

RECEIVED-DOCKETING MY

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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 the Wheeling & Lake Erie Railway and Norfolk Southern

Railway to construct active grade crossing warning devices in Crawford, Preble, and

Montgomery Counties

Date:

May 7, 2008

The Ohio Rail Development Commission (ORDC) has authorized funding for the Wheeling & Lake Erie Railway (WE) and Norfolk Southern Railway (NS) to construct active grade crossing warning devices at the following locations:

WE

Crawford County, Cranberry Township, Swabb Rd/TR 42, DOT# 001-940S

NS

Preble County, Somers Township, Swann Beatty Rd/TR 208, DOT# 525-174Y

Montgomery County, City of West Carrollton, Kimberly Rd, DOT# 524-642V

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

PUCO Case No. 08- 574 -RR-FED In the matter of the authorization of the Wheeling & Lake Erie Railway and Norfolk Southern Railway to construct active grade crossing warning devices in Crawford, Preble, and Montgomery Counties

C: Legal Department

Please serve the following parties of record

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 / Dete Processed 5/7/28

Page 1

Ms Susan Kirkland

Ohio Rail Development Commission

50 W Broad St, 15th Floor

Columbus, Oh 43215

Mr. Dan Reinsel

Wheeling & Lake Erie Railway

100 E. First St.

Brewster, Oh 44613

Mr. Rick Ray

Norfolk Southern Railway

1200 Peachtree St. NE, Box 123

Atlanta, Ga 30309

Cranberry Township Trustees

5930 SR 103

New Washington, Oh 44854

Somers Township Trustees

392 W Hendricks St

Camden, Oh 45311

City of West Carrollton

Office of The Mayor

300 E Central Ave

West Carrollton, Oh 45449

OHIO RAIL DEVELOPMENT COMMISSION INTEROFFICE COMMUNICATION

TO:

George Martin, Planner, Railroad Division, PUCO

FROM:

Joseph N. Reinhardt, Grade Crossing Specialist

SUBJECT:

Grade Crossing Warning Project

DATE:

April 17, 2008

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

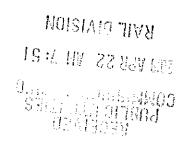
Wheeling and Lake Erie Railway:

Crawford County, Swabb Road, DOT 001940S CRABERTY TWP

Thank you for your assistance with these matters.

JR:jnr

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



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 Jum Herlenn

SUBJECT: Grade Crossing Warning Projects

DATE: April 30, 2008

You may authorize the Norfolk Southern (NS) 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.

PRE-T.R. 208, Swann Beatty Road - NS AAR No. 525 174 Y (Actual cost)

MOT-Kimberly Road - NS AAR No. 524 642 V (Actual cost) CITY of W. CARCETTON

Attached is a diagnostic form for each location, these crossings are being upgraded to lights and gates.

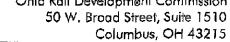
Thank you for your assistance with this matter.

TP:tp

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Ohio Kail Development Commission





Diagnostic Review Team Survey

Street or Road Name:			
Swabb	Road		LAND DOTAY
	M if State or US route)	42	AAR-DOT No.: 0019405
County: COA Township:	Clarberry	City: (In or Near)	New Washington, Chatfield
Komeda	Railroad		2
		1-55 - ACT	RR Milennet
Nearest RR Timetoble Station:	a seesimmined(mmonescuscesco))	เดินทยม ดีจังงระจะ (คราโกรต)ได้ได้กับเรากัด	81.55
(Include: Name Organization - Phone Number	r)		
1. Joe Kemlandt	OR AC.	614-644	
2 But Meison			419-492-2057
10 00	CRANSERRY	, ,	419-492-2892
3. Tour I haderones	_		·
1.5	DANDINGY TWO.	419-492-23	
5 GEORGE MARTIN	PUCO	1 19 13.	2-9107
6. <u>Cecil Newcome</u>	Lount	y Engr	
7. DAN Reinsel	WLE	1 1 3	30-767-7202
8.			
0			
		·	
	1		
Existing Traffic Control Devices			
Type of Warning Devices		lalled?	Quantity/Comments
Type of Warning Devices Advance Warning Signs	Yes	☐ No	Quantity/Comments ONG IN No MH Qued ONLY
Type of Warning Devices Advance Warning Signs 'Stop' Signs	Yes	□ No □ No	1 - 1 - 1
Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	Yes Yes	□ No □ No □ No	1 - 1 - 1
Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Yes Yes	□ No □ No □ No □ No	ONE IN NORTH Gued only
Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks	Yes Yes Yes Yes	□ No	1 - 1 - 1
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 Yes	□ ×0 □ ×0 □ ×0 □ ×0 □ ×0	Two Duckeye
Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs Inventory Tags	Yes Yes Yes Yes Yes Yes Yes Yes	□ No □ No □ No □ No □ No	ONE IN NORTH Gued only
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	Yes	Xo Xo Xo Xo Xo Xo	Two Duckeye
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	\frac{1}{2} \cdot \cdo	Two Duckeye
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	Yes		Two Duckeye
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	Yes		Two Buckeye Two Number: Length:
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	Yes		Two Duckeye
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	Yes Yes		Two Buckeye Two Number: Length:
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	Yes		Two Buckeye Two Number: Length:
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 'No Turn' Signs	Yes		Two Buckeye Two Number: Length:
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	Yes		Two Buckeye Two Number: Length:

