NC FILE

19

RECEIVED-DOCKETING DIV

2010 DEC 13 AM 10:40

PUCO

Public Utilities Commission of Ohio

Memo

To: Docketing Division

From: George Martin, Grade Crossing Planner, Rail Division

Re: In the matter of the authorization of the Norfolk Southern Railway to install active grade crossing warning devices in Franklin and Madison Counties

Date: December 13, 2010

The Ohio Rail Development Commission (ORDC) has authorized funding for the Norfolk Southern Railway (NS) to install new mast-mounted flashing lights and roadway gates and upgrade the circuitry at the following locations:

Franklin County

Amity Road/CR 12, near Alton, DOT# 525118S

Madison County

Plain City-Georgesville Rd/SR 142,near West Jefferson, DOT# 525120T

Gregg Rd/CR 43,near West Jefferson, DOT# 525133U

Spring Valley Rd/CR 71,near London, DOT# 525139K

Davis Rd/TR 95, Union Township, DOT# 527992P

These crossings were surveyed June 7, 2010, and were found to warrant the upgrades.

These projects 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. 10- 3002 -RR-FED In the matter of the authorization of the Norfolk Southern Railway to install active grade crossing warning devices in Franklin and Madison Counties

C: Legal Department

Please serve the following parties of record.

Ms Susan Kirkland

Ohio Rail Development Commission

1980 W Broad St, 2nd Floor

Columbus, Oh 43223

Mr Rick Ray

Norfolk Southern Railway

1200 Peachtree St NE, Box 123

Atlanta, Ga 30309

Mr Dean Ringle

Franklin County Engineer

970 Dublin Rd

Columbus, Oh 43215-1169

Mr David Brand

Madison County Engineer

825 US RT 42 NE

London, Oh 43140-8512

Mr Gary Bogenrife

Union Township Trustees

4090 Glade Run Rd

London, Oh 43140

American Electric Power

1 Riverside Plaza

Columbus, Oh 43215

Ohio Edison

1910 W Market St

Akron, Oh 44313

OHIO RAIL DEVELOPMENT COMMISSION
INTEROFFICE COMMUNICATION

TO: George Martin, Railroad Division, PUCO

FROM: Joseph N. Reinhardt, Grade Crossing Specialist

SUBJECT: Grade Crossing Warning Project

DATE: December 10, 2010

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

Norfolk Southern:

Franklin County, Amity Road, DOT 525118S CR 12
Madison County, State Route 142-11.83, DOT 525120T PLAIN CITY - GEORGESVILLE RD
Madison County, Gregg Road, DOT 525133U CR 43
Madison County, Spring Valley Road, DOT 525139K CR 71
Madison County, ~~David~~ DAVIS Road, DOT 527992P TR 95

Thank you for your assistance with these matters.

JR:jnr

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

Ohio Rail Development Commission
1980 W. Broad Street, 2nd Floor
Columbus, OH 43223

Diagnostic Review Team Survey

Date: 10/7/2010

Location Data

Street or Road Name: Amity Road, CR12			
Route/Road Number (i.e. Twp., Co., SR or US): Co. (Include SLM if State or US route): 12		AAR-DOT No.: 525118S	
County: FRA	Township:	City: (In or Near): Alten	
Railroad Name: NS	Railroad Division: Dearborn	Branch/Line Name: Cincy	
Nearest RR Timetable Station: Springfield		RR Milepost: 148.99	

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. Joe Rudolf ORDC 614-644-0291
2. [illegible] NSC 404-529-1234
3. GEORGE [illegible] PUCO 614-752-9107
4. Mike Meeks FCEO 614 462 6158
5.
6.
7.
8.
9.

