

**Public Utilities Commission of Ohio**

Railroad Information System Project:  
Resources and Requirements Document

February 25, 2016

Introduction:

*The Railroad Information System Project: Resources and Requirements Document* has been compiled to guide the reader to a solid understanding of what information systems functionality the PUCO Railroad Division already possess and what augments and additions to that functionality are required.

The information contained within includes screen captures of the current railroad database, the Railroad Inventory System (RRIS), which is preceded by a simple diagram of how the RRIS functions. Also included are screen captures of the Track and Structure Inspection Report program (TASIR) which is the method by which field inspectors input and upload rail crossing and bridge inspection data to the main in-house database. It is also preceded by a simple diagram that shows TASIR program functions. These pieces will show how the two programs relate to one another and to Rail Division operations. Many of the buttons and tabs within the RRIS and TASIR programs are self explanatory. The third component that illustrates the current state is the PUCO public website (linked to in the document.) It is the method by which the public can access grade crossing information via a "pull" of data from the current RRIS.

These three systems will illustrate to the reader the base level of functionality that is required for the new system. The Requirements and Resources section of this document will overview the additional functionality that will be required for the new RRIS program (integration of a GIS mapping service, integration of the TASIR program into a GIS based field collector version, revamping of the public access to include GIS searchable crossing information etc.)

The last heading of the Requirements and Resources section is titled "Resources." This section will provide links to programs already developed by the Texas Department of Transportation (TX DOT) and the Federal Railroad Administration (FRA) which have some aspects of the functionality that will be required in the new system. Also included are links to an overview of the FRA's National Grade Crossing Inventory Program, of which this program is responsive to. The technical document which will guide in the programming of the API needed for the direct communication of the new database with the FRA's database is linked to as well. There is also a link to the PUCO's current content manager, Docketing Information System (DIS) which will be used for referencing "docketed" information from the new database.

All of this information taken together will present an accurate picture of the current state of operations and the desired end state of this project.

*Note: It is recommended that this document be viewed in adobe acrobat as opening "bookmarks" will allow for quick navigation. If printed, pages 1-9 & 57-99 will print on 8.5 x 11 paper. Printing pages 10-56 on 8.5 x 14 (legal size) or larger will help to avoid distortion of the image. As this document is a compilation of original and existing materials, the document pages, as a whole, are numbered with large font at the bottom center of each page. The user's manuals provided have their own page numbers in addition to the overall document page numbers. These were left in to keep the native tables of contents functional or for reference purposes.*

## Requirements & Resources:

### **1. GIS Interface**

1. Contractor must integrate a GIS mapping interface for all user roles.
2. The mapping interface must be able to be used as an input method (initiate work processes through icon interaction...etc.) as well as a means to view selected data tables.
3. Contractor must integrate mapping service feeds from DAS/OIT or provide ability to import mapping service data. L.B.R.S. (Location Based Response Service)
4. The contractor must provide the ability to allow DAS/OIT access to certain data.
5. Contractor must build in an auto-pan feature option that corresponds with the table searches and GPS radio location.
6. Contractor must integrate various selection and manipulation tools of the map interface. (Ex: group structure selection, distance measuring tool etc.)

### **2. Field Collector (ArcGIS Collector Software)**

1. Contractor must customize ARC-GIS field collector software for field usage or provide an option with the same functionality.
2. Field Collector software must be able to function on a "tablet-like" device and utilize the device's touchscreen as an input method/navigate the program.
3. Field Collector software must be able to download counties of main database information to allow area inspectors to work with no connectivity in their individual assigned territory.
4. Field Collector Device must utilize a non-cellular, GPS radio as an input device that tracks and displays user location (auto-pans) on the GIS interface that can function absent a cellular (3g/4g) connection. (note: the updates will utilize the collector device's Wi-Fi connection to upload changes/information to the main database)
5. Field Collector software must utilize the device's on-board camera as an input device into data fields as crossing photos are collected.
6. Field Collector software must be able to capture and input into data fields the longitude and latitude of device location by utilizing the non cellular reliant GPS radio. The format of which should be able to be adjusted. (Longitude and latitude of a crossing is a field that will be filled out, so push button population of that field based on the device's location is a must.)
7. Field Collector software must have a dashboard which will indicate various tasks assigned to that individual user by in-house users with admin permissions. In addition the dashboard should be able to provide administrator roles to monitor group progress (ex: annual grade crossing inspection process, bridge inspections, complaints, project YTD...etc.)
8. Field Collector user interface must be customizable. Size, shape and location of the various windows should be movable to accommodate various tasks or user preference.
9. Field User's must be able to view crossing inventory data and provide suggested changes to the device to be submitted for review by in-house admin users before integrating the proposed changes into the main database.
10. Field Collector software must be able to utilize the GIS map layers to initiate various workflows. (I.e., press a map icon to select a crossing of which to conduct an inspection.)

11. Field collector software must allow field users to view all data components (spatial data attributes) in table and map layer format and provide input based on permissions and user.
12. Field Collector software must allow users to view tables of various attribute data as an option to aid in searches. This option must be linked to auto-pan/auto-select on the map service window.
13. Field Collector software must be able to interface and utilize DAS/OIT's mapping service.
14. Field Collector software must allow for the input of changes to the crossing attributes.
15. Field Collector software must allow for the input of grade crossing inspection data & bridge Inspection audit data through the implementation of a work process that is also uploaded to the main database via the device's Wi-Fi connection. Current process is contained in the TASIR program.

### **3. Main Database (Core, in-house)**

1. All changes to the database must be logged by user and the user who proposed the changes (field user submission) and offer the option of a narrative to accompany the change. The change must be connected to the individual entry's they are associated with and allow other users to view the provided narrative. This may be an entry change history tab or something similar.
2. All main components or attributes of the RRIS must be linked to allow for easy viewing. (Ex: When a user is searching the tables/map based on a rail line, clicking on a rail crossing that populates visually on the rail line should allow the user to bring up that crossing's information page...etc.)
3. A dynamic and robust ad hoc query and report generating feature must be included in the in-house core program. All information/fields must be able to be queried and reports must be able to be formatted to some extent. As information the Rail Division handles an extremely varied field of data requests. It is of utmost importance that all data fields be able to be queried and compared easily. The importance of the query function can not be over-stated.
4. Both ad hoc and standard query results (both those displayed as tables and on maps) must be able to be exported to .xls, pdf, .csv and text format for easy use in a report formatter for tables and easy integration into a map layer for manipulation in a GIS program
5. The contractor must provide a quick search function that utilizes the field view as well as the GIS map view.
6. The database must have the ability to easily run the FRA provided risk ranking formula which ranks crossings based on various criteria. (Description of formula is include in the resources and examples section of this document)
7. The database must also be able to run an "experimental" FRA formula calculation which would allow forecasting of affected crossing rankings by various changes to crossing attribute data. This must be done in a way that would have no effect on the real data that accurately reflects conditions and characteristics of the crossing.
8. The database must be able to export a "screen shot" of the mapped query results.
9. The database must have a dashboard application that allows for the easy observance of rail inspector assignment/annual goal criteria (i.e., bridge inspections numbers, grade crossing inspection numbers compared to total in state, assigned tasks outstanding, completed tasks etc.)

10. The database must have push button ability to produce forms (structured reports) regularly used by In-House staff (example: FRA Crossing Inventory Form )
11. The contractor must provide the ability to upload pdf's of various documents into individual database entries. These pdfs must be able to be accessed by users of the field application as well as uploaded from the field application for review and approval of admin users. Examples of these include complaint reports written by field inspectors, project diagnostic paperwork packets, plans and estimates drawings from railroads on grade crossing projects etc. The most pages in each individual attachment would be in the region of 40 pages, the average would be 4 to 5.
12. The pdf documents in the database must be timestamped as they are uploaded and this timestamp must be readily viewable. Also the option to enter a manual date of reception on these attachments must be provided. The date of upload must be included in the naming convention of the document.
13. The contractor must utilize the timestamp or manual reception date to integrate an automatic enforcement of the PUCO's document retention rules. As information most documents are destroyed after three years while some are kept for 7 years. The retention rules do not apply to historical numbers. As an example, this would not apply to recording that an accident happened at a certain crossing in a simple message for historical purposes. The retention rules would apply to the pdf documents generated as a circumstance of the accident like the inspector's report or the incident report provided to the PUCO by the Railroad.

## **4. Web Portal/Public Version**

1. Contractor must provide a web portal to be hosted on the PUCO website that will allow the public to browse the GIS map with various data layers (i.e., rail lines, crossings...etc.) as well as specific crossing data in a "pull" from the main database.
2. Web portal must allow for viewing of abridged crossing and rail line data through the use of a GIS window with simple map layers.
3. The web portal must have a search feature based on certain criteria much similar to that present at the current website that offers the public the ability to see rail crossing data at <http://gradecrossings.puco.ohio.gov/>

## **5. Federal Sync API**

1. Contractor must provide push button functionality or in some cases automatic functionality to submit grade crossing inventory changes electronically to the FRA GCIS.
2. Federal GCIS "sync" must be the final step of administrative approval of submitted changes from the field.
3. Contractor must use the publication FRA Instructions for Electronic Submission of U.S. DOT Crossing Inventory Data Grade Crossing Inventory System (GCIS) v2.0. A link is provided in the Resources/Examples Tab of this document as a guide for this functionality.

## 6. PUCO IT/SQL Needs

1. "Backend" database must be constructed in Microsoft SQL.
2. Contractor must commit to working with PUCO IT in the integration of PUCO systems. These include: the application logging service, PUCO single sign-on application, the reporting service (SSRS), the mailer service, and "AppConfig" service

## 7. Admin

1. In-House (Core) system must utilize the PUCO log-in system.
2. All functionality access must be able to be set by permissions by user's designated as administrators.
3. Must have an integrated administrative menu that allows for the designation of roles as based on detailed permissions.
4. All rail data must be kept on site at PUCO for security. PUCO will provide work space for personnel during data migration phase.
5. PUCO will own all software or products produced as a result of this project.

## 8. Database Data Components (main categories)

**This section attempts to capture an overview of the major data categories needed:**

1. Crossing information (Defined by FRA form as well as further state information to include photos and some additional state information requirements)
2. Complaints: complainant information, complaint characteristics, assignment data, pdf's of various documents, map coordinates (lat/longs) for mapping purposes of complaint location if not linked to a crossing which would provide such data already)
3. Project data: integration of current project information, links to project information on Docketing Information System (DIS) which is PUCO's system of online filing for case information, also the ability to upload pdfs to be linked to entry's and crossings
4. Bridge data: integration of current characteristic fields with addition of photos, in-house assignments to field staff of inspections, reception and upload inspection pdf's from railroad
5. Close clearance information: PDF's of various correspondence forms, plans and field reports, simple sets of fields based off of information collected in the application form, links to the PUCO online system of filing DIS.
6. Accident/Incident data: attachment of PDF's of FRA forms, fatality reports, derailment reports.
7. FRA USDOT accident prediction formula ranking ability.
8. Experimental accident prediction formula environment which allows users to enter in hypothetical accident data and change crossing characteristics to see how these will change the crossing risk rankings with no effect to the real data.
9. FRA GCIS online interface: allows the submission of our crossing data to the FRA. Possible two way sync or partial sync with FRA GCIS system.
10. Railroad Contact information: Expansion of current railroad contact data, to include the ability to add new contacts and assign roles to their information.
11. Railroad Line data: Should be broken down by railroad, then down to further divisions.

12. Grade Crossing Inspections/Bridge Inspections: this will involve a custom workflow that will allow for the capture of inspections data and the uploading of the inspection data, which will also incorporate a prompting to audit the certain parts of the crossing characteristics already contained in the database. The included TASIR overview will provide an example of the base level of functionality required for this workflow.
13. Change history: shows the user who changed an entry as well as what they changed with their provided narrative.

