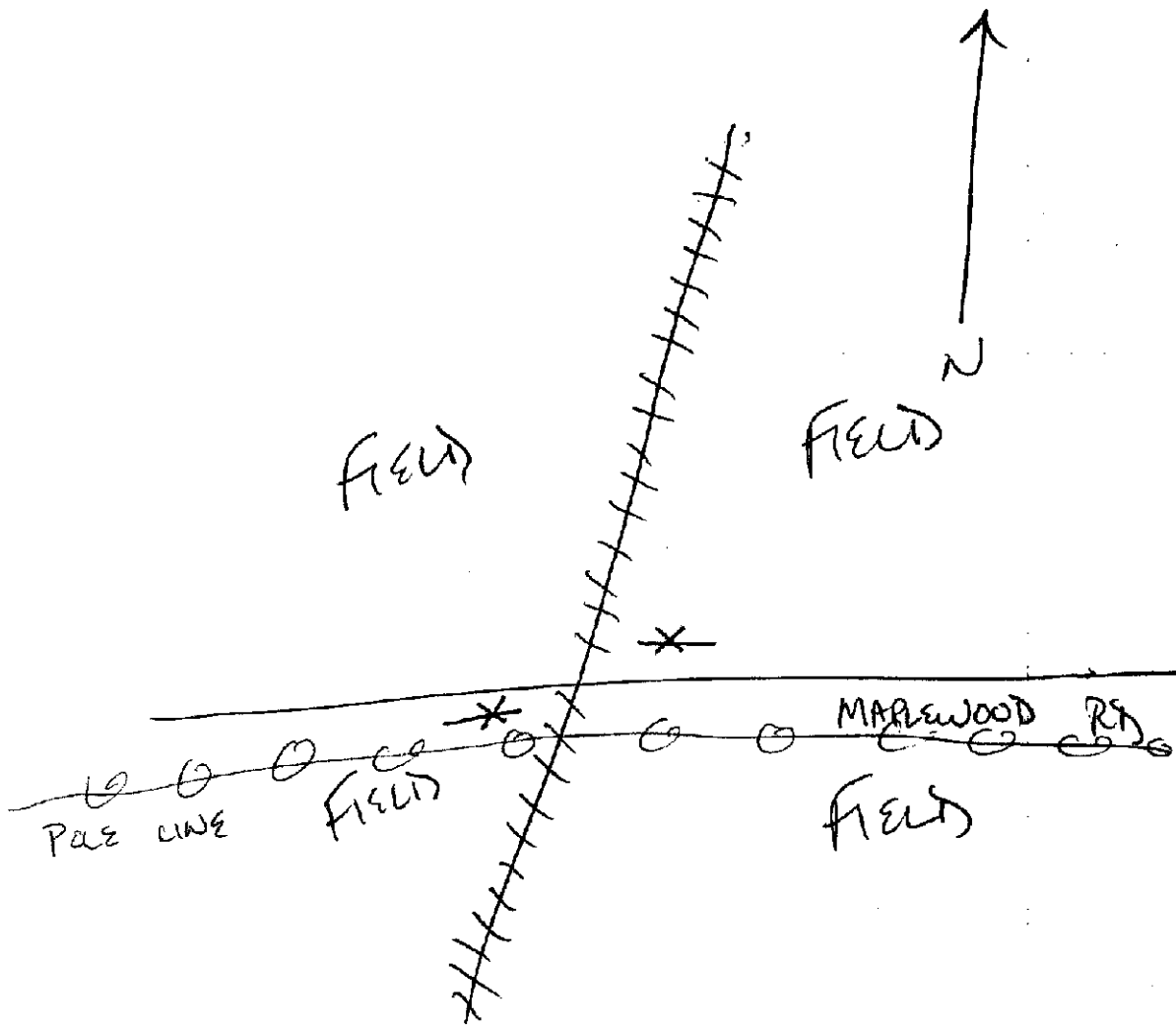
Field Dimensions



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

Measurements by: Gm

Field Sketch



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

Sketch by: GM

TABLE 1

Clearing Sight Distances

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

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

Notes:

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

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

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

Table 2

Stopping Sight Distances

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

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

Notes:

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

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

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

TRAFFIC CRASH REPORT



CRASH SEVERITY
1 FATAL 3 PDO
2 INJURY 4 UNKNOWN

PRIVATE PROPERTY
HIT/SKID
1 NOT HIT/SKID
2 SOLID
3 UNOLVED

PHOTOS TAKEN
ON-1 ON-2 ON-3 OTHER
X X X X

87-803-87

3

REPORTING AGENCY

01HIPB7

OHIO STATE PATROL

012 01

99 = ANIMAL
00 = UNKNOWN

1101172005

DAY OF WEEK

MON

NAME (OF CITY, VILLAGE OR TOWNSHIP)