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 ☑ No	
Pavement Markings	☑ Yes ☐ No	2
Crossbucks	☑ Yes ☐ No	2
Number of Tracks Signs	☑ Yes ☐ No	2
Inventory Tags	☑ Yes ☐ No	1
Interconnected Highway Traffic Signal	☐ Yes ☑ No	
Mast-Mounted Flashing Lights	☑ Yes ☐ No	2
Cantilever Flashing Lights	☐ Yes ☑ No	Number: Length:
Side Lights	☐ Yes ☑ No	
Automatic Gates	☑ Yes ☐ No	Number: 2 Length:
Bells	☑ Yes ☐ No	1
Sidewalk Gate Arms	☐ Yes ☑ No	
'No Turn' Signs	☐ Yes ☑ No	
Illumination	☐ Yes ☑ No	
Is crossing flagged by train crew?	☐ Yes ☑ No	
Other	☑ Yes ☐ No	2 - Blackview Signs

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	2704 Date Run: 6/7/10	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	16	
< 1 per day		
Day thru trains	6	
Night thru trains	10	
Daytime switching movements	2	
Nighttime switching movements	0	
Total number of tracks	2	
Number of main tracks	2	
Number of other tracks		
Maximum train speed	50	
Typical train speed	50	
Amtrak	NONE	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☑ Yes ☐ No

If multiple tracks, can two trains occupy crossing at the same time? ☑ Yes ☐ No

Can one train block the motorists' view of another train at crossing? ☑ Yes (Explain below) ☐ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☑ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: FRANKLIN COUNTY

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	926	693 + 727 = 1420 (08)
Highway paved	☑ Yes ☐ No	☐ Yes ☐ No

Roadway Surface: ☑ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____

Roadway width: 20 ft. 20

Number of highway lanes 2

Urban or Rural RURAL

Vehicle Speed: 55 MPH

School Bus Operation: ☐ No ☑ Yes 5 Amount

Hazardous Materials Trucks: ☐ No ☑ Yes ____ Amount

Shoulders: ☐ No ☑ Yes

Is the shoulder surfaced? ☑ No ☐ Yes

Is there existing guardrail along roadway in crossing vicinity? ☑ No ☐ Yes

Is stopping site distance adequate? (See Table 2) ☑ Yes ☐ No If no, deficient approach(es) _____

Quadrant NW Curb and Gutter:

☐ Functional (Curb height = 4" or more)

☐ Non-functional (Curb height = Less than 4")

☑ None

Quadrant SE Curb and Gutter:

☐ Functional (Curb height = 4" or more)

☐ Non-functional (Curb height = Less than 4")

☑ None

Pedestrians: ☒ No ☐ Yes

Is sidewalk present? ☒ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☒ No ☐ Yes

If yes,

Distance _____

Is this intersection signalized? ☒ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☐ No ☐ Yes

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☒ No ☐ Yes

Explain reasons:

Type of Development

☒ Open Space ☐ Institutional

☐ Industrial ☐ Commercial

☒ Residential

Location of nearby schools: Athen Schools / Hilliard

Utility Information

Is commercial power available? ☐ No ☒ Yes

Utility Provider (Company Name) AEP Phone Number _____

Nearest Available Power Source Already Active with electric.

What other utilities are present? Wtd & Cox - Quest - GAS

Is there potential utility conflict(s) ☒ Yes ☐ No ☐ Unknown

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: New Lens & Gates are needed with the circuitry upgrade.

☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

Field Dimensions

Ohio Rail Development Commission
1980 W. Broad Street, 2nd Floor
Columbus, OH 43223

Diagnostic Review Team Survey

Date: 6-7-2010

Location Data

Street or Road Name: SR142-11.83 PLAIN CITY-GEORGESVILLE RD			
Route/Road Number (i.e. Twp., Co., SR or US): SR (Include SLM if State or US route) 142		AAR-DOT No.: 525120T	
County: MAD	Township:	City (In or Near): West Jefferson	
Railroad Name: NS	Railroad Division: Dearborn	Branch/Line Name: Cincy	
Nearest RR Timetable Station: West Jefferson		RR Milepost: 151.75	

On-Site Review Team

(Include: Name – Organization – Phone Number)

