## Public Utilities

Commission of Ohio

To: Docketing Division
Froms George Martin, Grade Crossing Planner, Rail Division 4
Res In the matter of the authorization of the Ann Arbor Rairbad to install an active grade crossing waming device in Lucas County
Dater 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 carfrain collision on March 13, 2010. A diagnostic survey on April 22, 2010 deternined 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 imaces appearing are an accurate and complete reproduction of a case file document delivered in the regular course of businate. 1 , Technician_ $R<$ Date Processed $/ 1-2-20 / 0$

# Ms Susan Kirkland <br> Ohio Rail Development Commission <br> 1980 W Broad St, $2^{\text {nd }}$ Floor 

Columbus, Oh 43223

## Mr John Chlipala <br> 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 Warming Projects |
| DATE: | July 2, 2010 |

You may authorize the Ann Arbor Railroad to proceed with the nonfield 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 authorizationis 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 \# 258243 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
Tod.Darfus © dot.state.oh.us; Martin, George; Jones, Barbara
Dalton, Leah; Susan.Kirkland@ dot.state.oh.us
Cc:
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; Susan.Kirkland@dot.state.oh.us
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" < Gearge.Martin@puc.state.oh.us>

10/14/2010 08:13 AM

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    To "Stookey,Gary" <Gary.stookevotoledo.oh.gov>
    cc "Dalton, Leah" <Leah.DaHon@puc.state.oh.us>, <Susan.KirklandQ dat.state.oh.us>,
    <Tod.Darfus@dot.state.oh.us>
```

                                    Subject Ann Arbor Railroad, Laskey Road, DOT\# 258243 T
    Gary,
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 $4-2 z-10$

(Include: Name -Organization - Phone Number)

2. G8806E MARTIN PVCO 614-752-9107
3. Larry Cymbola AARR 419-704-029 Cymboh 1 C AOL, com


6. Bub Billings AA 313-590-3276 railings
7. To a Darts ORDC - $614.374-5298$
8. $\qquad$
9. $\qquad$
Existing Traffic Control Devices


UPDATED (12/2006)


| Quadrant $\qquad$ Curb and Gutter: Functional (Curb height $=4$ " or more) Non-functional (Curb height $=$ Less than $4^{\prime \prime}$ ) None | Quadrant $\qquad$ Curb and Gutter: Functional (Curb height $=4$ " or more) Non-functional (Curb height = Less than 4") None |
| :---: | :---: |
| Pedestrians: $\square$ No $\square$ Yes | Min |
| Is sidewalk present? $\square$ J No $\square$ Yes |  |
| Is there a nearby intersection that could cause queuing over the crossing? $\square$ No $\square$ If yes, <br> Distance $\qquad$ <br> Is this intersection signalized? $\square$ No Yes <br> Are the signals currently interconnected with the existing crossing warning devices? |  |
| Is it the consensus of the Diagnostic Review Team that this is a $P$ Explain reasons: | $\text { itential dosure project } \square \mathrm{N}_{0} \quad \square \text { Yes }$ |
| Type of Development |  |
| $\square$ Open Space $\square$ Institutional Location of nearb <br> $\square$ Industrial $\square$ Commercial  <br> $\square$ Residential   | schools: |
| Utility Information |  |
|  |  |
| Diagnostic Team Recommendations |  |
|  | Quadrants Needed |
| $\square$ Installupgrade active devices |  |
| $\square$ Automatic Flashing Lights (AFLS) |  |
| $\square$ AFLS /Cants |  |
| $\square$ AFLS / Gates |  |
| $\square$ AFLS / Gates / Cants |  |
| $\square$ Upgrade circuitry |  |
| $\square$ Sidelights |  |
| $\square$ Guardrail Needed |  |
| $\square$ Inscal/Replace curb |  |
| $\square$ Other (define) |  |
| Comments: <br> Team recomends upgrade.' <br> 22 | and Geors 3 gates |
| $\square$ Install/upgrade traffic signal preemption | $\bigcirc$ |
| ■] No improvements needed |  |
| $\square$ Other (define) |  |

Field Dimensions


Measurements by: $\qquad$

Field Sketch

Soe attached Aerial View
Crossing Angle $\square 0-29^{\circ} \square 30-59^{\circ} \square 60-90^{\circ}$ Measured in $\qquad$ Quadrant?

Sketch by: 700

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 Han <br> Notes: <br> All calculared distances are rou foot increment. <br> Distances indicated are for 65 trailers and level single track 90 need to be adjusted for multip approaches on grades. <br> Clearing Sight Distance is to b travel direction at non-gated c 25 feet from centerline of nea whichever travel lane is neares being measured. | ook Table 36 (pp. 132-133) <br> ded up to the next higher 5- <br> dauble bottom semi-cractor degree crossings; and may tracks, skewed crossings or <br> measured in each vehicle ssings as viewed from a point track in the center of the direction along track |

Table 2
Stopping Sight Distances

| Highway Vehide Speed | Distance (dH) Along Roadway <br> 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.


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

## Latitude: 41.7071194 <br> Longitude: -83.5709624 <br> Toledo, OH 43612



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$$
\begin{aligned}
& 23-15-75 \text { TO EXIT } 205 \\
& \text { FOR BERDAN AVE } \\
& \text { BERAR TO HAVERHILL TO LEWIS } \\
& \text { TO LASKEY }
\end{aligned}
$$




## Narrative

Init 01 was traviel ing West on W Taskey approaching a rajlroad crossing "in the 1200 blk "of" W. Jaskey Unitt 02 iéa train and was parked crossing W. Laskey waiting to reverse and connect to more rajlraad cars: Unit 01 failed to stop before he colinded with unit 02 The driver of unit 01 was pronounced deceased at the scene by the Toledo Fire Department.



