RECEIVED-DOCKETING DIV

2017 NOV -6 PM 12: 30

PUCO

Memo

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NC

To: Docketing Division From: George Martin, Grade Crossing Planner, Rail Division

Re: In the matter of the authorization of CSX Transportation, Indiana & Ohio Railway, and Norfolk Southern Railway to install active grade crossing warning devices in five counties

Public Utilities

Commission of Ohio

Date: November 6, 2007

The Ohio Rail Development Commission (ORDC) has authorized the funding for CSX Transportation (CSX), Indiana & Ohio Railway (IORY), and Norfolk Southern Railway (NS) to install active grade crossing warning devices at the following locations:

CSX

Auglaize County, Pusheta Township, Owl Creek Rd/TR 126, DOT# 155-270D

Miami County, City of Troy, Union St, DOT# 155-181L

Logan County, Near De Graff, CR 11, DOT# 538-716T

IORY

Clinton County, Village of Sabina, Hulse St, DOT# 151-936P

NS

Montgomery County, City of Miamisburg, Kercher St, DOT# 524-650E

These crossings were surveyed by staff from the railroads, the Commission, ORDC, and local authorities and were found to warrant upgrades. Due to the complexity of the CSX project in Miami County it is anticipated that extensions will be requested.

These projects are actual cost and will be federally funded. Staff requests an Entry with plans and estimates to be submitted within 90 days and completion within one year. Upon approval of the plans and estimates by ORDC construction may commence. A suggested case coding and heading would be;

PUCO Case No. 07- 1/69 -RR-FED In the matter of the authorization of CSX Transportation, Indiana & Ohio Railway, and Norfolk Southern Railway to install active grade crossing warning devices in five counties

C: Legal Department

Page 1

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 _____ Date Processed ______

Please serve the following parties of record:

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

Mr Rick Ray Norfolk Southern Railway 1200 Peachtree St NE, Box 123 Atlanta, Ga 30309

Mr Mel McNichols

CSX Transportation

500 Water St J-301

Jacksonville, FI 32202

Mr Biff Conrad Indiana & Ohio Railway 497 Circle Freeway Dr, Ste 230 Cincinnati, Oh 45246

Pusheta Township Trustees 14002 Pusheta Rd Wapakoneta, Oh 45895 Steve Leffel

City of Troy

100 S Market St

PO Box 3003

Troy, Oh 45373

Logan County Engineer

1991 CR 13

PO Box 427

Bellefontaine, Oh 43311-0427

Mayor Dean Carnahan

99 N Howard St

Sabina, Oh 45169

Robert Stanley, City Engineer

.

10 N First St

Miamisburg, Oh 45342

OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO: George Martin, Planner, Railroad Division, PUCO

FROM: Susan Kirkland, Supervisor, Rail-Highway Safety Section

BY: Tim Perkins, Grade Crossing Specialist Im Aurkine

SUBJECT: Grade Crossing Warning Projects

DATE: October 24, 2007

You may authorize the railroads to proceed with the non-field work for these projects. 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. AUG - T.R. 126, Owi Creek - CSX AAR No. 155 270 D (Actual cost) MIA - Union Street - CSX AAR No. 155 181 L (Actual cost) CITY of TRoY LOG - C.R. 11 - CSX AAR No. 538 716 T (Actual cost) LoGAN COUNTY (NEAR DE GRAF) CLI - Hulse Street - I&O AAR No. 151 936 P (Actual cost) VILLAGE OF SABUJA MOT - Kercher Street - NS AAR No. 524 650 E (75% ORDC / 25% NS) CITY of MNAMISSURG Thank you for your assistance with this matter.

c: S. Kirkland - File

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The Public Utilities			Butt Dudates
			Rail Division 180 East Broad Street
S Commission of Ohio	· .	_	— • • • • • • • • • • • • • • • • • • •
		JEFF ZWEI	BEL 419-738-5643
	Diagnostic Review	Team Survey	717-138-3643
	Diagnostic hericit	Date:	9/6/07 1030 AM
	an a		1607 1030 Km
Location Data			
Street or Road Name:	EER RD/TRI	126	
		AAR-D	DTT
Twp., Co., SR or US) 1K 126 (include	de SLM if State or US route)	No.:	155-270
Country AVGLAIZE Townsh		City: (In or Near) WAPA	Kaseta
P-ilecod -	Reilcoad .		Branch/Line
Name: C5X	Division: MIDWE		Name:
Nearest RR Timetable Station: BOTILINS		KRI	111epost 44.86 114.87
On-Site Review Team			
			*** <u>**</u>
(Include: Name - Organization - Phone Num	nber)	116 11-	C
1 GEORGE MARTIN	PUCO 6	14-752-	4107
Dia Parte	Pushtoter	4119 7:	197252
2. Jen & tenour		100 mm	
3. Jerry tiston	GA Winter	419 738	3 4913
4. En Kark	Rushata	<u> </u>	-8592
5. Mel McNichol		904 35	1-1158
	$\frac{1}{2}$		
6. Bob KOSEHAN	<u> </u>		9-116B
7. TIM PERKINS	ORDC	614-64	4-02.84
8			· · · · · · · · · · · · · · · · · · ·
9	·	· · · · · · · · · · · · · · · · · · ·	
10.			
Existing Traffic Control Device	· · · · · · · · · · · · · · · · ·		
	لأممال مقصيل		
Type of Warning Devices	/ Installed?		Quantity/Comments
Advance Warning Signs	Yes 🗋	No 2	+ ACTINE XING
Advance Warning Signs 'Stop' Signs	Yes Yes Yes	No	
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	Yes Yes Yes Yes Yes	No To	+ ACTINE XING
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Yes Yes Yes Yes Yes Yes Yes	No 7	T ACTINE XING SIGNS
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks	Yes Yes Yes Yes Yes	No 7- No 2- No 7-	+ ACTINE XING
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs	Yes Yes Yes Yes Yes Yes Yes Yes	No 7 No 2 No 2 No 7	+ ACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags	Yes	No 7 No 2 No 7 No 7 No 2	+ ACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal	Yes	No Z No Z No Z No Z No Z No Z	+ ACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights	Yes	No 2	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights	Yes	No 2 No 3 No 3	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights	Yes	No 2	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates	Yes	No Z No Z No Z No Z No Z No Z No Z No No Num	PUCKEYE BUCKEYE ber: Length:
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells	Yes	No Z No Z No Z No Z No Z No Z No No Num No Num No Num	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	No Z No Z No Z No Z No Z No Z No No No Num No Num No Num	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs	Yes	No Z No Z No Z No Z No Z No Z No No Num No Num No Num No Num	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs Illumination	Yes Y	No Z No Z No Z No Z No Z No Z No No Num No Num No Num No Num	TACTINE XING SIGNS BUCKEYE
Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs	Yes	No Z No Z No Z No Z No Z No Z No No Num No Num No Num No Num	TACTINE XING SIGNS BUCKEYE

UPDATED (12/2006)