MILTON

LATITUDE

41:18:49.25

LONGITUDE

83:49:11.15

CRASH OCCURRED ON

PHASE

MAPLEWOOD

TYPE LOC

1

TYPE LOCATION POINT USED

1 NAMED STREET 3 NUMBERED ROUTE

2 NUMBERED STREET

LOCAL INFORMATION

AT REFERENCE

POST REFERENCE (ON PREFIX REFERENCE

1 M E

CSX RAIL CROSSING, 173.28 MP (MILTON) 02

REFERENCE POINT USED

01 STATE LINE

02 INTERSECTION 2 STREETS

03 COUNTY LINE

04 HOUSE NUMBER

05 TOWNSHIP BOUNDARY

06 MILE POST

07 CORPORATION LIMIT

08 PLACE NAME W/O REFERENCE

09 DIVERGENCE

10 STREET OR ROUTE W/O REFERENCE

NAME (LAST, FIRST, MIDDLE)

01110121 CHAPMAN, CHRISTOPHER P.

ADDRESS (STREET, CITY, STATE, ZIP CODE)

20560 US. 6 WESTON, OHIO 43569

DL STATE

OH

SA076270

LP STATE

OH

AR28NZ

INJURED TAKEN BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

OWNER NAME (IF SAME, WRITE "SAME")

REBECCA M. CHAPMAN

ADDRESS (STREET, CITY, STATE, ZIP CODE)

1134 W. SANDUSKY ST. FINDLAY, OHIO 45840

YEAR

2003

MAKE

OLDSMOBILE

MODEL

ALERO

COLOR

BEIGE

INSURANCE COMPANY

AMERICAN FAMILY

TOWING SERVICE

JR'S

OWNER PHONE #

(419) 494-5399

OFFENSE CHARGES

4511.62(A)(E)

OFFENSE DESCRIPTION

FAILURE TO YIELD TO APPROACHING TRUCK

V 37 5365

NAME (LAST, FIRST, MIDDLE)

0202

ADDRESS (STREET, CITY, STATE, ZIP CODE)

DL STATE

OH

SA076270

LP STATE

OH

AR28NZ

INJURED TAKEN BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

OWNER NAME (IF SAME, WRITE "SAME")

CSX TRANSPORTATION

ADDRESS (STREET, CITY, STATE, ZIP CODE)

500 WATER ST JACKSONVILLE, FL 32202

YEAR

1983

MAKE

EMD

MODEL

GP15

COLOR

GRY/BLU

INSURANCE COMPANY

SELF

TOWING SERVICE

OWNER PHONE #

(260) 357-8800

OFFENSE CHARGES

OFFENSE DESCRIPTION

NAME (LAST, FIRST, MIDDLE)

01 VANDYKE, JOHN E

HOME PHONE #

(419) 669-5000 1020198420 M

ADDRESS (STREET, CITY, STATE, ZIP CODE)

13150 BROADWAY ST. WESTON, OHIO

INJURED TAKEN BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

INJURED TAKEN TO

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

NAME (LAST, FIRST, MIDDLE)

02 HEIMERT, RONALD L

HOME PHONE #

(260) 357-5415 1030195648 M

ADDRESS (STREET, CITY, STATE, ZIP CODE)

1341 S. COWEN ST. GARRET, IN. 46738

INJURED TAKEN BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

INJURED TAKEN TO

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

SEATING POSITION

01 FRONT - LEFT (RAC DRIVER)

02 FRONT - MIDDLE

03 FRONT - RIGHT

04 SECOND - LEFT (RAC PASS)

05 SECOND - MIDDLE

06 SECOND - RIGHT

07 THIRD - LEFT

(RAC PASSENGER/SIDE CAR)

