

FILE

RECEIVED-DOCKETING DIV

2009 MAY -6 AM 10:41

Public Utilities
Commission of Ohio

PUCO

Memo

To: Docketing Division
From: George Martin, Grade Crossing Planner, Rail Division
Re: In the matter of the authorization of CSX Transportation to install active grade crossing warning devices in Marion, Union and Morrow Counties
Date: May 6, 2009

The Ohio Rail Development Commission (ORDC) has authorized funding for CSX Transportation (CSX) to install flashing lights and roadway gates at the following locations:

Marion County, Village of Caledonia, Main St, 262-055K

Marion County, Village of Caledonia, High St, 262-056S

Union County, Paris Township, Westlake-Lee Rd, 513-817H

Union County, Paris Township, Dog Leg Rd, 513-818P

Morrow County, Washington Township, Marion-Johnsville Rd, 518-336G

These crossings were surveyed by staff, ORDC, CSX and local authorities between March 31, 2009 and April 2, 2009 and were found to warrant upgrades.

These projects will be federally funded and will be actual cost. Staff requests an Entry with plans and estimates to be submitted to the Commission within 90 days and completion within one. Staff notes that CSX has requested in teleconferences and in-person meetings that when a group of crossings is authorized at the same time, that the deadline be staggered so that all of the crossings do not have the same deadline. CSX may request extensions of time per the Ohio Administrative Code for reasons beyond its control in the event a deadline cannot be met. A suggested case coding and heading would be:

PUCO Case No. 09- **387** -RR-FED In the matter of the authorization of CSX transportation to install active grade crossing warning devices in Marion, Union and Morrow Counties

C: Legal Department

Please serve the following parties of record.

Ms Susan Kirkland
Ohio Rail Development Commission
50 W Broad St, 15th Floor
Columbus, Oh 43215

Mr Benjamin Biesterveld
CSX Transportation
500 Water Street, J-301
Jacksonville, Fl 32202

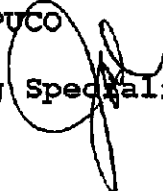
Ms. Maureen Welch, Mayor
110 E Main St
PO Box 110
Caledonia, Oh 43314

Mr Dwain Peak, Trustee
3900 CR 29
Mt Gilead, Oh 43338

Mr Tom Messerly
Union County Engineer's Office
233 W Sixth St
Marysville, Oh 43040

OHIO RAIL DEVELOPMENT COMMISSION INTEROFFICE COMMUNICATION

TO: George Martin, Railroad Division, PUCO
FROM: Joseph N. Reinhardt, Grade Crossing Specialist
SUBJECT: Grade Crossing Warning Projects
DATE: May 1, 2009



You may authorize the following warning projects to proceed with the non-field work involved with the below mentioned non-lump sum project. 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.

Project List

CSX Transportation:

Marion County, Main Street, DOT 262055K
Marion County, High Street, DOT 262056S
Morrow County, Marion-Johnsville, DOT 518336G
Union County, Westlake-Lee Road, DOT 513817H
Union County, Dog Leg Road, DOT 513818P

Thank you for your assistance with these matters.

JR:jnr

c: S. Kirkland - Files (J. Reinhardt)



Diagnostic Review Team Survey

Date: 4/2/09 11 AM

Location Data

Street or Road Name:

HIGH STREET

Route/Road Number (i.e.
Twp., Co., SR or US)

(include SLM if State or US route)

AAR-DOT
No.:

262-0565

County:

MARION

Township:

City: (In
or Near)

IN CALEDONIA

Railroad
Name:

CSX

Railroad
Division:

INDIANAPOLIS

Branch/Line
Name:

Nearest RR

Timetable Station:

CALEDONIA

RR Milepost:

91.81

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. GEORGE MARTIN PUCO 614-752-9107
2. Ed MIRACLE Council 419-845-2557
3. Joe Reinhardt ORIX 614-644-0291
4. Jim Allarding CSX 419 618-1847
5. Maureen Welch Mayor 419-845-2323
6. Jacob Page Council 419-845-2999
7. Joe Hatch GLEN-GERT 419 845 3321
8. Matt Kokas First Consolidated F.R. 419 845-3332
9. Tim Moomy CLARION TWP TRISTEE 419-845-3730
10. Timothy Rosten Council 740-361-4845

Existing Traffic Control Devices

Type of Warning Devices	Installed?		Quantity/Comments
Advance Warning Signs	☒ Yes	☒ No	
'Stop' Signs	☐ Yes	☒ No	
'Stop Ahead' Signs	☐ Yes	☒ No	
Pavement Markings	☐ Yes	☒ No	
Crossbucks	☒ Yes	☐ No	
Number of Tracks Signs	☐ Yes	☒ No	
Inventory Tags	☒ Yes	☐ No	2
Interconnected Highway Traffic Signal	☐ Yes	☒ No	
Mast-Mounted Flashing Lights	☒ Yes	☒ No	2
Cantilever Flashing Lights	☒ Yes	☐ No	Number: 1 Length: 22
Side Lights	☒ Yes	☐ No	1
Automatic Gates	☐ Yes	☒ No	Number: Length:
Bells	☐ Yes	☒ No	
Sidewalk Gate Arms	☐ Yes	☒ No	
'No Turn' Signs	☐ Yes	☒ No	
Illumination	☒ Yes	☐ No	1
Is crossing flagged by train crew?	☐ Yes	☒ No	
Other	☐ Yes	☒ No	

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

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 5/10/2005	
Hazard Ranking 108	Date Run: 3/4/09	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	18	
< 1 per day		
Day thru trains	9	
Night thru trains	9	
Daytime switching movements		
Nighttime switching movements		
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks		
Maximum train speed	60	
Typical train speed		
Amtrak	NO	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☒ Yes ☐ NoIf multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☒ NoCan one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☒ NoAre 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?)

VILLAGE OF CALEDONIA

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	691 (2001)	
Highway paved	☒ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____		
Roadway width: 26 ft.		
Number of highway lanes 2		
Urban or Rural?	URBAN	
Vehicle Speed: 25 MPH		

School Bus Operation: ☐ No ☒ Yes 6 AmountHazardous Materials Trucks: ☒ No ☐ Yes _____ Amount

ANTYDROPS, FUEL OIL, PROPANE

Shoulders: ☒ No ☐ YesIs the shoulder surfaced? ☒ No ☐ YesIs there existing guardrail along roadway in crossing vicinity? ☐ No ☐ YesIs 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	Location of nearby schools: 1/2 MILE
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Utility Information

Is commercial power available? ☐ No ☒ Yes

Utility Provider (Company Name) FIRST ENERGY Phone Number _____

Nearest Available Power Source AT XING

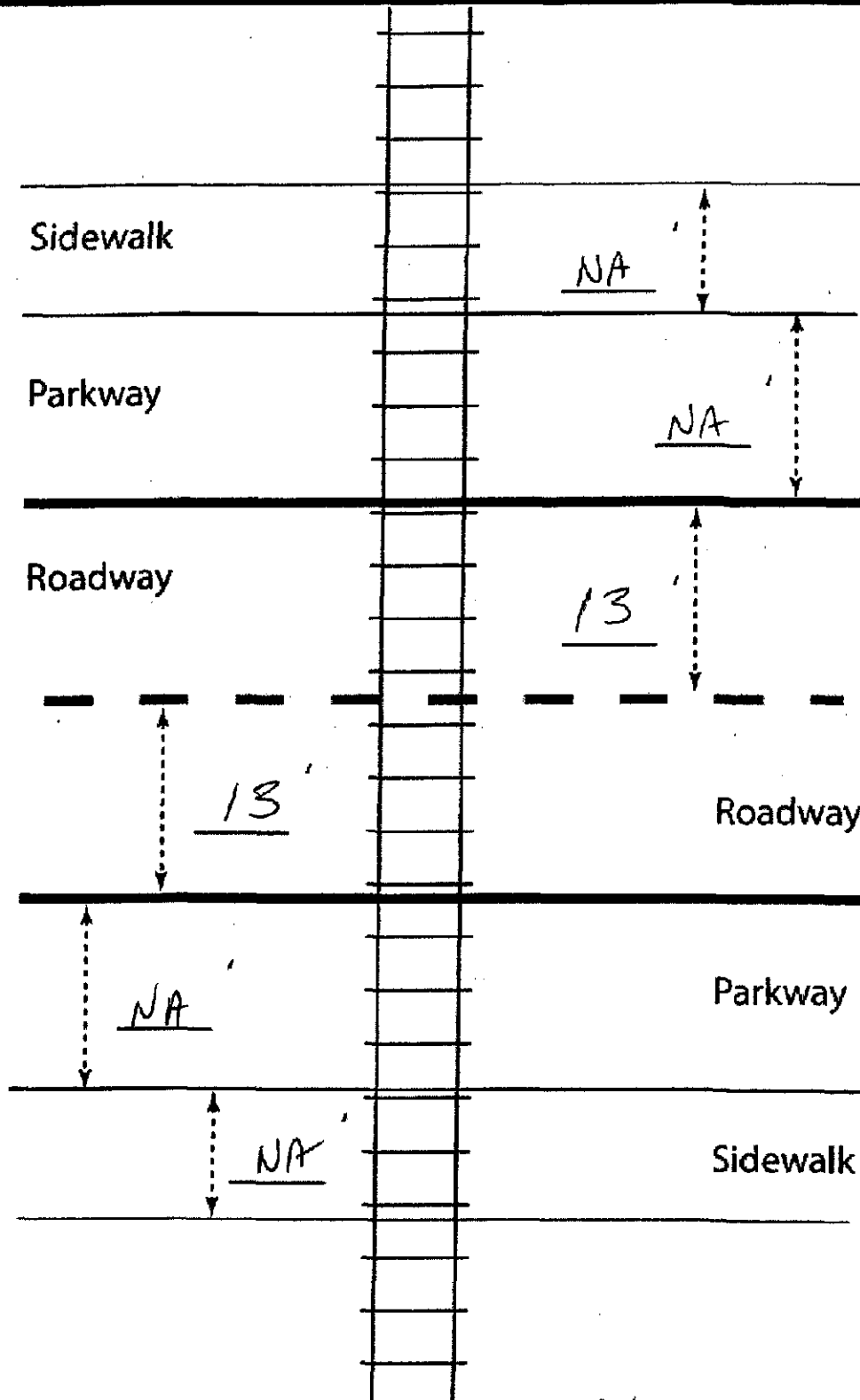
What other utilities are present? GAS, WATER, SEWER

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

Diagnostic Team Recommendations

	Quadrants Needed
☐ Install/upgrade active devices	
☐ Automatic Flashing Lights (AFLS)	
☒ AFLS / Cants	4/2/09 1 CANT
☐ AFLS / Gates	ALSO UPGRADE CIRCUITRY AT
☐ AFLS / Gates / Cants	AT MAIN & WATER- ALSO
☐ Upgrade circuitry	POTENTIAL COST-WISE FOR
☐ Sidelights	GATES
☐ Guardrail Needed	
☐ Install/Replace curb	
☐ Other (define)	
Comments:	4/7/09 - PER JOE REINHARDT - UPGRADE TO LIGHTS & GATES AT HIGH ST AND WATER MAIN ST, DOT 262-055K
☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