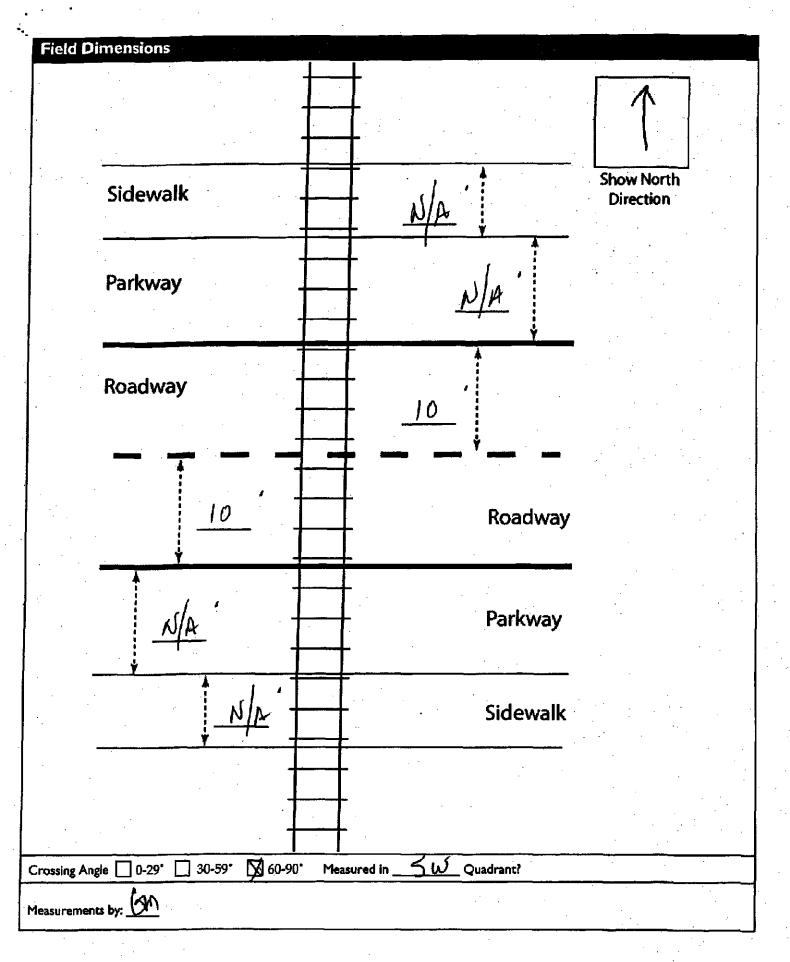
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Safety Data (Obtain crash repo	rts if possible prior to review)		
Salety Data (Obtain crush repo	Initial Information (from database)	Revised	
Number & dates of crashes in previous 5 years	1 317107 1		
Hazard Ranking /21	Date Run: 7 31 07	112	
Railroad Data			
Railroad Characteristics	Initial Information (from database)	Revised	
Total trains per day	22		
< I per day			
Day thru trains	8		
Night thru trains	13		
Daytime switching movements			
Nighttime switching movements	Ø		
Total number of tracks			
Number of main tracks	1		
Number of other tracks	0	· · · · · · · · · · · · · · · · · · ·	
Maximum train speed	50.		
Typical train speed	45		
Amtrak	NO	<u> </u>	
If non-gated crossing, is clearing sight distance		X Yes 🔲 No	
If multiple tracks, can two trains occupy cros	sing at the same time? 🔲 Yes 🛛 🕅 No		
Can one train block the motorists' view of an	10ther train at crossing? 🔲 Yes (Explain be	low) 🗗 Na	
Are there other track(s) crossing this same roadway within 100 ft of this crossing? Yes Xoo If yes, Crossing DOT #(if different) If yes, distance			
If yes, distance (take meas	urement between track centerlines at close		
lf yes, distance (take meas Roadway Data	urement between track centerlines at close		
If yes, distance (take meas Roadway Data	15HETA TOWNSHIP		
If yes, distance (take meas Roadway Data	15HETA TOWNSHIP Initial Information (from database)		
If yes, distance (take meas Roadway Data (take meas Local Highway Authority: (Who maintains this roadway!) Roadway Characteristics P(Average daily traffic P(15HETA TOWNSHIP Initial Information (from database) 96 / 2006)	st point along roadway) Revised	
If yes, distance (take meas Roadway Data (take meas Local Highway Authority: (Who maintains this roadway!) Roadway Characteristics P(Average daily traffic P(15HETA TOWNSHIP Initial Information (from database)	st point along roadway)	
If yes, distance (take meas Roadway Data (take meas Local Highway Authority: (Who maintains this roadway!) Roadway Characteristics P(C) Average daily traffic P(C)	15HETA TOWNSHIP Initial Information (from database) 96 (2006) X Yes INo	st point along roadway) Revised	
If yes, distance (take meas Roadway Data (take meas Local Highway Authority: (Who maintains this readway!) (Who maintains this readway!) P(Roadway Characteristics Average daily traffic Highway paved [15HETA TOWNSHIP Initial Information (from database) 96 (2006) X Yes INo	st point along roadway) Revised	
If yes, distance (take meas Roadway Data (take meas Local Highway Authority: (Who maintains this roadway!) Roadway Characteristics P(Roadway Characteristics Average daily traffic Highway paved [Roadway Surface: X Blacktop	15HETA TOWNSHIP Initial Information (from database) 96 (2006) X Yes INo	st point along roadway) Revised	
If yes, distance (take meas RoadWay Data (take meas Local Highway Authority: (Who maintains this readway!) Roadway Characteristics (take meas) Average daily traffic (take meas) Highway paved [take meas] Roadway Characteristics (take meas) Average daily traffic (take meas) Highway paved [take meas] Roadway Surface: [X] Blacktop [take meas] Roadway width: 100 ft. [take meas]	USHETA TOWNSHIP Initial Information (from database) 96 (2006) Yes No Concrete Other	st point along roadway) Revised Yes INO	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) Roadway Characteristics P(C Roadway Characteristics P(C Average daily traffic P(C Highway paved [Roadway Surface: X Blacktop Roadway width:	15HETA TOWNSHIP Initial Information (from database) 96 (2006) X Yes INo	st point along roadway) Revised Yes No	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) P(Roadway Characteristics Average daily traffic Highway paved Roadway Surface: X Blacktop Gravel Roadway width: 20 Roadway Width:	USHETA TOWNSHIP Initial Information (from database) 96 (2006) Yes No Concrete Other KVRAL 4_Amount	st point along roadway) Revised Yes No	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) P(Roadway Characteristics Average daily traffic Highway paved Roadway Surface: X Blacktop Gravel Roadway width: Local Highway lanes Urban or Rural? Vehicle Speed: MPH School Bus Operation: No X Pas	15HETA TOWNSHIP Initial Information (from database) 96 / 2006) Yes No Concrete Other RJRAL	st point along roadway) Revised Yes No	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) P(Roadway Characteristics Average daily traffic Highway paved Roadway Surface: X Blacktop Gravel Roadway width: D It. Number of highway lanes Urban or Rural? Vehicle Speed: X MPH School Bus Operation: No X Yes	USHETA TOWNSHIP Initial Information (from database) 96 (2006) Yes No Concrete Other KVRAL 4_Amount	st point along roadway) Revised Yes No	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) P(Roadway Characteristics Average daily traffic Highway paved Roadway Surface: X Blacktop Gravel Roadway width: 20 Roadway Bares Urban or Rural? Vehicle Speed: MPH School Bus Operation: No Yes Hazardous Materials Trucks: No Yes Is the shoulder surfaced? No Yes	15HETA TOWNSHIP Initial Information (from database) 96 96 2006 Yes No Concrete Other KURAL 4 Amount Yes Z 4 Amount	st point along roadway) Revised Yes No	
If yes, distance (take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) P(Roadway Characteristics Average daily traffic Highway paved Roadway Surface: X Blacktop Gravel Roadway width: P_0 Roadway With: P_0 Roadway Materials Trucks: No Yes Shoulders: No Yes	15HETA TOWNSHIP Initial Information (from database) 96 96 2006 Yes No Concrete Other KURAL 4 Amount Yes Z 4 Amount	st point along roadway) Revised Yes No	

