

RECEIVED-DOCKETING DIV

**Public Utilities Commission of Ohio** 

2010 NOY -2 PM 1: 17

PUCO

# Memo

To:

**Docketing Division** 

From

George Martin, Grade Crossing Planner, Rail Division

Rec

In the matter of the authorization of the Ann Arbor Railroad to install an active grade crossing

warning device in Lucas County

Date:

November 2, 2010

The Ohio Rail Development Commission (ORDC) has authorized funding for the Ann Arbor Railroad (AA) to install **mast-mounted flashing lights and roadway gates** at Lucas County, City of Toledo, Laskey Road, DOT# 258243T. The crossing was the site of fatal car/train collision on March 13, 2010. A diagnostic survey on April 22, 2010 determined that the upgrade was warranted.

This project will be 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. 10- 2473 -RR-FED In the matter of the authorization of the Ann Arbor Railroad to install an active grade crossing warning device in Lucas County

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 Date Processed // 1-20/0

Ms Susan Kirkland
Ohio Rail Development Commission
1980 W Broad St, 2<sup>nd</sup> Floor
Columbus, Oh 43223

Mr John Chlipala

Ann Arbor Railroad

120 S Walnut St

PO Box 390

Howell, Mi 48844

Mr Gary Stookey, PE

110 N Westwood Ave

Toledo, Oh 43607

# OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION

TO: George Martin, Planner, Railroad Division, PUCO

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

BY: Tod Darfus, Project Manager

SUBJECT: Grade Crossing Warning Projects

DATE: July 2, 2010

You may authorize the Ann Arbor Railroad to proceed with the non-field work for the project listed below. 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.

Lucas-Laskey Road, (Toledo) AAR # 258 243 T

Thank you for your assistance with this matter.

TD:td

c: File

### Martin, George

From:

Stookey, Gary [Gary.stookey@toledo.oh.gov]

Sent:

Tuesday, November 02, 2010 7:16 AM

To:

Tod.Darfus@dot.state.oh.us; Martin, George; Jones, Barbara

Cc:

Dalton, Leah; Susan.Kirkland@dot.state.oh.us

Subject:

RE: Ann Arbor Railroad, Laskey Road, DOT# 258243T

#### Tod:

I have discussed this with Barb Jones. There are pros and cons with and without the gates. The gates add to the overall safety of the crossing by creating a physical barrier to deter vehicular traffic from crossing. The gates also add to safety because they have reflective markings and lights attached which allow for better visibility especially during night time operation. One of the problems with gates is when trains do not clear the detection devices on the tracks and stop over the detection the gates will remain down and blocking traffic even though there is no train actually blocking the roadway. We also understand that this crossing does not see a large number of train crossings.

We understand these issues and will support either direction the Ohio Rail Development Commission recommends.

Gary A. Stookey P.E. 110 N. Westwood Avenue Toledo Ohio 43607 419-245-1306 419-245-1310 Fax

From: Tod.Darfus@dot.state.oh.us [mailto:Tod.Darfus@dot.state.oh.us]

Sent: Monday, November 01, 2010 8:57 AM

To: Martin, George; Jones, Barbara

Cc: Stookey, Gary; Dalton, Leah; <u>Susan.Kirkland@dot.state.oh.us</u> Subject: Re: Ann Arbor Railroad, Laskey Road, DOT# 258243T

Barb and George: I talked to Barb this morning about this project, she is going to get with Gary since he was part of the diagnostic team and render an official decision as to be gated or not from the City's point of view.