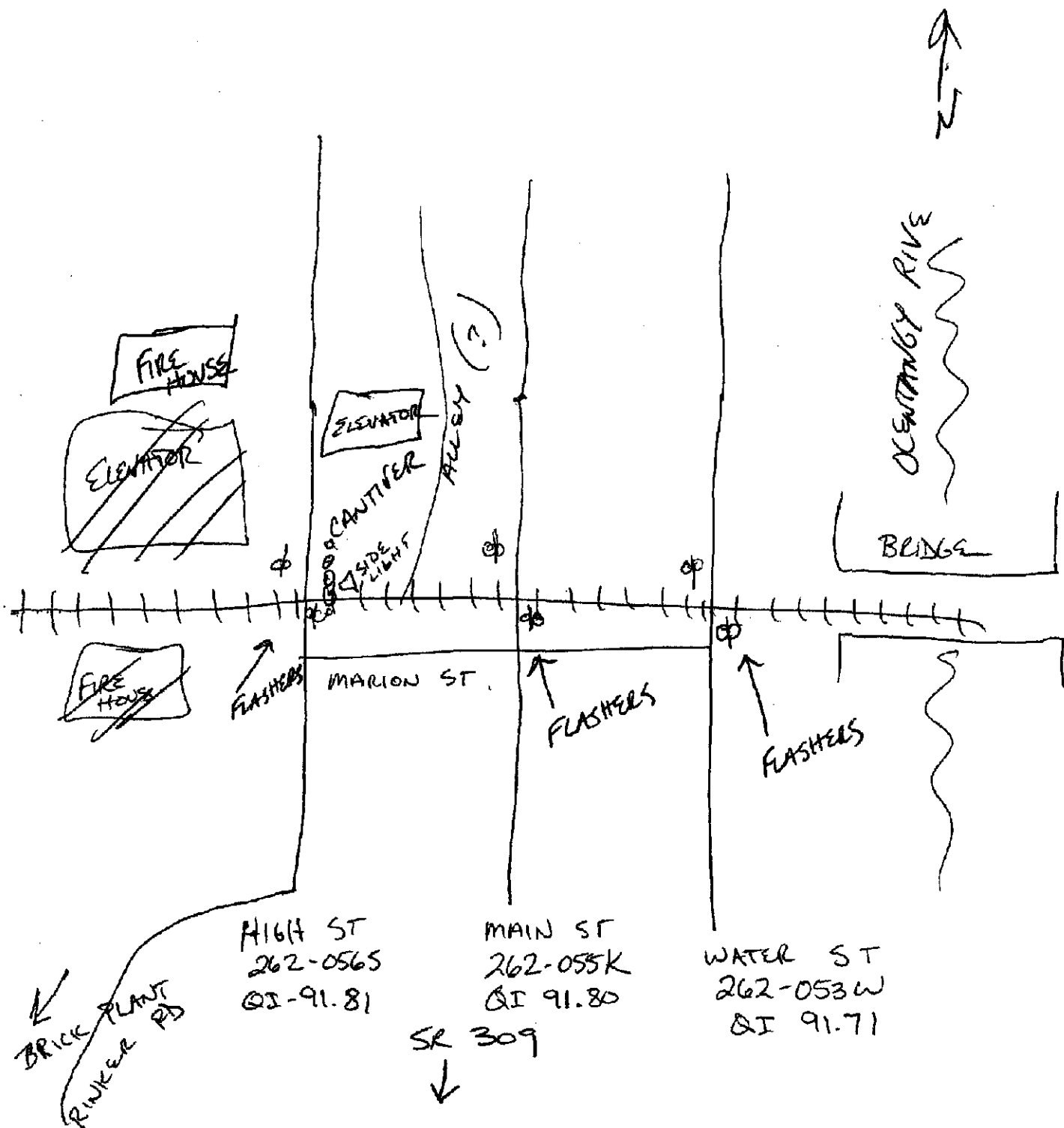
Field Dimensions



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

Measurements by: _____

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 FPO
2 INJURY 4 UNKNOWN

PRIVATE PROPERTY
KEY/SIGNS
1 NOT HND/SGP
2 SOLVED
3 UNSOLVED

PHOTOS TAKEN
X

OH-2 OH-3 OH-1P OTHER
X X X X

51-0389-51 3

011 P51 STATE HIGHWAY PATROL 02 01 50 = ANIMAL 89 = UNKNOWN 05102005

1135 TUE X CALEDONIA 51

CRASH LOCATION: NORTH HIGH ST.
TYPE LOC: 1
REFERENCE POINT USED: 1 NAMED STREET 3 NUMBERED ROUTE
2 NUMBERED STREET
DIST REFERENCE: 56K 5 RINKER RD.
REF POST: 02
REFERENCE POINT USED: 01 STATE LINE 02 INTERSECTION 2 STREETS 03 COUNTY LINE
04 HOUSE NUMBER 05 TOWNSHIP BOUNDARY 06 PLACE NAME W/O REFERENCE 07 CORPORAION LIFT 08 DRIVEWAY 09 STREET ON ROUTE W/O REFERENCE

01 01 NAME (LAST, FIRST, MIDDLE): SITES, DONALD CRIS
ADDRESS (STREET, CITY, STATE, ZIP CODE): 111 ROEBLING ST. BROOKLYN NY 91111
HOME PHONE # 06021970 34 M 78-209-3990
WORK PHONE #
DL STATE: IL LP STATE: IL LP # 1435214 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:

OWNER NAME (IF SAKE, WRITE "EASE"): SIGEL CARTAGE Co.
ADDRESS (STREET, CITY, STATE, ZIP CODE): RR1 BOX 130 FARINA, IL 62838
YEAR: 2002 MAKE: INTERNATIONAL MODEL: RACE 900 COLOR: WHITE INSURANCE COMPANY: NORTHWOOD INS. TOWNS SERVICE: ROAD SERVICE DRIVER PHONE # 618-267-3200
OFFENSE CHARGED: 511.62ALAY.45 OFFENSE DESCRIPTION: RAILROAD CROSSING VIOLATION U 520673

02 02 NAME (LAST, FIRST, MIDDLE):
ADDRESS (STREET, CITY, STATE, ZIP CODE):
DL STATE: DL # LP STATE: LP # 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:

OWNER NAME (IF SAKE, WRITE "EASE"): CSX TRANSPORTATION
ADDRESS (STREET, CITY, STATE, ZIP CODE): 108 S. THOMAS ST. CRESTONE, OHIO 44827
YEAR: 2004 MAKE: GENERAL MODEL: SD70AE COLOR: BLUE/YELLOW INSURANCE COMPANY: SELF INS. TOWNS SERVICE: DRIVER PHONE # 44-683-4972
OFFENSE CHARGED: OFFENSE DESCRIPTION:

NAME (LAST, FIRST, MIDDLE): WHITEHIRE, JOHN ROBERT HOME PHONE # 44-845-3284 0330193570 M
ADDRESS (STREET, CITY, STATE, ZIP CODE): 315 NORTH HWY ST. CALEDONIA, OHIO 43344
NAME (LAST, FIRST, MIDDLE): KOKAS, JOHN HOME PHONE # 770-223-3840 1204197628 M
ADDRESS (STREET, CITY, STATE, ZIP CODE): 1197 WOODBINE AVE. WARREN, OHIO 43302

01 04
SEATING POSITION: 01 FRONT - LEFT (DRIVER) 02 FRONT - MIDDLE 03 FRONT - RIGHT 04 SECOND - LEFT (PASS) 05 SECOND - MIDDLE 06 SECOND - RIGHT 07 THIRD - LEFT (PASS/SEAT) 08 THIRD - MIDDLE 09 THIRD - RIGHT 10 SEATED/STANDING OF CAB 11 ENCLOSED CARGO AREA 12 UNENCLOSED CARGO AREA 13 TRAILER UNIT 14 EXTENSION 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 NONE USED 09 HELMET USED 10 PROTECTIVE PADS 11 REFLECTIVE CLOTHING 12 LIGHTING 13 OTHER 14 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 EXTRICATED BY MECHANICAL MEANS 3 FREED BY NON-MECHANICAL MEANS 4 UNKNOWN
INJURIES: 1 NO INJURY 2 POSSIBLE 3 MINOR 4 INCAPACITATING 5 FATAL INJURY 6 UNKNOWN

BLANK FOR WITNESS

HSY7081

UNIT NUMBERS

01 02

NON-MOTORIST LOCATION

- 01 MARKED CROSSWALK AT INTERSECTION
02 INTERSECTION NO CROSSWALK
03 NON-INTERSECTION CROSSWALK
04 DRIVEWAY ACCESS CROSSWALK
05 IN ROADWAY
06 NOT IN ROADWAY
07 MEDIAN (BUT NOT SHOULDER)
08 ISLAND
09 SHOULDER
10 SIDEWALK
11 WITHIN 10 FEET OF ROADWAY (NOT SHOULDER, MEDIAN, SIDEWALK, ISLAND)
12 BEYOND 10 FEET OF ROADWAY (OTHER TRAFFICWAY)
13 OUTSIDE TRAFFICWAY
14 SHOULDER USE PATHS ON TRAILS
15 UNKNOWN

TYPE OF UNIT

13 29

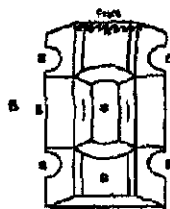
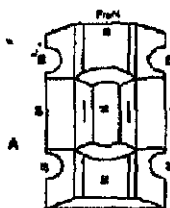
- MOTORIST**
01 SUB-CONTACT
02 CONTACT
03 MID SIDE
04 FULL SIDE
05 MIDWAY
06 SPORT UTILITY VEHICLE
07 PICKUP
08 PANEL/VAN
09 SINGLE UNIT TRUCK
10 2 AXLES, 6 TIRES
11 SINGLE UNIT TRUCK; 3+ AXLES
12 TRUCK/TRAILER
13 TRUCK TRACTOR (BOBTAIL)
14 TRACTOR/SEMI-TRAILER
15 TRACTOR/DOUBLE SHIRT
16 TRACTOR/DOUBLE LONG
17 FIVE WHEELS ON CONVENTION DOLLY
18 TRACTOR/TWHEELS
19 MOTORCYCLE
20 SCHOOL BUS
21 CHURCH BUS
22 PUBLIC BUS
23 OTHER BUS
24 POLICE VEHICLE
25 FIRE TRUCK
26 AMBULANCE/RESCUE
27 TAXI
28 MOTOR HOME
29 TRAM
30 FARM VEHICLE
31 FARM EQUIPMENT
32 SNOWMOBILE
33 CONSTRUCTION EQUIPMENT
34 ALL OTHERS
NON-MOTORIST
35 ANIMAL W/DRIVER
36 ANIMAL W/DRIVER
37 BICYCLE
38 PEDESTRIAN
39 PEDALCYCLIST
40 SKATER
41 OTHER-NON MOTORIST
42 UNKNOWN
IN EMERGENCY RESPONSE

DAMAGE SCALE

4 3

- 1 NONE
2 NON-FUNCTIONAL DAMAGE
3 FUNCTIONAL DAMAGE
4 DISABLING DAMAGE
5 SEVERE
6 UNKNOWN

DAMAGE AREA



MOST DAMAGED AREA

- 01 NONE
02 CENTER FRONT
03 FRONT FRONT
04 FRONT SIDE
05 FRONT REAR
06 REAR CENTER
07 LEFT REAR
08 LEFT SIDE
09 LEFT FRONT
10 TOP AND WINDOWS
11 UNDERCARRIAGE
12 LOAD/RAILERS
13 TOTAL (ALL AREAS)
14 OTHER
15 UNKNOWN

POINT OF IMPACT

12 02

- 01 NONE
02 CENTER FRONT
03 FRONT FRONT
04 FRONT SIDE
05 FRONT REAR
06 REAR CENTER
07 LEFT REAR
08 LEFT SIDE
09 LEFT FRONT
10 TOP AND WINDOWS
11 UNDERCARRIAGE
12 LOAD/RAILERS
13 TOTAL (ALL AREAS)
14 OTHER
15 UNKNOWN

ACTION

24 3

- 1 NON-CONTACT
2 NON-COLLISION
3 STRUCK
4 STRUCK
5 BOTH STRUCK AND STRUCK
6 UNKNOWN

STRIKING VEHICLE:
OVERSIDE/ UNDERSIDE

- 1 NO UNDERSIDE OR OVERSIDE
2 UNDERSIDE, COMPARTMENT INTRUSION
3 UNDERSIDE, NO COMPARTMENT INTRUSION
4 UNDERSIDE, COMPARTMENT INTRUSION UNKNOWN
5 OVERSIDE, MOTOR VEHICLE IN TRANSPORT
6 OVERSIDE, OTHER VEHICLE
7 UNKNOWN

PRE-CRASH ACTIONS

01 01

MOTORIST

- 01 MOVEMENTS ESSENTIALLY STRAIGHT AHEAD
02 BACKING
03 CHANGING LANES
04 OVERTAKING/PASSING
05 TURNING RIGHT
06 TURNING LEFT
07 MAKING U-TURN
08 ENTERING TRAFFIC LANE
09 LEAVING TRAFFIC LANE
10 PARKED
11 BLOWING/STOPPED IN TRAFFIC
12 OVERSLEPT
13 OTHER
14 UNKNOWN
NON-MOTORIST
15 ENTERING/CROSSING IN SPECIFIED LOCATION
16 WALKING, RUNNING, JOGGING, PLAYING, CYCLING
17 WORKING
18 PUSHING VEHICLE
19 APPROACHING/LEAVING VEHICLE
20 PLAYING/WORKING ON VEHICLE
21 STANDING
22 OTHER
23 UNKNOWN

CONTRIBUTING CIRCUMSTANCES

02 01

MOTORIST

- 01 NONE
02 FAILURE TO YIELD
03 RAN RED LIGHT, OR STOP SIGN
04 EXCEEDED SPEED LIMIT
05 UNLAWFUL SPEED
06 IMPROPER TURN
07 LEFT OF CENTER
08 FOLLOWED TOO CLOSELY/WACCA
09 IMPROPER LANE CHANGE/
DROVE OFF ROAD/
IMPROPER PASSING
10 IMPROPER SACING
11 IMPROPER START FROM PARKED POSITION
12 STOPPED OR PARKED ILLEGALLY
13 OPERATING VEHICLE IN EMERGENCY, RECKLESS, CARELESS, NEGLIGENT OR AGGRESSIVE MANNER
14 SWERVING TO AVOID (DUE TO WIND, SLIPPERY SURFACE, VEHICLE, OBJECT, NON-MOTORIST IN ROADWAY, ETC)
15 FAILURE TO CONTROL
16 VISION OBSTRUCTION
17 DRIVER INATTENTION
18 FADDED/ASLEEP
19 OPERATING DEFECTIVE EQUIPMENT
20 LOAD SHIFTING/FALLING/SPILLING
21 OTHER IMPROPER ACTION
22 UNKNOWN
NON-MOTORIST
23 NONE
24 IMPROPER CROSSING
25 DARTING
26 LYING AND/OR ILLEGALLY IN ROADWAY
27 FAILURE TO YIELD RIGHT OF WAY
28 NOT VISIBLE (DARK CLOTHING)
29 INATTENTIVE
30 FAILURE TO OBEY TRAFFIC SIGNS, SIGNALS, OR OFFICER
31 WRONG SIDE OF THE ROAD
32 OTHER
33 UNKNOWN

VEHICLE DEFECT
CODE ONLY 1* 19*
SELECTED ABOVE

- 01 TURN SIGNALS
02 HEAD LAMPS
03 TAIL LAMPS
04 BRAKES
05 STEERING
06 TIRE BLOWOUT
07 WORK ON SUEK TIRES
08 TRAILER EQUIPMENT DEFECTIVE
09 MOTOR TROUBLE
10 DISABLED FROM PREVIOUS CRASH
11 OTHER DEFECTS