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Quadrant	Quadrant
Curb and Gutter: [] Functional (Curb height = 4" or more)	Curb and Gutter: 🔲 Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
X None	None
Pedestrians: XNo Yes	1
Is sidewalk present? X No Yes	
Is there a nearby intersection that could cause queuing over the c	rossing? 🕅 No 🔲 Yes
Is there a hearby intersection that could cause queuing over the c If yes, Distance	
Is this intersection signalized? 💆 No 🗌 Yes	
Are the signals currently interconnected with the existing crossi	ing warning devices) TYNo TYNo
Are the signals currently incerconnected with the existing crossi	ing warning devices? The Yes
Is it the consensus of the Diagnostic Review Team that this is a po	itential closure project: 🗌 No 👘 Yes
Explain reasons:	
Type of Development	
Open Space Institutional Location of nearby	schools:
Industrial 🖂 Commercial	
Residential FARMS SEAN	
Utility Information	
Is commercial power available? 🔯 No 🗌 Yes	
Utility Provider (Company Name) CITY OF WAPA KO	NETA Phone Number
What other utilities are present?	
Is there potential utility conflict(s) Yes No Uni	known
Diagnostic Team Recommendations	
	Quadrants Needed
Install/upgrade active devices	POULR NEEDS TO
Automatic Flashing Lights (AFLS)	BE PULLED FROM
AFLS / Cants	DIXIE Havy
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 Sketch	MORTH DIXE HEY
X	DWL CREEK PAD
Crossing Angle 0-29° 30-59° (60-90° Measured in <u>5</u> Sketch by: <u>5</u> M	Quadrant?

TABLE I

Table 2

Clearing Sight Distances

Stopping Sight Distances

Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)
I - 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 5foot increment.

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

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

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.

		Rail Division
The Public Utilities Commission of Ohio		180 East Broad Stree
		DEBBIE SWAN GR7 22
¥	Disensettis Berriery Tear	JUTIN 931.33
	Diagnostic Review Tea	
		Date: 9/6/07 /PM
Location Data		
Street or Road Name: UNION	ST.	
Route/Road Number (I.e. Twp., Co., SR or US) (include S	LM if State or US route)	AAR-DOT No: 155-181L
County: MIAMI Township:	City: (in or Near) /KOY
Railroad Name: CSX	Railroad Division: DETROIT	Branch/Line Name:
Nearest RR Timetable Station: TROY		RR Milepost 78.94
On-Site Review Team		
(Include: Name - Organization - Phone Numbe	a)	· · · · · · · · · · · · · · · · · · ·
1 (SENPLSE MARTIN	PUCO 614	-752-9107
TIM PERKINS		-644-0284
3. Mel McNicholi	· · · · · · · · · · · · · · · · · · ·	4-359-1158
4 BOD ROSSMAN	CSXT 944	-359-1166
5. NEIL E. TEAFD.	RD CITY OF TROY	1 937-339-2641
6. STEVE LEFFEL	11 11 11	51 B1 61
7	n	
	AX TO CATY C	OF TROY
9.		
10		
10 Existing Traffic Control Device		
10 Existing Traffic Control Device Type of Warning Devices	Installed?	Quantity/Comments
10 Existing Traffic Control Device: Type of Warning Devices Advance Warning Signs	installed?	Quantity/Comments
10 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs	Installed? Yes No Yes No	Quantity/Comments
10 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	installed? Yes No Yes No Yes No Yes No	Quantity/Comments
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Installed? Yes Yoo	
10	Installed? Yes No	3
10	Installed? Yes No	3
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags	Installed? Yes No	3
10	Installed? Yes No Yes No	3
10	installed? Yes No Yes No	3
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights	installed? Yes No Yes No	3
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights	installed? Yes No Yes No	3 2 2 Number: 1 Length: 18
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates	installed? Yes No Yes No	3
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells	installed? Yes No Yes No	3 2 2 Number: 1 Length: 18
10. Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms	installed? Yes No Yes No	3 2 2 Number: 1 Length: 18
10	installed? Yes No Yes No	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 <t< td=""></t<>
10. Existing Traffic Control Device Type of Warning Devices Advance Warning Signs Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs Illumination	installed?	3 2 2 Number: 1 Length: 18
10	installed? Yes No Yes No	3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 <t< td=""></t<>

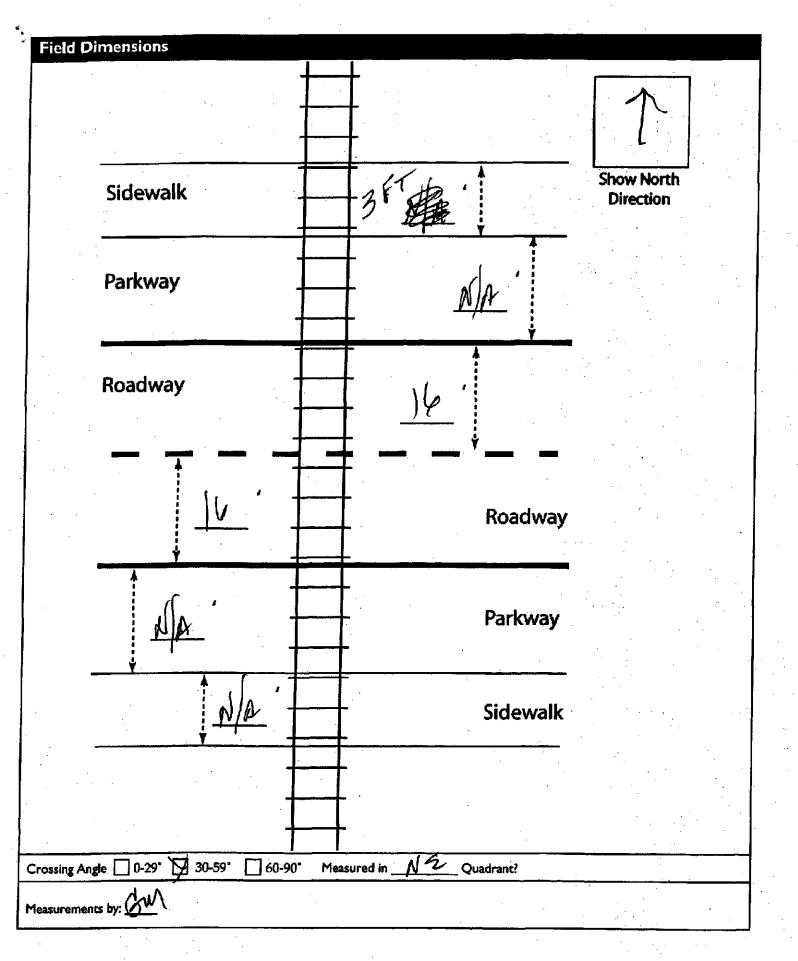
UPDATED (12/2006)