## 9. Contractor In House Services

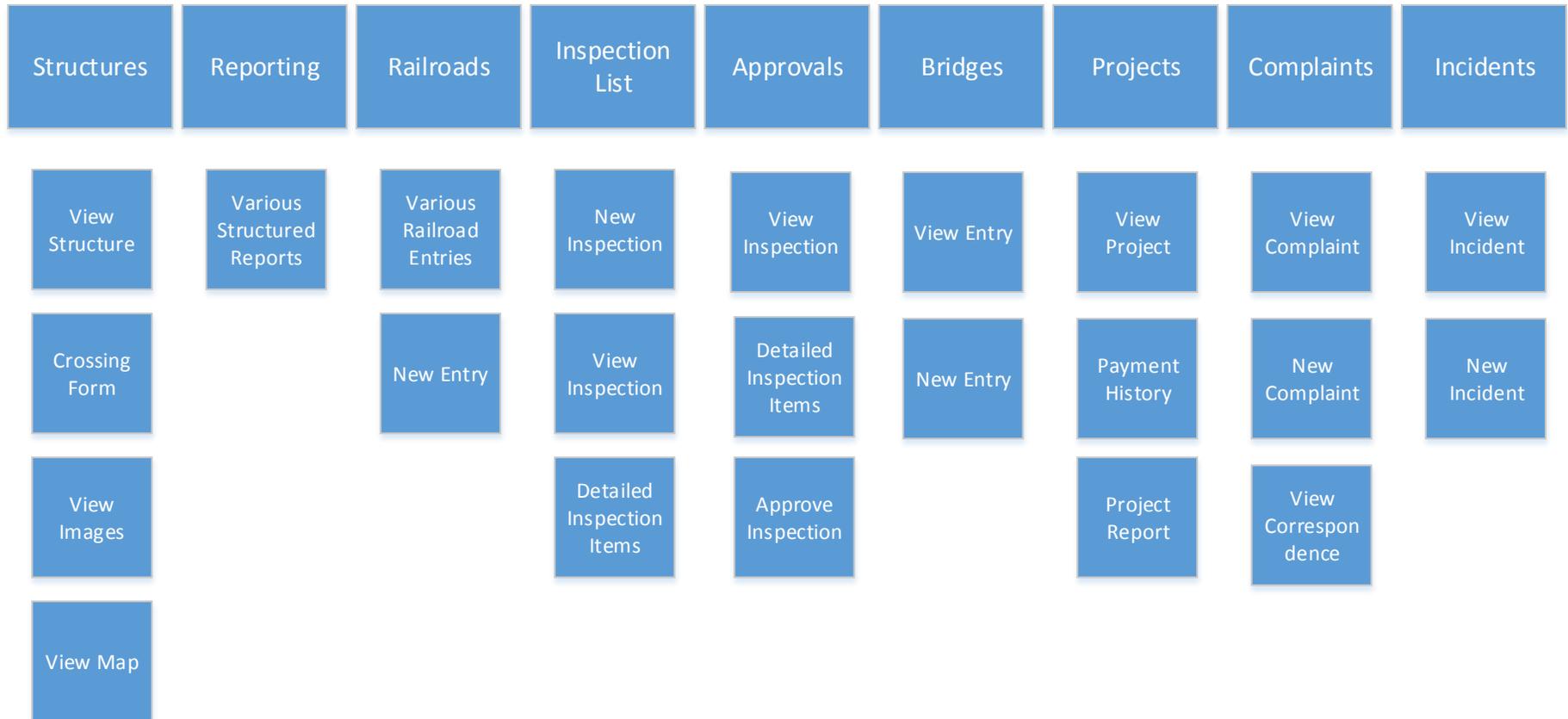
1. The contractor must facilitate, comprehensive development sessions with focus groups of users for all aspects of the program to ensure the program meets the PUCO needs.
2. The Contractor must provide a user's manual that outlines functionality and a training manual to familiarize new users for both the in-house version and field collector version of the program. (examples of the TASIR quick user's guide, General User's Guide and Administrators Guide are included in this document to illustrate PUCO expectations)

## 10. Resources / Examples

1. The USDOT Accident Prediction Model formula: Is used to periodically rank crossings, the ranking is based on an inverse ordinal sort of DOT accident prediction values. The variables are pulled from the crossing characteristics of all open public at-grade crossings. This formula is currently embedded and used in the current RRIS. A two page summary of the formula is included in this document.
2. FRA online GCIS electronic submission criteria is contained in the linked document:  
<https://safetydata.fra.dot.gov/officeofsafety/Documents/GCIS%20Electronic%20Submissions%20Instructions.pdf>
3. The Texas Department of Transportation's "TRIMS" program provides a very good example of what sort of functionality and User Interface is desired. Very similar to what the PUCO needs TX DOT'S TRIMS program is broken into three separate forms, the main in-house version, a field collector version and a web-based public version. The listed user's guide has directions to request a TX DOT login to explore the web TRIMS application and provides further details about their system. This will provide the contractor a very good example of what the PUCO is seeking from a user interface and functionality perspective. The following is a link to the Texas DOT's TRIMS user's guide:  
[https://ftp.dot.state.tx.us/pub/txdot-info/rail/trims/trims\\_users\\_guide.pdf](https://ftp.dot.state.tx.us/pub/txdot-info/rail/trims/trims_users_guide.pdf)  
The following link directs to a YouTube TX DOT "Web trims" training video:  
<https://www.youtube.com/watch?v=cw6lyj3p5So>
4. This link will provide an overview of the FRA National Grade Crossing Inventory Program of which this project is in response to: <https://www.fra.dot.gov/Page/P0111>
5. This link will provide an example of the current crossing inventory form pdf which will be integrated into the database, officially named, FORM FRA F 6180.71. The information contained will illustrate exactly what federal data will be required in the crossing component of the database: <https://www.fra.dot.gov/Page/P0772>

6. The following link will provide pdf examples of the FRA incident forms (6180.54, 6180.55, 6180.57) that are submitted to the PUCO by railroads and then input into the database. This will illustrate what federal data needs to be captured in the incident component of the database: <https://safetydata.fra.dot.gov/officeofsafety/publicsite/forms.aspx?itemno=9.02>
7. The FRA has created an iOS and Android application called "Rail Crossing Locator" which is available for free from the Apple App Store and Google Play. This application has some examples of the previously noted features that need to be implemented however it is important to state that PUCO is not seeking an Android or iOS "app." This application will auto pan the map if you have it active while traveling. It also allows for the selection and input of information through interaction with the crossing icons. <https://www.fra.dot.gov/Page/P0703>
8. Track and Structure Inspection Report (TASIR) program user's manual, admin guide and Quick Guide 2.0 are included. These are provided to show an example of the sort of user's guide the contractor must provide as well as to show the workflows involved with integrating the input of the field inspection (bridge audit and grade crossing) data with the new database.
9. The PUCO has an online content manager called Docketing Information System (DIS) which will be linked to in certain database entries. For example all PUCO projects will contain entries in the RRIS database will have corresponding files on the DIS. The main DIS search page will be linked to via the database by clicking on a link in the entry which will automatically launch a browser on the device with prepopulated case information (pulled from the entry) to take the user directly to all related case/project information held at the DIS. PUCO IT staff can assist with this functionality if needed. The following is a link to the PUCO's DIS website: <https://dis.puc.state.oh.us/>
10. Attached are screen captures of the current database which will show examples of the information and functionality required in the new database. The screen captures are named for the tab from which they originate and further the button or screen they represent. In cases where there are multiple or longer than standard screen capture pages, they are named as such. Also shown is the TASIR program used currently by rail field inspectors to record, input and upload grade crossing inspections and assigned bridge inspection audits (bridge inspections are assigned in-house through the main database to an individual inspector) into the current database. The features on each screen are typically represented as buttons and are very straight forward as to what they represent.

# Current Railroad Inventory System Page Diagram



Note: This diagram is being provided to illustrate current functionality the RRIS database provides PUCO. We must have the same level of functionality but augmented with the various criteria that have been included in the RRIS Resources & Requirements Document. A complete copy of the current RRIS database is not being requested this is just being provided as insight into the base level of functionality that is required. The majority of these items are shown in the form of a screen shot in the following images. The screenshots have some notes to guide the reader to understand what certain buttons and tools are used for also in the top right of the screen shot will be the screen name using the following naming convention. It is a simple “click guide” that will show the tab name as well as the button on the tool bar used to arrive at the screen.

FILE Structures List

Structures Inspection List Projects Back New Structure View Structure Images View Crossing Form

Reporting Approvals Complaints Incidents

Railroads Bridges

Inventory Inspections Action Items

Navigation: First Previous Next Last Find

Filter By Selection Remove Filter/Sort Refresh All Find/Filter

Configuration Settings

# Main Structures Page (Structures Tab) (Page that application opens to)

READ-ONLY This database has been opened read-only. You can only change data in linked tables. To make design changes, save a copy of the database. Save As ...

Primary USDOT	Adj. USDOT	Addl. Struct. Ref.	Railroad	Milepost	Street	Highway	City	County	Ownership	Position	Status	Line	Record
		CT-76.38	NS	76.38				ADA	Public	RR Over	Changed Record	2	16330
		CT-79.12	NS	79.12				ADA	Public	RR Over	Changed Record	2	16331
		CT-58.85	NS	58.85				ADA	Public	RR Over	Changed Record	2	16322
		CT-64.78	NS	64.78				ADA	Public	RR Over	Changed Record	2	16323
		CT-64.99	NS	64.99				ADA	Public	RR Over	Changed Record	2	16324
		CT-69.23	NS	69.23				ADA	Public	RR Over	Changed Record	2	16326
		CT-69.72	NS	69.72				ADA	Public	RR Over	Changed Record	2	16327
		CT-74.26	NS	74.26				ADA	Public	RR Over	Changed Record	2	16328
481829K			NS	55.72			WINCHESTER	ADA	Private	At-Grade	Changed Record	2	10594
481830E			NS	56.04	DORSEY RD	TR48	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3384
481831L			NS	56.50	DORSEY RD		WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3385
481832T			NS	57.1	TRI COUNTY RD S	CR400	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3386
481834G			NS	57.3	WEST ST		WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3387
481835N			NS	57.41	SR 136	SR136-19.84	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3372
481836V			NS	57.59	TRI COUNTY RD	CR400	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3373
481837C		CT-57.99	NS	57.99			WINCHESTER	ADA	Private	At-Grade	Changed Record	2	10595
481838J			NS	58.57			WINCHESTER	ADA	Private	At-Grade	Changed Record	2	10740
481839R			NS	59.2	MT ZION RD	TR49	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3374
481840K			NS	59.66	BAXLA RD	TR50	WINCHESTER	ADA	Public	At-Grade	Changed Record	2	3375
481841S			NS	60.34			SEAMAN	ADA	Private	At-Grade	Closed	2	10741
481842Y			NS	60.55	TRI COUNTY RD	CR400	SEAMAN	ADA	Public	At-Grade	Changed Record	2	3376
481843F			NS	61.65	VINE ST		SEAMAN	ADA	Public	At-Grade	Changed Record	2	3377
481844M			NS	61.69	MAIN ST	SR247-18.02	SEAMAN	ADA	Public	At-Grade	Changed Record	2	3378
481845U			NS	62.2	SILCOTT RD	TR239	SEAMAN	ADA	Public	At-Grade	Changed Record	2	1952
481846B			NS	62.72	TRANQUILITY PK	CR14	SEAMAN	ADA	Public	At-Grade	Changed Record	2	1953
481847H			NS	62.96			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10742
481849W			NS	65.47			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10744
481850R			NS	66.5			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10745
481851X		CT-66.90	NS	66.9	NICHOLS RIDGE RD		SEAMAN	ADA	Public	RR Over	Changed Record	2	16325
481852E			NS	67.28			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10729
481853L			NS	67.68			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10730
481854T			NS	67.75			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10731
481855A			NS	67.86	LAWSHE RD	CR13	SEAMAN	ADA	Public	At-Grade	Changed Record	2	1954
481856G			NS	68.37			SEAMAN	ADA	Private	At-Grade	Changed Record	2	10732
481858V			NS	70.77			PEEBLES	ADA	Private	At-Grade	Closed	2	10734
481859C			NS	71.28			PEEBLES	ADA	Private	At-Grade	Closed	2	10735
481860W			NS	71.97	SR 41	SR41-26.68	PEEBLES	ADA	Public	At-Grade	Changed Record	2	1939
481862K			NS	73.11			PEEBLES	ADA	Private	At-Grade	Changed Record	2	10737
481864Y			NS	73.54			PEEBLES	ADA	Private	At-Grade	Changed Record	2	10439
481865F			NS	73.75			PEEBLES	ADA	Private	At-Grade	Changed Record	2	10440
481866M			NS	74.37	PLUM RUN RD	TR126	PEEBLES	ADA	Private	At-Grade	Changed Record	2	1940
481867U			NS	75.15			PEEBLES	ADA	Private	At-Grade	Closed	2	10441
481868B			NS	75.43			PEEBLES	ADA	Private	At-Grade	Closed	2	10424
481869H		CT-75.74	NS	75.74	PINE GAP		PEEBLES	ADA	Public	RR Over	Changed Record	2	16329