08 THIRD - MIDDLE

09 THIRD - RIGHT

10 REAR SECTION OF CAR

11 ENCLOSED CARGO AREA

12 UNENCLOSED CARGO AREA

13 TRAILING UNIT

14 EXTERIOR

15 OTHER

16 Non-Motorist

17 UNKNOWN

SAFETY EQUIPMENT

01 NONE USED

02 SHOULDER BELT ONLY

03 LAP BELT ONLY

04 SHOULDER/LAP BELT

05 CHILD SAFETY SEAT

06 MC HELMET USED

07 USE UNKNOWN

08 NON-MOTORIST

09 NONE USED

10 HELMET USED

11 PROTECTIVE PADS

12 REFLECTIVE CLOTHING

13 LIGHTING

14 OTHER

15 UNKNOWN

AIR BAG

1 NOT-DEPLOYED

2 DEPLOYED-FRONT

3 DEPLOYED-SIDE

4 DEPLOYED BOTH

5 FRONT/SIDE

6 NOT APPLICABLE

7 UNKNOWN

AIR BAG SWITCH

1 NOT PRESENT

2 IN ON POSITION

3 IN OFF POSITION

4 UNKNOWN

EJECTION

1 NOT EJECTED

2 TOTALLY EJECTED

3 PARTIALLY EJECTED

4 NOT APPLICABLE

5 UNKNOWN

TRAPPED

1 NOT TRAPPED

2 EXTRACTED BY

MECHANICAL

3 BEANS

4 FREED BY

NON-MECHANICAL

5 MEANS

6 UNKNOWN

INJURIES

1 NO INJURY

2 POSSIBLE

3 NON-

DISAPPEARING

4 FATAL INJURY

5 UNKNOWN

BLANK FOR WITNESS

0.1 0.2

UNIT NUMBERS

01 01 01

02 20

37

20

55 55

POSTED SPEED

1 1

DRUG TEST STATUS

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NON-MOTORIST LOCATION

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MARKED CROSSWALK AT INTERSECTION

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

INTERSECTION/NO CROSSWALK

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NON-INTERSECTION CROSSWALK

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

DRIVEWAY ACCESS CROSSWALK

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

IN ROADWAY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NOT IN ROADWAY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MEDIAN (BUT NOT SHOULDER)

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

ISLAND

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SHOULDER

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SIDEWALK

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

WITHIN 10 FEET OF ROADWAY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

(NOT SHOULDER, MEDIAN, SIDEWALK, ISLAND)

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

BEYOND 10 FEET OF ROADWAY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

(WITHIN TRAFFICWAY)

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

OUTSIDE TRAFFICWAY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SHARED USE PATHS OR TRAILS

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

UNKNOWN

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TYPE OF UNIT

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MOTORIST

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SUB-COMPACT

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

COMPACT

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MID SIZE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

FULL SIZE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MIDVAN

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SPORT UTILITY VEHICLE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

PICKUP

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

PANEL/VAN

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SINGLE UNIT TRUCK

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

2 AXLES, 8 TIRES

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SINGLE UNIT TRUCK, 3+ AXLES

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRUCK/HAULER

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRUCK TRACTOR (BOATAIL)

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRACTOR/SEMI-TRAILER

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRACTOR/DOUBLE SHORT

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRACTOR/DOUBLE LONG

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

FIFTH WHEEL OR CONVERTER DOLLY

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

TRACTOR/TRIPLES

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MOTORCYCLE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

MOTORIZED BICYCLE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

SCHOOL BUS

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

CHURCH BUS

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 1

Narrative

UNIT 1 WAS EASTBOUND ON MAPLEWOOD ROAD, FAILED TO YIELD FOR A CROSSING TRAIN (UNIT 2). UNIT 2 STRUCK UNIT 1 PUSHING UNIT 1 INTO THE CROSSBUCK ADJACENT TO THE CROSSING.

MANNER OF COLLISION OR IMPACT

6

- 1 NOT COLLISION BETWEEN TWO VEHICLES IN TRANSPORT
- 2 REAR-END
- 3 HEAD-ON
- 4 REAR-TO-REAR
- 5 BACKING
- 6 ANGLE
- 7 SIDEWIPES, SAME DIRECTION
- 8 SIDEWIPES, OPPOSITE DIRECTION
- 9 UNKNOWN