Tod James Darfus
Project Manager
Ohio Rail Development Commission
Cell Phone 614-374-9298
Office Phone 614-728-5426

"Martin, George" <<u>George.Martin@puc.state.oh.us</u>>

To "Stookey, Gary" < Gary.stookey@toledo.oh.gov>

cc "Dalton, Leah" <<u>Leah.Dalton@puc.state.oh.us</u>>, <<u>Susan.Kirkland@dot.state.oh.us</u>>, <<u>Tod.Darfus@dot.state.oh.us</u>>

Subject Ann Arbor Railroad, Laskey Road, DOT# 258243T

Gary,

10/14/2010 08:13 AM

As you recall, on April 22, 2010, the Ohio Rail Development Commission convened a diagnostic team survey at the Laskey Road grade crossing to determine what, if anything, the crossing warranted in terms of upgrade. This was driven in part by the fatal accident that occurred there on March 13, 2010. All parties agreed that upgrade was warranted, but diverged on whether the

crossing needed roadway gates. Could you please provide input as to what the City of Toledo would want to see happen with this crossing in terms of warning devices? Thank you,

George Martin Grade Crossing Planner PUCO Rail Division 614-752-9107

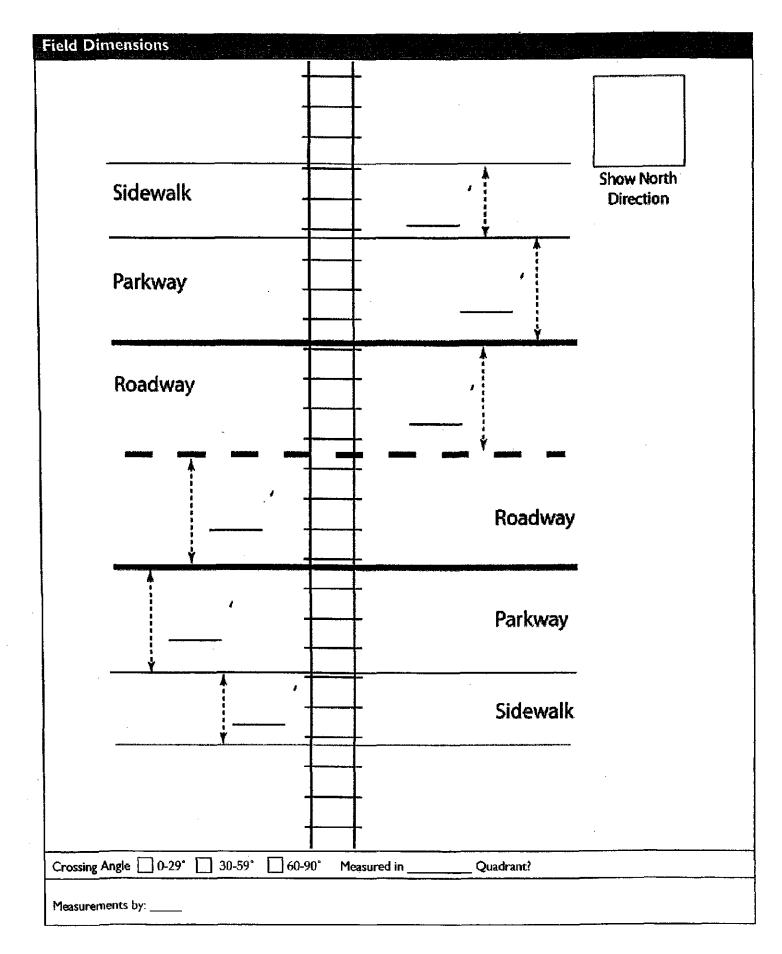


Diagnostic Review Team Survey

	•	Date : 4-22-10
Location Data		
Street or Road Name: Road	Mary 1000 1 Thropson to the exercise of a mention of a figure 1000 fine for the first of the fir	e de la composition
Route/Road Number (i.e. Twp., Co., SR or US) (include SLM	if State or US route)	AAR-DOT No.: 258 243 T
County: Lucas Township:	City: (In or Near)	Toledo
Railroad Name: Ann Arbor	Railroad Temperance Ve	Branct/Line Name:
Nearest RR Timetable Station: To Lado		RR Milepost:
On-Site Review Team		
(Include: Name - Organization - Phone Number)	,	Dan Stoker &
1. GARY STOOKEY	119-245-1306 Cor	or Touse gary. Stokex & totedo. sh. gor
	PUCO 614-752-9	<i>#</i> 1
3. MARRY Cymbola &		CYMB. 62 @ AOL, COM
4. DRIAN BEZEAU A		BRIANSHORSED HOTMAIL COM
5. JOHN CHLIPALA	n 419-350-6523	MAHLIPALA QANNARBON
6. Bob Billings A	AA 313-590-3276	rabillings @
7. Tool Parties 0	RDC - 614-374-97	
7. Tack Jorfis 0		
	PDC - 614-374-5	298
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8 9	700. Dar	Quantity/Comments
8 9 Existing Traffic Control Devices Type of Warning Devices	100 - 614-374-57 Tod. Darw Installed?	298 Seat-State.oh.us
8 9 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs	Installed?	Quantity/Comments
8 9 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs	Installed?    Yes   No	Quantity/Comments
8 9 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs	Installed?   No   Yes   No   Yes   No	Quantity/Comments