FILE Structure Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges Incidents Inventory Inspections Action Items

Back Save Prev Page Next Page Structure Incidents Site Images View Map Crossing Form Configuration Settings

**Structures Tab, View Structures button, Page 1 (top 3rd)**

**Structure Record Number 3384**

Primary USDOT  FRA B  
 Source  FRA 1-26  
 Adjacent USDOT  FRA 1-26  
 Source  FRA 1-26  
 Additional Structure Reference  FRA 1-26  
 Initiating Agency for Change  FRA A  
 Reason for Update  FRA C  
 Date Effective  FRA D

**Part I: Location and Classification of All Crossings (Must Be Completed)**

Railroad Operating Company  FRA 1-1  
 Railroad Division  FRA 1-4  
 Railroad Subdivision or District  FRA 1-5  
 Branch or Line Name  FRA 1-6  
 Railroad Milepost (Numeric Only)  FRA 1-7  
 Railroad ID Number  FRA 1-8  
 PUCO Line Number  FRA 1-8  
 Nearest Time Table Station  FRA 1-9  
 Parent Railroad Company  FRA 1-10  
 Crossing Owner  FRA 1-11

State  FRA 1-2  
 County  FRA 1-3  
 City  FRA 1-12  
 Location of Crossing is  FRA 1-12  
 Street or Road Name  FRA 1-13  
 Highway Type/Number and SLM  FRA 1-14  
 High-Speed Corridor ID  FRA 1-21  
 County Map Reference Number  FRA 1-22  
 ODOT NLF ID  FRA 1-23  
 Latitude (Decimal)  FRA 1-23  
 Longitude (Decimal)  FRA 1-24  
 Coordinate Source  FRA 1-25  
 Elevation (feet)  FRA 1-25

Crossing Type  FRA 1-17  
 Crossing Position  FRA 1-18  
 ENS Signs  FRA 1-15  
 Quiet Zone/Whistle Ban  FRA 1-16  
 Passenger Service  FRA 1-19  
 Average Pass. Train Count Per Day  FRA 1-20

**"FRA ##" next to each field corresponds with the field from FORM FRA F 6180.71 crossing form. These need to be updated as the form was updated recently**

**Note: This is different from the FRA incident form (FRA 6180.57) which is used in the INCIDENTS TAB**

FILE Structure Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges Incidents Inventory Inspections Action Items

Back Save Prev Page Next Page Structure Incidents Site Images View Map Crossing Form Configuration Settings

### Structures Tab, View Structures button, Page 1 (mid 3rd of screen)

**Structure Record Number 3384**

Latitude (Decimal)	38.93931	FRA 1-23
Longitude (Decimal)	-83.67341	FRA 1-24
Coordinate Source	1 - Actual	FRA 1-25
Elevation (feet)	1005.71	
Crossing Type	3 - Public	FRA 1-17
Crossing Position	1 - At Grade	FRA 1-18
ENS Signs		FRA 1-15
Quiet Zone/Whistle Ban		FRA 1-16
Passenger Service		FRA 1-19
Average Pass. Train Count Per Day		FRA 1-20
<b>Private Crossing Information</b>		
Private Crossing Category		FRA 1-27a
Crossing Open to Public Vehicles		FRA 1-27b
Signs/Signals		FRA 1-27c
Specify Type of Signs/Signals		FRA 1-27c
<b>Contacts and Narratives</b>		
Emergency Contact (Tel. Number)		FRA 1-31
Railroad Contact (Tel. Number)		FRA 1-32
State Contact (Tel. Number)		FRA 1-33
Narrative		FRA 1-30
Railroad Use		FRA 1-28a
Railroad Use		FRA 1-28b
Railroad Use		FRA 1-28c
Railroad Use		FRA 1-28d
State Use		FRA 1-29a
State Use		FRA 1-29b
State Use		FRA 1-29c
State Use		FRA 1-29d
<b>Must Complete Remainder of Form for Public Vehicle Crossings At-Grade</b>		
<b>Part II: Railroad Information</b>		
Total Trains	1	FRA 2-1a
Total Switching Trains	0	FRA 2-1b
Total Day Thru Trains	0	FRA 2-1c
Total Day Switching Trains	0	
Total Night Thru Trains	1	

**"FRA ##" next to each field corresponds with the field from FORM FRA F 6180.71 crossing form. These need to be updated as the form was updated recently**

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FILE Structure Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges Incidents Inventory Inspections Action Items

Back Save Prev Page Next Page Structure Incidents Site Images View Map Crossing Form Configuration Settings

# Structures Tab, View Structure Button, Page 1 (bottom 3rd of screen)

**Structure Record Number 3384**

Railroad Use		FRA 1-28a
Railroad Use		FRA 1-28b
Railroad Use		FRA 1-28c
Railroad Use		FRA 1-28d
State Use		FRA 1-29a
State Use		FRA 1-29b
State Use		FRA 1-29c
State Use		FRA 1-29d

**Must Complete Remainder of Form for Public Vehicle Crossings At-Grade**

**Part II: Railroad Information**

Total Trains	1	FRA 2-1a
Total Switching Trains	0	FRA 2-1b
Total Day Thru Trains	0	FRA 2-1c
Total Day Switching Trains	0	
Total Night Thru Trains	1	
Total Night Switching Trains	0	
Date of Train Count	4/16/2014	
Max. Timetable Speed	25	FRA 2-2a
Minimum Speed Over Crossing	25	FRA 2-2b
Maximum Speed Over Crossing	25	FRA 2-2b
# of Main Tracks	1	FRA 2-3
# of Other Tracks	0	FRA 2-3
Describe Other Tracks		FRA 2-3

**4. Does Another RR Operate Separate Track at Crossing?**

	2 - NO	FRA 2-4
Railroad 1		FRA 2-4
Railroad 2		FRA 2-4
Railroad 3		FRA 2-4
Railroad 4		FRA 2-4

**5. Does Another RR Operate on the Same Track at Crossing?**

	2 - NO	FRA 2-5
Railroad 1		FRA 2-5
Railroad 2		FRA 2-5
Railroad 3		FRA 2-5
Railroad 4		FRA 2-5

**"FRA ##" next to each field corresponds with the field from FORM FRA F 6180.71 crossing form. These need to be updated as the form was updated recently**

**Note: This is different from the FRA incident form (FRA 6180.57) which is used in the INCIDENTS TAB**

FILE Structure Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges Incidents Inventory Inspections Action Items

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### Structures Tab, View Structure button, Page 2 (top half)

**Structure Record Number 3384**

**Part III: Traffic Control Device Information**

Standard Crossbucks	0	FRA 3-2a
Buckeye Crossbucks	2	FRA 3-2a
Highway Stop Signs	2	FRA 3-2b
RR Advance Warning Sign (W 10-1)	1 - YES	FRA 3-2c
Hump Crossing Sign (W 10-5)		FRA 3-2d
Pavement Markings	3 - No Markings	FRA 3-2e
Other Sign (Number)	0	FRA 3-2f
Other Sign (Description)		FRA 3-2f
Other Sign (Number)	0	FRA 3-2f
Other Sign (Description)		FRA 3-2f

Gates, Red/White	0	FRA 3-3a
Gates, Other	0	FRA 3-3a
4-quad Gates		FRA 3-3b
Cantilevered Lts. Over Lane	0	FRA 3-3c
Cantilevered Lts. Not Over Lane	0	FRA 3-3c
Mast Mounted Lights	0	FRA 3-3d
Other Flashing Lights (Number)	0	FRA 3-3f
Other Flash Lights (Description)		FRA 3-3f
Flashing Light Pairs (Generated)	0	FRA 3-3e
HW Traffic Signals	0	FRA 3-3g
Wigwags	0	FRA 3-3h
Bells	0	FRA 3-3j
Other Train Activated Devices		FRA 3-3k

Special Non Train Activated Devices		FRA 3-4
Channelization Devices w/Gates		FRA 3-5
Train Detection	5 - None	FRA 3-6
Train Signals	1 - YES	FRA 3-7
Traffic Light Interconnection		FRA 3-8
Future Use		FRA 3-9
Future Use		FRA 3-10
Future Use		FRA 3-11
Future Use		FRA 3-12

Warning Device Code (Generated) 04

**Part IV: Physical Characteristics**

Development Type	1 - Open Space	FRA 4-1
Smallest Crossing Angle	3 - 60-90 degrees	FRA 4-2

**"FRA ##" next to each field corresponds with the field from FORM FRA F 6180.71 crossing form. These need to be updated as the form was updated recently**

**Note: This is different from the FRA incident form (FRA 6180.57) which is used in the INCIDENTS TAB**

FILE Structure Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges

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### Structures Tab, View Structure button, Page 2 (bottom half)

**Structure Record Number 3384**

Bells	0	FRA 3-3j
Other Train Activated Devices		FRA 3-3k
Special Non Train Activated Devices		FRA 3-4
Channelization Devices w/Gates		FRA 3-5
Train Detection	5 - None	FRA 3-6
Train Signals	1 - YES	FRA 3-7
Traffic Light Interconnection		FRA 3-8
Future Use		FRA 3-9
Future Use		FRA 3-10
Future Use		FRA 3-11
Future Use		FRA 3-12

Warning Device Code (Generated) 04

**Part IV: Physical Characteristics**

Development Type	1 - Open Space	FRA 4-1
Smallest Crossing Angle	3 - 60-90 degrees	FRA 4-2
# Traffic Lanes Crossing Railroad	2	FRA 4-3
Truck Pull-out Lanes	2 - NO	FRA 4-4
Highway Is Paved	2 - NO	FRA 4-5
Crossing Surface	2 - Asphalt	FRA 4-6
Other Surface Description		FRA 4-6
Track Runs Down Street	2 - NO	FRA 4-7
Crossing Illuminated		FRA 4-9
Commercial Power Available	2 - NO	FRA 4-10

**For Question 4-8 (Nearby Intersection) and other Intersection Information, Please Continue to Next Page**

**Part V: Highway Information**

Highway System	8 - Non-Federal Aid	FRA 5-1
Crossing on State HW System	2 - NO	FRA 5-2
Functional Classification	9 - Rural Local	FRA 5-3
Posted Highway Speed Limit		FRA 5-4
AAADT	64	FRA 5-5
Year AADT Measured	2013	FRA 5-5
Estimate Percent Truck Traffic	05	FRA 5-6
Est. # School Buses Per School Day		FRA 5-6
Local Highway Authority	WINCHESTER TWP	
Local Highway Authority		

**"FRA ##" next to each field corresponds with the field from FORM FRA F 6180.71 crossing form. These need to be updated as the form was updated recently**

**Note: This is different from the FRA incident form (FRA 6180.57) which is used in the INCIDENTS TAB**

# Structures Tab, View Structure Button, Page 3

Structure Record Number **3384**

### ORDC Specific Survey Information

Distance to Nearest Intersection (ft)

Type of Nearest Intersection

# of HW-HW Intersections within 200 ft

**Highway 1**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

**Highway 2**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

**Highway 3**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

**Highway 4**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

**Highway 5**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

**Highway 6**

Traffic Control Devices:

Traffic Light  Flashing Light

Stop Sign  Yield Sign

"DO NOT STOP ON TRACK(S)" sign

Distance from edge of tie (nearest to intersection) to:

End of Inventory Form, Click on the "Previous Page" Button on the Toolbar to View Previous Pages