SCHOOL BUS RELATED

1

- 1 NO
- 2 YES, DIRECTLY INVOLVED
- 3 YES, INDIRECTLY INVOLVED
- 4 UNKNOWN

WORK ZONE RELATED

1

- 1 NO
- 2 YES
- 3 UNKNOWN

TYPE OF WORK ZONE

1

- 1 LANE CLOSURE
- 2 LANE SHIFT/CROSSOVER
- 3 WORK ON SHOULDER OR MEDIAN
- 4 INTERMITTENT MOVING WORK
- 5 OTHER

LOCATION OF CRASH IN WORK ZONE

1

- 1 BEFORE FIRST WORK ZONE WARNING SIGN
- 2 ADVANCE WARNING AREA
- 3 TRANSITION AREA
- 4 ACTIVITY AREA

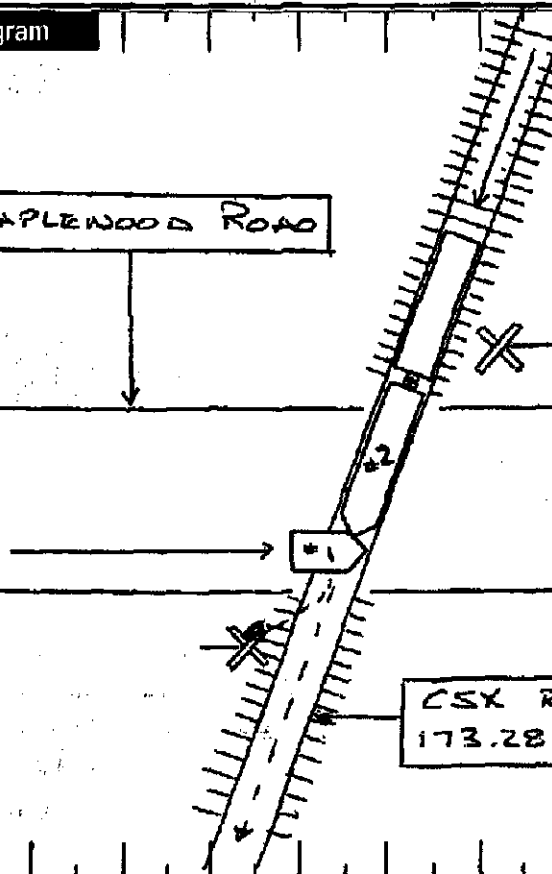
WORKERS PRESENT

1

- 1 NO
- 2 YES
- 3 UNKNOWN

Diagram

MAPLEWOOD ROAD



Write an "N" on the compass diagram to indicate the direction of north.

WEATHER

04

- 01 CLEAR
- 02 CLOUDY
- 03 FOG, SMOG, SMOKE
- 04 RAIN
- 05 SLEET, HAIL (FREEZING RAIN DRIZZLES)
- 06 SNOW
- 07 SEVERE CROSSWINDS
- 08 BLOWING SAND, SOIL, DIRT, SNOW
- 09 OTHER
- 10 UNKNOWN

LIGHT CONDITIONS

Primary Secondary

1 2

- 1 DAYLIGHT
- 2 DAWN
- 3 DUSK
- 4 DAWN - LIGHTED ROADWAY
- 5 DARK - NOT LIGHTED
- 6 DARK - UNKNOWN LIGHTING
- 7 GLARE
- 8 OTHER
- 9 UNKNOWN

Truck/Bus

UNIT #

1 2

THE CRASH INVOLVED ONE OR MORE OF THE FOLLOWING:
A TRUCK (MOTOR VEHICLE) WITH A GVWR MORE THAN 10,000 POUNDS OR
A TRUCK (MOTOR VEHICLE) WITH A HAZARDOUS MATERIALS PLACARD OR
A BUS DESIGNED FOR AT LEAST 8 PERSONS, INCLUDING DRIVER.

COMPANY (FROM SHIPPING PAPERS)

Address (Street, City, St, Zip Code)

AND

THE CRASH RESULTED IN ONE OR MORE OF THE FOLLOWING:
A FATALITY; OR
AN INJURY REQUIRING TRANSPORTATION FOR IMMEDIATE MEDICAL TREATMENT; OR
AT LEAST ONE VEHICLE WAS TOWED DUE TO DRAMATIC DAMAGE OR REQUIRED INTERVENEING ASSISTANCE BEFORE PROCEEDING UNDER ITS OWN POWER.

COMPANY PHONE

US DOT

ICC MC

PUCD

TRAILER LP ST.