SEQUENCE OF EVENTS

20 20
08

PEDESTRIAN COLLECTION

- 01 OVERTURN/ROLLOVER
02 FIRE/EXPLOSION
03 IMBROSION
04 JACKKNIFE
05 CARBON EQUIPMENT LOSS/SHIFT
06 EQUIPMENT FAILURE
07 SEPARATION OF UNITS
08 RAN OFF ROAD RIGHT
09 RAN OFF ROAD LEFT
10 CROSS MEDIAN/CENTERLINE
11 DOWNHILL RUNAWAY
12 OTHER NON-COLLISION
13 UNKNOWN NON-COLLISION
14 COLLISION W/ PERSON, VEHICLE, OR OBJECT NOT COVERED
15 PEDESTRIAN
16 PEDALCYCLE
17 RAILWAY VEHICLE
18 ANIMAL - FARM
19 ANIMAL - OTHER
20 MOTOR VEHICLE IN TRANSPORT
21 PARKED MOTOR VEHICLE
22 WORK ZONE MAINTENANCE EQUIPMENT
23 OTHER MOVABLE OBJECT
24 UNKNOWN MOVABLE OBJECT
25 COLLISION WITH FIXED OBJECT
26 IMPACT ATTENTION/CRASH CUSHION
27 BRIDGE OVERHEAD STRUCTURE
28 BRIDGE PIER OR ABUTMENT
29 BRIDGE PAVEMENT
30 BRIDGE RAIL
31 GUARDRAIL FACE
32 GUARDRAIL END
33 MEDIAN BARRIER
34 HIGHWAY TRAFFIC SIGN POST
35 OVERHEAD SIGN POST
36 LIGHT/ILLUMINANCE SUPPORT
37 UTILITY POLE
38 OTHER POST, POLE OR SUPPORT
39 CULVERT
40 CUTOFF
41 EMBANKMENT
42 FENCE
43 MAILBOX
44 TREE
45 OTHER FIXED OBJECT
46 WORK ZONE MAINTENANCE EQUIPMENT
47 UNKNOWN FIXED OBJECT
48 OTHER
49 UNKNOWN

FIRST HARMFUL EVENT

1 1

OF THE SEQUENCE OF EVENTS - WHICH ONE IS THE FIRST HARMFUL EVENT (1-4)

MOST HARMFUL EVENT

1 1

OF THE SEQUENCE OF EVENTS - WHICH ONE IS THE MOST HARMFUL EVENT (1-4)

SPEED DETECTED

1 1

- 1 STATED
2 ESTIMATED SPEED

SPEED

3
60

POSTED SPEED

25 60

TRAFFIC CONTROL

08

- 01 NO CONTROLS
02 STOP SIGN
03 YIELD SIGN
04 TRAFFIC SIGNAL
05 TRAFFIC FLASHERS
06 SCHOOL ZONE
07 RAILROAD CROSSINGS
08 RAILROAD FLASHING
09 RAILROAD GATES
10 CONSTRUCTION BARRICADE
11 POLICE OFFICER
12 PAVEMENT MARKINGS
13 CROSSWALK LINES
14 WALK/DON'T WALK SIGNAL
15 TRAFFIC CONTROL DEVICE INOPERATIVE, MISSING, OBSCURED
16 OTHER

DIRECTION

2 1 4 3

- 1 NORTH
2 SOUTH
3 EAST
4 WEST
5 NORTHEAST
6 NORTHWEST
7 SOUTHEAST
8 SOUTHWEST
9 UNKNOWN

CONDITION

- 1 APPARENTLY NORMAL
2 PHYSICAL IMPAIRMENT
3 EMOTIONAL
4 ALIEN
5 FELL ASLEEP, FARTED, FATIGUED, ETC
6 UNDER THE INFLUENCE OF MEDICATIONS/DRUGS/ALCOHOL
7 OTHER
8 UNKNOWN
ALCOHOL/DRUG SUSPECTED

- 1 NONE
2 YES - ALCOHOL SUSPECTED
3 YES - HSD NOT IMPAIRED
4 YES - DRUGS SUSPECTED
5 YES - ALCOHOL/DRUGS SUSPECTED
6 UNKNOWN

ALCOHOL TEST STATUS

1 1

- 1 NONE
2 TEST REFUSED
3 TEST GIVEN, CONTAMINATED SAMPLE/UNUSABLE
4 TEST GIVEN, RESULTS KNOWN
5 TEST GIVEN, RESULTS UNKNOWN
6 UNKNOWN

ALCOHOL TEST TYPE

- 1 NONE
2 BLOOD
3 URINE
4 BREATH
5 OTHER

ALCOHOL TEST RESULT

- 1 NONE
2 BLOOD
3 URINE

DRUG TEST STATUS

1 1

- 1 NONE
2 TEST REFUSED
3 TEST GIVEN, CONTAMINATED SAMPLE/UNUSABLE
4 TEST GIVEN, RESULTS KNOWN
5 TEST GIVEN, RESULTS UNKNOWN
6 UNKNOWN

DRUG TEST TYPE

- 1 NONE
2 BLOOD
3 URINE
4 OTHER

DRUG TEST 1&2 RESULT

- 1 NONE
2 MARIJUANA
3 COCAINE
4 CRACKS
5 AMPHETAMINES
6 PCP
7 OTHER
8 UNKNOWN AT TIME OF REPORTING

TYPE OF INTERSECTION

1 1

- 01 NOT AN INTERSECTION
02 FOUR-WAY INTERSECTION
03 T-INTERSECTION
04 Y-INTERSECTION
05 TRAFFIC CIRCLE/ROUNDABOUT
06 FIVE-POINT, OR MORE
07 ON RAMP
08 OFF RAMP
09 CROSSOVER
10 DRIVEWAY/ACCESS
11 RAILWAY GRADE CROSSING
12 SHARED-USE PATHS OR TRAILS
13 UNKNOWN

OCCURRENCE

- 1 ON ROADWAY
2 ON SHOULDER
3 IN MEDIAN
4 ON ROADSIDE
5 ON GOLF
6 OUTSIDE TRAFFICWAY
7 UNKNOWN

ROAD CONTOUR

1 1

- 1 STRAIGHT LEVEL
2 STRAIGHT GRADE
3 CURVE LEVEL
4 CURVE GRADE

ROAD CONDITIONS

01

- 01 DRY
02 WET
03 SNOW
04 ICE
05 SAND, MUD, DIRT, OIL, GRAVEL
06 WATER (STANDING, MOVING)
07 SLUSH
08 DEBRIS
09 RUT, HOLES, BUMPS, UNEVEN PAVEMENT
10 OTHER
11 UNKNOWN

**SECONDARY ROAD CONDITIONS ONLY

51-0389-51

Narrative

UNIT #1 WAS NORTHBOUND ON NORTH HIGH ST.
UNIT #2 WAS EASTBOUND ON THE CSX TRANSPORTATION
RAILROAD TRACKS. UNIT #1 FAILED TO STOP FOR THE
RED FLASHING LIGHTS AND THE APPROACHING TRAINS WHISTLE.
UNIT #1 ATTEMPTED TO CROSS THE RAILROAD TRACKS AND
WAS STRUCK BY UNIT #2. UNIT #1 CAME TO REST ON THE
NORTH SIDE OF THE RAILROAD TRACKS

MANNER OF COLLISION OR IMPACT SCHOOL BUS RELATED

6

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

WEATHER

01

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

LIGHT CONDITIONS

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

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

WORK ZONE RELATED

- 1 NO
- 2 YES
- 3 UNKNOWN

TYPE OF WORK ZONE

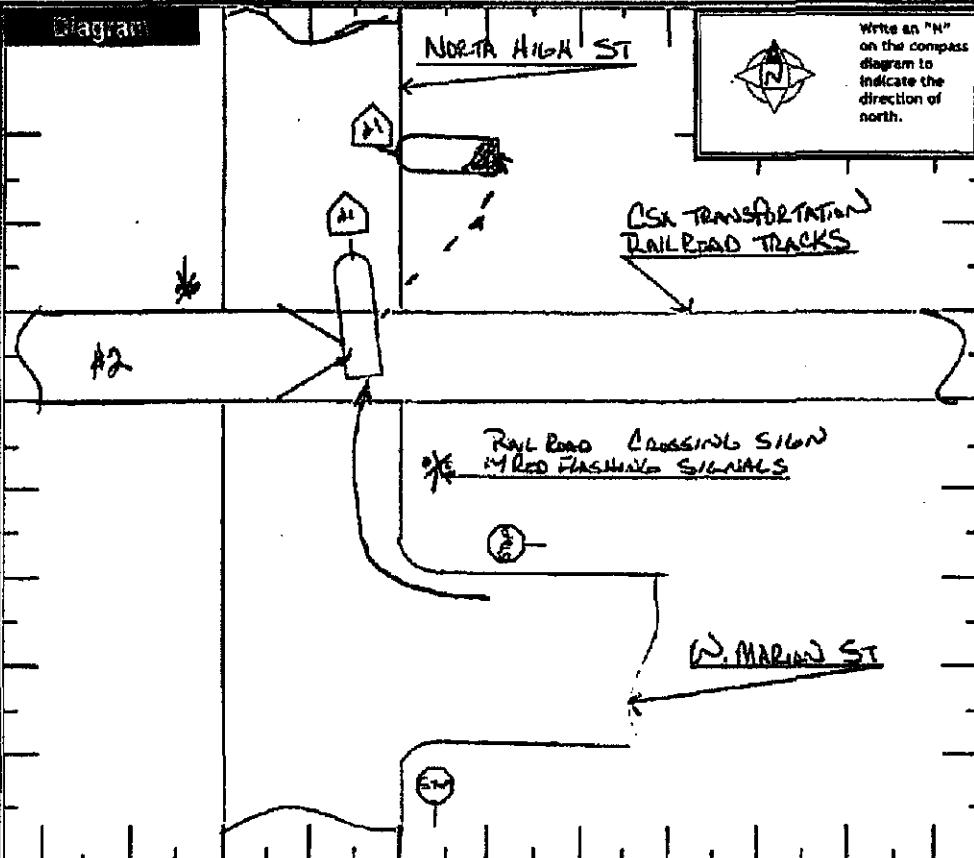
- 1 LAKE CLOSURE
- 2 LAKE SAFETY CROSSOVER
- 3 WORK ON SHOULDER OR MEDIAN
- 4 INTERMITTENT MOVING WORK
- 5 OTHER

LOCATION OF CRASH IN WORK ZONE

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

- 1 NO
- 2 YES
- 3 UNKNOWN

Diagram



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

TRUCK/BUS

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.

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 DISABLING DAMAGE OR REQUIRED INTERVENING ASSISTANCE BEFORE PROCEEDING UNDER ITS OWN POWER.

COMPANY (FROM SHIPPING PAPERS)

SIGEL CARTAGE CO

COMPANY PHONE

(618-267-3700)

ADDRESS (STREET, CITY, ST, ZIP CODE)

RR1 BOX 130 FARINA, IL 62838

US DOT

901579

ICC MC

391172

PUCD

IL

TRAILER LP ST.

205

TRAILER LP YEAR

P435214

CARD BODY TYPE

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

03

- 05 POLE
- 06 CARGO TANK
- 07 FLATBED
- 08 DUMP

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

Weight (GVWR)

- 1 LESS THAN 10,000
- 2 10,001 - 25,000
- 3 MORE THAN 25,000

3

COL Class

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

A

Hazardous Materials Placed

- 1 NO
- 2 YES
- 3 UNKNOWN

1

Hazardous Materials Released

- 1 NO
- 2 YES
- 3 NOT APPLICABLE
- 4 UNKNOWN

1

Police Action

05102005 1138 1138 1145 1440 120 302

Officer's Name

TPR JC O'DONN

539

Checked By

SET L.S. SHERRER

DATE/REPORT FILE #

05162005

REPORT TAKEN BY

- 1 POLICE AGENCY
- 2 MOTORIST

REPORT TAKEN AT

- 1 SCENE
- 2 STATION
- 3 OTHER

TOP COPY - DOPS BOTTOM COPY - AGENCY

51-0389-51

TRAFFIC CRASH REPORT- OCCUPANT ADDENDUM

OMV-9 (Rev. 11/99)

LOCAL REPORT #

51-0389-51

PLATE #

QHP51

REPORTING AGENCY #

STATE HIGHWAY PATROL

DATE OF CRASH #

05/02/05

E	NAME (LAST, FIRST, MIDDLE) WARD, RYAN	HOME PHONE # 449-845-2728	DATE OF BIRTH 10301980	AGE 24	SEX M
ADDRESS (STREET, CITY, STATE, ZIP CODE) 216 SOUTH ST. CALEDONIA, OHIO 43314		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

F	NAME (LAST, FIRST, MIDDLE) DARLING, JACK	HOME PHONE # 740-558-0032	DATE OF BIRTH 11261980	AGE 24	SEX M
ADDRESS (STREET, CITY, STATE, ZIP CODE) 223 MARION ST. GREEN CAMP OHIO 43322		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

G	NAME (LAST, FIRST, MIDDLE)	HOME PHONE #	DATE OF BIRTH	AGE	SEX
ADDRESS (STREET, CITY, STATE, ZIP CODE)		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

H	NAME (LAST, FIRST, MIDDLE)	HOME PHONE #	DATE OF BIRTH	AGE	SEX
ADDRESS (STREET, CITY, STATE, ZIP CODE)		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

I	NAME (LAST, FIRST, MIDDLE)	HOME PHONE #	DATE OF BIRTH	AGE	SEX
ADDRESS (STREET, CITY, STATE, ZIP CODE)		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

J	NAME (LAST, FIRST, MIDDLE)	HOME PHONE #	DATE OF BIRTH	AGE	SEX
ADDRESS (STREET, CITY, STATE, ZIP CODE)		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