STEEN DOOR TO TO THE STATE OF T		
	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	ONE - TWO INJURES 8/7/07	
Hazard Ronking	20 Date Run: 2 6 02	3
Railroad Data	11 200 11 201 12 20 13 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20 14 20	i de la companya de
Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day		
< 1 per day		
Day thru trains	4	
Night thru trains	4	
Daytime switching movements	0	
Nighttime switching movements	0	
Total number of tracks	ONE	
Number of main tracks	ONE	
Number of other tracks		
Maximum train speed	<u> </u>	
Typical train speed		
Amtrak	NONE	
If non-gated crossing, is clearing sigt	nt distance adequate in all quadrants? (See To	able 1) Yes MAN
If multiple tracks, can two trains occu	py crossing at the same time? 🔲 Yes	 1716
Can one train block the motorists' vis	ew of another train at crossing? 🔲 Yes (Expl	ain below) 🖃 🗸 🖂
	ame roadway within 100 ft of this crossing?	
If yes, Crossing DOT #(if differen	r)	
	measurement between track centerlines at cl	osest point along roadway)
Roadway Data		
Local Highway Authority:	Cray berry & Chatrida	(year)
Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	193	
Highway paved	☐Yes ☐ No	Yes No
	Pravel Concrete Other	
Roadway width: 18 ft.		
Number of highway lanes	TWO	
Urban or Rural	RURAL	
Vehicle Speed: 55 MPH	TO THE STATE OF TH	
School Bus Operation: No	Yes 3 Amount	
Hazardous Materials Trucks: No	Yes Amount	
Shoulders: No Yes	TesAttobis	
Is the shoulder surfaced? No	☐ Yes	
Is there existing guardrail along road	//	
Is stopping site distance adequate? (\$	ee Table 2) 🖳 Yes 🔲 No If no, defi	icient approach(es)

Quadrant NW Curb and Gutter:	C. L 1 C. 11
	Quadrant SE Curb and Gutter:
Functional (Curb height = 4" or more)	Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
None	☐ None
Pedestrians: Ho Yes	
Is sidewalk present? LINO Yes	
Is there a nearby intersection that could cause queuing over th	ne crossing? 🗔 Yo 🔲 Yes
If yes, Distance	
Is this intersection signalized? No Yes	
	- ' J' 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Are the signals currently interconnected with the existing crosts it the consensus of the Diagnostic Review Team that this is a	
Explain reasons:	botetutor crospie brolect. 🗀 140 💢 162
4	
Type of Development Doen Space Institutional Location of nearb	to 1.
	•
☐ Industrial ☐ Commercial New	Maskurgon
Residential	
Utility Information	
Is commercial power available? No Yes	
Utility Provider (Company Name) North Gendra Elect	ric Phone Number
Nearest Available Power Source 419-426-30	
What other utilities are present?	
Trici Citter Cititios d'ile présent?	Jnknown
Diagnostic Team Recommendations	
Install/upgrade active devices	Quadrants Needed
Automatic Flashing Lights (AFLS)	
AFLS /Cants	
G AFLS / Gates	
AFLS / Gates / Cants	
Upgrade circuitry	
Sidelights Guardrail Needed	
Install/Replace curb	
Other (define)	
	Common Direction of the
41" YIPE WILL BE USED TO E	
Quadrand WITH APPLOX. 71	FTEEN PEET IN LENGTH.
Install/upgrade traffic signal preemption	
□ No improvements needed	
Other (define)	