TRAILER LP YEAR

TRAILER LP #

SPRINT

171

CARGO BODY TYPE

- 01 NOT APPLICABLE
- 02 BUS (8-15 INCLUDING DRIVER)
- 03 VAN/ENCLOSED BOX
- 04 GRAB/CRUSH/GRAYEL

- 05 POLE
- 06 CANOE/TIMB
- 07 FLATBED
- 08 DUMP

- 09 CONCRETE MIXER
- 10 AUTO TRANSPORTER
- 11 GARBAGE/REFUSE
- 12 OTHER
- 13 UNKNOWN

Weight (GVWR)

- 1 LESS THAN 10,000
- 2 10,001 - 26,000
- 3 MORE THAN 26,000

CDL CLASS

- 1 CLASS A
- 2 CLASS B
- 3 CLASS C
- 4 CLASS M
- 5 CLASS D

Hazardous Materials Placed

- 1 No
- 2 Yes
- 3 Unknown

Hazardous Materials Released

- 1 No
- 2 Yes
- 3 NOT APPLICABLE
- 4 UNKNOWN

Police Action

10172005 1655 1655 1707 1755 60 120

OFFICER'S NAME

1604 SGT. SWINDELL

CHECKED BY

10222005

DATE REPORT FILED

REPORT TAKEN BY

- 1 POLICE AGENCY
- 2 MOTORIST

REPORT TAKEN AT

- 1 SCENE
- 2 STATION
- 3 OTHER

87-803-87

TRAFFIC CRASH REPORT- OCCUPANT ADDENDUM

OH-1-P (Rev. 11/09)

LOCAL REPORT # *

87-803-87

PLATE #

OH P 87

REPORTING AGENCY *

OHIO STATE PATROL

DATE OF CRASH *

10172005

E

02

NAME (LAST, FIRST, MIDDLE)

McCLendon, GLEN W.

HOME PHONE #

(216) 473832

DATE OF BIRTH

06181951 54 M

ADDRESS (STREET, CITY, STATE, ZIP CODE)

5135 WINDY KNOLL CT. FT. WAYNE, IN. 46809

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

F

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

G

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

H

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

I

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

J

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

K

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

DATE OF BIRTH

ADDRESS (STREET, CITY, STATE, ZIP CODE)

INJURED TAKEN BY
1 NONE 4 OTHER
2 EMS 5 UNKNOWN
3 POLICE

TRANSPORTED BY

INJURED TAKEN TO

01 E

SEATING POSITION
01 FRONT - LEFT (MC DRIVER)
02 FRONT - MIDDLE
03 FRONT - RIGHT
04 SECOND - LEFT (MC PASS)
05 SECOND - MIDDLE
06 SECOND - RIGHT
07 THIRD - LEFT
(MC PASSENGER/SIDE CUR)
08 THIRD - MIDDLE
09 THIRD - RIGHT
10 SLEEPER SECTION OF CAB
11 ENCLOSED CARGO AREA
12 UNENCLOSED CARGO AREA
13 TRAILING UNIT
14 EXTERIOR
15 OTHER
16 NON-MOTORIST
17 UNKNOWN

01 E

SAFETY EQUIPMENT
01 NONE USED
02 SHOULDER BELT ONLY
03 LAP BELT ONLY
04 SHOULDER/LAP BELT
05 CHILD SAFETY SEAT
06 MC HELMET USED
07 USE UNKNOWN
08 NONE USED
09 HELMET USED
10 PROTECTIVE PADS
11 REFLECTIVE CLOTHING
12 LIGHTING
13 OTHER
14 UNKNOWN

S

AIR BAG
1 NOT DEPLOYED
2 DEPLOYED-FRONT
3 DEPLOYED-SIDE
4 DEPLOYED BOTH
FRONT/SIDE
5 NOT APPLICABLE
6 UNKNOWN

3

AIR BAG SWITCH
1 IN ON POSITION
2 IN OFF POSITION
3 NOT PRESENT
4 UNKNOWN

1

EJECTION
1 NOT EJECTED
2 TOTALLY EJECTED
3 PARTIALLY EJECTED
4 NOT APPLICABLE
5 UNKNOWN

1

TRAPPED
1 NOT TRAPPED
2 EXTRACTED BY
MECHANICAL
MEANS
3 FREED BY
NON-MECHANICAL
MEANS
4 UNKNOWN

1

INJURED
1 NO INJURY
2 POSSIBLE
3 NON-
INCAPACITATING
4 INCAPACITATING
5 FATAL INJURY
6 UNKNOWN

BLANK FOR
WITNESS

Signature

X = Yes



The Public Utilities
Commission of Ohio

Public Utilities Commission of Ohio
Rail Division
180 East Broad Street
Columbus, OH 43215

Diagnostic Review Team Survey

Date: 9/15/10 1030 AM

Location Data

Street or Road Name: SNYDER ROAD			
Route/Road Number (i.e. Twp., Co., SR or US) TR 190 (include SLM if State or US route)		AAR-DOT No.: 142-3434	
County: DEFIANCE	Township: RICHLAND	City: (In or Near) DEFIANCE	
Railroad Name: CSX	Railroad Division: CHICAGO	Branch/Line Name:	
Nearest RR Timetable Station:		RR Milepost: BI 80.98	

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. GEORGE MARTIN PUCO 614-752-9107
2. Bruce Colwell Richland Twp 419-770-2626 cell
3. Dwight Schnoeder CSX 419-615-8436
4. Tod Darfus ORIX 614-374-9298
5. Richard Builford CSX 419-344-5137
6. J. RL RICHLAND TWP 419-784-5193
- 7.
- 8.
- 9.
- 10.