K	NAME (LAST, FIRST, MIDDLE)	HOME PHONE #	DATE OF BIRTH	AGE	SEX
ADDRESS (STREET, CITY, STATE, ZIP CODE)		INJURED TAKEN BY 1 HOME 4 OTHER 2 EMS 5 UNKNOWN 3 POLICE		TRANSPORTED BY INJURED TAKEN TO	

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/SEAT CAR) 08 THIRD - MIDDLE 09 THIRD - RIGHT 10 SLEEPER SECTION OF CAR 11 UNOCCUPIED CARGO AREA 12 UNOCCUPIED CARGO AREA 13 TRAILING UNIT 14 EXTENSION 15 OTHER 16 NON-MOTORIST 17 UNKNOWN	SAFETY EQUIPMENT MOTORIST 01 NONE USED 02 SHOULDER BELT ONLY 03 LAP BELT ONLY 04 SHOULDER/LAP BELT 05 CHILD SAFETY SEAT 06 MC HELMET USED 07 LEE UNKNOWN NON-MOTORIST 08 NONE USED 09 HELMET USED 10 PROTECTIVE PADS 11 REFLECTIVE CLOTHING 12 LIGHTING 13 OTHER 14 UNKNOWN	AIR BAG 1 NOT DEPLOYED 2 DEPLOYED-FRONT 3 DEPLOYED-SIDE 4 DEPLOYED BOTH FRONT/SIDE 5 NOT APPLICABLE 6 UNKNOWN	AIR BAG SWITCH 1 IN ON POSITION 2 IN OFF POSITION 3 NOT PRESENT 4 UNKNOWN	EJECTION 1 NOT EJECTED 2 TOTALLY EJECTED 3 PARTIALLY EJECTED 4 NOT APPLICABLE 5 UNKNOWN	TRAPPED 1 NOT TRAPPED 2 EXTORTED BY MECHANICAL MEANS 3 FREED BY NON-MECHANICAL MEANS 4 UNKNOWN	INJURIES 1 NO INJURY 2 POSSIBLE 3 MINOR 4 INCAPACITATING 5 FATAL INJURY 6 UNKNOWN
E	E	E	E	E	E	E
F	F	F	F	F	F	F
G	G	G	G	G	G	G
H	H	H	H	H	H	H
I	I	I	I	I	I	I
J	J	J	J	J	J	J
K	K	K	K	K	K	K

BLANK FOR WRITERS

MSY 8355

TOP COPY - ODPs BOTTOM COPY - AGENCY

SUPPLEMENT
"X" IF YES



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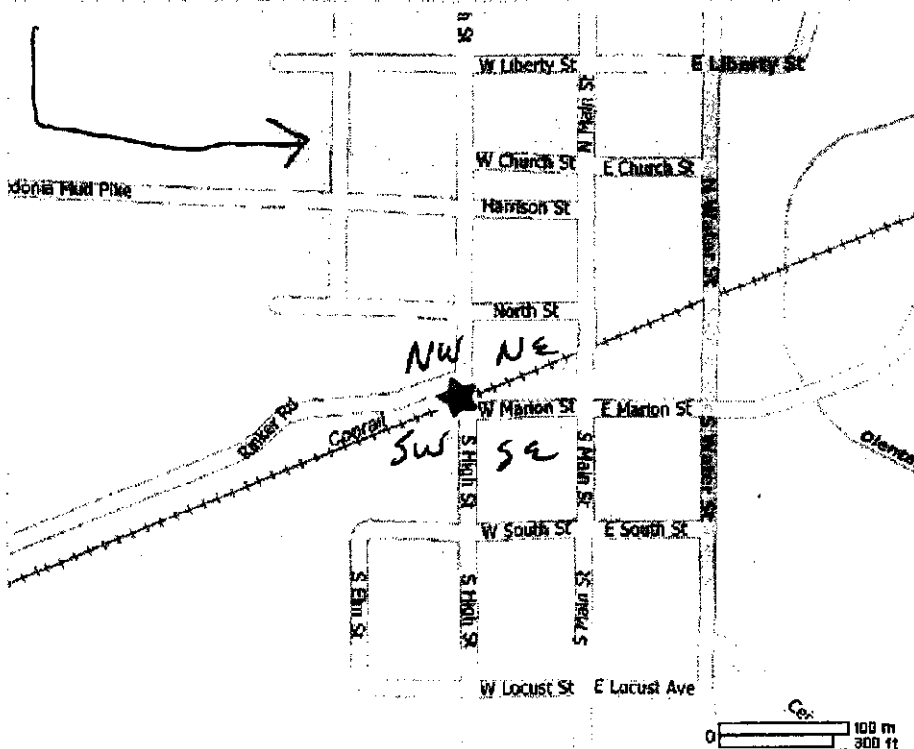
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Maps Directions Yellow Pages Gas Prices

★ Latitude: 40.6366474
Longitude: -82.9701639



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4/2/09

11 AM

33 E TO SR 4 NORTH
(MARION BUCHRUS PIKE)

TURN RIGHT ON LINDA HIPSHER

RIGHT ON NESBITT

LEFT ON CALEDONIA MND PIKE

RIGHT ON HILL ST.



Diagnostic Review Team Survey

Date: 3/31/09 10 AM

Location Data

Street or Road Name:

MARION-JOHNSVILLE RD

Route/Road Number (i.e. Twp., Co., SR or US) TR 59 (include SLM if State or US route)

AAR-DOT

No.:

518-336

County: MORROW

Township: WASHINGTON

City: (In or Near)

NEAR EDISON

Railroad Name: CSX

Railroad Division:

APPALACHIAN

Branch/Line Name:

Nearest RR

Timetable Station:

ST. JAMES

RR Milepost:

OE 88.20

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. GEORGE MARTIN PUCO 614-752-9107
2. Joseph M. Brinkhoff 614-644-0291 ORDC
3. Jim O'Donoghue 419 618-1847 CSX
4. William E. Kerk 419 946 7195 WWP
5. David D. Kerk 419-295-4647 WWP
- 6.
- 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	
Crossbucks	☒ Yes	☐ No	RUMBLE STRIPS BOTH SIDES OF XING
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	HUMPED XING

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

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 11/18/08	
Hazard Ranking 60	Date Run: 3/4/09	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	17	
< 1 per day		
Day thru trains	5	
Night thru trains	12	
Daytime switching movements		
Nighttime switching movements		
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks		
Maximum train speed	60	
Typical train speed		
Amtrak	No	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☒ Yes ☐ NoIf multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☒ NoCan one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☒ NoAre 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 DataLocal Highway Authority:
(Who maintains this roadway?)

WASHINGTON TWP

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	251 (2005)	350
Highway paved	☒ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____		
Roadway width: 18 ft.		
Number of highway lanes	2	
Urban or Rural?	RURAL	
Vehicle Speed: 55 MPH		
School Bus Operation: ☐ No ☒ Yes 4 Amount WITHIN 3 MILES (SCHOOLS)		
Hazardous Materials Trucks: ☐ No ☒ Yes _____ Amount FERTILIZER & PROPANE		
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: WITHIN 3 MILES
--	---	--

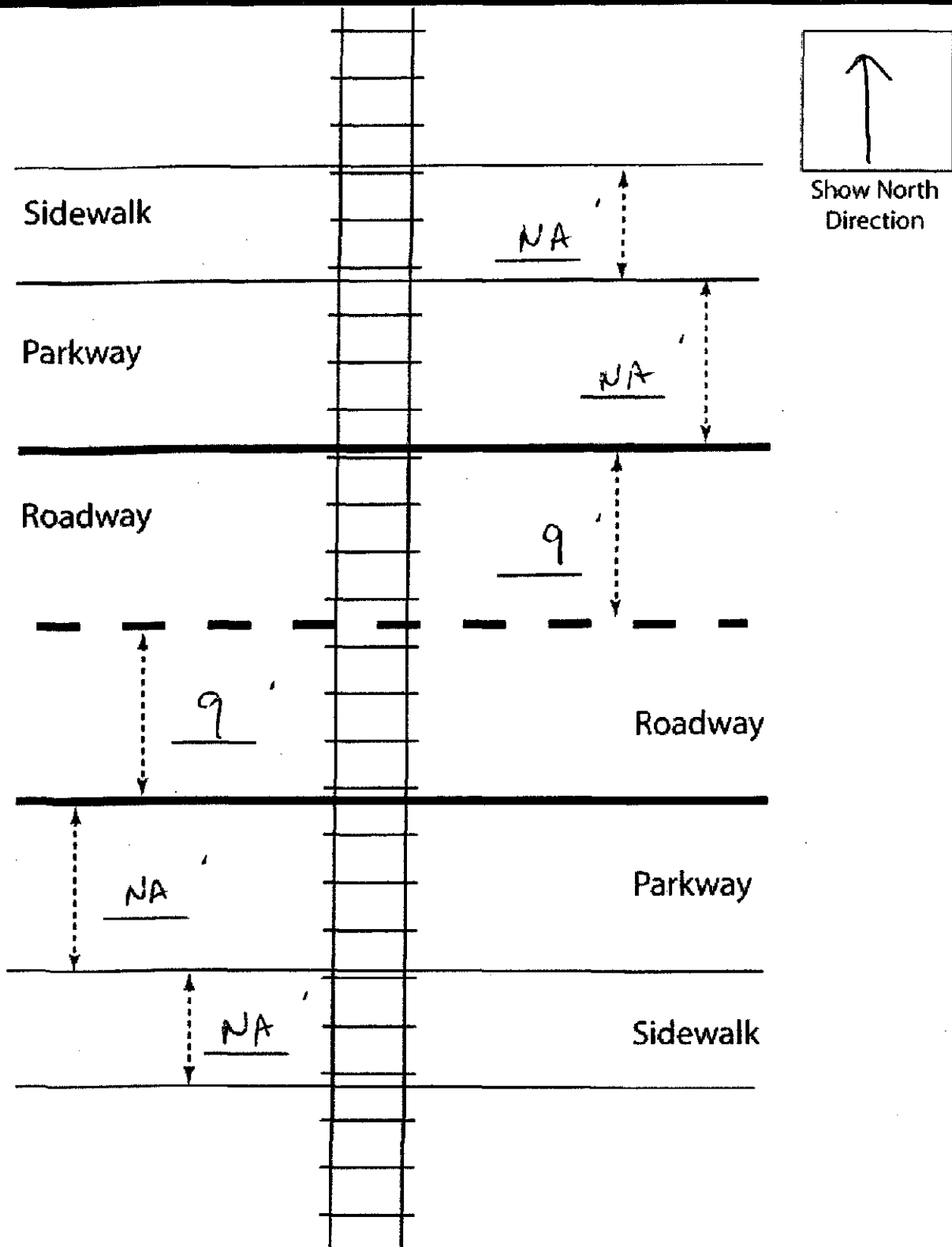
Utility Information

Is commercial power available? ☐ No ☒ Yes	
Utility Provider (Company Name) <u>OHIO EDISON</u>	Phone Number _____
Nearest Available Power Source <u>AT XING</u>	
What other utilities are present? <u>CABLE - OH ELECTRIC - UG FIBER OPTIC - GAS LINE</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)	

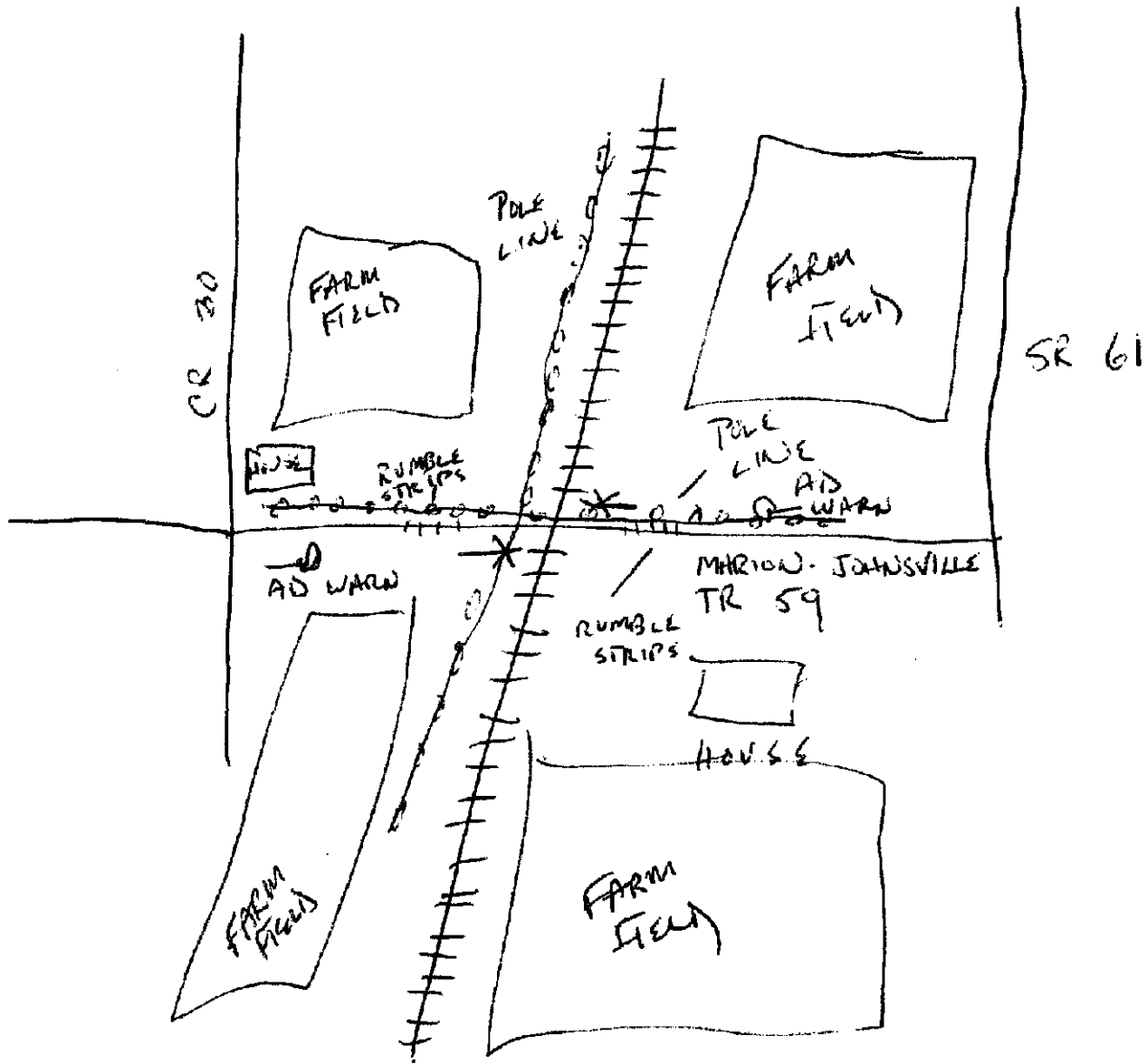
Field Dimensions



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

Measurements by: Gm

Field Sketch



Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured in NW 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.