Safety Data (Obtain crash repo	orts, if possible, prior to review)	
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 4/23/05 1	
Hazard Ranking 95	Date Run: 7/3/ 07	/ 99
Railroad Data		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	44	
< I per day		······································
Day thru trains	and 12	
Night thru trains	2.7	
Daytime switching movements	3	
Nighttime switching movements	(C)	
Total number of tracks	2	
Number of main tracks	\$ 1	
Number of other tracks	21	
Maximum train speed	25	
Typical train speed	25	
Amtrak		
If yes, distance (take mea Roadway Data		et point along roadward
Local Highway Authority:		st point along roadway)
(Who maintains this readway?) CITY	OF TROY	
(Who maintains this roadway?) CITY Roadway Characteristics	Initial Information (from database)	Revised
(Who maintains this readway?) <u>CITY</u> Roadway Characteristics Average daily traffic	Initial Information (from database)	Revised
(Who maintains this readway?) <u>CITY</u> Roadway Characteristics Average daily traffic	Initial Information (from database)	Revised
(Who maintains this readway?) <u>CITY</u> Roadway Characteristics Average daily traffic Highway paved	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Blacktop Gravel	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: St Blacktop [] Gravel [Roadway width: 32-ft.	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Stacktop Gravel Roadway width: 32-ft. Number of highway lanes 2	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Roadway width: 32-ft. Number of highway lanes 7_	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Roadway width: 32-ft. Number of highway lanes 7 Urban or Rural? Vehicle Speed: 22_ft.	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Roadway width: 32-ft. Number of highway lanes Jrban or Rural? Vehicle Speed: 22_ MPH School Bus Operation: No X Yes	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Roadway width: 32_ft. Number of highway lanes Jrban or Rural? Vehicle Speed: 22_MPH School Bus Operation: No 2 Hazardous Materials Trucks:	Initial Information (from database) 380 Yes No Concrete Other URBAN 4_Amount	Revised
(Who maintains this roadway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Blacktop [] Gravel Roadway width: 32-ft. Number of highway lanes Jrban or Rural? Vehicle Speed: 22 MPH School Bus Operation: No Attriation of the statement	Initial Information (from database)	Revised
(Who maintains this readway?) CITY Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Roadway width: 32-ft. Number of highway lanes Vrban or Rural? Vehicle Speed: 22 MPH School Bus Operation: No Shoulders: Mo Yes	Initial Information (from database)	Revised

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Quadrant	
□ Non-functional (Curb height = Less than 4") □ Non-functional (Curb height = Less than 4") □ None □ None Pedestrians: □ No ② Yes is sidewalk present? □ No ② Yes is there a nearby intersection that could cause queuing over the crossing? ○ No □ Yes If yes, □ □ ○ ○ Yes Is this intersection signalized? ○ No □ Yes Is it the consensus of the Diagnostic Review Team that this is a potential closure project. ○ No □ Yes Explain reasons: □ Open Space ○ Institutional Location of nearby schools: □ Industrial ☑ ○ ○ Yes □ Utility (nformation Is commercial power available? No ② Yes Utility Provider (Company Name)	
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AFLS/Gates INGRAUS FOR	·
AFLS / Gates / Cants Gates / Cants Gates / Cants	
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□ Install/Replace curb □ Other (define) □ DAKITA SIRSAT	<u>w</u>
Comments:	
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Install/upgrade traffic signal preemption ALR22 MANS INTER	∇
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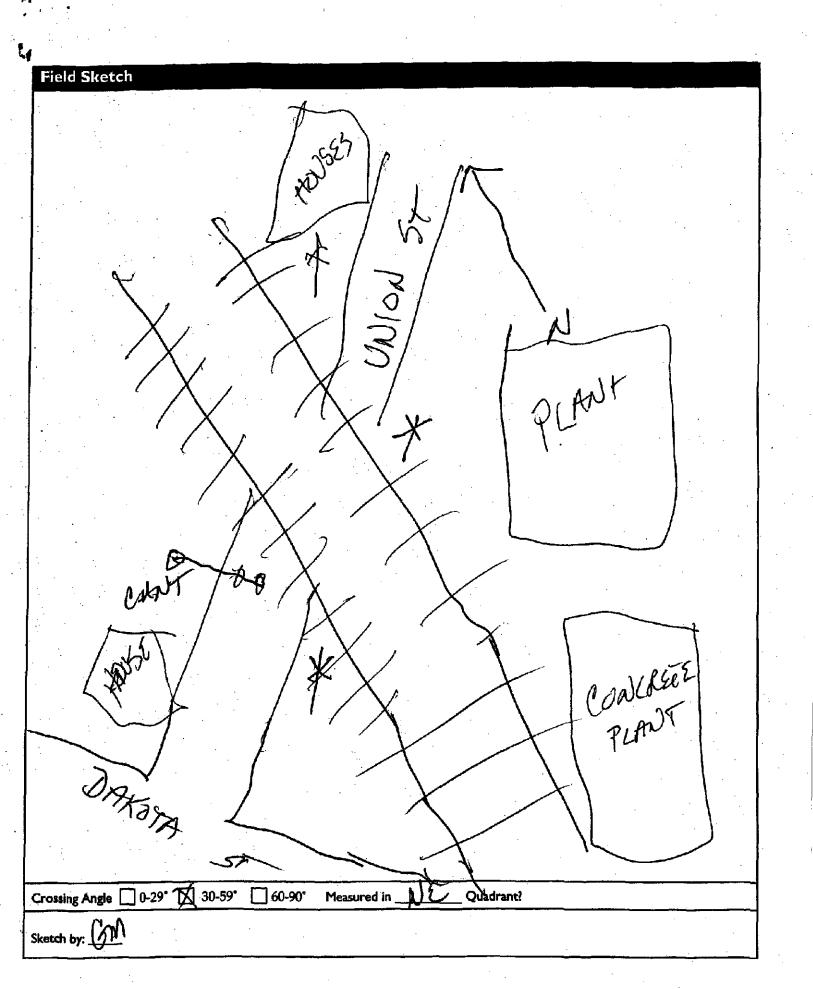


TABLE I

Clearing Sight Distances

	Table	2

Stopping 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 5foot increment.

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

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

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 5foot 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.