Existing Traffic Control Devices

Type of Warning Devices	Installed?		Quantity/Comments	
Advance Warning Signs	☒ Yes	☐ No	2	
'Stop' Signs	☐ Yes	☒ No		
'Stop Ahead' Signs	☐ Yes	☒ No		
Pavement Markings	☒ Yes	☐ No	2	
Crossbucks	☒ Yes	☐ No	2	
Number of Tracks Signs	☒ Yes	☐ No	1	
Inventory Tags	☒ Yes	☐ No	1	
Interconnected Highway Traffic Signal	☐ Yes	☒ No		
Mast-Mounted Flashing Lights	☐ Yes	☒ No		
Cantilever Flashing Lights	☐ Yes	☒ No	Number:	Length:
Side Lights	☐ Yes	☒ No		
Automatic Gates	☐ Yes	☒ No	Number:	Length:
Bells	☐ Yes	☒ No		
Sidewalk Gate Arms	☐ Yes	☒ No		
'No Turn' Signs	☐ Yes	☒ No		
Illumination	☐ Yes	☒ No		
Is crossing flagged by train crew?	☐ Yes	☒ No		
Other	☒ Yes	☐ No	NB- NO TRUCKS SIGN	

Safety Data (Obtain crash reports, if possible, prior to review)		
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking 191	Date Run: 8/23/10	
Railroad Data		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	40	60 - 80
< 1 per day		
Day thru trains	13	
Night thru trains	26	
Daytime switching movements	1	
Nighttime switching movements		
Total number of tracks	2	
Number of main tracks	2	
Number of other tracks	0	
Maximum train speed	60	
Typical train speed	55	
Amtrak	NO	
If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☒ Yes ☐ No SB MAY NOT BE 1,140 FEET		
If multiple tracks, can two trains occupy crossing at the same time? ☒ Yes ☐ No		
Can one train block the motorists' view of another train at crossing? ☒ Yes (Explain below) ☐ No		
Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☒ No		
If yes, Crossing DOT #(if different) _____		
If yes, distance _____ (take measurement between track centerlines at closest point along roadway)		
Roadway Data		
Local Highway Authority: RICHLAND TOWNSHIP (Who maintains this roadway?)		
Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	117 (2008)	SAME
Highway paved	☒ Yes ☐ No	☒ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____		
Roadway width: 16 ft.		
Number of highway lanes	2	2
Urban or Rural?	RURAL	RURAL
Vehicle Speed: 55 MPH		
School Bus Operation: ☐ No ☒ Yes 2 Amount		
Hazardous Materials Trucks: ☐ No ☒ Yes 3% Amount PROPANE, ANTI-DROUS AMMONIA		
Shoulders: ☒ No ☐ Yes		
Is the shoulder surfaced? ☒ No ☐ Yes		
Is there existing guardrail along roadway in crossing vicinity? ☒ No ☐ Yes		
Is stopping site distance adequate? (See Table 2) ☒ Yes ☐ No If no, deficient approach(es) _____		

Quadrant _____ Curb and Gutter: ☐ Functional (Curb height = 4" or more) ☐ Non-functional (Curb height = Less than 4") ☒ None	Quadrant _____ Curb and Gutter: ☐ Functional (Curb height = 4" or more) ☐ Non-functional (Curb height = Less than 4") ☒ None
Pedestrians: ☒ No ☐ Yes	
Is sidewalk present? ☒ No ☐ Yes	
Is there a nearby intersection that could cause queuing over the crossing? ☒ No ☐ Yes If yes, Distance _____	
Is this intersection signalized? ☒ No ☐ Yes	
Are the signals currently interconnected with the existing crossing warning devices? ☒ No ☐ Yes	
Is it the consensus of the Diagnostic Review Team that this is a potential closure project? ☒ No ☐ Yes Explain reasons:	