Local Report # 59-1846-59	Crash Severity Injury	Private Property N	Hit/Skip Not Hit/Skip	Photos Taken Y	NCIC # OHP59
------------------------------	--------------------------	-----------------------	--------------------------	-------------------	-----------------

Reporting Agency OHIO STATE HIGHWAY P	# Units 2	Unit Error 1	Date and Time of Crash 11/18/2008 8:30:00 AM
--	--------------	-----------------	---

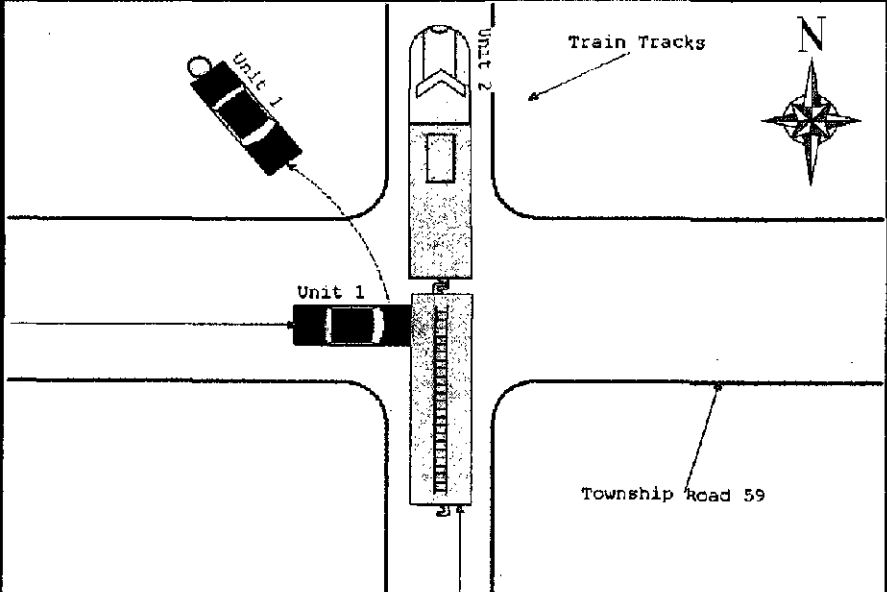
Day of Week TUE	City Village Township Township	Name (of City, Village or Township) Washington	County # 59	Latitude 40 37 30.97	Longitude 82 50 24.04
--------------------	-----------------------------------	---	----------------	-------------------------	--------------------------

Crash Occurred On		Local Information
Prefix 0059	Crash Location Numbered Route	

At / Reference		
Dist Reference E	Prefix CR0030	Ref Point Intersection 2 Streets

Type of Intersection Railway Grade Crossing	Occurrence On Roadway	Road Contour Straight Grade	Road Conditions Primary Ice Secondary Snow	** Secondary Road Conditions ONLY
--	--------------------------	--------------------------------	--	-----------------------------------

Police Action					
Date and Time Crash Reported 11/18/2008 8:36:00 AM	Dispatch 11/18/2008 8:36:00 AM	Arrived 11/18/2008 8:58:00 AM	Cleared 11/18/2008 9:53:00 AM	Other 71	Total Minutes 148
Officer's Name* WARNER, GARIC		Badge #* 0421	Checked By CKCROSS	Date Report Filed* 11/23/2008 12:00:00 AM	
Report Taken By Police Agency		Report Taken At Scene			

Manner of Collision or Impact Angle	Diagram 
School Bus Related No	
Work Zone Related No	
Weather Cloudy	
Type of Work Zone Workers Present	
Location of Crash in Work Zone	
Light Conditions Primary Daylight Secondary Unknown	

Narrative
UNIT #1 WAS EASTBOUND ON TOWNSHIP ROAD 59 AT A RAILROAD CROSSING. UNIT #2 WAS NORTHBOUND ON THE TRAIN TRACKS. UNIT #1 ATTEMPTED TO STOP FOR UNIT #2, SLID INTO THE RAILROAD CROSSING, STRUCK UNIT #2, SLID OFF THE LEFT SIDE OF THE ROADWAY, AND STRUCK A UTILITY POLE.



Traffic Crash Report

Unit # 1	Owner First SARAH	Owner Middle A.	Owner Last CRESWELL	LP State OH	LP # CT72UG
Owner Address 7415 COUNTY RD 30		Owner City MOUNT GILEAD	Owner State OH	Owner Zip 43338	Owner Phone # 4199479607
Year 2003		Make BUIC	Model REG	Color	VIN
Insurance Company NOT SHOWN		In Emergency Response Unknown	Speed Detected Stated	Speed 5	Posted Speed 55
Non-Motorist Location UnKnown		Action Striking	Towing Service 314 AUTO SALES	Damage Scale Severe	Direction West
Type of Unit Mid Size		Point of Impact Center Front	Most Damaged Area Total (All Areas)	Vehicle Defect	
Pre-Crash Actions Movements Essentially Straight Ahead		Striking Vehicle O/U Underide, No Compartment Intrusion	Contributing Circumstances Unsafe Speed	First Harmful Event 1	Most Harmful Event 1
Traffic Control No Controls		Sequence of Events 1 Railway Vehicle	Sequence of Events 2 Ran Off Road Left	Sequence of Events 3 Utility Pole	Sequence of Events 4 Unknown
Company (From Shipping Papers)		Company Phone	US DOT	ICC MC	PUCO
Address		City	State	Zip	
Trailer LP St.		Trailer LP Year	Trailer LP #	Placard #	# DIA.
Cargo Body Type Not Applicable		CDL Class	Weight (GVWR)	Haz Material Placard Unknown	Haz Material Release Not Applicable

Unit # 1	First Sarah	Middle A.	Last Creswell	Type Driver
Address 7415 COUNTY RD 30		City MOUNT GILEAD	State OH	Zip 43338
Date of Birth 03/26/1984		Age 24	Sex F	Home Phone # 4199479607 Work Phone # 4199471900
DL State OH		DL # SA107330	Offense Charged 4511.62	Injured Taken By EMS Transported By MORROW COUNTY #
Seating Position Front Left (MC Driver)		Ejection Not Ejected	Offense Description DRIVER'S DUTIES RELA	Air Bag Not Deployed Citation # Y449641
Condition Apparently Normal		Trapped Not Trapped	Safety Equipment Shoulder Lap/Belt	Injuries Non-Incapacitating Air Bag Switch Not Present
Alcohol Test Status None		Alcohol/Drug Suspected None	Alcohol Test Type None	Alcohol Test Result
Drug Test Status None		Drug Test Type None	Drug Test Result 1 None	Drug Test Result 2 None

Unit # 1	First Ella	Middle K.	Last Creswell	Type Occupant
Address 7415 COUNTY RD 30		City MOUNT GILEAD	State OH	Zip 43338
Date of Birth		Age	Sex	Home Phone # Work Phone #

Traffic Crash Report

08/18/2008	2	F	4199479607	
DL State	DL #	Offense Charged	Injured Taken By	Transported By
			EMS	MORROW #4
Seating Position	Ejection	Offense Description	Air Bag	Citation #
Second Left (MC Driver)	Not Ejected		Not Applicable	
Condition	Trapped	Safety Equipment	Injuries	Air Bag Switch
Unknown	Not Trapped	Child Safety Seat	No Injury	Not Present
Alcohol Test Status	Alcohol/Drug Suspected	Alcohol Test Type	Alcohol Test Result	
Unknown	Unknown	None		
Drug Test Status	Drug Test Type	Drug Test Result 1	Drug Test Result 2	
Unknown	None	Unknown at Time of Reporting	Unknown at Time of Reporting	

Unit #	First	Middle	Last	Type
1	Dane	R.	Creswell	Occupant
Address	City	State	Zip	
7415 COUNTY RD 30	MOUNT GILEAD	OH	43338	
Date of Birth	Age	Sex	Home Phone #	Work Phone #
06/05/2008	0	M	4199479607	
DL State	DL #	Offense Charged	Injured Taken By	Transported By
			EMS	MORROW #4
Seating Position	Ejection	Offense Description	Air Bag	Citation #
Second Right	Not Ejected		Not Applicable	
Condition	Trapped	Safety Equipment	Injuries	Air Bag Switch
Unknown	Not Trapped	Child Safety Seat	No Injury	Not Present
Alcohol Test Status	Alcohol/Drug Suspected	Alcohol Test Type	Alcohol Test Result	
Unknown	Unknown	None		
Drug Test Status	Drug Test Type	Drug Test Result 1	Drug Test Result 2	
Unknown	None	Unknown at Time of Reporting	Unknown at Time of Reporting	

Traffic Crash Report

Unit # 2	Owner First RAILROAD	Owner Middle	Owner Last CSX	LP State NS	LP #
Owner Address		Owner City JACKSONVILLE	Owner State FL	Owner Zip	Owner Phone #
Year 2000		Make UNK	Model UNK	Color	VIN
Insurance Company SELF INSURED		In Emergency Response Unknown	Speed Detected Stated	Speed 50	Posted Speed 50
Non-Motorist Location UnKnown		Action Struck	Towing Service NONE	Damage Scale Non Functional Damage	Direction South
Type of Unit Train		Point of Impact Left Side	Most Damaged Area Left Side	Vehicle Defect	
Pre-Crash Actions Movements Essentially Straight Ahead		Striking Vehicle O/U Unknown	Contributing Circumstances None	First Harmful Event 1	Most Harmful Event 1
Traffic Control No Controls		Sequence of Events 1 Motor Vehicle in Transport	Sequence of Events 2 Unknown	Sequence of Events 3 Unknown	Sequence of Events 4 Unknown
Company (From Shipping Papers)		Company Phone	US DOT	ICC MC	PUCO
Address		City	State	Zip	
Trailer LP St.		Trailer LP Year	Trailer LP #	Placard #	# DIA.
Cargo Body Type Not Applicable		CDL Class	Weight (GVWR)	Haz Material Placard Unknown	Haz Material Release Not Applicable

Unit # 2	First Crash	Middle	Last Train	Type Driver
Address		City	State	Zip
Date of Birth #Error		Age	Sex U	Home Phone # Work Phone #
DL State		DL #	Offense Charged	Injured Taken By None
Seating Position Front Left (MC Driver)		Ejection Not Ejected	Offense Description	Air Bag Not Applicable
Condition Apparently Normal		Trapped Not Trapped	Safety Equipment None Used	Injuries No Injury
Alcohol Test Status None		Alcohol/Drug Suspected None	Alcohol Test Type None	Air Bag Switch Not Present
Drug Test Status None		Drug Test Type None	Drug Test Result 1 None	Drug Test Result 2 None

Unit # 2	First Kevin	Middle F.	Last McGinty	Type Occupant
Address 3609 WARREN RD		City CLEVELAND	State OH	Zip 44111

Date of Birth	Age	Sex	Home Phone #	Work Phone #
04/09/1956	52	M	2169418806	
DL State	DL #	Offense Charged	Injured Taken By	Transported By
			None	
Seating Position	Ejection	Offense Description	Air Bag	Citation #
Front Right	Not Ejected		Not Applicable	
Condition	Trapped	Safety Equipment	Injuries	Air Bag Switch
Unknown	Not Trapped	None Used	No Injury	Not Present
Alcohol Test Status	Alcohol/Drug Suspected	Alcohol Test Type	Alcohol Test Result	
Unknown	Unknown	None		
Drug Test Status	Drug Test Type	Drug Test Result 1	Drug Test Result 2	
Unknown	None	Unknown at Time of Reporting	Unknown at Time of Reporting	

Unit # 2

First	Middle	Last	Type	
Teren		Hillger	Occupant	
Address	City	State	Zip	
6189 DARLENE CIR	CONCORD TOWNSHI	OH	44024	
Date of Birth	Age	Sex	Home Phone #	Work Phone #
09/15/1952	56	M	4407964268	
DL State	DL #	Offense Charged	Injured Taken By	Transported By
			None	
Seating Position	Ejection	Offense Description	Air Bag	Citation #
Front Right	Not Ejected		Not Applicable	
Condition	Trapped	Safety Equipment	Injuries	Air Bag Switch
Unknown	Not Trapped	None Used	No Injury	Not Present
Alcohol Test Status	Alcohol/Drug Suspected	Alcohol Test Type	Alcohol Test Result	
Unknown	Unknown	None		
Drug Test Status	Drug Test Type	Drug Test Result 1	Drug Test Result 2	
Unknown	None	Unknown at Time of Reporting	Unknown at Time of Reporting	



