To: Docketing Division
From: George Martin, Grade Crossing Planner, Rail Division
Re: In the matter of the authorization of Norfolk Southern Railway to install an active grade crossing warning device in Ashtabula County

Date: June 2, 2009
The Ohio Rail Development Commission (ORDC) has authorized funding for Norfolk Southern Railway (NS) to install flashing lights and roadway gates in Ashtabula County, near Andover, US RT 6, DOT\# $503-124 \mathrm{~J}$. This was crossing was surveyed (attached) on April 3, 2009 and found to warrant the upgrade.

This project will be actual cost and will be paid for with federal funds. Staff requests an Entry with plans and estimates to be submitted to the Commission and ORDC within 90 days and completion of the project 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. 09- 467 -RR-FED In the matter of the authorization of Norfolk Southern Railway to install an active grade crossing warning device in Ashtabula County

This is to certify that the images appoaring are an tocurate and complato reptoduction of a cane file an

Please serve the following parties of record.

Ms Susan Kirkland
Ohio Rail Development Commission
50 W Broad St, $15^{\text {th }}$ Floor
Columbus, Oh 43215

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

Mr Mark Thomas
ODOT District 4
705 Oakwood St
Ravenna, Oh 44266

# OHIO RAIL DEVELOPMENT COMMISSION INTER-OFFICE COMMUNICATION 

| TO: | George Martin, Planner, Railroad Dívision, PUCO |
| :--- | :--- |
| FROM: | Susan Kirkland, Manager, Safety Section, ORDC, |
| BY: | Mike Forte', Project Manager, Safety Section, ORDC |
| SUBJECT: | Grade Crossing Warning Device Project <br>  <br>  <br>  <br>  <br>  <br>  <br>  <br> Ashtabula County, US 6-18.97 <br> AAR \# 503 124J |
| DATE: | June 2, 2009 |

The Public Utilities Commission of Ohio (PUCO) selected the subject crossing as a priority selection for warning device improvement in March, 2009. PUCO conducted a diagnostic review on April 3, 2009. The ORDC attended the review.

The ORDC will fund the project at a $100 \%$ reimbursement to NS.
Please issue an Order for the upgrade of the crossing with improvements made as directed on the diagnostic form. Please have a copy of the review form added to the PUCO formal docket and distribute copies of the form to both railroads with the PUCO Order.

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 activitics that may be cited and found to be ineligible for federal participation during the project audit.

Thank you for your assistance with these matters.

Attachment (Diagnostic Review)
c: Mike Forte' (file)

The Public Utilities Commission of Ohio

Rail Division
180 East Broad Street
Columbus, OH 43215

Diagnostic Review Team Survey


4. $\qquad$
5. $\qquad$
6. $\qquad$
7. $\qquad$
8. $\qquad$
9. $\qquad$
10. $\qquad$



| Quadrant $\qquad$ <br> Curb and Gutter: $\square$ Functional (Curb height $=4^{\prime \prime}$ or more) Non-functional (Curb height $=$ Less than 4") None | Quadrant $\qquad$ <br> Curb and Gutter: $\square$ Functional (Curb height $=4$ " or more) Non-functional $($ Curb height $=$ Less than 4") None |
| :---: | :---: |
| Pedestrians: $\square \square$ No Yes |  |
| Is sidewalk present? $\square$ 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 $\square$ Yes <br> Are the signals currently interconnected with the existing crossing warning devices? $\square$ No $\square$ Yes |  |
| Is it the consensus of the Diagnostic Review Team that this is a potential closure project: No $\square$ Explain reasons: <br> STATE RONTE |  |
| Whe 3144 |  |
| $\square$ Open Space $\square$ Institutional Location of near <br> $\square$ Industrial $\square$ Commercial  <br> $\square$ Residential FARMS  | schools: |
|  |  |
| Is commercial power available? $\square$ No $\square$ Yes Utility Provider (Company Name) Otho Enlson | Phone Number |
| Nearest Available Power Source _lin xinco |  |
| Is there potential utility confict(s) $\square$ Yes $\square$ No Q Unknown |  |
|  |  |
|  | Quadrants Needed |
| 1 Install/upgrade active devices |  |
| $\square$ Automatic Flashing Lights (AFLS) |  |
| $\square$ AFLS/Cants |  |
| X AFLS / Gates |  |
| [] AFLS / Gates / Cants |  |
| [] Upgrade circuitry |  |
| $\square$ Sidelights |  |
| - Guardrail Needed |  |
| $\square$ Install/Replace curb |  |
| $\square$ Other (define) |  |
| Comments: |  |
|  |  |
|  |  |
| $\square$ Install/upgrade traffic signal preemption |  |
| $\square$ No improvements needed |  |
| $\square$ Other (define) |  |
|  |  |