Diagnostic Review Team Survey

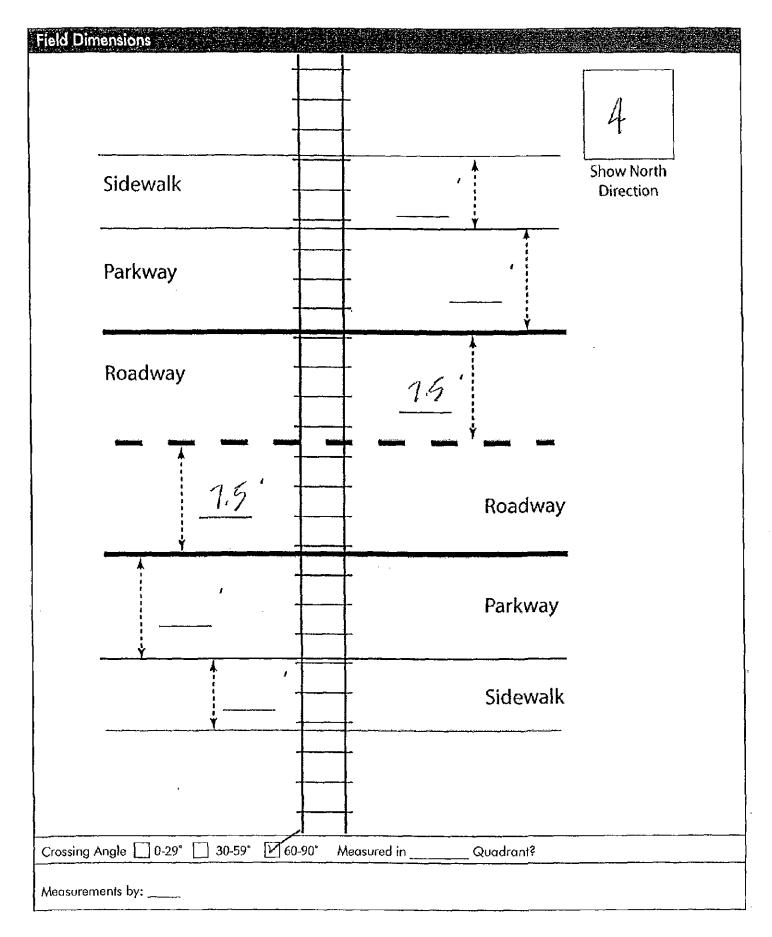
Date: 3.14.08

Location Data		
Street or Road Name: T.R. 208, 5W	ANN BEATTY	
Route/Road Number		AAR-DOT No.: 525 174 4
	SOMERS TWP (In or Near)	CAMBEN
Railroad Name: Nonfour Souther	N Railroad Division: LAKE	Branch/Line Name: NEW CASTLE
Nearest RR Timetable Station: CAMDEN		RR Milepost: 47.57
On-Site Review Team		
(Include: Name - Organization - Phone Number)	
1. TIM PERKINS	ORDC	614.644.0284
2. A Stephe Simmon	- Preble Co.	937-456-4608
3. How More and	11	11 -4600
4. Norry R Mintel	NSRR SUPERVISOR	765-730-1485
5. ANTHONY MAROUNDIC	NSRR	937. 564-1132
6. GEORGE MARIN	PUCO	614-752-9107
6. OCCAGE TOTAL	1 708)	011111111111111111111111111111111111111
7		
8		
0,		
9		
Existing Traffic Control Devices		Overetite/Comments
Existing Traffic Control Devices Type of Warning Devices	Installed?	Quantity/Comments
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs	Installed? PYes No	
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs	Installed? ☑ Yes □ No □ Yes ☑ No	Quantity/Comments 3701 FOR INTERSECTION
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	Installed? PYes No Yes Yo	
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Installed? PYes No Yes Yoo Yes Yoo Yes Yoo Yes Yoo	
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks	Installed? PYes No Yes No Yes PNo Yes PNo Yes No	
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks Number of Tracks Signs	Installed? PYes	
Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings Crossbucks	Installed? Yes	
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	Installed? PYes	
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?	STOP FOR INTERSECTION
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	Installed? PYes	
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?	STOP FOR INTERSECTION Number: Length:
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	STOP FOR INTERSECTION
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? PYes	Number: Notstain tength:
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? No	STOP FOR INTERSECTION Number: Length:
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 'No Turn' Signs	Installed? No Yes No Yes Yes No Yes Yes No Yes No Yes No Yes No Yes Yes	Number: Notstaid Length: 8048 W. State Control 8048 W. State Contr
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? No	Number: Notstand Length: 80 40 W/ S-1/1/800