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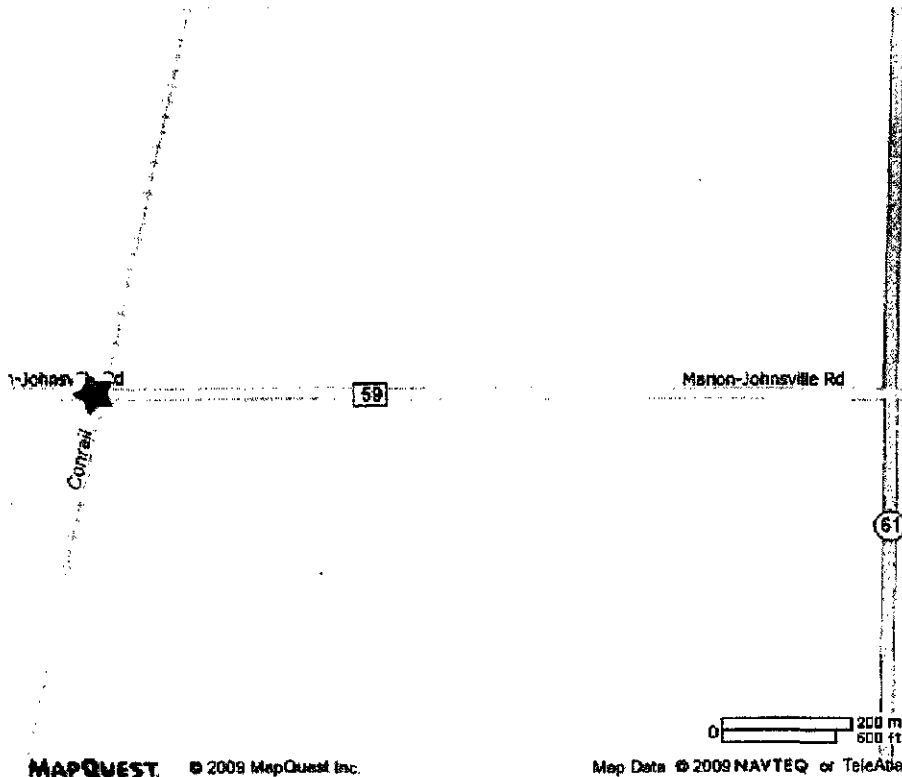


Maps Directions Yellow Pages Gas Prices

★ Latitude: 40.6252654
Longitude: -82.8393446



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3/31/09

MORROW

CSX

MARION-JOHNSVILLE / TR 59

518-366 6

10 AM

71-61 - TURN LEFT ON TR 59



Diagnostic Review Team Survey

Date: 4/2/09 9 AM

Location Data

Street or Road Name:

WESTLAKE - LEE RD

Route/Road Number (i.e. Twp., Co., SR or US) CR 137 (include SLM if State or US route)

AAR-DOT No.: 513-817 H

County: UNION

Township: PARIS

City: (In or Near) NEAR MARYSVILLE

Railroad Name: CSX

Railroad Division: INDIANAPOLIS

Branch/Line Name: SCOTTSBLVD SUP

Nearest RR Timetable Station: ADA

RR Milepost: QT 100.25

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. GEORGE MARTIN PUCO 614-752-9107

2. Ope Reinhardt ORDC 614-644-0291

3. ROB ROSS CSX 614-348-3651

4. TOM MESSERLY UNION COUNTY 937-645-3118

5. Jim Allardine CSX 419-618-1847

6. _____

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 STANDARD
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	

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

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 3/29/05	
Hazard Ranking 114	Date Run: 3/4/09	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	25	
< 1 per day		
Day thru trains	9	
Night thru trains	10	
Daytime switching movements	3	
Nighttime switching movements	3	
Total number of tracks	1	
Number of main tracks	1	
Number of other tracks		
Maximum train speed	60	
Typical train speed		
Amtrak	NO	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☒ Yes ☐ NoIf multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☒ NoCan one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☐ No SINGLE MAINAre 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

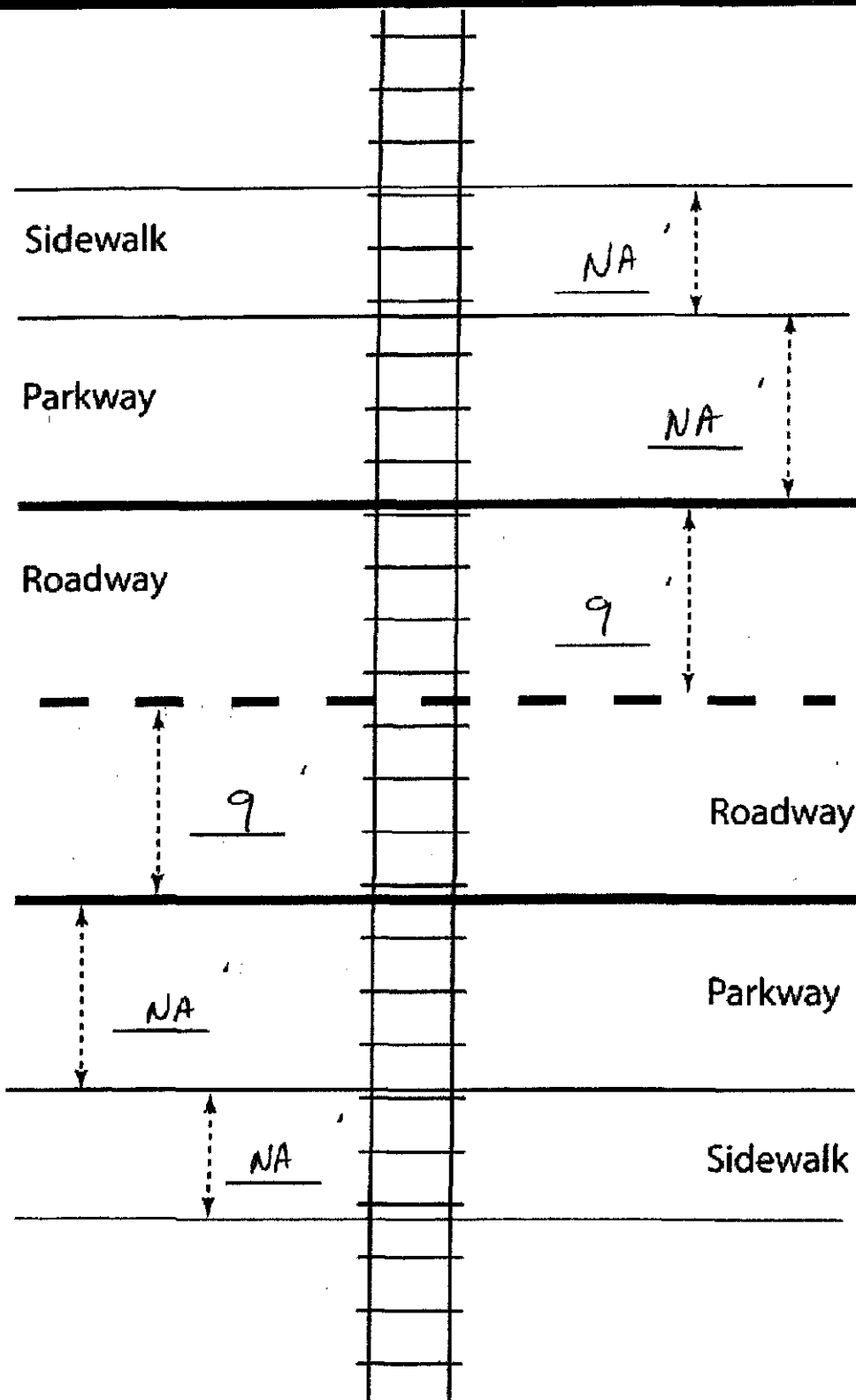
Local Highway Authority:

(Who maintains this roadway?)

UNION COUNTY

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	150 2004	
Highway paved	☒ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☒ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____		
Roadway width: 18 ft.		
Number of highway lanes 2		
Urban or Rural?	RURAL	
Vehicle Speed: 30 MPH		
School Bus Operation: ☐ No ☒ Yes 4 Amount		
Hazardous Materials Trucks: ☐ No ☒ Yes _____ Amount		ANHYDROUS AMMONIA & PROPANE
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) SLW

Field Dimensions

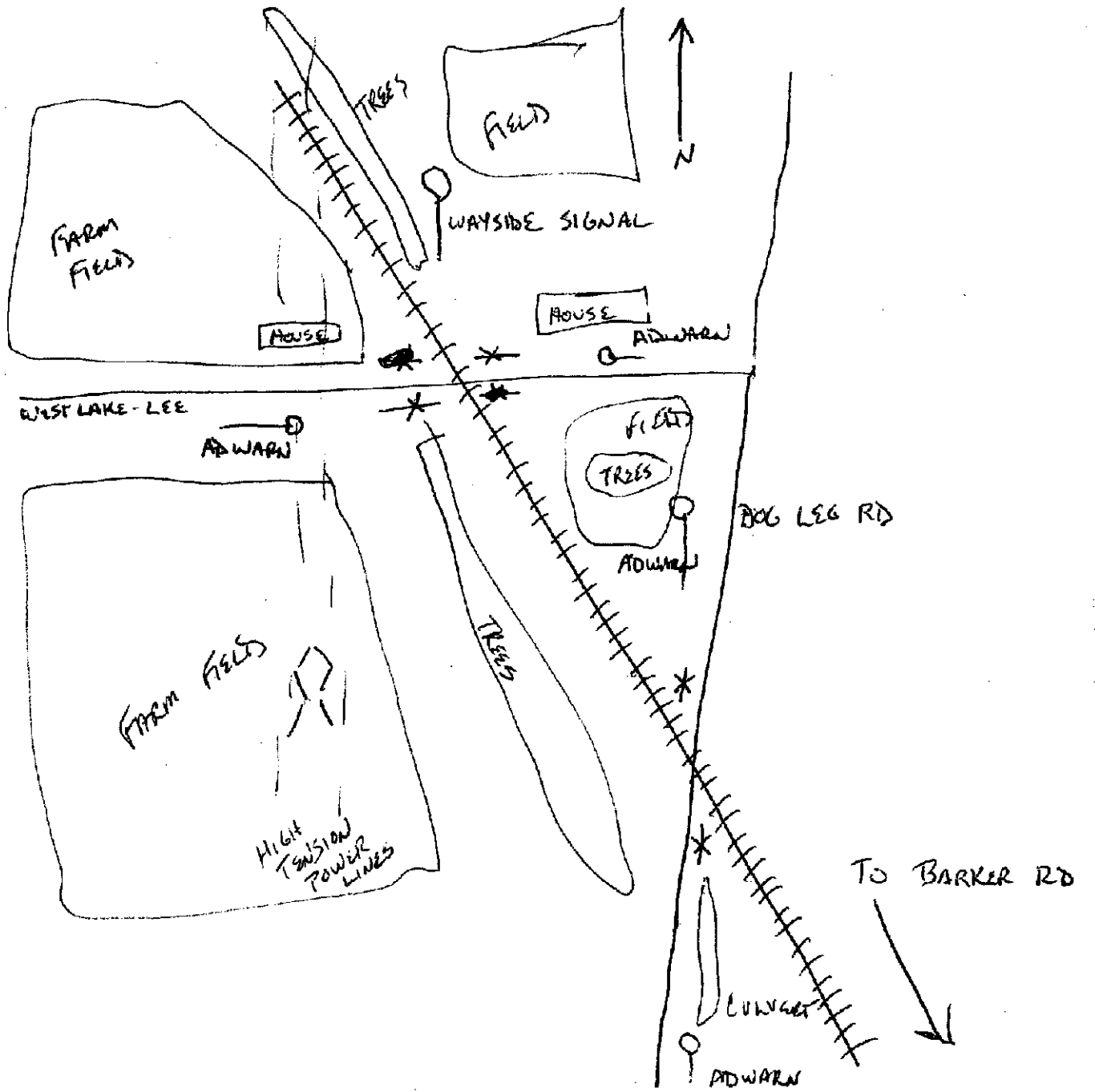


Show North Direction

Crossing Angle ☐ 0-29° ☐ 30-59° ☒ 60-90° Measured in N4 Quadrant?

Measurements by: CM

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.

TRAFFIC CRASH REPORT



80-0478-80 2

 CRASH SEVERITY
 1 FATAL 3 PDO
 2 INJURY 4 UNKNOWN

 PRIVATE
 PROPERTY

HIT / SEED

 1 NOT HIT/SEED
 2 SOLID
 3 UNDEVELOPED

 PHOTOS
 TAKEN

X

 OH-2 OH-3 OH-1P OTHER
 X X

0 H P 8 0

REPORTING AGENCY #

OHIO STATE PATROL

0 2

0 1

95 = ANIMAL
96 = UNKNOWN

0 3 2 9 2 0 0 5

DAY OF WEEK

TUE

NAME (OF CITY, VILLAGE OR TOWNSHIP) #

PARIS

LATITUDE

LONGITUDE

CRASH LOCATION

WESTLAKE LEE RD. (CR-137)

TYPE LOC

 TYPE LOCATION POINT USED
 1 NAMED STREET 3 NUMBERED ROUTE
 2 NUMBERED STREET

CRASH REFERENCE

LAST REFERENCE

ON

W

REFERENCE

DOE LEG RD. (CR-136)

REF POINT

02

REFERENCE POINT USED

01 STATE LINE

02 INTERSECTION 2 STRAITS

03 COUNTY LINE

04 HOUSE NUMBER

05 TOWNSHIP BOUNDARY

06 MILE POST

07 CORPORATION LIMIT

08 PLACE NAME W/O REFERENCE

09 DRIVEWAY

10 STREET OR ROUTE W/O REFERENCE

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

0 1 0 1

NAME (LAST, FIRST, MIDDLE)

FEELEY ROY M

ADDRESS (STREET, CITY, STATE, ZIP CODE)

23661 HOLYCROSS EPS RD. MARYSVILLE, OH 43040

DL STATE

DL #

OH

SW567417

LP STATE

LP #

OH

BE87EQ

INSURER

TAKEN BY

2

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

MARYSVILLE F.D.