1. Joe Bernadi ORDC 614-644-0291
2. Kurt Rem NSC 404-529-1234
3. George Mahon PUCO 614-752-9107
4.
5.
6.
7.
8.
9.

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 ☑ No	
Pavement Markings	☑ Yes ☐ No	2
Crossbucks	☑ Yes ☐ No	2
Number of Tracks Signs	☐ Yes ☑ No	
Inventory Tags	☑ Yes ☐ No	1
Interconnected Highway Traffic Signal	☐ Yes ☑ No	
Mast-Mounted Flashing Lights	☑ Yes ☐ No	2
Cantilever Flashing Lights	☐ Yes ☑ No	Number: Length:
Side Lights	☐ Yes ☑ No	
Automatic Gates	☑ Yes ☐ No	Number: 2 Length:
Bells	☑ Yes ☐ No	1
Sidewalk Gate Arms	☐ Yes ☑ No	
'No Turn' Signs	☐ Yes ☑ No	
Illumination	☐ Yes ☑ No	
Is crossing flagged by train crew?	☐ Yes ☑ No	
Other	☐ Yes ☑ No	

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	1635 Date Run: 6/7/10	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	16	
< 1 per day		
Day thru trains	6	
Night thru trains	10	
Daytime switching movements	2	
Nighttime switching movements	0	
Total number of tracks	ONE	
Number of main tracks	ONE	
Number of other tracks		
Maximum train speed	50	
Typical train speed	50	
Amtrak	NONE	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☑ Yes ☐ No

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☑ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☑ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☑ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: State of Ohio

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	7470	
Highway paved	☑ Yes ☐ No	☐ Yes ☐ No
Roadway Surface: ☑ Blacktop ☐ Gravel ☑ Concrete ☐ Other _____		
Roadway width: 17 ft.		
Number of highway lanes	TWO	
Urban or Rural	RURAL	
Vehicle Speed: 50 MPH		

School Bus Operation: ☐ No ☑ Yes ____ Amount

Hazardous Materials Trucks: ☐ No ☑ Yes ____ Amount

Shoulders: ☐ No ☑ Yes

Is the shoulder surfaced? ☑ No ☐ Yes

Is there existing guardrail along roadway in crossing vicinity? ☑ No ☐ Yes

Is stopping site distance adequate? (See Table 2) ☑ Yes ☐ No If no, deficient approach(es) _____

Quadrant NW — Curb and Gutter:	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: ☑ No ☐ Yes

Is sidewalk present? ☑ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☑ No ☐ Yes

If yes,

Distance _____

Is this intersection signalized? ☑ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☑ No ☐ Yes

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☑ No ☐ Yes

Explain reasons:

Type of Development

☑ Open Space ☐ Institutional

☐ Industrial ☐ Commercial

☐ Residential

Location of nearby schools: West Jefferson

Utility Information

Is commercial power available? ☐ No ☑ Yes

Utility Provider (Company Name) CNO Edison Phone Number _____

Nearest Available Power Source Already Connected

What other utilities are present? Telephone ATT, GAS

Is there potential utility conflict(s) ☑ Yes ☐ No ☐ Unknown

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:

Upgrade Signal Lens to 12" & new gates.

☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

Field Dimensions

Ohio Rail Development Commission
1980 W. Broad Street, 2nd Floor
Columbus, OH 43223

Diagnostic Review Team Survey

Date: 6-7-2010

Location Data

Street or Road Name: Gregg Road, CR43

Route/Road Number (i.e. Twp., Co., SR or US): Co (include SLM if State or US route): 43

AAR-DOT No.: 525133U

County: MAD | Township: | City (In or Near): West Jefferson

Railroad Name: NS | Railroad Division: Dearborn | Branch/Line Name: Cincy

Nearest RR Timetable Station: West Jefferson | RR Milepost: 157.08

On-Site Review Team

(Include: Name - Organization - Phone Number)

1. Joe Reinhardt ORDC 614-644-0291
2. Rob Ro NSC 404-529-1234
3. GEORGE MARTIN PUCO 614-752-9107
4. Jeremy Straley MAD Co 614 989 0086
5. CHAD PETERS MAD CO 614 204 6242
6.
7.
8.
9.