Safety Data (Obtain cras	h reports	if possible: prior to review)		
		itial Information (from database)	Revised	
Number & dates of crashes				
in previous 5 years				
Hazard Ranking	i y se frankjalenski i	Date Run:		
Railroad Data				
Railroad Characteris	ics	Initial Information (from database)	Revised	
Total trains per day		28		
< 1 per day				
Day thru trains		12		
Night thru trains	· ··· · · · ·			
Daytime switching moven		7		
Nighttime switching move	ments			
Total number of tracks				
Number of main tracks		1		
Number of other tracks				
Maximum train speed		60		
Typical train speed				
Amtrak	······	No		
If non-gated crossing, is clea	ring sight di	stance adequate in all quadrants? (See To	•	
If multiple tracks, can two tra	ins occupy o	crossing at the same time? 🗌 Yes 📗	NO SINGLE TRACK	
Can one train block the mote	orists' view c	of another train at crossing? 🔲 Yes (Explo	ain below) 🔲 No	
		e roadway within 100 ft of this crossing?	the state of the s	
If yes, Crossing DOT #(if	different) _			
If yes, distance	(take me	asurement between track centerlines at cl	osest point along roadway)	
Roadway Data				
Local Highway Authority:	SON	iers tounship		
Roadway Characteris	tics	Initial Information (from database)	Revised	
Average daily traffic		158		
Highway paved		☑ Yes ☐ No	☐ Yes ☐ No	
Roadway Surface: Blacktop Gravel Concrete Other				
Roadway width: _15 ft.				
Number of highway lanes		2_		
Urban or Rural		RURAL		
Vehicle Speed: 95 MPH				
School Bus Operation:	lo [F	YesAmount	1	
Hazardous Materials Trucks:		Yes Amount UNKNO	WN	
	Yeş		<u> </u>	
Is the shoulder surfaced?	No [Yes		
Is there existing guardrail along roadway in crossing vicinity? [4] No [4] Yes				
ls stopping site distance adequate? (See Table 2) 🗹 Yes 🗌 No If no, deficient approach(es)				

Programme San September 1991

1	Quadrant Curb and Gutter:	Quadrant Curb and Gutter:
	Functional (Curb height = 4" or more)	
		Functional (Curb height = 4" or more)
	☐ Non-functional (Curb height = Less than 4") ☐ None	Non-functional (Curb height = Less than 4")
		None
	Pedestrians: No Yes	
	Is sidewalk present? No Yes	
į	Is there a nearby intersection that could cause queuing over the If yes,	ne crossing? ☑ No ☐ Yes
	Distance	
	, <u> </u>	ssing warning devices? TNo TYes
	Are the signals currently interconnected with the existing cro Is it the consensus of the Diagnostic Review Team that this is a	
	Explain reasons:	poletilidi dosule bioleci. [2] 140 [1163
	Type of Development	
	☐ Open Space ☐ Institutional Location of nearly	av schools:
	☐ Industrial ☐ Commercial	y actions.
	Residential	
	Utility Information	
	Is commercial power available? No Yes	re i de l'estre l'adionne le divide de l'archive de l'estre de la completation de la completation de la comple La completation de la completation
	Utility Provider (Company Name) DP=	Phone Number
•		
•	 	
	What other utilities are present?	Unknown
	en era skrittan at sprinter hanne in salvingar i Maraja eta Maraja i Salvingar izan ar Salving i Salvingar i Salvi	
	Diagnostic Team Recommendations	Quadrants Needed
	Install/upgrade active devices	Quadranis Needea
	Automatic Flashing Lights (AFLS)	
	AFLS /Cants	
	AFLS / Gates	·
	☐ AFLS / Gates / Cants ☐ Upgrade circuitry	
	Sidelights	
	Guardrail Needed	
	Install/Replace curb	
	Other (define)	
	Comments: advance Warning Signs	
0	Comments: advance Warring Signs MUTCH) Phio Manual W67-B, and Should be added on	: Federal Manual (Part 8) W10-3
	Install unovada traticional accordina	U.K. GGI.
	☐ Install/upgrade traffic signal preemption ☐ No improvements needed	
	Other (define)	
		<u> </u>



Field Sketch			
3.14.08	4		
Box Culvert		2-1'	
T.R. 200, Swam Beatty AAR No. 525 1744		1	
Buckeye Crossbrak	26'>	c.t.221	
advance Warning A W10-3 or W67 B			
north and South CR. 221.	B		
Crossing Angle 0-29° 30-59° 60-90° Meas	sured in Quadrant?		