8 9 Existing Traffic Control Devices Type of Warning Devices Advance Warning Signs 'Stop' Signs 'Stop Ahead' Signs Pavement Markings	Installed?   No   Yes   No   Yes   No   Yes   Yes   No   Yes   Y	Quantity/Comments
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Safety Data (Obtain cr	ash repor	ts, if poss	sible.	orior to review)						
Initial Information (from database)						Revised				
Number & dates of crashes										
in previous 5 years		ONE	_3_	-13-10						
Hazard Ranking	0.035	561		-/3-/0 Date Run: 3-25/0	, ]					
Railroad Data										
Railroad Characteris	tics	Initial Information (from database)				Revised				
Total trains per day						2				
< 1 per day						· · · · · · · · · · · · · · · · · · ·				
Day thru trains				·		Prenice				
Night thru trains										
Daytime switching moveme	ents									
Nighttime switching moven	nents					2				
Total number of tracks										
Number of main tracks										
Number of other tracks						NOW				
Maximum train speed						10				
Typical train speed						10				
Amtrak	······································				<u> </u>	NO				
If non-gated crossing, is clearing	g sight distan	ce adequate	If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1)							
If multiple tracks, can two train	ns occupy cro	ssing at the s	same tin	ne? TYes TANO	)					
If multiple tracks, can two train		-				<b>→</b> No				
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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			
Pedestrians: No Yes	MiN			
Is sidewalk present? No Yes				
Is there a nearby intersection that could cause queuing over the c	rossing? No Yes			
If yes, Distance				
Is this intersection signalized? No Tes				
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 dosure project. No Yes			
Explain reasons:				
Type of Development				
Open Space Institutional Location of nearby	y schools:			
Industrial Commercial				
Residential				
Utility Information				
Is commercial power available? No				
Utility Provider (Company Name) 10 Fd	Phone Number			
Nearest Available Power Source Orossin	<b>4</b>			
What other utilities are present?	ptics upden			
	nknown			
Diagnostic Team Recommendations				
	Quadrants Needed			
Install/upgrade active devices				
Automatic Flashing Lights (AFLS)				
AFLS / Cants  AFLS / Gates				
AFLS / Gates / Cants	-			
Upgrade circuitry				
Sidelights				
Guardrail Needed				
☐ Install/Replace curb				
Other (define)				
Comments:				
Team recomends upgrade. (RR	and Geors ? gates			
Install/upgrade traffic signal preemption	1			
☐ No improvements needed				
Other (define)				