INJURED TAKEN TO

UNION MEM HOSP

OWNER NAME (IF SAME, WRITE "SAME")

PORTER DWIGHT D

ADDRESS (STREET, CITY, STATE, ZIP CODE)

23755 HOLYCROSS EPS RD MARYSVILLE, OH 43040

YEAR

1986

MAKE

OLDSMOBILE

MODEL

CIERA

COLOR

BRN

INSURANCE COMPANY

MOTORIST MUTUAL INS.

TOWING SERVICE

S & B TOWING

OWNER PHONE #

937-747-9496

OFFENSE CHARGES

4511.62

OFFENSE DESCRIPTION

FAIL TO YIELD AT A RR CROSSING

U 5 4 7 8 8 3

0 1 0 2 0 2

NAME (LAST, FIRST, MIDDLE)

ADDRESS (STREET, CITY, STATE, ZIP CODE)

DL STATE

DL #

OH

LP STATE

LP #

OH

INSURER

TAKEN BY

1

1 NONE 4 OTHER

2 EMS 5 UNKNOWN

3 POLICE

TRANSPORTED BY

CSX TRANSPORTATION

INJURED TAKEN TO

CSX TRANSPORTATION

OWNER NAME (IF SAME, WRITE "SAME")

CSX TRANSPORTATION

ADDRESS (STREET, CITY, STATE, ZIP CODE)

CSX TRANSPORTATION

YEAR

1989

MAKE

GENERAL ELECTRIC

MODEL

GENERAL ELECTRIC

COLOR

BLK

INSURANCE COMPANY

SELF

TOWING SERVICE

SELF

OWNER PHONE #

937-642-2221

OFFENSE CHARGES

OFFENSE DESCRIPTION

NAME (LAST, FIRST, MIDDLE)

IN BOX ROBERT M

HOME PHONE #

437-537-6501

ADDRESS (STREET, CITY, STATE, ZIP CODE)

19300 Raymond Rd. Marysville, OH 43040

NAME (LAST, FIRST, MIDDLE)

HOME PHONE #

ADDRESS (STREET, CITY, STATE, ZIP CODE)

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/SEAT CAR)

08 THIRD - MIDDLE

09 THIRD - RIGHT

10 SLEEPER SECTION OF CAB

11 ENCLOSED CARGO AREA

12 UNENCLOSED CARGO AREA

13 TRAILER 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 LIGHTS

14 OTHER

15 UNKNOWN

AIR BAG

1 NOT DEPLOYED

2 DEPLOYED-FRONT

3 DEPLOYED-SIDE

4 DEPLOYED BOTH

5 FRONT/SIDE

6 CHILD SAFETY SEAT

7 NOT APPLICABLE

8 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 EXTRICATED BY MECHANICAL MEANS

3 FREED BY NON-MECHANICAL MEANS

4 UNKNOWN

INJURIES

1 NO INJURY

2 POSSIBLE

3 NON-INCAPACITATING

4 INCAPACITATING

5 FATAL INJURY

6 UNKNOWN

BLANK FOR WITNESS

H917/001

TOP COPY - ODPS BOTTOM COPY - ASDCY

UNITS NUMBERS 01 022 DAMAGE AREA PRE-CRASH ACTIONS SEQUENCE OF EVENTS POSTED SPEED 55 55 DRUG TEST STATUS 1 1

NON-MOTORIST LOCATION 01 MARKED CROSSWALK AT INTERSECTION 02 INTERSECTION NO CROSSWALK 03 NON-INTERSECTION CROSSWALK 04 DRIVEWAY ACCESS CROSSWALK 05 IN ROADWAY 06 NOT IN ROADWAY 07 MEDIAN (BUT NOT SHOULDER) 08 ISLAND 09 SHOULDER 10 SIDEWALK 11 WITHIN 10 FEET OF ROADWAY (NOT SHOULDER, MEDIAN, SIDEWALK, ISLAND) 12 BEYOND 10 FEET OF ROADWAY (WITHIN TRAFFICWAY) 13 OUTSIDE TRAFFICWAY 14 SHOULDER USE PATHS ON TRAILS 15 UNKNOWN

TYPE OF UNIT 04 29 02 08

MOTORIST 01 SUB-COMPACT 02 COMPACT 03 MID SIZE 04 FULL SIZE 05 MINIVAN 06 SPORT UTILITY VEHICLE 07 PICKUP 08 PANEL/VAN 09 SINGLE UNIT TRUCK 2 AXLES, 6 TIRES 10 SINGLE UNIT TRUCK 3+ AXLES 11 TRUCK/TRACTOR 12 TRUCK TRACTOR (BORTAL) 13 TRACTOR/SEMI-TRAILER 14 TRACTOR/DOUBLE SHORT 15 TRACTOR/DOUBLE LONG 16 PFTN WHEEL OR CONVERTER DOLLY 17 TRACTOR/TRIPLES 18 MOTORCYCLE 19 MOTORIZED BICYCLE 20 SCHOOL BUS 21 CHURCH BUS 22 PUBLIC BUS 23 OTHER BUS 24 POLICE VEHICLE 25 FIRE TRUCK 26 AMBULANCE/RESCUE 27 TAXI 28 MOTOR HOME 29 TRAILER 30 FARM VEHICLE 31 FARM EQUIPMENT 32 SNOWMOBILE 33 CONSTRUCTION EQUIPMENT 34 ALL OTHERS

NON-MOTORIST 35 ANIMAL WARDEN 36 ANIMAL WARDEN 37 BICYCLE 38 PROSELYTIST 39 SKATER 40 OTHER-NON MOTORIST 41 UNKNOWN

IN EMERGENCY RESPONSE 1 NO 2 YES 3 UNKNOWN

DAMAGE SCALE 5 2

1 NONE 2 NON-FUNCTIONAL DAMAGE 3 FUNCTIONAL DAMAGE 4 CHASING DAMAGE 5 SEVERE 6 UNKNOWN

STRIKING VEHICLE: OVERSIDE/ UNDERSIDE 1

1 NO UNDERSIDE OR OVERSIDE 2 UNDERSIDE COMPARTMENT INTRUSION 3 UNDERSIDE, NO COMPARTMENT INTRUSION 4 UNDERSIDE COMPARTMENT INTRUSION UNKNOWN 5 OVERSIDE, MOTOR VEHICLE IN TRANSPORT 6 OVERSIDE, OTHER VEHICLE 7 UNKNOWN

VEHICLE DEFECT CODE ONLY IF '19' SELECTED ABOVE 01 TURN SIGNALS 02 HEAD LAMPS 03 TAIL LAMPS 04 BRAKES 05 STEERING 06 TIRE BLOWOUT 07 WORK ON BLICK TINES 08 TRAILER EQUIPMENT DEFECTIVE 09 MOTOR TROUBLE 10 DAMAGED FROM PRIOR CRASH 11 OTHER DEFECTS

CONTRIBUTING CIRCUMSTANCES 02 01

MOTORIST 01 NONE 02 FAILURE TO YIELD 03 RUN RED LIGHT, OR STOP SIGN EXCEEDED SPEED LIMIT 04 UNSAFE SPEED 05 IMPROPER TURN 06 LEFT OF CENTER 07 FOLLOWED TOO CLOSELY/ACCDA 08 IMPROPER LANE CHANGE/ DROVE OFF ROAD/ IMPROPER PASSING 09 IMPROPER BACKING 10 IMPROPER START FROM PARKED POSITION 11 STOPPED OR PARKED ILLEGALLY 12 OPERATING VEHICLE IN EMERGENCY, ROCKERS, CAPELESS, NEGLIGENCE OR AGGRESSIVE MANNER 13 14 SWERVING TO AVOID (DUE TO WIND, SLIPPERY SURFACE, VEHICLE, OBJECT, NON-MOTORIST IN ROADWAY, ETC) 15 FAILURE TO CONTROL 16 VISION OBSTRUCTION 17 DRIVER INATTENTION 18 FATIGUE/ASLEEP 19 OPERATING DEFECTIVE EQUIPMENT 20 LOAD SHIPPED/FALLING/SPILLING 21 OTHER IMPROPER ACTION 22 UNKNOWN

NON-MOTORIST 23 NONE 24 IMPROPER CROSSING 25 OVERTAKING 26 LYING AND/OR ILLEGALLY IN ROADWAY 27 FAILURE TO YIELD RIGHT OF WAY 28 NOT VISIBLE (DARK CLOTHING) 29 INATTENTIVE 30 FAILURE TO OBEY TRAFFIC SIGNS, SIGNALS, OR OFFICER 31 WRONG SIDE OF THE ROAD 32 OTHER 33 UNKNOWN

VEHICLE DEFECT CODE ONLY IF '19' SELECTED ABOVE 01 TURN SIGNALS 02 HEAD LAMPS 03 TAIL LAMPS 04 BRAKES 05 STEERING 06 TIRE BLOWOUT 07 WORK ON BLICK TINES 08 TRAILER EQUIPMENT DEFECTIVE 09 MOTOR TROUBLE 10 DAMAGED FROM PRIOR CRASH 11 OTHER DEFECTS

SEQUENCE OF EVENTS 16 20 09

NON-COLLISION 01 OVERTURN/ROLLOVER 02 FIRE/EXPLOSION 03 IMMERSION 04 JACUFINNE 05 CARD/EMPLOYMENT LOSS/SHEFT 06 EQUIPMENT FAILURE 07 SEPARATION OF UNITS 08 PARK OFF ROAD FRONT 09 PARK OFF ROAD LEFT 10 CROSS MEDIAN/CENTERLINE 11 DOWNHILL RUNAWAY 12 OTHER NON-COLLISION 13 UNKNOWN NON-COLLISION COLLISION W/ PERSON, VEHICLE, OR OBJECT INCLUDED 14 PEDESTRIAN 15 PEBALCYCLE 16 RAILWAY VEHICLE 17 ANIMAL - FARM 18 ANIMAL - DEER 19 ANIMAL - OTHER 20 MOTOR VEHICLE IN TRANSPORT 21 PARKED MOTOR VEHICLE 22 WORK ZONE MAINTENANCE EQUIPMENT 23 OTHER MOVABLE OBJECT 24 UNKNOWN MOVABLE OBJECT COLLISION WITH FIXED OBJECT 25 IMPACT ATTENUATOR/CRASH CUSHION 26 BRIDGE OVERHEAD STRUCTURE 27 BRIDGE PIER OR ABUTMENT 28 BRIDGE PARAPET 29 BRIDGE RAIL 30 GUARDRAIL FACE 31 GUARDRAIL END 32 MEDIAN BARRIER 33 HIGHWAY TRAFFIC SIGN POST 34 OVERHEAD SIGN POST 35 UNDERLYMINARIES SUPPORT 36 UTILITY POLE 37 OTHER POST, POLE OR SUPPORT 38 CULVERT 39 CURB 40 DITCH 41 EMBANKMENT 42 FENCE 43 MAILBOX 44 TREE 45 OTHER FIXED OBJECT 46 WORK ZONE MAINTENANCE EQUIPMENT 47 UNKNOWN FIXED OBJECT 48 OTHER 49 UNKNOWN

FIRST HARMFUL EVENT 1 1

OF THE SEQUENCE OF EVENTS - WHICH ONE IS THE FIRST HARMFUL EVENT (1-4) 1 1

MOST HARMFUL EVENT 1 1

OF THE SEQUENCE OF EVENTS - WHICH ONE IS THE MOST HARMFUL EVENT (1-4) 1 1

SPEED DETECTED 1 1

1 STATED 2 ESTIMATED SPEED 30 50

TRAFFIC CONTROL 07 07

01 NO CONTROLS 02 STOP SIGN 03 YIELD SIGN 04 TRAFFIC SIGNAL 05 TRAFFIC FLASHERS 06 SCHOOL ZONE 07 RAILROAD CROSSINGS 08 RAILROAD FLASHERS 09 RAILROAD GATES 10 CONSTRUCTION BARRICADE 11 POLICE OFFICER 12 PAYMENT MARKINGS 13 CROSSWALK LINES 14 WALK/DON'T WALK SIGNAL 15 TRAFFIC CONTROL DEVICE INOPERATIVE, MISSING, OBSCURED 16 OTHER

DIRECTION 3 4 1 2

1 NORTH 2 SOUTH 3 EAST 4 WEST 5 NORTHEAST 6 NORTHWEST 7 SOUTHEAST 8 SOUTHWEST 9 UNKNOWN

CONDITION 1 1

1 APPARENTLY NORMAL 2 PHYSICAL IMPAIRMENT 3 EMOTIONAL 4 ILLNESS 5 FELL ASLEEP, FARTED, FATIGUED, ETC 6 UNDER THE INFLUENCE OF MEDICATIONS/DRUGS/ALCOHOL 7 OTHER 8 UNKNOWN