TABLE 1

Clearing Sight Distances

organia digiti pisiantoo				
Maximum Authorized Train Speed	Distance (dT) Along Railroad from Crossing (ft)			
1 - 10	240			
15	360			
20	480			
25	600			
30	72 0			
35	840			
40	960			
45	1080			
50	1200			
55	1320			
60	1440			
65	1560			
70	1680			
75	1800			
80	1920 [.]			
85	2040			
90	2160			
i				

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 semitractor 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.

Table 2

Stopping Sight Distances

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

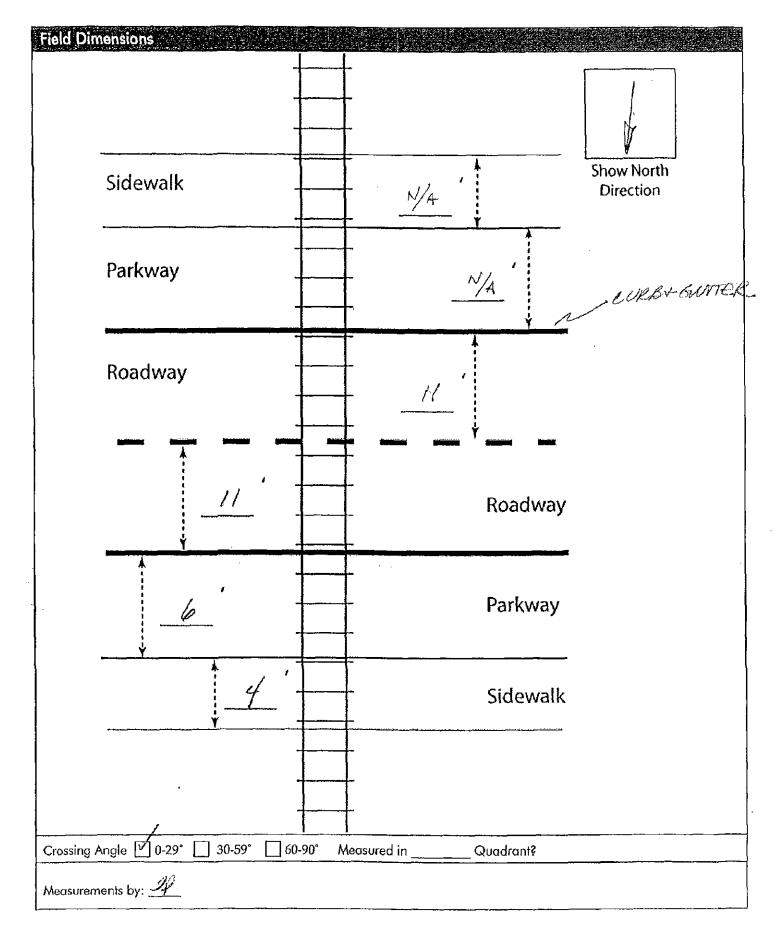


Diagnostic Review Team Survey

en variable de l'apparent la lateragle de l'apparent de la company de l'apparent de la company de l'apparent d	The special as the first section of the section of	Date: 272 0
Location Data		
Street or Road Name: KIMBERLY	ROAD	
Pouts/Road Number		AAR-DOT No:
(i.e. Twp., Co., SR or US) [Include SD	Wif State or US route)	AAR-DOT No.: 524 642 M
County: Township:	City:	Near) CITY OF W. CARROLTON
Railroad NORFOLK SOUTHERN	. 1 6 4 1	Branch/Line Name:
Nearest RR Timetable Station:		RR Milepost: 27 214, 45
On-Site Review Team		
	and the foreign considerable and the state of the state o	
(Include: Name - Organization - Phone Number	_	1 (11) - 551
1. TIM PERKINS	ORDC	614-644-0284
2. Rich Norton Ci	ty of West Camoliton	937-847-4661
3. Maureen Parsons	**	937- 847- 4662
4. Scott Wimmer	NSC	937.903-2286
5.		
6		
7		
8		
9		
Existing Traffic Control Devices		
Type of Warning Devices	Installed?	Quantity/Comments
Advance Warning Signs	Yes No	Quality/Continens
'Stop' Signs	Yes No	
'Stop Ahead' Signs	☐ Yes P\No	
Pavement Markings	☐Yes ☐ No	
Crossbucks	☐Yes ☐ No	
Number of Tracks Signs	Yes ANo	
Inventory Tags	Yes PNo	
Interconnected Highway Traffic Signal	Yes PNo	
Mast-Mounted Flashing Lights	Yes Yo	
Cantilever Flashing Lights	Yes Mo	Number: Length:
Side Lights	Yes Yo	
Automatic Gates	Yes Yo	Number: NOTOTATE Length:
Bells	Yes No	TRUDINING 1170
Sidewalk Gate Arms	Yes Who	en ic 121 C+ 1511 207
'No Turn' Signs	Ø Yes ☐ No	
Illumination	Yes No	VARIO DE COLUMNA PARA SER SER PERENCO DE LA COLUMNA DE LA
Is crossing flagged by train crew?	☐ Yes ☐ No	SEUTELO DE ROM
Other	Yes No	CEALSON .

	} In	nitial Information (from database)		Revised
Number & dates of crashes n previous 5 years		OT I FATAL		
Hazard Ranking	1-17	8-08 Date Run: 99		
Railroad Data				
Railroad Characteris	stics	Initial Information (from database)	Revised
Total trains per day		4		
< 1 per day		0		
Day thru trains		0		
Night thru trains	~	4		
Daytime switching move	ments	0		
Nighttime switching mov	rements	4		
Total number of tracks		1		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Number of main tracks				<u>.</u>
Number of other tracks				
Maximum train speed		10		
Typical train speed	~~~	- 40		
Amtrak		<u> </u>		
Can one train block the mo Are there other track(s) cros	torists' view sing this san	crossing at the same time? Yes of another train at crossing? Yes (but no roadway within 100 ft of this crossing)		□ No
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority:	torists' view sing this san if different) (take m	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of ROLTON	explain below) ag? Yes at closest point a	No long roadway)
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data	torists' view sing this san if different) (take m	of another train at crossing? Yes (I ne roadway within 100 ft of this crossing easurement between track centerlines of	explain below) ag? Yes at closest point a	I No
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Character	torists' view sing this san if different) (take m	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of ROLTON	explain below) ag? Yes at closest point a	No long roadway)