Type of Development

☒ Open Space ☐ Industrial ☒ Residential	☐ Institutional ☐ Commercial FARMS	Location of nearby schools: 3 1/2 MILES
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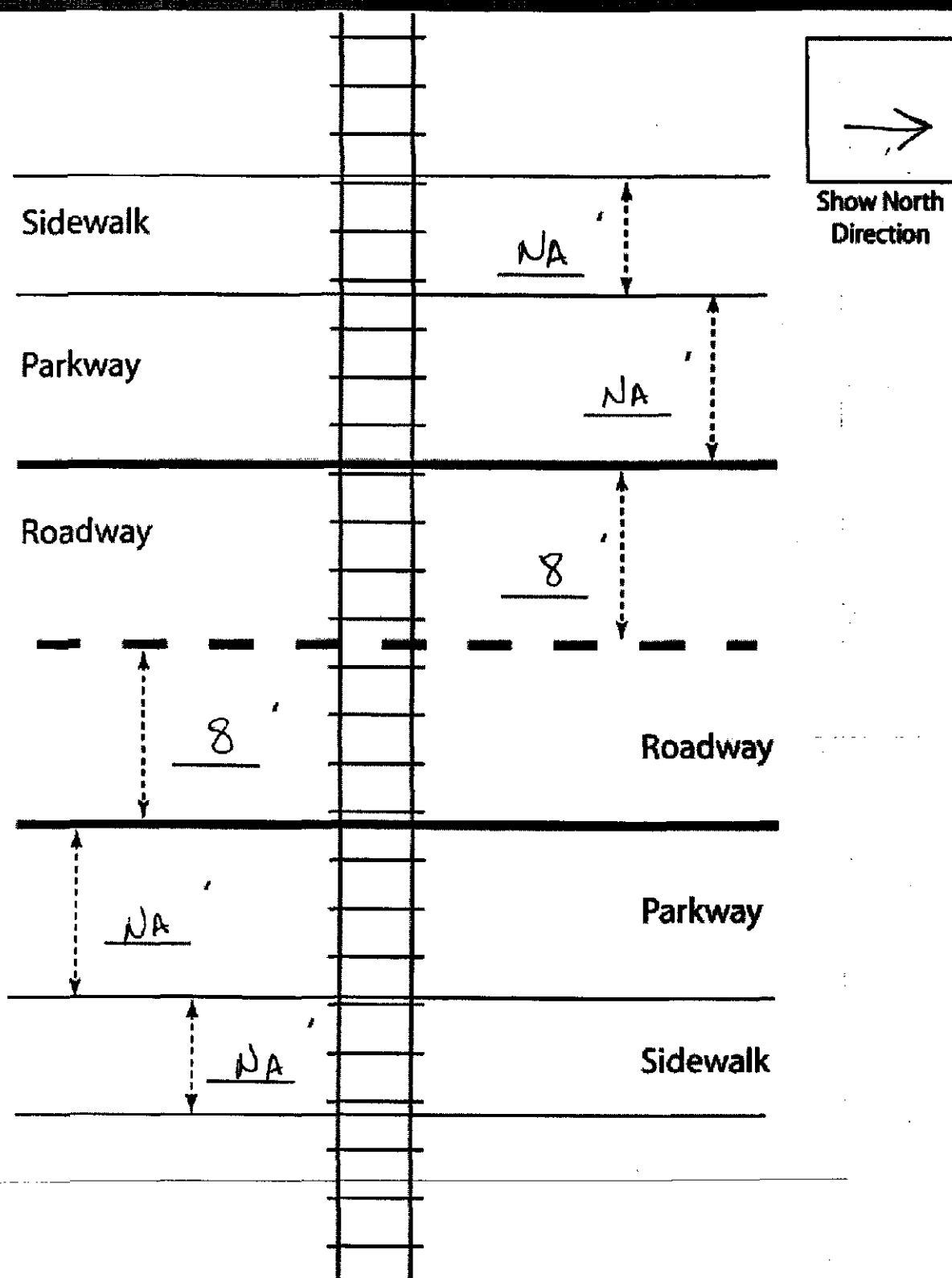
Utility Information

Is commercial power available? ☐ No ☒ Yes	
Utility Provider (Company Name) <u>TOLEDO EDISON</u>	Phone Number _____
Nearest Available Power Source <u>AT XING</u>	
What other utilities are present? <u>UG FIBER OPTIC CABLE</u>	
Is there potential utility conflict(s) ☐ Yes ☐ No ☒ Unknown	