# Structures Tab, Crossing Form Button, Page 1

**Outdated Form**

**A link to the new form is provided in the Resources and Requirements Document**

U.S. DOT CROSSING INVENTORY FORM			
DEPARTMENT OF TRANSPORTATION FEDERAL RAILROAD ADMINISTRATION (FRA)		OMB No. 2130-0017	
A. Initiating Agency <input type="checkbox"/> Railroad <input checked="" type="checkbox"/> State	B. Crossing Number (max. 7 char.) 523747X	C. Reason for Update <input checked="" type="checkbox"/> Changes in Existing Data <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed Crossing or Abandoned	D. Effective Date (MM/DD/YYYY) 8/20/2015
<b>Part I: Location and Classification Information</b>			
1. Railroad Oper. Co. (code (max. 4 char.) or name) CSX		2. State (2 char.) OH	3. County (max. 20 char.) CUY
4. Railroad Division or Region (max. 14 char.) GREAT LAKES		5. Railroad Subdivision or District (max. 14 char.) CLEVELAND TERMINAL	7. RR Milepost (max. 7 char.) 179.72
6. Branch or Line Name (max. 15 char.) CHICAGO LINE		11. Crossing Owner (RR or Company name) CSX	
8. RR I.D. No. (max. 10 char.) QD	9. Nearest RR Timetable Station (max. 7 char.) CLEVELAND	10. Parent RR (max. 4 char.) CSX	11. Crossing Owner (RR or Company name) CSX
12. City (max. 16 char.) (check one) <input checked="" type="checkbox"/> In <input type="checkbox"/> Near CLEVELAND		13. Street or Road Name (max. 17 char.) E 40TH ST	<b>STATE SUPPLIED INFORMATION</b>
14. Highway Type & No. (max. 7 char.)		15. ENS Sign Installed (1-800) <input type="checkbox"/> Yes <input type="checkbox"/> No	16. Quiet Zone <input type="checkbox"/> No <input type="checkbox"/> Partial <input type="checkbox"/> 24 hr <input type="checkbox"/> Unknown
17. Crossing Type (choose one only) <input checked="" type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> Pedestrian		18. Crossing Position <input checked="" type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over	19. Type of Passenger Service <input type="checkbox"/> AMTRAK <input type="checkbox"/> AMTRAK & Other <input type="checkbox"/> Other <input type="checkbox"/> None
20. Average Passenger Train Count Per Day		21. HSR Corridor ID (2 char.)	
22. County Map Ref. No. (10 char.)		23. Latitude (max. 10 char., nn.nnnnnn) 41.5198081	
24. Longitude (max. 11 char., nnn.nnnnnn) -81.6671447		25. Lat/Long Source <input checked="" type="checkbox"/> Actual <input type="checkbox"/> Estimated	
26. Is There an Adjacent Crossing With a Separate Number? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Provide Number _____ (7 characters)			
<b>27. PRIVATE CROSSING INFORMATION</b>			
27.A. Category (check one) <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial		27.B. Public Access <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
27.C. Signs/Signals <input type="checkbox"/> None <input type="checkbox"/> Signs Specify (max. 15 char.) _____ <input type="checkbox"/> Signals Specify (max. 15 char.) _____			
28.A. Railroad Use (max. 20 char.)		29.A. State Use (max. 20 char.)	
28.B. Railroad Use (max. 20 char.)		29.B. State Use (max. 20 char.)	
28.C. Railroad Use (max. 20 char.)		29.C. State Use (max. 20 char.)	
28.D. Railroad Use (max. 20 char.)		29.D. State Use (max. 20 char.)	
30. Narrative (max. 100 char.)			
31. Emergency Contact (Telephone No.)		32. Railroad Contact (Telephone No.)	
33. State Contact (Telephone No.)			
<b>MUST COMPLETE REMAINDER OF FORM FOR PUBLIC VEHICLE CROSSINGS AT GRADE</b>			
<b>Part II: Railroad Information</b>			
1. Number of Daily Train Movements			
1.A. Total Trains 3	1.B. Total Switching Trains 0	1.C. Total Day/ight Thru Trains (6 AM to 6 PM) 3	1.D. Check if Less Than One Movement Per Day <input type="checkbox"/>
2. Speed of Train at Crossing		2.A. Maximum Time Table Speed (mph) 20	
		2.B. Typical Speed Range Over Crossing (mph) from 15 to 20	
3. Type and Number of Tracks Main 5 Other 3		if Other, Specify (max. 10 char.) 1SEC 2 SID	
4. Does Another RR Operate a Separate Track at Crossing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		4. Does Another RR Operate Over Your Track at Crossing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ATK	

# Structures Tab, Crossing Form button, Page 2

Outdated Form

A link to the new form is provided in the Resources and Requirements Document

U.S. DOT CROSSING INVENTORY FORM					
B. Crossing Number (max. 7 char.) 507879S		PAGE 2		D. Effective Date (MM/DD/YYYY) 8/25/2005	
Part III: Traffic Control Device Information					
1. No Signs or Signals <input type="checkbox"/> Check if Correct		2. Type of Warning Device at Crossing - Signs (specify number of each) 2.A. Crossbucks: <u>2</u>		2.C. RR Advance Warning Signs (W10-1) <input type="checkbox"/> Yes <input type="checkbox"/> No	
		2.B. Highway Stop Signs (R1-1)		2.D. Hump Crossing Sign (W10-5) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
2.E. Pavement Markings <input type="checkbox"/> Stoplines <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None			2.F. Other Signs (specify MUTCD type) Number: _____ Specify Type (max. 10 char.): _____ Number: _____ Specify Type (max. 10 char.): _____		
3. Type of Warning Device at Crossing - Train Activated Devices (specify number of each)					
3.A. Gates <u>0</u>		3.B. Four-quadrant (or full barrier) Gates <input type="checkbox"/> Yes <input type="checkbox"/> No		3.C. Cantilevered (or Bridge) Flashing Lights Over Traffic Lane (number): _____ Not Over Traffic Lane (number): _____	
3.F. Other Flashing Lights Number: _____ Specify Type (max. 9 char.): _____		3.D. Mast Mounted Flashing Lights (number)		3.E. Number of Flashing Light Pairs <u>0</u>	
3.K. Other Train Activated Warning Devices: (specify) (max. 9 char.)		3.G. Highway Traffic Signals (number)		3.H. Wigwags (number)	
3.J. Bells (number)		4. Specify Special Warning Device NOT Train Activated (max. 20 char.)			
6. Train Detection <input type="checkbox"/> Constant Warning Time <input type="checkbox"/> DC/AFD <input type="checkbox"/> Motion Detectors <input type="checkbox"/> Other <input type="checkbox"/> None		7. Signaling for Train Operation: Is Track Equipped with Train Signals? <input type="checkbox"/> Yes <input type="checkbox"/> No		8. Traffic Light Interconnection/Preemption <input type="checkbox"/> Not Interconnected <input type="checkbox"/> NIA <input type="checkbox"/> Simultaneous Preemption <input type="checkbox"/> Advance Preemption	
9. Reserved For Future Use		10. Reserved For Future Use		11. Reserved For Future Use	
		5. Channelization Devices With Gates <input type="checkbox"/> All Approaches <input type="checkbox"/> One Approach <input type="checkbox"/> None			
Part IV: Physical Characteristics					
1. Type of Development <input type="checkbox"/> Open Space <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional			2. Smallest Crossing Angle <input type="checkbox"/> 0° - 29° <input checked="" type="checkbox"/> 30° - 59° <input type="checkbox"/> 60° - 90°		
3. Number of Traffic Lanes Crossing Railroad <u>2</u>		4. Are Truck Pullout Lanes Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Is Highway Paved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
6. Crossing Surface (on main line) <input checked="" type="checkbox"/> 1. Timber <input type="checkbox"/> 2. Asphalt <input type="checkbox"/> 3. Asphalt and Flange <input type="checkbox"/> 4. Concrete <input type="checkbox"/> 5. Concrete and Rubber <input type="checkbox"/> 6. Rubber <input type="checkbox"/> 7. Metal <input type="checkbox"/> 8. Unconsolidated <input type="checkbox"/> 9. Other (Specify)					
7. Does Track Run Down a Street? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		8. Nearby Intersecting Highway? <input type="checkbox"/> Less than 75 feet <input type="checkbox"/> 75 to 200 feet <input type="checkbox"/> 200 to 500 feet <input type="checkbox"/> N/A		Is it Signalized? <input type="checkbox"/> Yes <input type="checkbox"/> No	
9. Is Crossing Illuminated? (street lights within approx. 50 feet from nearest rail) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		10. Is Commercial Power Available? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		11. Space Reserved For Future Use	
Part V: Highway Information					
1. Highway System <input type="checkbox"/> Interstate <input type="checkbox"/> Federal Aid, Not NHS <input type="checkbox"/> Nat. Hwy System (NHS) <input checked="" type="checkbox"/> Non Federal Aid		2. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		3. Functional Classification of Road at Crossing <u>09</u>	
4. Posted Highway Speed		5. Annual Average Daily Traffic (AADT) Year: _____ AADT: <u>759</u>		6. Estimate Percent Trucks	
				7. Average Number of School Buses Over Crossing per School Day	
<small>Public reporting burden for this information collection is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for this information collection is 2130-0017. All responses to this collection of information are voluntary. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Office, Federal Railroad Administration, 1120 Vermont Ave., NW, Washington, D.C. 20590.</small>					

FILE Site Images

Structures Inspection List Projects  
Reporting Approvals Complaints  
Railroads Bridges Incidents  
Inventory Inspections Action Items

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Site Images

Configuration Settings

## Structures Tab, View Images Button (top of screen)

### Images for Structure Record Number 337

Site Images Location: \\exodus.puc.state.oh.us\sites\$\ALL\ALL009

USDOT: 261659L

Addl. Structure Ref.:

Adjacent USDOT:

#### Image 1 (Looking South)



#### Image 2 (Looking West)



#### Image 3 (Looking North)



### Note:

Not all crossings have photos, only "at-grade" public crossings will have photos in their entry, we need to be able to insert photos of bridges in the new database

FILE Site Images

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## Structures Tab, View Images button (mid screen)

**Images for Structure Record Number 337**

Site Images Location: \\exodus.puc.state.oh.us\sites\$\ALL\ALL009  
 USDOT: **261659L**  
 Addl. Structure Ref.:  
 Adjacent USDOT:

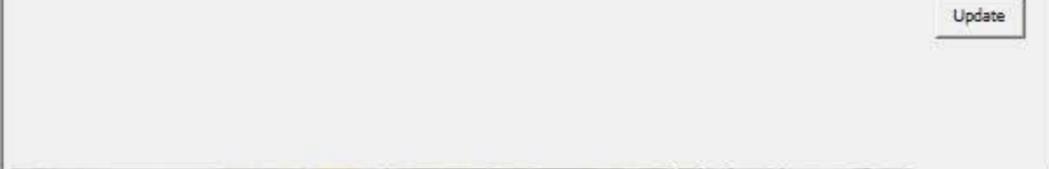
**Image 3 (Looking North)**



**Image 4 (Looking East)**



**Image 5**



**Note:**  
 Not all crossings have photos, only "at-grade" public crossings will have photos in their entry, we need to be able to insert photos of bridges in the new database

FILE Site Images

Structures Inspection List Projects  
 Reporting Approvals Complaints  
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 Site Images Configuration Settings

## Structures Tab, View Images button, (lower portion of screen)

**Images for Structure Record Number 337**

Site Images Location: \\exodus.puc.state.oh.us\sites\$\ALL\ALL009  
 USDOT: **261659L**  
 Addl. Structure Ref.:  
 Adjacent USDOT:



**Image 5**

**Image 6**

**Note:**  
 Not all crossings have photos, only "at-grade" public crossings will have photos in their entry, we need to be able to insert photos of bridges in the new database