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TABLE I

### **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 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.

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

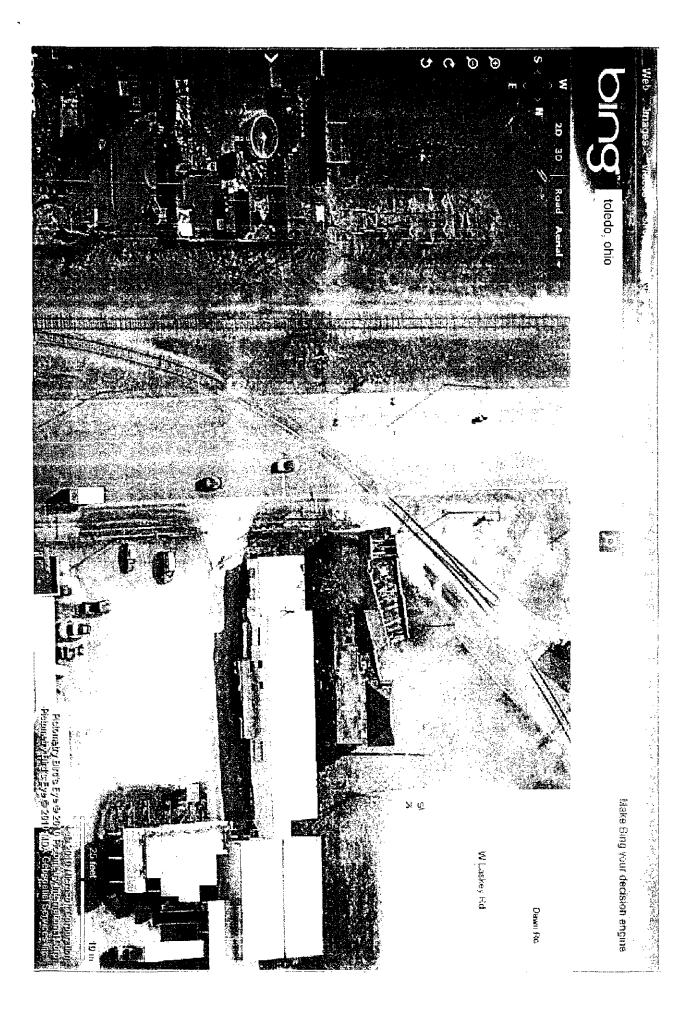
Source: R-H Grade Crossing Handbook Table 36 (pp. 132-133)

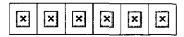
#### Notes:

All calculated distances are rounded up to the next higher 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.



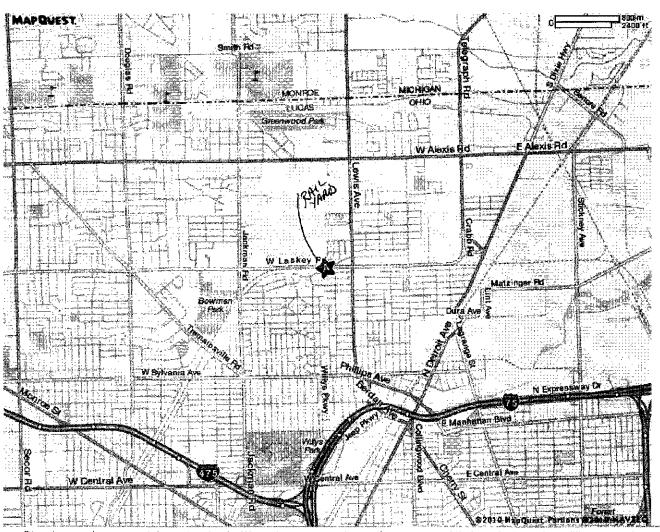


# MAPQUEST.

Sorry! When printing directly from the browser your directions or map may not print correctly. For best results, try clicking the Printer-Friendly button.

# |

Latitude: 41.7071194 Longitude: -83.5709624 Toledo, OH 43612



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23-15-75 TO EXIT 205.
FOR BERDAN AVE
BERDAN TO HAVERHILL TO LEWIS
TO LASKEY

Tor Cory DOPS BOTTOM COPY-AL

Carry of the Edition

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