Diagnostic Team Recommendations

	Quadrants Needed
☒ Install/upgrade active devices	
☐ Automatic Flashing Lights (AFLS)	
☐ AFLS / Cants	
☒ AFLS / Gates	
☐ AFLS / Gates / Cants	
☐ Upgrade circuitry	
☐ Sidelights	
☐ Guardrail Needed	
☐ Install/Replace curb	
☐ Other (define)	
Comments:	
☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

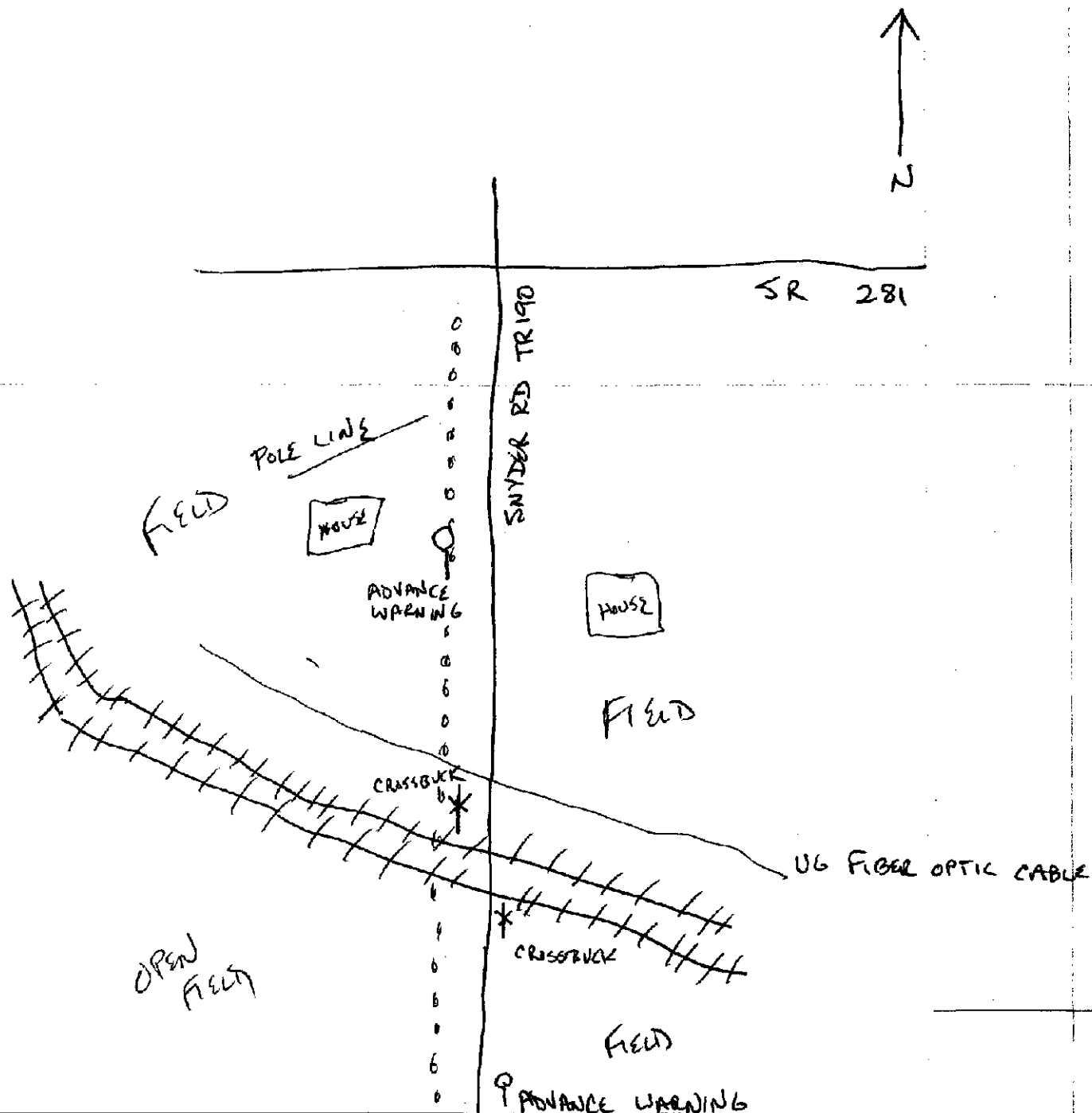
Field Dimensions



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

Measurements by: Gm

Field Sketch



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

Sketch by: Gm

TABLE 1

Clearing Sight Distances

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

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

Notes:

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

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

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

Table 2

Stopping Sight Distances

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

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

Notes:

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

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

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