# Structures Tab, View Structure button, View Map button

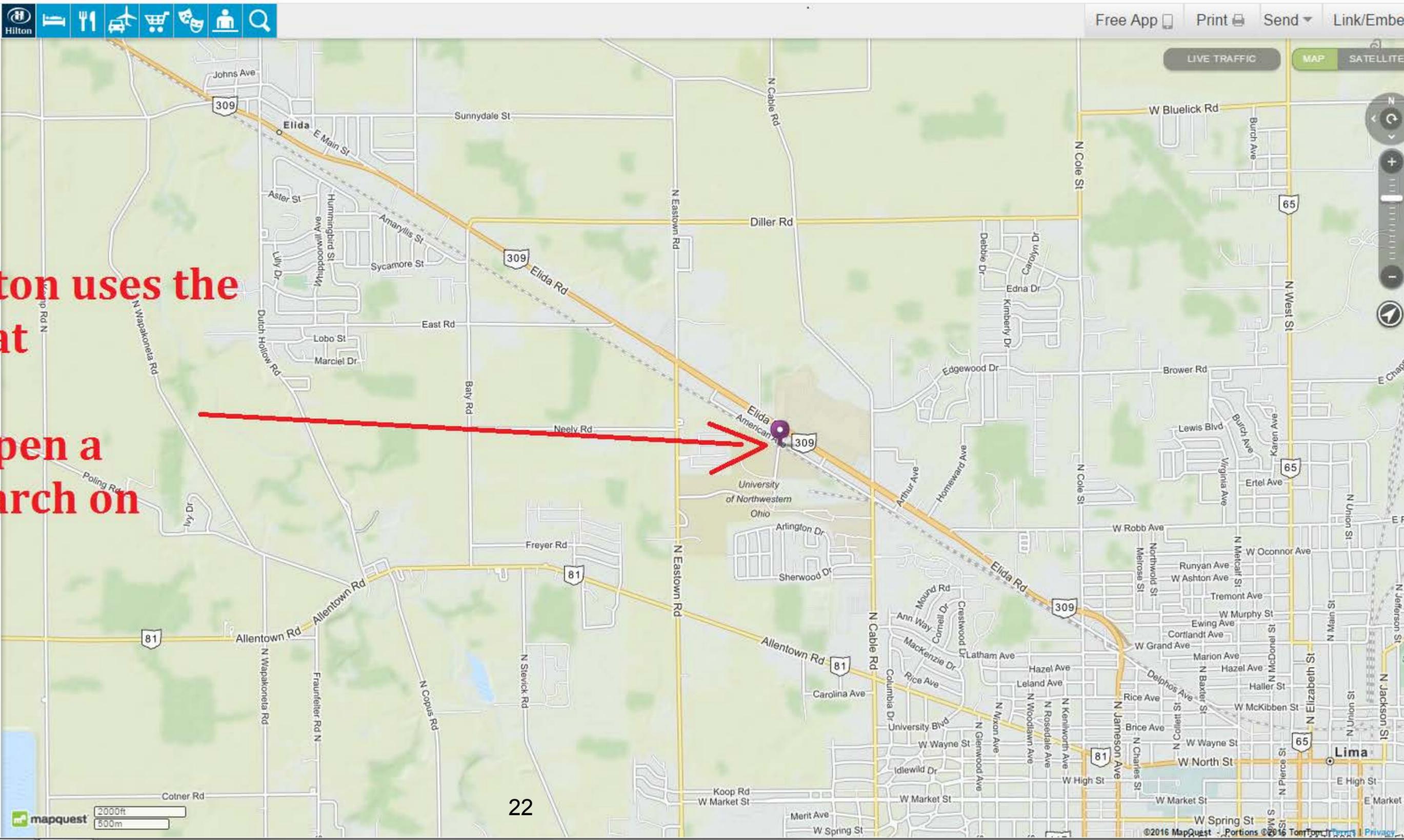
Search Clear Map

US

**GET DIRECTIONS** **SEARCH**

United States

Directions Search Nearby Save



**"View Map" Button uses the assigned long/lat coordinates to automatically open a browser and search on Mapquest.com**

FILE Reports

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 Excel PDF or XPS  
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## Reporting Tab

**View Reports**

**Incident and Crash Related**

- Crashes by Railroad Operating Company for the last  years ▶\*
- At-Grade Total Crashes to Date in County  ▶\*
- County crash report for year  Month  sorted by  ▶\*
- 5 Year Comparison and % Active Device Crashes for Ending Year  Month  ▶\*
- Yearly Summary of total crashes by type of warning devices ▶\*
- PUCO Ranking Report for County  ▶\*

**Complaints Related**

- All open complaints ▶\*
- Complaints Summary from Month  To Month  within Year  ▶\*

**Project Related**

- Projects Due for Completion within  months ▶\*
- All projects completed with Listing of  for the county  within the last  years ▶\*
- Summary of completed projects by project type in year  ▶\*
- All projects with listing of  for county  for  ▶\*

**Grade Crossing Information**

- Grade crossings that have  for all of the county  ▶\*
- Summary of all information for the crossing that has the USDOT  ▶\*
- Average Daily Traffic report for county  ▶\*
- U.S.DOT Crossing Inventory Form [Form FRA F6180.71] for Crossing  ▶\*

**Inspection Related**

- Inspections covered in county  within the last  years ▶\*
- Grade crossings in county  not inspected in the last  year(s) ▶\*

**Bridge Compliance Related**

- Bridges in county  where a RR report has not been received in  ▶\*

**Each line produces a predetermined, formatted report.**

# Railroads Tab

ID	Company	Type
AKQ	AK Steel Corp.	SL
AB	Akron Barberton Cluster Railway Co	SL
AEC	American Energy Corp	
AMKZ	Ametek Westchester Plastics	SL
ATK	Amtrak	
AA	Ann Arbor Acquisition Corp	SL
ASRY	Ashland Railway, Inc.	SL
ACJR	Ashtabula, Carson & Jefferson Railroad Inc	SL
BSS	Bessemer and Lake Erie Railroad Co	
BCRR	Buckeye Central Scenic Railroad	
XBSL	Byesville Scenic Trails, LLC	SL
BYSR	Byesville ScenicRailway	SL
CCRA	Camp Chase Industrial Railroad Corp	
CAMY	Camp Chase Railway	SL
CN	Candian National	
CP	Candian Pacific Railway Co	SL
CSLX	Carey Short Line	
CQPA	Central Columbiana & Pennsylvania Railway	SL
CCRR	Central Columbiana Railroad	
COA	Central Ohio Associates Ltd	
GCOX	Central Ohio Coal Co	
CQFZ	Central Ohio Farmers Coop	
CERA	Central Railroad Company of Indianapolis	
CIND	Central Railroad of Indiana	
CS	Central Soya	SL
CFP	Cereal Food Processors	
CFE	Chicago Ft Wayne & Eastern	SL
CTER	Cincinnati Terminal Railway Co.	SL
CNRY	Cinergy Power Generation Services LLC	
CIDX	City of Dayton Railroad	SL
CIG	City of Greenfield	SL
CCRL	Cleveland Commercial Railroad Company	SL
CWRO	Cleveland Works Railway Co	
CCPA	Columbiana County Port Authority	
CUOH	Columbus & Ohio River Railroad Co	SL
CR	Consolidated Rail Corp	CI
CSX	CSX Transportation, Inc.	CI
CUVA	Cuyahoga Valley Railway Co	SL
CVSX	Cuyahoga Valley Scenic Railroad	
DMRC	Dayton & Michigan Railroad Co	SL
XDPL	Dayton Power & Light	
DDL	Double D Logistics	SL
FIR	Flats Industrial Railroad Co	
GTRS	Germantown Rail Siding Co	
GRRW	Grand River Railway	SL
GTW	Grand Trunk Western Railroad	CI
GMRY	Great Miami & Scioto Railway Co	SL
GCRT	GREATER CLEVELAND REGIONAL TRANSIT AUTHC	SL

FILE Inspections List

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Refresh All

Find/Filter

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# Inspection List Tab

Inspection #	InspectionDate	Inspector	Reason
NRN-0115-000958	1/29/2016	NRN	Routine
NRN-0115-000957	1/29/2016	NRN	Routine
JRD-0035-001906	1/29/2016	JRD	Routine
JHC-0095-001012	1/29/2016	JHC	Routine
RAJ-0130-000610	1/28/2016	RAJ	Routine
NRN-0115-000956	1/28/2016	NRN	Routine
NRN-0115-000955	1/28/2016	NRN	
KAW-0105-000827	1/28/2016	KAW	Routine
JEG-0020-002758	1/28/2016	JEG	Routine
JEG-0020-002757	1/28/2016	JEG	Routine
JEG-0020-002756	1/28/2016	JEG	Routine
JEG-0020-002755	1/28/2016	JEG	Complaint
JBE-0110-000978	1/28/2016	JBE	Routine
JBE-0110-000977	1/28/2016	JBE	Follow-up
JBE-0110-000976	1/28/2016	JBE	Follow-up
RAJ-0130-000609	1/27/2016	RAJ	Routine
RAJ-0130-000608	1/27/2016	RAJ	Complaint
NRN-0115-000954	1/27/2016	NRN	Routine
KAW-0105-000826	1/27/2016	KAW	Routine
KAW-0105-000825	1/27/2016	KAW	Complaint
JRD-0035-001905	1/27/2016	JRD	Follow-up
JHC-0095-001011	1/27/2016	JHC	Routine
JBE-0110-000975	1/27/2016	JBE	Routine
RAJ-0130-000607	1/26/2016	RAJ	Routine
RAJ-0130-000606	1/26/2016	RAJ	Routine
KAW-0105-000824	1/26/2016	KAW	Complaint
KAW-0105-000823	1/26/2016	KAW	Complaint
JHC-0095-001010	1/26/2016	JHC	Routine
RAJ-0130-000605	1/25/2016	RAJ	Routine
NRN-0115-000953	1/25/2016	NRN	Routine
KAW-0105-000822	1/25/2016	KAW	Routine
JHC-0095-001009	1/25/2016	JHC	Complaint
JHC-0095-001008	1/25/2016	JHC	Routine
JBE-0110-000974	1/25/2016	JBE	Routine
JBE-0110-000973	1/25/2016	JBE	Routine
RAJ-0130-000604	1/22/2016	RAJ	Routine
RAJ-0130-000603	1/22/2016	RAJ	Routine
KAW-0105-000821	1/22/2016	KAW	Routine
KAW-0105-000820	1/22/2016	KAW	Routine
JHC-0095-001007	1/22/2016	JHC	Routine
JEG-0020-002754	1/22/2016	JEG	Follow-up
JBE-0110-000972	1/22/2016	JBE	Routine
BMB-0125-000747	1/22/2016	BMB	Routine
BMB-0125-000746	1/22/2016	BMB	Routine
NRN-0115-000951	1/21/2016	NRN	Routine
NRN-0115-000950	1/21/2016	NRN	Routine

INSPECTION

FILE Inspection Detail

Structures Inspection List Projects  
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Back Save  
 Detailed Inspection Items  
 Configuration Settings

# Inspection List Tab, View Inspection button

## Track and Structure Inspection Report **NRN-0115-000955**

Inspector Initials

Date Inspected

RR Official Rcvng Report (incl. title)

Railroad

Railroad Division

Line or Branch Name

Branch Number

Primary Reason for Inspection

Related Complaint #

1st County Inspected

2nd County Inspected

3rd County Inspected

Inspector Comments

## Inspection Summary and Segment

9a. - 9f. Note Number of Items Inspected:

Line Miles

HW Grade Crossings

Bridges

Tunnels

Records Checked

Other

Track Miles

Defects Noted

12a. - 12c. Inspection Segment:

From Location

From Milepost

To Location

To Milepost

Mode of Inspection

## Detailed Inspection Items

To View and Edit the Detailed Inspection Items, click on "Detailed Inspection Items" in the toolbar.