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	☑ No	
Pavement Markings	☑ Yes	☐ No	2
Crossbucks	☑ Yes	☐ No	
Number of Tracks Signs	☐ Yes	☑ No	
Inventory Tags	☑ Yes	☐ No	
Interconnected Highway Traffic Signal	☐ Yes	☑ No	
Mast-Mounted Flashing Lights	☑ Yes	☐ No	2
Cantilever Flashing Lights	☐ Yes	☑ No	Number: Length:
Side Lights	☐ Yes	☑ No	
Automatic Gates	☑ Yes	☐ No	Number: 2 Length:
Bells	☑ Yes	☐ No	1
Sidewalk Gate Arms	☐ Yes	☑ No	
'No Turn' Signs	☐ Yes	☑ No	
Illumination	☐ Yes	☑ No	
Is crossing flagged by train crew?	☐ Yes	☑ No	
Other	☐ Yes	☑ No	

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	4056 Date Run: 6/7/10	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	16	
< 1 per day		
Day thru trains	6	
Night thru trains	10	
Daytime switching movements	2	
Nighttime switching movements		
Total number of tracks	ONE	
Number of main tracks	ONE	
Number of other tracks		
Maximum train speed	50	
Typical train speed	50	
Amtrak	NONE	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☑ Yes ☐ No

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☑ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☑ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☑ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: MADISON COUNTY

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	228	320
Highway paved	☑ Yes ☐ No	☐ Yes ☐ No

Roadway Surface: ☑ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____

Roadway width: 15 ft.

Number of highway lanes	TWO	
Urban or Rural	RURAL	
Vehicle Speed: 55 MPH		

School Bus Operation: ☐ No ☑ Yes 2 Amount

Hazardous Materials Trucks: ☐ No ☑ Yes ____ Amount

Shoulders: ☐ No ☑ Yes

Is the shoulder surfaced? ☑ No ☐ Yes

Is there existing guardrail along roadway in crossing vicinity? ☑ No ☐ Yes

Is stopping site distance adequate? (See Table 2) ☑ Yes ☐ No If no, deficient approach(es) _____

Quadrant NW — Curb and Gutter:

- ☐ Functional (Curb height = 4" or more)
- ☐ Non-functional (Curb height = Less than 4")
- ☑ None

Quadrant SE — Curb and Gutter:

- ☐ Functional (Curb height = 4" or more)
- ☐ Non-functional (Curb height = Less than 4")
- ☑ None

Pedestrians: ☑ No ☐ Yes

Is sidewalk present? ☑ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☑ No ☐ Yes

If yes,

Distance _____

Is this intersection signalized? ☑ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☑ No ☐ Yes

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☑ No ☐ Yes

Explain reasons:

Type of Development

☑ Open Space ☐ Institutional

☐ Industrial ☐ Commercial

☑ Residential

Location of nearby schools: Kent Fuller
West Jefferson U.S.
Grade Schools

Utility Information

Is commercial power available? ☐ No ☑ Yes

Utility Provider (Company Name) Ohio Edison Phone Number _____

Nearest Available Power Source Already Installed

What other utilities are present? Fiber Cable

Is there potential utility conflict(s) ☐ Yes ☐ No ☑ Unknown

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:
NS will check to see if circuitry is constant warning prior to approved P.E.

☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

Field Dimensions

Ohio Rail Development Commission
1980 W. Broad Street, 2nd Floor
Columbus, OH 43223

Diagnostic Review Team Survey

Date: 6-7-2010

Location Data

Street or Road Name: Spring Valley Road, CR71

Route/Road Number (i.e. Twp., Co., SR or US): Co. (include SLM if State or US route): 71 — AAR-DOT No.: 525139K

County: MAD — Township: — City (In or Near): London

Railroad Name: NS — Railroad Division: Dearborn — Branch/Line Name: Cincy

Nearest RR Timetable Station: London — RR Milepost: 160.19

On-Site Review Team

(Include: Name – Organization – Phone Number)

1. Joe Reinhardt ODOT 614-644-0291
2. George Mazzeo PUCO 614-752-9107
3. Chad Tibbs Mad Co 614-204-4242
4. Jeremy Straley Mad Co 614 969 0086
5. [illegible] NSC 404-529-1234
6.
7.
8.
9.