ALCOHOL/DRUG SUSPECTED 1 1

1 NONE 2 YES - ALCOHOL SUSPECTED 3 YES - HAD NOT IMPAIRED 4 YES - DRUGS SUSPECTED 5 YES - ALCOHOL / DRUGS SUSPECTED 6 UNKNOWN

ALCOHOL TEST STATUS 1 1

1 NONE 2 TEST REFUSED 3 TEST GIVEN, CONTAMINATED SAMPLE/UNUSABLE 4 TEST GIVEN, RESULTS KNOWN 5 TEST GIVEN, RESULTS UNKNOWN 6 UNKNOWN

ALCOHOL TEST TYPE 1 1

1 NONE 4 BREATH 2 BLOOD 5 OTHER 3 URINE

ALCOHOL TEST RESULT 1 1

1 NONE 2 BLOOD 3 URINE

DRUG TEST STATUS 1 1

1 NONE 2 TEST REFUSED 3 TEST GIVEN, CONTAMINATED SAMPLE/UNUSABLE 4 TEST GIVEN, RESULTS KNOWN 5 TEST GIVEN, RESULTS UNKNOWN 6 UNKNOWN

DRUG TEST TYPE 1 1

1 NONE 2 BLOOD 3 URINE 4 OTHER

DRUG TEST 1&2 RESULT 1 1

1 NONE 2 MARIJUANA 3 COCAINE 4 CRACKS 5 AMPHETAMINES 6 PCP 7 OTHER 8 UNKNOWN AT TIME OF REPORTING

TYPE OF INTERSECTION 1 1

01 NOT AN INTERSECTION 02 FOUR-WAY INTERSECTION 03 T-INTERSECTION 04 Y-INTERSECTION 05 TRAFFIC CIRCLE/ROUNDOABOUT 06 FIVE-POINT, OR MORE 07 ON RAMP 08 OFF RAMP 09 CROSSOVER 10 DRIVEWAY/ACCESS 11 RAILWAY GRADE CROSSING 12 SHARED-USE PATHS ON TRAILS 13 UNKNOWN

OCCURRENCE 1 1

1 ON ROADWAY 2 ON SHOULDER 3 IN MEDIAN 4 ON ROADSIDE 5 ON GORE 6 OUTSIDE TRAFFICWAY 7 UNKNOWN

ROAD CONTOUR 1 1

1 STRAIGHT LEVEL 2 STRAIGHT GRADE 3 CURVE LEVEL 4 CURVE GRADE

ROAD CONDITIONS 0 1

01 DRY 02 WET 03 SNOW 04 ICE 05 SAND, MUD, DIRT, OIL, GRAVEL 06 WATER (STANDING, MOVING) 07 SLUSH 08 DEBRIS 09 PITS, HOLES, BUMPS, UNEVEN PAVEMENT 10 OTHER 11 UNKNOWN

"SECONDARY ROAD CONDITIONS ONLY"

Narrative

UNIT NO. 1 WAS TRAVELING WESTBOUND ON WESTLAKE LEE RD,
FAILED TO STOP AT A RR CROSSING AND STRUCK UNIT NO. 2
UNIT NO. 2 WAS A TRAIN THAT WAS SOUTH BOUND.

MANNER OF COLLISION OR IMPACT SCHOOL BUS RELATED

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

WEATHER

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

LIGHT CONDITIONS

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

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

WORK ZONE RELATED

- 1 NO
- 2 YES
- 3 UNKNOWN

TYPE OF WORK ZONE

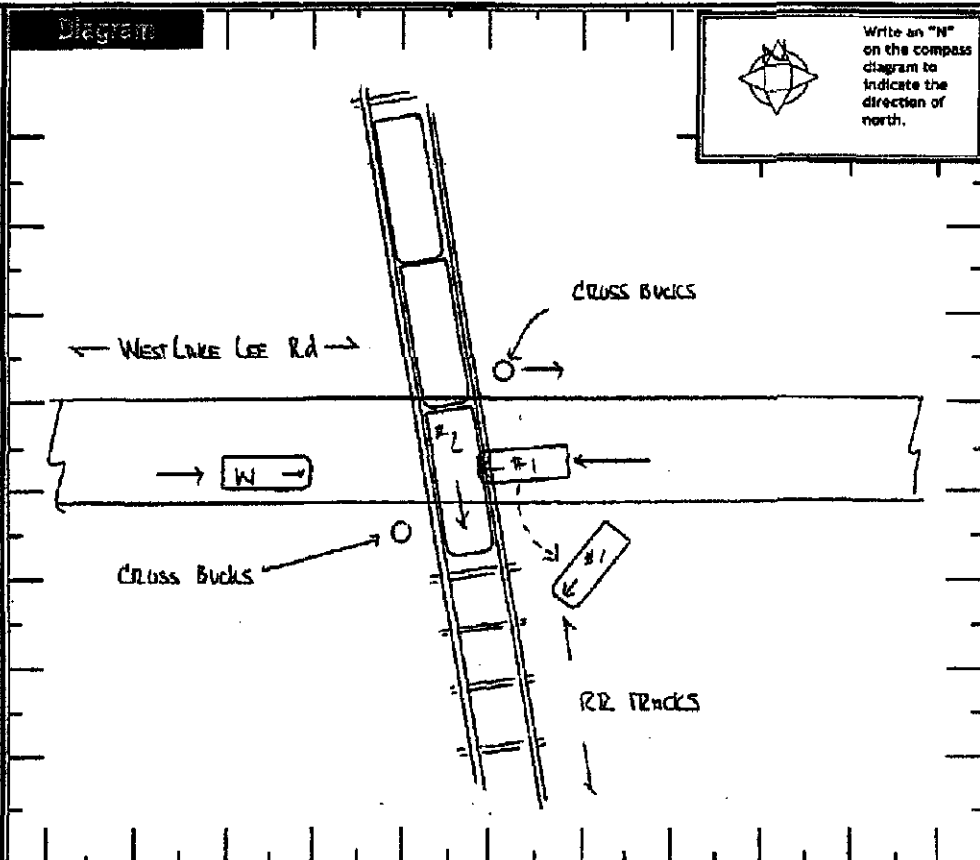
- 1 LANE CLOSURE
- 2 LANE SHIFT/CROSSOVER
- 3 WORK ON SHOULDER OR MEDIAN
- 4 INTERMITTENT MOVING WORK
- 5 OTHER

LOCATION OF CRASH IN WORK ZONE

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

- 1 NO
- 2 YES
- 3 UNKNOWN

Diagram



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

Truck/BUS

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.

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 DEABLING DAMAGE OR REQUIRED INTERVENING ASSISTANCE BEFORE PROCEEDING UNDER ITS OWN POWER.

COMPANY (FROM SHIPPING PAPERS)

COMPANY PHONE

ADDRESS (STREET, CITY, ST, ZIP CODE)

US DOT

NCC MC

PUCO

TRAILER LP ST

TRAILER LP YEAR

TRAILER LP #

CARGO BODY TYPE

- 01 NOT APPLICABLE
- 02 BUS (9-15 INCLUDING DRIVER)
- 03 VAN/ENCLOSED BOX
- 04 GRAB/CHIPS/GRAVEL

- 05 POLE
- 06 CARGO TANK
- 07 FLATBED
- 08 DUMP

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

Weight (GVWR)

- 1 LESS/EQUAL 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 Placard

- 1 NO
- 2 YES
- 3 UNKNOWN

Hazardous Materials Released

- 1 NO
- 2 YES
- 3 NOT APPLICABLE
- 4 UNKNOWN

Police Action

DISPATCH

ARRIVED

CLEARED

OTHER

032920051217

1217

1230

1336

40

119

Officer's Name

Tom Mica Hatcher

Officer's ID

0726

Sgt. J. Payson

Date Report Filed

04012005

Report Taken By

- 1 POLICE AGENCY
- 2 MOTORIST

Report Taken At

- 1 HOME
- 2 STATION
- 3 OTHER

TOP COPY - ODPB BOTTOM COPY - AGENCY

80-0478-80

4/2/09



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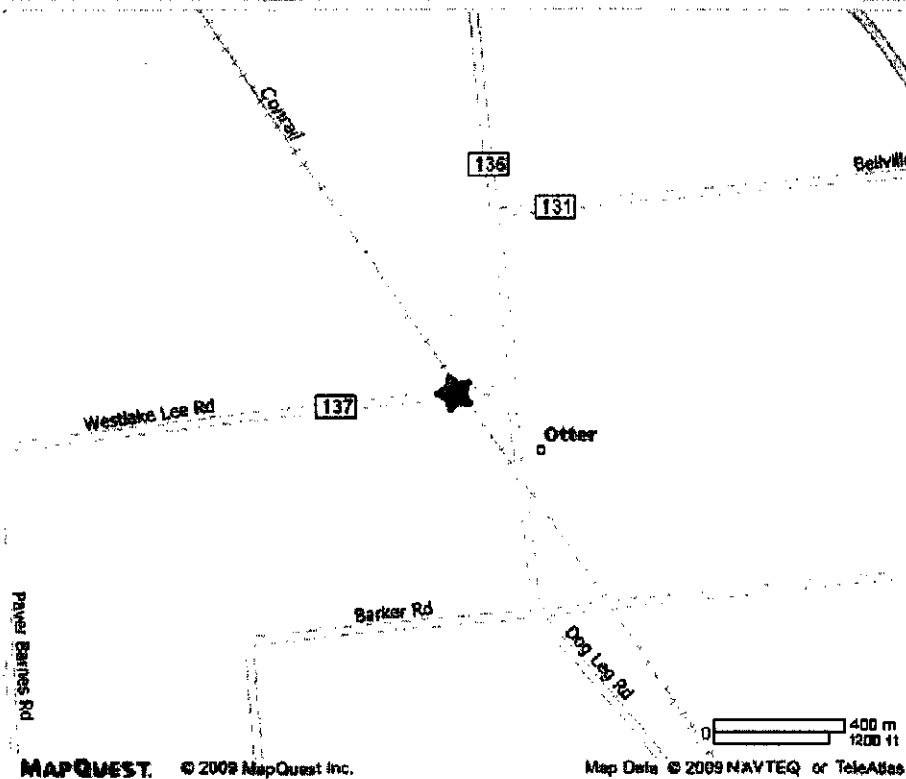


Maps Directions Yellow Pages Gas Prices

★ Latitude: 40.2776779
Longitude: -83.4225729



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UNION
CSX
WESTLAKE-LEE
513-817 H

4/2/09

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33 W - NW PARKWAY

900 AM

RIGHT ON BARKER

LEFT ON DOG LEG

LEFT ON WESTLAKE LEE

Union County

262126E	BEARSWAMP RD	CR149	RICHWOOD	CSX	781	2007
262137S	JOHNSON RD	CR179	RICHWOOD	CSX	1108	2007
513293Y	SCOTTLAWN RD	CR105	MARYSVILLE	CSX		
513296U	FLADT RD	CR35	MARYSVILLE	CSX	1066	2007
513297B	ADAMS RD	CR34	MARYSVILLE	CSX	294	2004
513300G	TAYLOR RD	CR33	MARYSVILLE	CSX	1060	2007
513302V	CROTTER RD	CR29	MARYSVILLE	CSX	684	2007
513303C	US42	US42-3.27	MARYSVILLE	CSX		
513304J	CONVERSE RD	CR23	AMLIN	CSX	615	2007
513305R	WARNER RD	TR6	AMLIN	CSX	257	2007
513801L	DAVIS RD	TR301	MANSFIELD	CSX	183	2004
513802T	NEWTON-PERKINS RD	CR259	MANSFIELD	CSX	144	2004
513804G	LUNDA RD	CR252	MANSFIELD	CSX	809	2007
513805N	MORSE RD	TR243	MANSFIELD	CSX	77	2004
513806V	HOOVER-BAULT RD	CR219	RAYMOND	CSX	97	2004
513807C	SR347	SR347-3.11	RAYMOND	CSX		
513810K	SR739	SR739-5.71	RAYMOND	CSX		
513811S	LIBERTY WEST RD	CR125	RAYMOND	CSX	226	2007
513814M	PAVER-BARNES	CR134	MARYSVILLE	CSX	238	2007
513815U	SHIRK RD	CR224	MARYSVILLE	CSX	283	2004
513817H	WESTLAKE LEE RD	CR137	MARYSVILLE	CSX	150	2004
513818P	DOGLEG RD	TR136	MARYSVILLE	CSX	233	2007
513821X	DOGLEG RD	TR136	MARYSVILLE	CSX	217	2007
513823L	RAYMOND RD		MARYSVILLE	CSX		
513825A	MAPLE ST		MARYSVILLE	CSX		
513827N	MAIN ST	SR31-0.19	MARYSVILLE	CSX		
513829C	CHERRY ST		MARYSVILLE	CSX		
513830W	DELAWARE AVE		MARYSVILLE	CSX		
513831D	FIFTH ST		MARYSVILLE	CSX		
513832K	INDUSTRIAL PKWY		MARYSVILLE	CSX		
545093D	SR739		RICHWOOD	CSX		
903791K	RAYMOND RD	CR191	LIBERTY	CSX	1953	2007

AREA TRANSPORTATION COORDINATORS (2008-2009)

NAME	SCHOOL DISTRICT	ADDRESS	PHONE #	FAX #	E-MAIL ADDRESS
Brian Nauman	North Union	416 Grove Street Richwood, OH 43344	740-341-9363 (cell) 740-943-2893 or 740-943-3113 (Ext. 274)	740-943-2534	bnauman@n-union.k12.oh.us
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Carrie Ault	LEADS Headstart	111 Morey Drive Marysville, OH 43040	937-642-1230	937-642-1996	cault@imnetweb.net