TABLE I
Clearing Sight Distances

| Maximum Authorized Train <br> Speed | Distance (dT) Along <br> 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. I32-I33)
Notes:
All calculated distances are rounded up to the next higher 5foot increment.

Distances indicated are for $65-\mathrm{ft}$ double bottom semi-tractor trailers and level single track 90 degree crossings; and may need to be adjusted for multiple tracks, skewed crossings or approaches on grades.
Clearing Sight Distance is to be measured in each vehicle travel direction at non-gated crossings as viewed from a point 25 feet from centerline of nearest track in the center of whichever travel lane is nearest the direction along track being measured.

Table 2
Stopping Sight Distances

| Highway Vehicle Speed | Distance (dH) Along Roadway <br> from Crossing (ft) |
| :---: | :---: |
| 0 | $n / \mathrm{a}$ |
| 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.



## Narrative

UNIT \#i. A TRAIN, WAS NORTHBOUND ON THE RAILROAD TRACKS. UNIT \#2 WAS EASTBOUND ON US 6 . UNIT \# 2 FAILED TO STOP AND STRUCK THE SIDE OF THE TRAIN. UNIT \#2 THEN SPUN OFF THE LEFT SIDE OF THE ROAD AND INTO A DITCH.

## Traffic Crash Report



| Unit \# | First | Middle | Last | Type |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | Violet | M | Evans | Driver |  |
|  | Address | City | State | Zip |  |
|  | 6758 PYMATTUNING LAKE | ANDOVER | OH | 44003 |  |
|  | Date of Birth | Age | Sex | Home Phone \# | Work Phone \# |
|  | 02/17/1972 | 36 | F | 4402934866 |  |
|  | DL State | DL. \# | Offense Charged | Injured Taken By | Transported By |
|  | OH | TL274510 | 4511.62 | EMS | PYMATUNING AMBUL |
|  | Seating Position | Ejection | Offense Description | Air Bag | Citation \# |
|  | Front Left (MC Driver) | Not Ejected | DRIVER'S DUTIES RELA | Deployed Front | Y195487 |
|  | Condition | Trapped | Safety Equipment | Injuries | Alr Bag Switch |
|  | Apparently Normal | Not Trapped | Shoulder Lap/Belt | Non-Incapacitating | Not Present |
|  | Alcohol Test Status | Alcoholidrug | Alcohol Test Type | Alcohol Test Result |  |
|  | None | None | None |  |  |
|  | Drug Test Status | Drug Test Typ | Drug Test Result 1 | Drug Test Result 2 |  |
|  | None | None | None | None |  |



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* Latitude: 41.6069228

Longitude: -80.6375229
(3) Sorry! When printing directly from the browser your map may be incorrectly cropped. To print the entire map, try clicking the "Printer-Friendly" link at the top of your results page.



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\begin{aligned}
& 71-271-\text { US } 322-S R 193 N- \\
& \text { TURN RIGHT ON US } 6 \\
& \text { MARK THOMAS-ODOT } \\
& 330-472-7968 \\
& \text { CENTRAL } 330-786-4840 \\
& \text { iI AM }
\end{aligned}
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