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 ☑ No	
Pavement Markings	☑ Yes ☐ No	2
Crossbucks	☑ Yes ☐ No	2
Number of Tracks Signs	☐ Yes ☑ No	
Inventory Tags	☑ Yes ☐ No	
Interconnected Highway Traffic Signal	☐ Yes ☑ No	
Mast-Mounted Flashing Lights	☑ Yes ☐ No	2
Cantilever Flashing Lights	☐ Yes ☑ No	Number: Length:
Side Lights	☐ Yes ☑ No	
Automatic Gates	☑ Yes ☐ No	Number: 2 Length:
Bells	☑ Yes ☐ No	
Sidewalk Gate Arms	☐ Yes ☑ No	
'No Turn' Signs	☐ Yes ☑ No	
Illumination	☐ Yes ☑ No	
Is crossing flagged by train crew?	☐ Yes ☑ No	
Other	☑ Yes ☐ No	Dragon Track Signs

Safety Data (Obtain crash reports if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	2882 Date Run: 6/17/10	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	16	
< 1 per day		
Day thru trains	6	
Night thru trains	10	
Daytime switching movements	2	
Nighttime switching movements		
Total number of tracks	ONE	
Number of main tracks	ONE	
Number of other tracks		
Maximum train speed	60	
Typical train speed	50	
Amtrak	NONE	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☑ Yes ☐ No

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☑ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☑ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☑ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: Madison County

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	1369	2100
Highway paved	☑ Yes ☐ No	☐ Yes ☐ No

Roadway Surface: ☑ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____

Roadway width: 18 ft.

Number of highway lanes	TWO	
Urban or Rural	RURAL	
Vehicle Speed: 55 MPH		

School Bus Operation: ☐ No ☐ Yes 0 Amount

Hazardous Materials Trucks: ☐ No ☑ Yes ____ Amount

Shoulders: ☐ No ☑ Yes

Is the shoulder surfaced? ☑ No ☐ Yes

Is there existing guardrail along roadway in crossing vicinity? ☑ No ☐ Yes

Is stopping site distance adequate? (See Table 2) ☑ Yes ☐ No If no, deficient approach(es) _____

Quadrant NW Curb and Gutter:

- ☐ Functional (Curb height = 4" or more)
- ☐ Non-functional (Curb height = Less than 4")
- ☑ None

Quadrant SE Curb and Gutter:

- ☐ Functional (Curb height = 4" or more)
- ☐ Non-functional (Curb height = Less than 4")
- ☑ None

Pedestrians: ☑ No ☐ Yes

Is sidewalk present? ☑ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☑ No ☐ Yes

If yes,

Distance _____

Is this intersection signalized? ☑ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☑ No ☐ Yes

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☑ No ☐ Yes

Explain reasons:

Type of Development

☑ Open Space ☐ Institutional

☐ Industrial ☐ Commercial

☑ Residential

Location of nearby schools: London

Utility Information

Is commercial power available? ☐ No ☑ Yes

Utility Provider (Company Name) Ohio Edison Phone Number _____

Nearest Available Power Source Already Installed

What other utilities are present? Fiber Cable, Gas

Is there potential utility conflict(s) ☐ Yes ☐ No ☑ Unknown

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:

☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

Field Dimensions

Ohio Rail Development Commission
1980 W. Broad Street, 2nd Floor
Columbus, OH 43223

Diagnostic Review Team Survey

Date: 6-7-2010

Location Data

Street or Road Name: Davis Road, TR95

Route/Road Number (i.e. Twp., Co., SR or US): TR (include SLM if State or US route): 95 | AAR-DOT No.: 527992P

County: MAD | Township: Union | City (In or Near): London

Railroad Name: NS | Railroad Division: London | Branch/Line Name: Cincy

Nearest RR Timetable Station: London | RR Milepost: 169.31

On-Site Review Team

(Include: Name – Organization – Phone Number)

1. Joe Burkhardt ORDC 614-644-0291
2. Valorie Martin PUCO 614-752-9107
3. Matt [illegible] [illegible] 740 504 3725
4. Jeremy Straley MAD CO 614 989 0086
5. Larry Bucquerie Union 740 852 2180
6. Chad Peters MAD CO 614-284-6242
7. Derrick Baker NS 304-712-0220
8. [illegible] NSC 614-529-1234
9.