FILE Inspection Units

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Detailed Inspection Settings

## Inspection List Tab, View Inspection button, Detailed Inspection Items Button

Iter	Structure Type	Record	Identification	Milepos	Track Type	Track Ident	FRA Class	Def_SubF	Def_Ru	Def_Sub	Def_Desc	Additional Comments	Def_Tim	Actio	Date
1	X - Highway Grade Crossing	4468	155808V	186	M - Main, "thru"	KING RD						No Defects Noted.			
2	X - Highway Grade Crossing	4469	155809C	186.88	M - Main, "thru"	OVITT RD						No Defects Noted.			
3	X - Highway Grade Crossing	4470	155810W	187.47	M - Main, "thru"	REITZ RD						No Defects Noted.			
4	X - Highway Grade Crossing	13969	155811D	188.33	M - Main, "thru"	HULL PRAIRIE RI						No Defects Noted.			
5	X - Highway Grade Crossing	13953	155812K	188.67	M - Main, "thru"	FIVE POINT RD						No Defects Noted.			
6	X - Highway Grade Crossing	13953	155812K	188.67	M - Main, "thru"	FIVE POINT RD						No Defects Noted.			
7	X - Highway Grade Crossing	13954	155814Y	189.85	M - Main, "thru"	ROACHTON RD						No Defects Noted.			
8	X - Highway Grade Crossing	13955	155815F	190.34	M - Main, "thru"	FORT MEIGS RD						No Defects Noted.			
9	X - Highway Grade Crossing	13956	155818B	190.98	M - Main, "thru"	ECKEL JUNCTIOI						No Defects Noted.			
10	X - Highway Grade Crossing	13957	155819H	191.52	M - Main, "thru"	ECKEL RD						No Defects Noted.			
11	X - Highway Grade Crossing	13958	155820C	191.76	M - Main, "thru"	ECKEL RD						No Defects Noted.			
*															

FILE Inspection Units

Structures Inspection List Projects  
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Back Save Structure Lookup Configuration

Detailed Inspection Settings

# Inspection List Tab, View Inspection button, Detailed Inspection Items button, Structure Look up button

Iter	Structure Type	Record	Identification	Milepost	Track Type	Track Ident	FRA Class	Def_SubF	Def_Ru	Def_Sub	Def_Desc	Additional Comments	Def_Tim	Actio	Date
1	X - Highway Grade Crossing	4468	155808V	186	M - Main, "thru"	KING RD						No Defects Noted.			
2	X - Highway Grade Crossing	4469	155809C	186.88	M - Main, "thru"	OVITT RD						No Defects Noted.			
3	X - Highway Grade Crossing	4470	155810W	187.47	M - Main, "thru"	REITZ RD						No Defects Noted.			
4	X - Highway Grade Crossing	13969	155811D	188.33	M - Main, "thru"	HULL PRAIRIE RI						No Defects Noted.			
5	X - Highway Grade Crossing	13953	155812K	188.67	M - Main, "thru"	FIVE POINT RD						No Defects Noted.			
6	X - Highway Grade Crossing	13953	155812K	188.67	M - Main, "thru"	FIVE POINT RD						No Defects Noted.			
7	X - Highway Grade Crossing	13954	155814Y	189.85	M - Main, "thru"	ROACHTON RD						No Defects Noted.			
8	X - Highway Grade Crossing	13955	155815F	190.34	M - Main, "thru"	FORT MEIGS RD						No Defects Noted.			
9	X - Highway Grade Crossing	13956	155818B	190.98	M - Main, "thru"	ECKEL JUNCTIO						No Defects Noted.			
10	X - Highway Grade Crossing	13957	155819H	191.52	M - Main, "thru"	ECKEL RD						No Defects Noted.			
11	X - Highway Grade Crossing	13958	155820C	191.76	M - Main, "thru"	ECKEL RD						No Defects Noted.			

**Crossing Search**

**Crossing Search Selected Crossing - Details**

Crossing Type	USDOT <b>524829H</b>	Railroad
Railroad	Addl. Struct. Ref.	Railroad Division
County	Milepost <b>4</b>	Railroad Subdivision
Milepost	County <b>HAMILTON</b>	PUCO Line # <b>21</b>
City	City <b>CINCINNATI</b>	
Crossing	Highway	
PUCO Line #	Street <b>PENN CENTL</b>	
	Latitude <b>39.2528000</b>	Record # <b>8574</b>
	Longitude <b>-84.4353030</b>	USDOT2

Select Clear All Cancel

Edit Structure View Map

Crossir	Addl. Structure Re	RR Milepo	County	City	Railroac	RR Divisi	PUCO Line	Record
524829H		4	HAMILTON	CINCINNATI			21	8574
505048A		57.75	JEFFERSON	BERGHOLZ		PITTSBURG	74	9760
505051H		66.31	JEFFERSON	AMSTERDAM		PITTSBURG	74	9762
503285E		0.68	JEFFERSON	BERGHOLZ		PITTSBURG	75	10218
503282J		0.9	JEFFERSON	BERGHOLZ		PITTSBURG	75	10235
000801T		0	LUCAS	TOLEDO	AA	System	1	196
000110K		3.89	LUCAS	TOLEDO	AA		1	565
509128G		86.38	LUCAS	TOLEDO	AA	DEARBORN	11	844
473905F		1.91	LUCAS	TOLEDO	AA	DEARBORN	65	1292

FILE Inspection Approvals List

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Inspection #	InspectionDate	Inspector	Reason
BMB-0125-000757	2/17/2016	BMB	Routine
NRN-0115-000968	2/17/2016	NRN	Routine
JEG-0020-002768	2/12/2016	JEG	Inspection Request
BMB-0125-000756	2/12/2016	BMB	Routine
NRN-0115-000967	2/11/2016	NRN	Routine
NRN-0115-000966	2/11/2016	NRN	Routine
NRN-0115-000965	2/10/2016	NRN	Routine
NRN-0115-000964	2/8/2016	NRN	Routine
BMB-0125-000755	2/8/2016	BMB	Routine
BMB-0125-000754	2/8/2016	BMB	Routine
BMB-0125-000753	2/5/2016	BMB	Routine
JRD-0035-001908	2/5/2016	JRD	Routine
JRD-0035-001907	2/5/2016	JRD	Routine
NRN-0115-000962	2/4/2016	NRN	Routine
BMB-0125-000752	2/4/2016	BMB	Routine
NRN-0115-000963	2/4/2016	NRN	Routine
JBE-0110-000981	2/4/2016	JBE	Routine
NRN-0115-000961	2/3/2016	NRN	Routine
JEG-0020-002765	2/3/2016	JEG	Routine
JEG-0020-002766	2/3/2016	JEG	Routine
JEG-0020-002767	2/3/2016	JEG	Routine
BMB-0125-000750	2/3/2016	BMB	Routine
BMB-0125-000751	2/3/2016	BMB	Routine
NRN-0115-000960	2/2/2016	NRN	Routine
JBE-0110-000980	2/2/2016	JBE	Routine
JEG-0020-002764	2/2/2016	JEG	Routine
JEG-0020-002763	2/2/2016	JEG	Routine
JEG-0020-002762	2/2/2016	JEG	Follow-up
JEG-0020-002761	2/2/2016	JEG	Routine
BMB-0125-000749	2/2/2016	BMB	Routine
BMB-0125-000748	2/1/2016	BMB	Routine
JBE-0110-000979	2/1/2016	JBE	Routine
NRN-0115-000959	2/1/2016	NRN	
JHC-0095-001013	2/1/2016	JHC	Routine
JEG-0020-002760	2/1/2016	JEG	Routine
JEG-0020-002759	2/1/2016	JEG	Routine



FILE Bridge Compliance List

Structures Inspection List Projects Reporting Approvals Complaints Incidents Railroads Bridges

Inventory Inspections Action Items Compliance

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# Bridge [Inspection] Tab

PUCO Report Number	Entry Date	RR Grade	Status	USDO1	Addl. Struct. Ref	Railroa	Inspector	Assignment Date	Completion Date	Compliance Type
PUCO-BC-021482	2/18/2016	1 - No Attention Required	Completed		271.51	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021481	2/18/2016	1 - No Attention Required	Completed		271.09	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021480	2/18/2016	1 - No Attention Required	Completed		270.72	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021479	2/18/2016	1 - No Attention Required	Completed		269.70	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021478	2/18/2016	1 - No Attention Required	Completed		267.77	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021477	2/18/2016	1 - No Attention Required	Completed		264.19	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021476	2/18/2016	1 - No Attention Required	Completed		262.61	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021475	2/18/2016	1 - No Attention Required	Completed		262.22	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021474	2/18/2016	1 - No Attention Required	Completed	532717E	Bridge # 165B	CFE			2/18/2016	R - Railroad Report
PUCO-BC-021473	2/17/2016	1 - No Attention Required	Completed	532708F		CFE			2/17/2016	R - Railroad Report
PUCO-BC-021472	2/17/2016	1 - No Attention Required	Completed		259.88	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021471	2/17/2016	1 - No Attention Required	Completed	532704D	258.94	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021470	2/17/2016	1 - No Attention Required	Completed		258.18	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021469	2/17/2016	1 - No Attention Required	Completed		252.77	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021468	2/17/2016	1 - No Attention Required	Completed		249.69	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021467	2/17/2016	1 - No Attention Required	Completed		248.86	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021466	2/17/2016	1 - No Attention Required	Completed		244.88	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021465	2/17/2016	1 - No Attention Required	Completed		242.28	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021464	2/17/2016	1 - No Attention Required	Completed		241.17	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021463	2/17/2016	1 - No Attention Required	Completed		240.66	CFE			2/17/2016	R - Railroad Report
PUCO-BC-021462	2/10/2016	1 - No Attention Required	Completed		240.15	CFE			2/10/2016	R - Railroad Report
PUCO-BC-021461	2/9/2016	1 - No Attention Required	Completed		239.64	CFE			2/9/2016	R - Railroad Report
PUCO-BC-021460	2/8/2016	1 - No Attention Required	Completed		238.56	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021459	2/8/2016	1 - No Attention Required	Completed	532661M	235.67	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021458	2/8/2016	1 - No Attention Required	Completed		235.6	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021457	2/8/2016	1 - No Attention Required	Completed	532657X	232.60	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021456	2/8/2016	1 - No Attention Required	Completed		231.28	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021455	2/8/2016	1 - No Attention Required	Completed		226.51	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021454	2/8/2016	1 - No Attention Required	Completed		225.44	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021453	2/8/2016	1 - No Attention Required	Completed		223.34	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021452	2/8/2016	1 - No Attention Required	Completed		222.08	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021451	2/8/2016	1 - No Attention Required	Completed		221.13	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021450	2/8/2016	1 - No Attention Required	Completed		220.33	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021449	2/8/2016	1 - No Attention Required	Completed		219.52	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021448	2/8/2016	1 - No Attention Required	Completed		218.36	CFE			2/8/2016	R - Railroad Report
PUCO-BC-021447	2/4/2016	1 - No Attention Required	Completed	532612R	214.65	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021446	2/4/2016	1 - No Attention Required	Completed		Bridge 62	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021445	2/4/2016	1 - No Attention Required	Completed		210.07	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021444	2/4/2016	1 - No Attention Required	Completed	532604Y	209.19	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021443	2/4/2016	1 - No Attention Required	Completed		BRIDGE 47	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021442	2/4/2016	1 - No Attention Required	Completed		BRIDGE 45	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021441	2/4/2016	1 - No Attention Required	Completed		207.2	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021440	2/4/2016	1 - No Attention Required	Completed		Bridge 41	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021439	2/4/2016	1 - No Attention Required	Completed		206.33	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021438	2/4/2016	1 - No Attention Required	Completed		206.10	CFE			2/4/2016	R - Railroad Report
PUCO-BC-021437	1/26/2016	1 - No Attention Required	Completed		205.30	CFE			1/26/2016	R - Railroad Report

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 Bridge Inspection Settings

# Bridge [Inspection] Tab, Individual Record Page

## Bridge Inspection and Assignment Report PUCO-BC-021482

### Assignment Information - Record Completed by PUCO Office Staff

Entry Date

Compliance Type

Railroad Structure Grade

Railroad Report Date

Railroad Submitting Report

PUCO Line Number

Railroad Report Reference

Railroad Division

Railroad Subdivision

Structure Reference

Crossing

County

MilePost

Length

Road

Stream

### Inspector Assignment

Assigned To

Assignment Reason

PUCO Comments

### Record Status (Read Only)

Assignment Date

Assignment Received On

Completion Date

T and S Report Number (Form 750-1)

Inspection Line Item

Inspection Date

FILE Bridge Inspection Detail

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Bridge Inspection Settings

# Bridge [Inspection] Tab, Individual Record, Page 2

## Bridge Inspection and Assignment Report PUCO-BC-021482

### Inspection Observations (Read Only)

Members Inspection Party

List work needed immediately

Comments

Bridge Type

#### General

- Are foundations settling?  Yes  No  N/A (Line out)
- Are foundations tilting?  Yes  No  N/A (Line out)
- Any bad scouring?  Yes  No  N/A (Line out)
- Any cribwalks needed?  Yes  No  N/A (Line out)
- Walkways and handrails OK?  Yes  No  N/A (Line out)
- Floor planks adequate?  Yes  No  N/A (Line out)
- Any loose concrete overhead?  Yes  No  N/A (Line out)
- Any unusual movements under bridge?  Yes  No  N/A (Line out)
- General Condition of Bridge  Good  Fair  Poor  N/A (Line out)

#### Waterway

- Is opening free of obstruction?  Yes  No  N/A (Line out)
- Any serious bank erosion?  Yes  No  N/A (Line out)
- Any drift cleaning needed?  Yes  No  N/A (Line out)
- Any weed removal needed?  Yes  No  N/A (Line out)
- Any pipelines or conduits? Gas?  Yes  No  N/A (Line out)
- Any highway under bridge?  Yes  No  N/A (Line out)
- Any stock passages under bridge?  Yes  No  N/A (Line out)
- Is this a road/wagon bridge?  Yes  No  N/A (Line out)