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Character Average daily traffic	torists' view sing this san if different) (take m	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of ROLTON	explain below) ag? Yes at closest point a	No long roadway)
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (I ne roadway within 100 ft of this crossing easurement between track centerlines of ROLTON Initial Information (from database	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Character Average daily traffic Highway paved Roadway Surface: Black	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of the contract of the co	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: Black Roadway width:ft.	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of the contract of the co	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: Black Roadway width:ft. Number of highway lanes	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing) easurement between track centerlines of the control of the	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: I Black Roadway width:ft. Number of highway lanes Urban or Rural	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of the contract track cen	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: Black Roadway width:ft. Number of highway lanes Urban or Rural Vehicle Speed: 25 MPH	torists' view sing this san If different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing) easurement between track centerlines of the control of the	explain below) ag? Yes at closest point a	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: Black Roadway width: ft. Number of highway lanes Urban or Rural Vehicle Speed: 25 MPH School Bus Operation:	torists' view sing this san if different) (take m W. CAR istics	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing easurement between track centerlines of the control of the co	explain below) g? Yes at closest point al Yes	No long roadway) Revised
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Character Average daily traffic Highway paved Roadway Surface: Black Roadway width: ft. Number of highway lanes Urban or Rural Vehicle Speed: 25 MPH School Bus Operation: Hazardous Materials Trucks	torists' view sing this san if different) (take m W. CAR istics Ctop Gra No	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing) easurement between track centerlines of the control of the	explain below) g? Yes at closest point al Yes	Revised No
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Characteri Average daily traffic Highway paved Roadway Surface: Black Roadway Surface: Black Roadway width: ft. Number of highway lanes Urban or Rural Vehicle Speed: 25 MPH School Bus Operation: Hazardous Materials Trucks Shoulders: No	torists' view sing this san if different) (take m W. CAR istics And Gran No Yes	of another train at crossing? Yes (Bone roadway within 100 ft of this crossing) easurement between track centerlines of the control of the	explain below) ag? Yes at closest point al Yes NOIS	Revised No No No
Can one train block the mo Are there other track(s) cros If yes, Crossing DOT #(i If yes, distance Roadway Data Local Highway Authority: Roadway Character Average daily traffic Highway paved Roadway Surface: Black Roadway width:ft. Number of highway lanes Urban or Rural Vehicle Speed: 25 MPH School Bus Operation:	torists' view sing this san if different) (take m W. CAR istics ctop Gra No F No F No	of another train at crossing? Yes (Bine roadway within 100 ft of this crossing) easurement between track centerlines of the control of the c	Explain below) g? Yes at closest point a Yes NOTE	Revised No No No