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 ☑ No	
Pavement Markings	☑ Yes ☐ No	2
Crossbucks	☑ Yes ☐ No	2 Red/White
Number of Tracks Signs	☐ Yes ☑ No	
Inventory Tags	☑ Yes ☐ No	
Interconnected Highway Traffic Signal	☐ Yes ☑ No	
Mast-Mounted Flashing Lights	☐ Yes ☑ No	
Cantilever Flashing Lights	☐ Yes ☑ No	Number: Length:
Side Lights	☐ Yes ☑ No	
Automatic Gates	☐ Yes ☑ No	Number: Length:
Bells	☐ Yes ☑ No	
Sidewalk Gate Arms	☐ Yes ☑ No	
'No Turn' Signs	☐ Yes ☑ No	
Illumination	☐ Yes ☑ No	
Is crossing flagged by train crew?	☐ Yes ☑ No	
Other	☐ Yes ☑ No	

Safety Data (Obtain crash reports, if possible, prior to review)

	Initial Information (from database)	Revised
Number & dates of crashes in previous 5 years	0	
Hazard Ranking	1420 Date Run: 6/7/10	

Railroad Data

Railroad Characteristics	Initial Information (from database)	Revised
Total trains per day	16	
< 1 per day		
Day thru trains	6	
Night thru trains	10	
Daytime switching movements	2	
Nighttime switching movements	0	
Total number of tracks	ONE	
Number of main tracks	ONE	
Number of other tracks		
Maximum train speed	50	
Typical train speed	50	
Amtrak	NONE	

If non-gated crossing, is clearing sight distance adequate in all quadrants? (See Table 1) ☑ Yes ☐ No

If multiple tracks, can two trains occupy crossing at the same time? ☐ Yes ☑ No

Can one train block the motorists' view of another train at crossing? ☐ Yes (Explain below) ☑ No

Are there other track(s) crossing this same roadway within 100 ft of this crossing? ☐ Yes ☑ No

If yes, Crossing DOT #(if different) _____

If yes, distance _____ (take measurement between track centerlines at closest point along roadway)

Roadway Data

Local Highway Authority: Union Township

Roadway Characteristics	Initial Information (from database)	Revised
Average daily traffic	79	120
Highway paved	☑ Yes ☐ No	☐ Yes ☐ No

Roadway Surface: ☑ Blacktop ☐ Gravel ☐ Concrete ☐ Other _____

Roadway width: 18 ft.

Number of highway lanes	TWO	
Urban or Rural	RURAL	
Vehicle Speed: 55 MPH		

School Bus Operation: ☐ No ☑ Yes 60 Amount

Hazardous Materials Trucks: ☐ No ☑ Yes ____ Amount

Shoulders: ☐ No ☑ Yes

Is the shoulder surfaced? ☑ No ☐ Yes

Is there existing guardrail along roadway in crossing vicinity? ☑ No ☐ Yes

Is stopping site distance adequate? (See Table 2) ☑ Yes ☐ No If no, deficient approach(es) _____

Quadrant NW Curb and Gutter:	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: ☑ No ☐ Yes

Is sidewalk present? ☑ No ☐ Yes

Is there a nearby intersection that could cause queuing over the crossing? ☑ No ☐ Yes

If yes,

Distance _____

Is this intersection signalized? ☑ No ☐ Yes

Are the signals currently interconnected with the existing crossing warning devices? ☑ No ☐ Yes

Is it the consensus of the Diagnostic Review Team that this is a potential closure project: ☑ No ☐ Yes

Explain reasons:

Type of Development

☑ Open Space ☐ Institutional

☐ Industrial ☐ Commercial

☑ Residential

Location of nearby schools: Madison Main

Utility Information

Is commercial power available? ☐ No ☑ Yes

Utility Provider (Company Name) ONG Edison Phone Number _____

Nearest Available Power Source _____

What other utilities are present? Fiber Cable

Is there potential utility conflict(s) ☐ Yes ☐ No ☑ Unknown

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:

☐ Install/upgrade traffic signal preemption	
☐ No improvements needed	
☐ Other (define)	

Field Dimensions