* (35) ¹¹³ COM			Rail Division
The Public Utilities Commission of Ohio			180 East Broad Street
Commission or office	·	Cott Colemp	Columbus, OH 43215
			W 937-592
	Diagnostic Review Team		2791
	n an	Date: 977	07_1030 AM
Location Data			
Street or Road Name: N. D 1	1		
Street or Koald Name CR 1		AAR-DOT	
Two, Co., Skor US) VV~ (V	de SLM if State or US route)	No.: 538	-716T
County: LOGAN Townsh	hip: PLEASANT City: (In on Near)	DE GRAFF	
Railroad Name: USX	Railroad Division: INDIANAPOLI	S Branch Name:	JUDIANAPOLKS LA
Nearest RR Timetable Station: DE GRAFF		RR Milepost / L	7.24
On-Site Review Team			
(Include: Name - Organization - Phone Nur	mher)		
	AGIN PUCO 614	4-752-91	57
		904 - 359	
2. Mel McNichols			
3. (SOR KOSSMAN.	CSXT	944-359-	<u>1166</u>
	ORDC	614 644 0	284
4 TIM PERKINS	UNUC		
4. TIM PERKINS	Log Co Eng	937-592-1	2791
4. Tim PERKINS 5. ScottColeman		939-592-2	2791
4. <u>Tim PERKINS</u> 5. <u>ScottColeman</u> 6		937-592-1	21791
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4. <u>Tim PERKINS</u> 5. <u>ScottColeman</u> 6		937-592-1	2791
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4. <u>Tim PERKINS</u> 5. <u>ScottColeman</u> 6 7		937-592-2	<u>2791</u>
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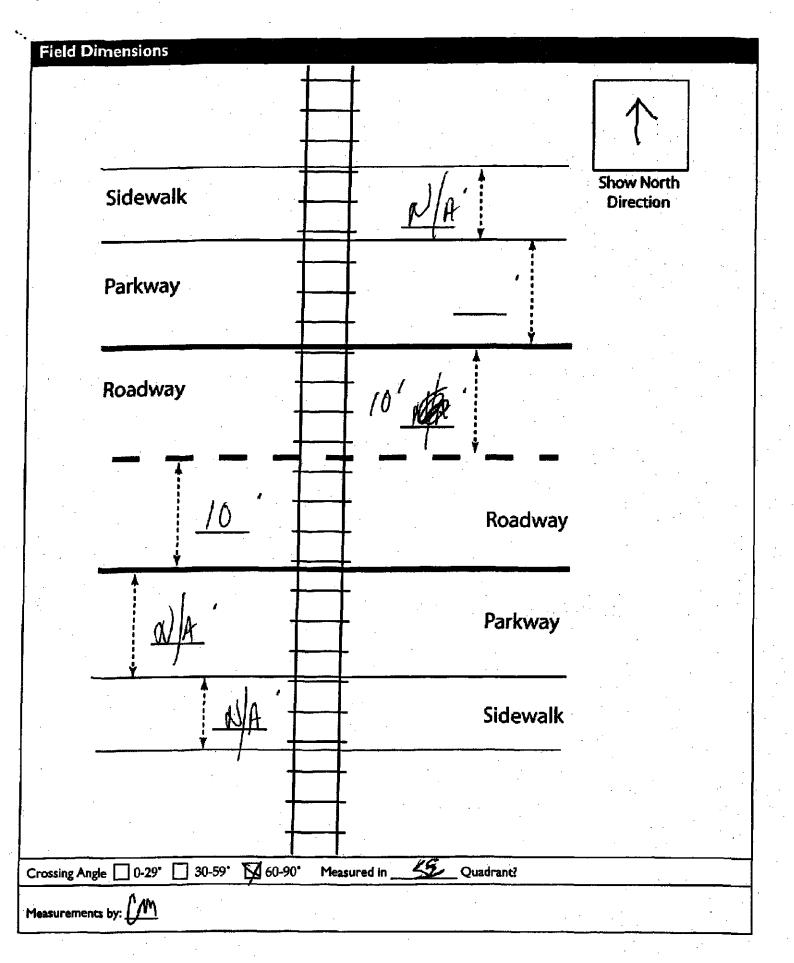
UPDATED (12/2006)

Safety Data (Obtain crash repo	rts if possible prior to review)	
Salety Data (Obtain crash repo	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	1 813106	
Hazard Ranking 37	Date Run: 7/3/107	
Railroad Data		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	29,	
< i per day		
Day thru trains	16	
Night thru trains	19	
Daytime switching movements	2	
Nighttime switching movements	<u> </u>	
Total number of tracks	<u> </u>	
Number of main tracks	<u> </u>	
Number of other tracks		
Maximum train speed	60	
Typical train speed	50	
Amtrak	<u> </u>	
Can one train block the motorists' view of a	nother train at crossing! M Tes (Explain be	IOW) DINO PASSING TRAND
Roadway Data	urement between track centerlines at close	res X No
If yes, Crossing DOT #(if different) If yes, distance (take meas Roadway Data		res X No
If yes, Crossing DOT #(if different) If yes, distance(take meas Roadway Data Local Highway Authority: (Who maintains this roadway?) LOGA	THE COUNTY	res X No st point along roadway)
If yes, Crossing DOT #(if different)	W COUNTY Initial Information (from database)	res X No st point along roadway)
If yes, Crossing DOT #(if different) If yes, distance(take meas Roadway Data Local Highway Authority: (Who maintains this roadway?) LOGA Roadway Characteristics Average daily traffic	W COUNTY Initial Information (from database)	res X No st point along roadway) Revised
If yes, Crossing DOT #(if different)	W COUNTY Initial Information (from database)	res X No st point along roadway) Revised
If yes, Crossing DOT #(if different)	W COUNTY Initial Information (from database)	res X No st point along roadway) Revised
If yes, Crossing DOT #(if different) If yes, distance(take meas Roadway Data Local Highway Authority: (Who maintains this roadway?) Roadway Characteristics Average daily traffic Highway paved Roadway Surface: [\Blacktop [] Gravel [] Roadway width:ft. Number of highway lanes	W COUNTY Initial Information (from database) 194 (2006) Yes No Concrete []Other	res X No st point along roadway) Revised Yes No
If yes, Crossing DOT #(if different) If yes, distance(take meas Roadway Data Local Highway Authority: (Who maintains this roadway?) (Who maintains this roadway?) Roadway Characteristics Average daily traffic Average daily traffic Highway paved Roadway Surface: [V] Blacktop [] Gravel [] Roadway width: ft. Number of highway lanes Urban or Rural?	W COUNTY Initial Information (from database)	res X No st point along roadway) Revised
If yes, Crossing DOT #(if different) If yes, distance(take meas Roadway Data Local Highway Authority: (Who maintains this roadway!) LOGA Roadway Characteristics Average daily traffic Highway paved Roadway Surface: Selacktop Gravel [Roadway width: LO ft. Number of highway lanes Urban or Rural? Vehicle Speed: 55 MPH	W COUNTY Initial Information (from database) 194 (2006) Yes No Concrete []Other	res X No st point along roadway) Revised Yes No
If yes, Crossing DOT #(if different)	W COUNTY Initial Information (from database) 194 (2006) Yes No Concrete [Other	res X No st point along roadway) Revised Yes No
If yes, Crossing DOT #(if different)	W COUNTY Initial Information (from database) 194 (2006) Yes No Concrete [Other	res X No st point along roadway) Revised Yes No
If yes, Crossing DOT #(if different)	Surement between track centerlines at closes N (DUNTY Initial Information (from database) <u>194 (2006)</u> Yes No Concrete [Other 2 2 2 2 2 2 2 2 2 2 2 2 2	res X No st point along roadway) Revised Yes No
If yes, Crossing DOT #(if different)	Surement between track centerlines at closes N (DUNTY Initial Information (from database) <u>194 (2006</u>) Yes No Concrete [Other 2 2 2 2 2 2 2 2 2 2 2 2 2	res X No st point along roadway) Revised Yes No