Quadrant Curb and Gutter:	Quadrant Curb and Gutter:
Functional (Curb height = 4" or more)	Functional (Curb height = 4" or more)
Non-functional (Curb height = Less than 4")	Non-functional (Curb height = Less than 4")
None	None
	L) Note
Is there a nearby intersection that could cause queuing over the lifyes,	ne crossing? No Yes
Distance	
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 Explain reasons:	potential clasure project: 🗹 No 🔲 Yes
Type of Development	
Open Space Institutional Location of nearly	by schools:
☐ Industrial ☐ Commercial	•
4 Residential	
Utility Information	
Is commercial power available? No Yes	
Utility Provider (Company Name) DP&L	Phone Number
Nearest Available Power Source	
What other utilities are present?	
	Unknown
Diagnostic Team Recommendations	
Diagnosiic Teatri Kecommendanons	Quadrants Needed
Install/upgrade active devices	Qualitatis resease
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	
LL L ()thor (doting)	1



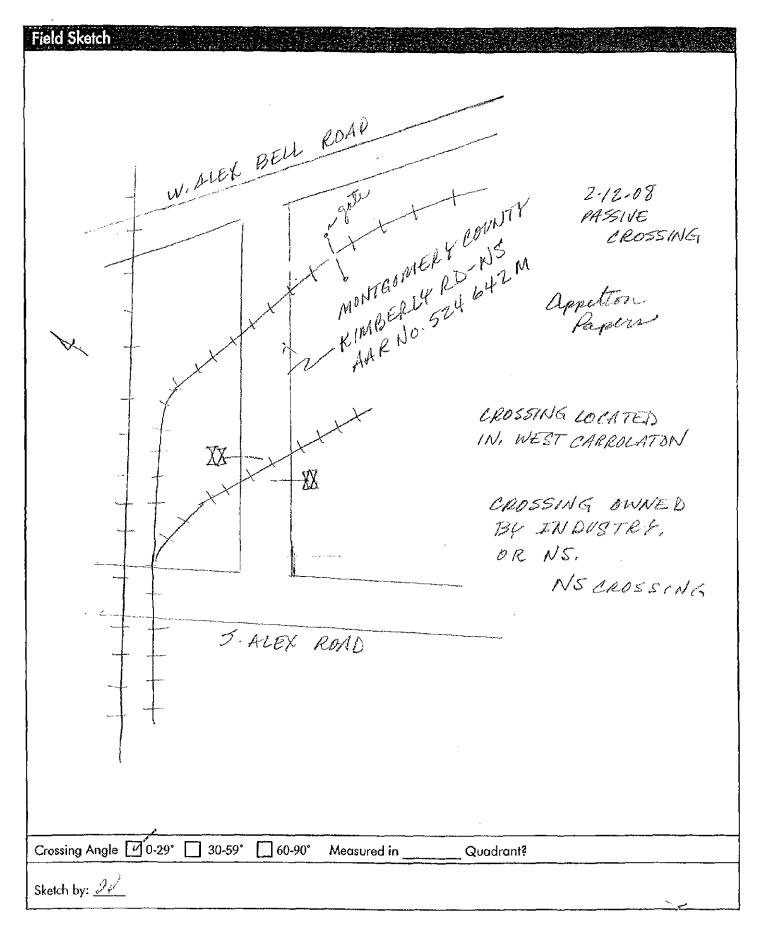


TABLE 1

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 semitractor 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.

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.