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FILE Bridge Inspection Detail

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# Bridge [Inspections] Tab, Individual Record, Page 3

**Bridge Inspection and Assignment Report PUCO-BC-021482**

**Inspection Observations (Continued)**

**Track**

Surfaces on approaches good?  Yes  No  N/A (Line out)

Alignment of approaches good?  Yes  No  N/A (Line out)

Surfaces on bridge good?  Yes  No  N/A (Line out)

Alignment of bridge good?  Yes  No  N/A (Line out)

Any inside steel guard rail?  Yes  No  N/A (Line out)

Ballast retainers high enough?  Yes  No  N/A (Line out)

Is superelevation adequate?  Yes  No  N/A (Line out)

Is rail anchored on bridge?  Yes  No  N/A (Line out)

Welded rail on bridge?  Yes  No  N/A (Line out)

**Concrete or Steel Bridges**

Girder No. Spans

Truss No. Spans

Concrete  Arch  Box  Other  N/A (Line out)

Masonry Soundness Joints  Good  Fair  Poor  N/A (Line out)

Ties and guard rails  Good  Fair  Poor  N/A (Line out)

Steel viaduct towers  Good  Fair  Poor  N/A (Line out)

Timber Towers  Good  Fair  Poor  N/A (Line out)

Bearing Timbers  Good  Fair  Poor  N/A (Line out)

Anchor bolts and expansion  Good  Fair  Poor  N/A (Line out)

Girders and truss members  Good  Fair  Poor  N/A (Line out)

Rivets and bolts  Good  Fair  Poor  N/A (Line out)

Pins, pinholes, and nuts  Good  Fair  Poor  N/A (Line out)

Laterals and cross frames  Good  Fair  Poor  N/A (Line out)

Floor beam construction  Good  Fair  Poor  N/A (Line out)

**Trestles**

Timber No. Panels

Timber Condition  Good  Fair  Poor  N/A (Line out)

Concrete No. Panels

Concrete Condition  Good  Fair  Poor  N/A (Line out)

Ties and timber guard rails  Good  Fair  Poor  N/A (Line out)

Stringers, beams, or slacs  Good  Fair  Poor  N/A (Line out)

Caps, bents, and sills  Good  Fair  Poor  N/A (Line out)

Piling and posts  Good  Fair  Poor  N/A (Line out)

Braces and sashes  Good  Fair  Poor  N/A (Line out)

Bolts and fastenings  Good  Fair  Poor  N/A (Line out)

**End of Bridge Inspection and Assignment Report**

# Projects Tab

Structure	Case	Type	Listing	Deadline	Project Closed	County	Record
262063C	15-1150-RR-FED	Lights/Gates	Federal	3/2/2017		MAR	<a href="#">5057</a>
262043R		Supplemental	State	1/11/2017		MRW	<a href="#">5216</a>
925536M	15-1073-RR-STP	Upgrade	State	12/17/2016		BUT	<a href="#">5138</a>
920887U	15-1073-RR-STP	Upgrade	State	12/17/2016		BUT	<a href="#">5137</a>
920830T	15-1073-RR-STP	Upgrade	State	12/17/2016		MOT	<a href="#">5177</a>
920813C	15-1073-RR-STP	Upgrade	State	12/17/2016		SEN	<a href="#">5198</a>
915864C	15-1073-RR-STP	Upgrade	State	12/17/2016		CUY	<a href="#">5149</a>
867097V	15-1073-RR-STP	Upgrade	State	12/17/2016		LUC	<a href="#">5171</a>
851589D	15-1073-RR-STP	Upgrade	State	12/17/2016		LUC	<a href="#">5170</a>
544908Y	15-1073-RR-STP	Upgrade	State	12/17/2016		ATB	<a href="#">5126</a>
544907S	15-1073-RR-STP	Upgrade	State	12/17/2016		ATB	<a href="#">5125</a>
544883F	15-1073-RR-STP	Upgrade	State	12/17/2016		ATB	<a href="#">5124</a>
544720W	15-1073-RR-STP	Upgrade	State	12/17/2016		TRU	<a href="#">5212</a>
525158P	15-1073-RR-STP	Upgrade	State	12/17/2016		PRE	<a href="#">5185</a>
525101N	15-1073-RR-STP	Upgrade	State	12/17/2016		PRE	<a href="#">5184</a>
525061T	15-1073-RR-STP	Upgrade	State	12/17/2016		MOT	<a href="#">5176</a>
523483E	15-1073-RR-STP	Upgrade	State	12/17/2016		CLA	<a href="#">5139</a>
513878Y	15-1073-RR-STP	Upgrade	State	12/17/2016		SAN	<a href="#">5191</a>
513582A	15-1073-RR-STP	Upgrade	State	12/17/2016		MEG	<a href="#">5175</a>
513559F	15-1073-RR-STP	Upgrade	State	12/17/2016		MEG	<a href="#">5174</a>
513536Y	15-1073-RR-STP	Upgrade	State	12/17/2016		MEG	<a href="#">5173</a>
513518B	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5135</a>
513490M	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5134</a>
513486X	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5133</a>
513482V	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5132</a>
513479M	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5131</a>
513478F	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5130</a>
513475K	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5129</a>
513474D	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5128</a>
513473W	15-1073-RR-STP	Upgrade	State	12/17/2016		ATH	<a href="#">5127</a>
513423T	15-1073-RR-STP	Upgrade	State	12/17/2016		PER	<a href="#">5182</a>
513403G	15-1073-RR-STP	Upgrade	State	12/17/2016		FAI	<a href="#">5152</a>
513399U	15-1073-RR-STP	Upgrade	State	12/17/2016		FAI	<a href="#">5151</a>
510704S	15-1073-RR-STP	Upgrade	State	12/17/2016		COL	<a href="#">5145</a>
508925U	15-1073-RR-STP	Upgrade	State	12/17/2016		LUC	<a href="#">5169</a>
508123U	15-1073-RR-STP	Upgrade	State	12/17/2016		COL	<a href="#">5144</a>
508119E	15-1073-RR-STP	Upgrade	State	12/17/2016		COL	<a href="#">5143</a>
508118X	15-1073-RR-STP	Upgrade	State	12/17/2016		COL	<a href="#">5142</a>
508117R	15-1073-RR-STP	Upgrade	State	12/17/2016		COL	<a href="#">5141</a>
504844F	15-1073-RR-STP	Upgrade	State	12/17/2016		SUM	<a href="#">5201</a>
503618D	15-1073-RR-STP	Upgrade	State	12/17/2016		WAY	<a href="#">5214</a>
503327N	15-1073-RR-STP	Upgrade	State	12/17/2016		BEL	<a href="#">5136</a>
503246N	15-1073-RR-STP	Upgrade	State	12/17/2016		JEF	<a href="#">5165</a>
503244A	15-1073-RR-STP	Upgrade	State	12/17/2016		JEF	<a href="#">5164</a>
503196M	15-1073-RR-STP	Upgrade	State	12/17/2016		JEF	<a href="#">5163</a>
503183L	15-1073-RR-STP	Upgrade	State	12/17/2016		JEF	<a href="#">5162</a>

FILE Project Detail

Structures Inspection List Projects  
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Back Save Payment Project  
 History Report  
 Project Settings

# Projects Tab, Project Details Form

**Project Record Number 5125**

Project Type

Listing Type

Case Number

Structure Number

County

Highway/Street

PUCO Contact

ORDC Contact

Railroad Contact

LHA Contact

LHA

LHA

Notes

**Project Timeline**

Diagnostic Survey

Proposals Sent

Agreements Sent

Agreements Returned from RR

Agreements Returned from LHA

Agreements Sent to ORDC

ORDC Authorization

First Order

Plans/Estimates Due

Completion Deadline

Plans/Estimates Received

Construction Auth. to RR

Construction Notification from RR

Final Inspection Completed

Project Closed

**Cost Information**

Initial Local Cost  0%

Initial State Cost  100%

Initial Federal Cost  0%

Initial RR Cost  0%

Est. State Encumberment

Total Initial Cost: **\$5,000.00**



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# Projects Tab, Project Report Button

## Project Report

Project Number: 5125

---

Structure: 544907S	PUCO Contact: HENRY
Listing: STA	ORDC Contact:
Project Type: UPG	LHA Contact:
Case Number: 15-1073-RR-STP	RR Contact: NS
Case Number:	LHA: ASHTABULA CITY
Street: 32ND ST	

Status: LED Upgrade 8" to 12" LED

Project Milestone Dates	Project Cost Information
Diagnostic Survey:	Initial Local Cost:
Proposals Sent:	Initial State Cost: \$5,000.00
Agreements Sent: 5/13/2015	Initial Federal Cost:
Consent Returned From RR: 6/12/2015	Initial RR Cost:
Consent Returned From LHA:	Total Initial Cost: \$5,000.00
Consent(s) Sent To ORDC:	Final Local Cost:
ORDC Authorization:	Final State Cost:
First Order: 6/17/2015	Final Federal Cost:
Second Order:	Final RR Cost:
Plans/Estimates Due:	Total Final Cost:
Completion Deadline: 12/17/2016	Est. State Encumbrment:
Plans/Estimates Received:	
RR Construction Notification:	
Final Inspection:	
Case Closed:	

Project Payment History

For more information on this report, please contact the Railroad Division of the PUCO at +1 614 486 0407.

COMPLAINTS LIST

FILE Complaints List

Structures Inspection List Projects Reporting Approvals Railroads Bridges

Inventory Inspections Action Items

Back New Complaint View Complaint

Navigation First Previous Next Last Find

Filter By Selection Remove Filter/Sort Refresh All

Configuration Settings

# Complaints Tab

Number	Date Received	Date Assigned	Name	InspectorID	Tyf	Street	Count	Status
A -0001-05-0001	1/3/2005	1/3/2005	<b>Names and Streets of Complainants Removed</b>	SEH	OTH		CLE	Closed
A -0001-05-0002	1/3/2005	1/3/2005		SEH	RXC		WAR	Closed
A -0001-06-0001	1/3/2006	1/4/2006		JEG	RXC		ALL	Closed
A -0001-07-0001	1/9/2007	1/9/2007		CBH	RXC		HEN	Closed
A -0001-08-0001	1/2/2008	1/2/2008		REP	RXC		FRA	Closed
A -0001-09-0001	1/5/2009	1/5/2009		JRD	RXC		LAK	Closed
A -0001-10-0001	1/6/2010	1/6/2010		LTD	MAL		DEL	Closed
A -0001-11-0001	1/5/2011	1/5/2011		NAV	RXC		PUT	Closed
A -0001-12-0001	1/9/2012	1/9/2012		REP	WV		MAR	Closed
A -0001-13-0001	1/2/2013	1/2/2013		REP	WV		WYA	Closed
A -0001-14-0001	1/21/2014	1/21/2014		JHC	MAL		FRA	Closed
A -0001-15-0001	1/5/2015	1/5/2015		SAZ	RXC		TUS	Closed
A -0001-16-0001	1/5/2016	1/6/2016		JHC	WV		FAY	Closed
A -0002-05-0003	1/4/2005	1/6/2005		RJR	RXC		CAR	Closed
A -0002-06-0002	1/4/2006	1/4/2006		JRD	RXC		CUY	Closed
A -0002-06-0003	1/4/2006	1/4/2006		JRD	RXC		CUY	Closed
A -0002-07-0002	1/10/2007	1/10/2007	RJR	OTH		POR	Closed	
A -0002-08-0002	1/2/2008	1/2/2008	SEH	BRI		HAM	Closed	
A -0002-09-0002	1/5/2009	1/5/2009	MLB	WV		VAN	Closed	
A -0002-10-0002	1/12/2010	1/13/2010	JRD	RXC		LOR	Closed	
A -0002-11-0002	1/18/2011	1/18/2011	SEH	BLO		BUT	Closed	
A -0002-12-0002	1/12/2012	1/12/2012	SAZ	PRI		CAR	Closed	
A -0002-13-0002	1/2/2013	1/2/2013	JHC	FEN		FRA	Closed	
A -0002-14-0002	1/27/2014	1/28/2014	NRN	RXC		ALL	Closed	
A -0002-14-0003	1/27/2014	1/28/2014	NRN	RXC		ALL	Closed	
A -0002-15-0002	1/7/2015	1/7/2015	JBE	FEN		WAS	Closed	
A -0002-16-0002	1/6/2016	1/7/2016	SAZ	MAL		GRE	Closed	
A -0003-05-0004	1/6/2005	1/6/2005	JEG	MAL		HAR	Closed	
A -0003-06-0004	1/5/2006	1/5/2006	MLB	RXC		WOO	Closed	
A -0003-07-0003	1/11/2007	1/11/2007	DEC	RXC		BRO	Closed	
A -0003-08-0003	1/2/2008	1/2/2008	JRD	WV		SUM	Closed	
A -0003-09-0003	1/5/2009	1/5/2009	REP	BRI		DEL	Closed	
A -0003-10-0003	1/13/2010	1/13/2010	SAZ	VIS		LIC	Closed	
A -0003-11-0003	1/18/2011	1/18/2011	RJR	BLO		TRU	Closed	
A -0003-12-0003	1/17/2012	1/17/2012	JRD	BLO		ERI	Closed	
A -0003-13-0003	1/4/2013	1/4/2013	JRD	TRA		ATB	Closed	
A -0003-14-0004	1/27/2014	1/28/2014	REP	RXC		HUR	Closed	
A -0003-15-0003	1/7/2015	1/7/2015	NRN	RXC		LUC	Closed	
A -0003-16-0003	1/12/2016	1/12/2016	KAW	VIS		ALL	Open	
A -0004-05-0005	1/11/2005	1/11/2005	WJJ	RXC		LOG	Closed	
A -0004-06-0005	1/6/2006	1/6/2006	WJJ	RXC		FRA	Closed	
A -0004-07-0004	1/12/2007	1/12/2007	WJJ	RXC		LIC	Closed	
A -0004-08-0004	1/3/2008	1/3/2008	SAZ	WV		MUS	Closed	
A -0004-09-0004	1/6/2009	1/6/2009	SEH	RXC		BUT	Closed	
A -0004-10-0004	1/19/2010	1/19/2010	NAV	RXC		HAR	Closed	
A -0004-11-0004	1/24/2011	1/25/2011	SAZ	FEN		MUS	Closed	