Quadrant	Quadrant
Curb and Gutter: 🛄 Functional (Curb height = 4" or more)	Curb and Gutter: Curb height = 4" or more)
[] Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
1 None	
	None
Pedestrians: X No Yes	
Is sidewalk present? 🕅 No 🗌 Yes	
is there a nearby intersection that could cause queuing over the c	rossing? XNo Yes
If yes, Distance	
Is this intersection signalized? 🗹 No 🛛 📋 Yes	
Are the signals currently interconnected with the existing cross	ing warning devices? 🔀 No 🛛 Yes
Is it the consensus of the Diagnostic Review Team that this is a po	otential closure project: 🔀 No 🔲 Yes
Explain reasons:	
Type of Development	
Copen Space Institutional Location of nearby	v schools
	+ MILES
X Residential	
Hiller Information	
Utility Information	
	1 CO - OP Phone Number
s commercial power available? No Yes Juility Provider (Company Name) <u>LDGAN</u> COVNTY	U - DP Phone Number
s commercial power available? No Yes Itility Provider (Company Name) <u>LDGAN COVN</u> Nearest Available Power Source <u>AT CROSSING</u>	
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s commercial power available? No Yes Juility Provider (Company Name) <u>LDCAN</u> COUNTY Nearest Available Power Source <u>AT</u> <u>(RDSSINC</u> What other utilities are present? <u>VC</u> CABL ²	OH ELECTRIC - E. SIDE
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s commercial power available? No Yes Atility Provider (Company Name) <u>CDGAN</u> <u>CONT</u> Hearest Available Power Source <u>AT</u> <u>CRDSSLUG</u> What other utilities are present? <u>VG</u> <u>CABL</u> ?- is there potential utility conflict(s) Yes No XUn Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Gates AFLS / Gates / Cants	OH ELECTRIC - E. SIDE known OF CROSSI
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s commercial power available? No Yes Utility Provider (Company Name) <u>LDGAN</u> <u>CONT</u> Nearest Available Power Source <u>AT</u> <u>CRDSSING</u> What other utilities are present? <u>VG</u> <u>CABL</u> ?- is there potential utility conflict(s) <u>Yes</u> No <u>V</u> Un Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Gates AFLS / Gates / Cants Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb	OH ELECTRIC - E. SIDE known OF CROSSI
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s commercial power available? No Yes Julity Provider (Company Name) <u>LDGAN</u> <u>CONN</u> Nearest Available Power Source <u>AT</u> <u>GDSSING</u> What other utilities are present? <u>UG</u> <u>CABL</u> ?- s there potential utility conflict(s) <u>Yes</u> No <u>W</u> Un Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Gates AFLS / Gates / Cants Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb Other (define)	OH ELECTRIC - E. SIDE known OF CROSSI
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s commercial power available? No Yes Jtility Provider (Company Name) <u>LDCAN</u> <u>CWN17</u> Nearest Available Power Source <u>AT</u> <u>RDSSINC</u> What other utilities are present? <u>UC</u> <u>CABL2</u> s there potential utility conflict(s) <u>Yes</u> No <u>W</u> Un Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Gates AFLS / Gates / Cants Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb Other (define) Comments:	OH ELECTRIC - E. SIDE known OF CROSSI
s commercial power available? No Yes Jtility Provider (Company Name) <u>LDC2AN</u> <u>CWN17</u> Nearest Available Power Source <u>AT</u> <u>(RDS510)C</u> What other utilities are present? <u>UC</u> <u>CABL2</u> s there potential utility conflict(s) <u>Yes</u> No <u>W</u> Un Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) <u>AFLS / Gates</u> AFLS / Gates / Cants <u>Upgrade circuitry</u> Sidelights <u>Guardrail Needed</u> <u>Install/Replace curb</u> <u>Other (define)</u> Comments:	OH ELECTRIC - E. SIDE known OF CROSSI

1 **R**.-

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Field Sketch HOUSE COLD field CR IL COPA FIGET, OH LINES Gi_ Quadrant? Crossing Angle 0-29° [] 30-59° 🔀 60-90° Measured in Sketch by:

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TABLE I

Clearing Sight Distances

Stopping Sight Distances

<u> </u>	
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 5foot increment.

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

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

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 5foot 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.

*1 STATE		
The Public Utilities	· · · · ·	Rail Division 180 East Broad Street
Commission of Ohio	2020	Columbus, OH 43215
	SOP DE	AN 927-207 00111
r)iagnostic Review Team S	An 937-302-0840
L	haghostic Review Team 5	
	ana an	Date: 8 30 07 1030 AM
Location Data	관계 가슴 관광 관계 등 것 같아.	
	ing a second a second provide the first second second provide a second	n an
Street or Road Name: HULSE 5	<u>>7</u>	
Route/Road Number (Le. (include SLM	1 if State or US route)	AAR-DOT 151-936P
Twp., Co., SR or US) (include SL) County: A Line Township:	City(In)	<u> </u>
CUNTON	or Near)	SABINA
Railroad INOH	Railroad Division: LOUIS VILLE	Branch/Line Name:
Alexand BD	Divisione LOUIS VICE	RR Milepost: // / つ
Timetable Station: SABINA	· · ·	66.13
On-Site Review Team		
	<u>ى بېرىمە ئەرىمە بەر بەر مەنۋىرىم مۇمەر مەقىرە بەتراپ ئەن</u> م	
(Include: Name - Organization - Phone Number)	1	
1 GYORIF MALTIN	J PUCO 6	14-752-9107
		14-1 14-0207
2 QQ 16535	OR DC (614-644-0307
3. Don Clark	Rosc Kai Arminica	859-391-5530
Do	Im MALOR	524-2123
5. Shylan Vit		584-9735
6		
7		
8	·	· · · · · · · · · · · · · · · · · · ·
9		
/ ^{9,}		
10	<u></u>	
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 Invo	
Pavement Markings		
Crossbucks		
Number of Tracks Signs	Yes No	
	Yes VIVo	
Inventory Tags	☐ Yes	
	☐ Yes ☑ No ☑ Yes ☐ No ☐ Yes ☑ Yoo	1
Inventory Tags	☐ Yes	
Inventory Tags Interconnected Highway Traffic Signal	☐ Yes ☑ No ☑ Yes ☐ No ☐ Yes ☑ Yoo	Number: Length:
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights	Yes No Yes No Yes No Yes Yoo Yes Yoo Yes Yoo	Number: Length:
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights	Yes No	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights	Yes No Yes No Yes No Yes Yoo	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates	Yes No	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Interconnected Highway Traffic Signal Cantilever Flashing Lights Interconnected Highway Traffic Signal Side Lights Interconnected Highway Traffic Signal Automatic Gates Interconnected Highway Traffic Signal Bells Interconnected Highway Traffic Signal Sidewalk Gate Arms Interconnected Highway Traffic Signal	Yes No	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs	Yes No	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs illumination	Yes No	
Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights Cantilever Flashing Lights Side Lights Automatic Gates Bells Sidewalk Gate Arms 'No Turn' Signs	Yes No	

UPDATED (12/2006)

Safety Data (Obtain crash re		
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 yes		
Hazard Ranking 98	1 ' Date Run: 7 31 10 7	75
Railroad Data		
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	<u>6</u>	
< per day		
Day thru trains	2	· · · · · · · · · · · · · · · · · · ·
Night thru trains	2	
Daytime switching movements	2	· · · · · · · · · · · · · · · · · · ·
Nighttime switching movements	0	
Total number of tracks		
Number of main tracks		· · · · · · · · · · · · · · · · · · ·
Number of other tracks	0	``````````````````````````````````````
Maximum train speed		
Typical train speed		
Amtrak	NO	
f multiple tracks, can two trains occupy of Can one train block the motorists' view of Are there other track(s) crossing this san If yes, Crossing DOT #(If different) _		elow) No Yes Y No
Are there other track(s) crossing this san If yes, Crossing DOT #(if different)	crossing at the same time? [] Yes [] No of another train at crossing? [] Yes (Explain be ne roadway within 100 ft of this crossing? [] T measurement between track centerlines at close	elow) No Yes Y No
f multiple tracks, can two trains occupy of Can one train block the motorists' view of Are there other track(s) crossing this san If yes, Crossing DOT #(if different)	Crossing at the same time? [] Yes [] No of another train at crossing? [] Yes (Explain be ne roadway within 100 ft of this crossing? [] T neasurement between track centerlines at close OE OF SABINA	elow) No Yes V No st point along roadway)
f multiple tracks, can two trains occupy of Can one train block the motorists' view of Are there other track(s) crossing this san If yes, Crossing DOT #(If different)	crossing at the same time? Yes Yo of another train at crossing? Yes (Explain be ne roadway within 100 ft of this crossing? Yes neasurement between track centerlines at close GE OF SABINA Initial Information (from database)	elow) No Yes Y No
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f multiple tracks, can two trains occupy of Can one train block the motorists' view of Are there other track(s) crossing this san If yes, Crossing DOT #(If different)	Crossing at the same time? [Yes Mo of another train at crossing? Yes (Explain be ne roadway within 100 ft of this crossing?] neasurement between track centerlines at close CE OF SABINA Initial Information (from database) Ma95 (2003) [Yes] No Concrete]Other	elow) No Yes V No st point along roadway) Revised
f multiple tracks, can two trains occupy of Can one train block the motorists' view of Are there other track(s) crossing this san If yes, Crossing DOT #(If different)	Crossing at the same time? [Yes Mo of another train at crossing? Yes (Explain be ne roadway within 100 ft of this crossing?] neasurement between track centerlines at close CE OF SABINA Initial Information (from database) Ma95 (2003) [Yes] No Concrete]Other	elow) No Yes V No st point along roadway) Revised
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Quadrant	Quadrant
Curb and Gutter: [] Functional (Curb height = 4" or more)	Curb and Gutter: 📋 Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	□ Non-functional (Curb height = Less than 4")
X None	None
<u> </u>	
Pedestrians: 🛛 No 🗌 Yes	
is sidewalk present? YNO Yes	
is there a nearby intersection that could cause queuing over the	e crossing? 🔽 No 📋 Yes
If yes, Distance	
Is this intersection signalized? 🔲 No 🛛 🕅 Yes	
Are the signals currently interconnected with the existing cro	ssing warning devices? 🔀 No 📋 Yes
Is it the consensus of the Diagnostic Review Team that this is a	potential closure project: NNO Yes
Explain reasons:	
Type of Development	
Open Space Institutional Location of near	by schools:
Dindustrial Commercial	Lic Multi
Residential	14 MIL2
Utility Information	
Is commercial power available? 🗌 No 🛛 🔣 Yes	
Utility Provider (Company Name) DP & L 5	Phone Number
An weight	
Nearest Available Power Source <u><u><u>RI</u></u><u><u><u>XIP</u></u></u></u>	
What other utilities are present? UGCAP	2/2/
	Jnknown
Diagnostic Team Recommendations	
7	Quadrants Needed
X Install/upgrade active devices	
Automatic Flashing Lights (AFLS)	
AFLS /Cants	
AFLS / Gates	
AFLS / Gates / Cants	
Sidelights	
Guardrail Needed	
Other (define)	
Comments:	
] Install/upgrade traffic signal preemption	
No improvements needed	
Other (define)	
· · · · · · · · · · · · · · · · · · ·	

Field D	limensions			
				NONTH
	Sidewalk		NA	Show North Direction
	Parkway		NA	
	Roadway		10	
	<u>)0</u>		Roadway	
	NA		Parkway	
	N/A		Sidewalk	
	· · · · · · · · · · · · · · · · · · ·			
rossing Ang	gle 🗌 0-29° 🔲 30-59° 🕅 60 ts by: 🖅	-90° Measured in	<u>SE</u> Quadrant?	

Field Sketch 401425 HOUSES WORTH A HULSE 5T ×0545 Halle SR 22 **(60-90**° Crossing Angle 🔲 0-29° 📋 30-5**9*** 44 Quadrant? Measured in _ Sketch by:

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TABLE I

Table 2

Clearing Sight Distances

Stopping Sight Distances				
	Stoppi	ng Sight	: Dista	nices

Cicai a. 6 - 10	
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 5foot increment.

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

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

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 5foot 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.

Location Data	agnostic Revi	してんがん れ ew Team Sur [HANSEL o	Vilities Commission of Ohio Rail Division 180 East Broad Street Columbus, OH 43215 37 - 866 - 3303 07 1030 AM
Street of Road Name: KERCHER_	ST			· · ·
Route/Road Number (i.e. Twp., Co., SR or US) (include SLM if	f State or US route)		AAR-DOT 576	F-650 E
County: A Township:	······································	City:(In) or Near)		
MONTGOMERY Railroad	Railroad		1AM15BUR	t/Line
Name: NS	Division: DEAT	KBORN	Name	Whine CINCINWATT LIN
Nearest RR Timetable Station: OXFORN			RR Milepost: 21	7.7
On-Site Review Team	a dina di santa di s	n an an an Aragon ann an Aragon		
(Include: Name - Organization - Phone Number)	7100	111 -	in and	
1. 19EOKISE MAIGIN	PUCO	614-1	<u>52-910</u>	
2 TIMPERVINS	ORDC	614.	644.02	.84
RShlimmar	NSC		03-228	
3. <u>B.J. Wimmer</u>			* · · · · · · · · · · · · · · · · · · ·	
4. RJ HARTMAN	NSCLS	937 -	308 - 249	
5. John Miller	City of Mish	1 937-	847 - 65:	57
6 Par STANKEY 6	WTY LAVON	Fr 937	847-6	2534
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7		·		
8				
9.				
				Contraction of the local data and the local data an
10				
10			-	
Existing Traffic Control Devices			-	· ·
Existing Traffic Control Devices Type of Warning Devices	Instal		Quan	tity/Comments
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs	V Yes	<u>□</u> Ŋo	Quan / WEST	tity/Comments
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs	Yes Yes	No Vivo	Quan / WEST	tity/Comments OF CADESING
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	Yes Yes Yes	☐ Ŋo Ŋ/Ŋo Ŋ No	1 4257	tity/Comments OF CL 0551NJC
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Yes Yes Yes Yes	□ No 1 No No No	/ WEST 2	tity/Comments OF CADESING
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks	Yes Yes Yes Yes	No No No No	/ WEST 2	tity/Comments OF CLOSSINJC
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs	Yes Yes Yes Yes Yes Yes	□ No □ No □ No □ No □ No	/ WEST 2 2 2	tity/Comments OF CADESING
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Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic Signal	Yes Yes Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No	1 WEST 2 2 2 2 2	tity/Comments OF CL DESING
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags Interconnected Highway Traffic Signal Mast-Mounted Flashing Lights	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	No	1 WEST 2 2 2 2 2 2 2 2 2 2 2 2 2	OF CLOSSING
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Pavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing Lights	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	No	1 WEST 2 2 2 2 2	tity/Comments OF CL 055 IN C
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide Lights	✓ Yes Yes ✓ Yes	No No	/ WEST 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Length:
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide LightsAutomatic Gates	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes		1 WEST 2 2 2 2 2 2 2 2 2 2 2 2 2	OF CLOSSING
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide Lights	✓ Yes Yes ✓ Yes		/ WEST 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Length:
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide LightsAutomatic GatesBellsSidewalk Gate Arms	Yes		/ WEST 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Length:
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide LightsAutomatic GatesBells	Yes Yes Yes		/ WEST 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Length:
Existing Traffic Control DevicesType of Warning DevicesAdvance Warning Signs'Stop' Signs'Stop Ahead' Signs'Stop Ahead' SignsPavement MarkingsCrossbucksNumber of Tracks SignsInventory TagsInterconnected Highway Traffic SignalMast-Mounted Flashing LightsCantilever Flashing LightsSide LightsAutomatic GatesBellsSidewalk Gate Arms'No Turn' Signs	Yes	No	/ WEST 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Length:

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Safety Data (Obtain crash repo	rts, if possible, prior to review)				
	Initial Information (from database)	Revised			
Number & dates of crashes in previous 5 years	1 6/18/04 11				
Hazard Ranking 90	Date Run: 7/31/07	86			
Railroad Data					
Railroad Characteristics	Initial Information (from database)	Revised			
Total trains per day	18.				
< I per day					
Day thru trains	6				
Night thru trains	10				
Daytime switching movements					
Nighttime switching movements	0	·			
Total number of tracks	2				
Number of main tracks	2				
Number of other tracks	0	·			
Maximum train speed	45				
Typical train speed	445				
Amtrak					
If non-gated crossing, is clearing sight distan	ce adequate in all quadrants? (See Table 1)	IVES \$1.NO (NE EVAD)			
If multiple tracks, can two trains occupy cro	ossing at the same time? Vyes 🚺 No				
Can one train block the motorists' view of	another train at crossing? 🗹 Yes (Explain be	IOW) INO PASSING TRAINS			
Are there other track(s) crossing this same roadway within 100 ft of this crossing? Yes Ko If yes, Crossing DOT #(if different)					
Roadway Data					
Local Highway Authority: (Who maintains this roadway?) CITY					
Roadway Characteristics	Initial Information (from database)	Revised			
Average daily traffic	12120	, 2250			
Highway paved	Yes No	Yes No			
Roadway Surface: 🗹 Blacktop 🔲 Gravel	Concrete Other				
Roadway width: <u>32-</u> ft.					
· · · · · · · ·					
Number of highway lanes	2	2			
	2- URBAN	2- URBAN			
Number of highway lanes	2- URBAN	2- URBAN			
Number of highway lanes Urban or Rural?		2- URBAN			
Number of highway lanes Urban or Rural? Vehicle Speed: <u>15</u> MPH		2- URBAN			
Number of highway lanes Urban or Rural? Vehicle Speed: <u>J_5</u> MPH School Bus Operation: No Ye Hazardous Materials Trucks: No Shoulders: No Yes		2- URBAN			
Number of highway lanes Urban or Rural? Vehicle Speed: <u>15</u> MPH School Bus Operation: No Ye Hazardous Materials Trucks: No Shoulders: No Yes Is the shoulder surfaced? No	Amount 9	2- URBAN			
Number of highway lanes Urban or Rural? Vehicle Speed: <u>J_5</u> MPH School Bus Operation: No Ye Hazardous Materials Trucks: No Shoulders: No Yes	Amount 9	2- URBAN			

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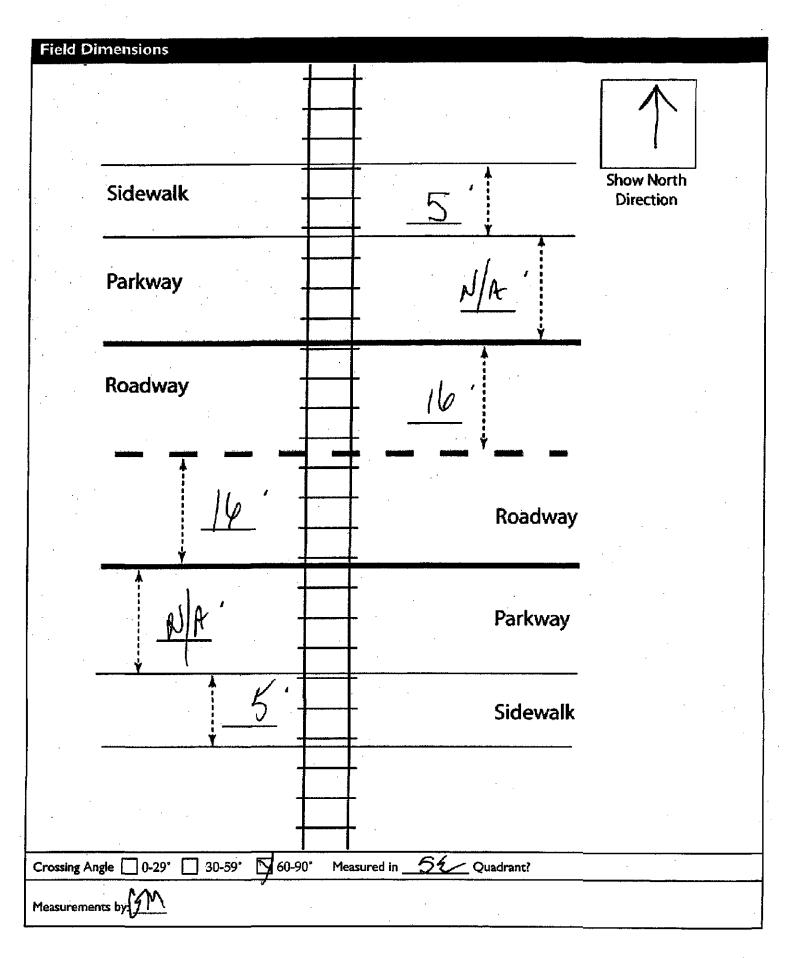
Quadrant	Quadrant 5 W
Curb and Gutter: 🔊 Functional (Curb height = 4" or more)	Curb and Gutter: X Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
None None	None None
Pedestrians: No SY Yes	
Is sidewalk present? No X Yes	
Is there a nearby intersection that could cause queuing over the o	rossing? 🔀 No 🔲 Yes
If yes, Distance	<u>у</u>
Is this intersection signalized? 🔲 No 🛛 📉 Yes	
Are the signals currently interconnected with the existing cross	ing warning devices? 🖾 No 🛛 📋 Yes
Is it the consensus of the Diagnostic Review Team that this is a pe Explain reasons:	otential closure project: 🔀 No 🛛 Yes
Type of Development	
Open Space Institutional Location of nearb	y schools:
Commercial	
F Residential	
Utility Information	
Is commercial power available?	
Utility Provider (Company Name) DPKL Nearest Available Power Source	5 (NEW ELECTRIC DROF)
What other utilities are present? UF CABLE	OH ELECTRIC
What other utilities are present?UGCABLE Is there potential utility conflict(s) Yes NoU	OH ELECTRIC DIED
What other utilities are present? UFCABLE	OH ELECTRIC
What other utilities are present?UGCABLE Is there potential utility conflict(s) Yes NoU	OH ELECTRIC
What other utilities are present? Uf CABLE Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS)	OH ELECTRIC
What other utilities are present? Ufe CABLE Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS /Cants	OH ELECTRIC
What other utilities are present? UG CABLE_ Is there potential utility conflict(s) Yes No/U Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Gates AFLS / Gates	OH ELECTRIC
What other utilities are present? UG CABLE_ Is there potential utility conflict(s) Yes No/U Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates AFLS / Gates / Cants Upgrade circultry	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates AFLS / Gates / Cants Upgrade circultry Sidelights Guardrail Needed Install/Replace curb	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb Other (define)	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants AFLS / Gates AFLS / Gates / Cants Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations 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)	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations 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:	OH ELECTRIC
What other utilities are present? Is there potential utility conflict(s) Yes No Diagnostic Team Recommendations Install/upgrade active devices Automatic Flashing Lights (AFLS) AFLS / Cants Y AFLS / Gates AFLS / Gates / Cants Upgrade circuitry Sidelights Guardrail Needed Install/Replace curb Other (define) Comments:	OH ELECTRIC

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Field Sketch	
HOUSES DOUBLE	NORTH OHI ELECTRIC OKO INDUSTRY
	KERCHER ST
HOUSES	HOUSES
H	INBUSTRY
Crossing Angle 0-29° 30-59° 60-90° Measured in Sketch by:	SW Quadrant?

TABLE I

Table 2

Clearing Sight Distances Maximum Authorized Train Distance (dT) Along Railroad from Crossing (ft) Speed 1 - 10 240 15 360 480 20 25 600 720 30 35 840 40 960 45 1080 50 1200 55 1320 60 1440 65 1560 70 1680 1800 75 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 5foot increment.

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

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

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	
······································		

Stopping Sight Distances

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.