COMPLAINT

FILE Complaint Detail

Structures Inspection List Projects  
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 Inventory Inspections Action Items

Back Save  
 New Correspondence Complaint  
 Configuration Settings

# Complaints Tab, View Complaint Button (Complaint Detail)

## Complaint Record Number A -0001-05-0001

Status

Type of Complaint

Railroad Involved

Docket # (opt)

USDOT (opt)

Inspector Assigned

County

Date Received

Date Assigned

Date for Follow-Up

Date Closed

## Complaint Contact

Salutation

First and Last Name

Title

Address

City

State

Postal Code

Telephone

Fax

## Complaint Summary

Summary

Complaint Street 1

Complaint Street 2

Complaint City

## Correspondence Information

To View and Edit Detailed Correspondence Information, click on "Correspondence List" in the toolbar.

**FILE** Correspondence Detail

Structures Inspection List Projects  
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Back Save Configuration

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# Complaints Tab, View Complait Button, New Correspondence Button

## Correspondence for Complaint A -0001-05-0001

Sequence of Response

Date Response Sent

Inspector Assigned

## Contact Information

Name

Address

City

State

Postal Code

Telephone

## Description

INCIDENT LIST

FILE Incidents List

Structures Inspection List Projects  
 Reporting Approvals Complaints  
 Railroads Bridges Incidents

Inventory Inspections Action Items Incidents Navigation

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First Previous Next Last

Find Filter By Selection Configuration  
 Remove Filter/Sort Refresh All

Find/Filter Settings

# Incidents Tab

Structure	Date	Railroad Involved	I	F	Description	City	Count	Record
	12/21/2015	NS	0	0	Derailment	LORDSTOWN	TRU	<a href="#">5455</a>
518415T	12/18/2015	CSX	1	0	RR Grade Crossing	MARION	MAR	<a href="#">5459</a>
	12/13/2015	WE	0	0	Derailment	CANTON	STA	<a href="#">5457</a>
538739A	12/13/2015	CSX	0	0	RR Grade Crossing	SIDNEY	SHE	<a href="#">5458</a>
	12/10/2015	WE	0	0	Derailment	PLYMOUTH	RIC	<a href="#">5456</a>
525241R	12/5/2015	IORY	0	0	RR Grade Crossing	MASON	WAR	<a href="#">5452</a>
473711A	12/4/2015	NS	0	0	RR Grade Crossing	FREMONT	SAN	<a href="#">5451</a>
509522J	12/3/2015	NS	0	0	RR Grade Crossing	ARCHBOLD	FUL	<a href="#">5450</a>
	12/3/2015	NS	0	0	Derailment	BELLEVUE	ERI	<a href="#">5454</a>
141893W	12/2/2015	WE	0	0	RR Grade Crossing	MEDINA	MED	<a href="#">5453</a>
	11/27/2015	NS	0	0	Other	BELLEVUE	ERI	<a href="#">5440</a>
142011E	11/26/2015	CSX	0	0	RR Grade Crossing	AKRON	SUM	<a href="#">5395</a>
524059N	11/23/2015	NS	0	1	RR Grade Crossing	HURON	ERI	<a href="#">5389</a>
	11/22/2015	NS	0	0	Derailment	MINGO JUNCTION	JEF	<a href="#">5438</a>
	11/22/2015	NS	0	0	Derailment	MINGO JUNCTION	JEF	<a href="#">5437</a>
	11/22/2015	NS	0	0	Derailment	BROOK PARK	CUY	<a href="#">5439</a>
	11/22/2015	CSX	0	0	Derailment	YOUNGSTOWN	TRU	<a href="#">5434</a>
141741A	11/17/2015	CSX	0	0	RR Grade Crossing	LORDSTOWN	TRU	<a href="#">5394</a>
524340K	11/15/2015	NS	0	0	RR Grade Crossing	BEDFORD	CUY	<a href="#">5391</a>
503013S	11/12/2015	NS	0	0	RR Grade Crossing	ALLIANCE	STA	<a href="#">5392</a>
923041E	11/11/2015	CWRO	0	0	Head-on Collision	CLEVELAND	CUY	<a href="#">5449</a>
525203G	11/8/2015	NS	0	0	RR Grade Crossing	NEW MIAMI	BUT	<a href="#">5390</a>
518496V	11/8/2015	CSX	0	0	RR Grade Crossing	NEW LONDON	HUR	<a href="#">5393</a>
509405N	10/31/2015	NS	0	0	RR Grade Crossing	ELLISTON	OTT	<a href="#">5388</a>
	10/25/2015	NS	0	0	Derailment	AMSDEN	SEN	<a href="#">5436</a>
473891A	10/25/2015	NS	0	0	RR Grade Crossing	TOLEDO	LUC	<a href="#">5387</a>
523793Y	10/18/2015	CSX	1	0	RR Grade Crossing	WILLOUGHBY	LAK	<a href="#">5382</a>
151389L	10/15/2015	CSX	0	0	RR Grade Crossing	CINCINNATI	HAM	<a href="#">5381</a>
	10/13/2015	CSX	0	0	Raking Collision	NORTH BALTIMORE	WOO	<a href="#">5433</a>
	10/13/2015	CSX	0	0	Raking Collision	NORTH BALTIMORE	WOO	<a href="#">5432</a>
142349P	10/11/2015	CSX	0	1	RR Grade Crossing	DEFIANCE	DEF	<a href="#">5380</a>
142011E	10/10/2015	CSX	0	0	RR Grade Crossing	AKRON	SUM	<a href="#">5379</a>
	10/5/2015	CSX	0	0	Derailment	CINCINNATI	HAM	<a href="#">5431</a>
	9/30/2015	NS	0	0	Derailment	MANSFIELD	RIC	<a href="#">5429</a>
	9/28/2015	CSX	0	0	Other	CINCINNATI	HAM	<a href="#">5424</a>
	9/28/2015	CSX	0	0	Other	CINCINNATI	HAM	<a href="#">5422</a>
	9/27/2015	CSX	0	0	Other	WALBRIDGE	WOO	<a href="#">5430</a>
228829T	9/26/2015	CSX	0	0	RR Grade Crossing	PEMBERVILLE	WOO	<a href="#">5378</a>
152416J	9/23/2015	CSX	0	0	RR Grade Crossing	TRENTON	BUT	<a href="#">5377</a>
503010W	9/18/2015	NS	0	0	RR Grade Crossing	ALLIANCE	STA	<a href="#">5372</a>
872644J	9/17/2015	CSX	0	0	RR Grade Crossing	TOLEDO	LUC	<a href="#">5376</a>
527976F	9/13/2015	NS	1	0	RR Grade Crossing	SPRINGFIELD	CLA	<a href="#">5371</a>
	9/11/2015	CUOH	0	0	Derailment	NEWARK	LIC	<a href="#">5446</a>
509552B	9/11/2015	NS	0	0	RR Grade Crossing	BRYAN	WIL	<a href="#">5370</a>
524051J	9/5/2015	NS	0	0	RR Grade Crossing	VERMILION	ERI	<a href="#">5389</a>
	9/5/2015	WE	0	0	Derailment	BREWSTER	STA	<a href="#">5443</a>

FILE Incident Detail

Structures Inspection List Projects Reporting Approvals Railroads Bridges Inventory Inspections Action Items

Complaints Incidents

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# Incidents Tab, View Incident Button, Page 1 (top half)

**Incident Record Number 5457**

Reporting/Operating Railroad:  FRA 1a  
 RR Accident/Incident Number:  FRA 1b  
 Other Railroad Involved:  FRA 2a  
 Other RR Accident/Incident Number:  FRA 2b  
 Maintenance Railroad:  FRA 3a  
 Maint. RR Accident/Incident Number:  FRA 3b  
 Structure/USDOT and Type:  FRA 4  
 Check for Public At-grade Railroad Crossing FRA 12  
 Date and Time of Incident:  FRA 5,6  
 Type of Incident:  FRA 5,6  
 PUCO Reference Number:

**Accident/Incident Location**

Nearest Time Table Station:  FRA 7  
 Railroad Division:  FRA 8  
 County:  FRA 9  
 State:  FRA 10  
 Nearest City:  FRA 11  
 Highway Name or No.:  FRA 12  
 PUCO Line Number:   
 Mile Post:   
 Comments:

**Highway User/Rail Equipment Involved**

Type of Vehicle:  FRA 13  
 Vehicle Speed (MPH):  FRA 14  
 Vehicle Direction:  FRA 15  
 Position of Highway User:  FRA 16  
 Equipment Type:  FRA 17  
 Position of Car Unit in Train:  FRA 18  
 Circumstance:  FRA 19

**Hazardous Materials**

Hazmat Involved?:  FRA 20a  
 Hazmat Released By:  FRA 20b  
 Hazmat Description:  FRA 20c  
 Hazmat Quantity:  FRA 20c  
 # Cars Carrying Hazmat:   
 # Hazmat Cars Damaged:

**"FRA ##" corresponds to the field on FORM FRA F 6180.57, which the Railroads submit to the PUCO and are input into the database**

FILE Incident Detail

Structures Inspection List Projects  
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Settings

# Incidents Tab, View Incident, Page 1. (bottom half)

**Incident Record Number 5459**

Comments

---

**Highway User/Rail Equipment Involved**

Type of Vehicle	E - Van	FRA 13
Vehicle Speed (MPH)	0	FRA 14
Vehicle Direction	W - West	FRA 15
Position of Highway User	1 - Stalled or stuck on crossing	FRA 16
Equipment Type	1 - Train (units pulling)	FRA 17
Position of Car Unit in Train	1	FRA 18
Circumstance	1 - Rail Equipment Struck Highway User	FRA 19

---

**Hazardous Materials**

Hazmat Involved?	4 - Neither	FRA 20a
Hazmat Released By	4 - Neither	FRA 20b
Hazmat Description		FRA 20c
Hazmat Quantity		FRA 20c
# Cars Carrying Hazmat		
# Hazmat Cars Damaged		
# Cars Releasing Hazmat		
# of People Evacuated		

---

**Accident/Incident Cause**

Primary Cause (and code)

Secondary Cause (and code)

---

**Environmental Factors**

Temp (F)	30	FRA 21
Visibility	1 - Dawn	FRA 22
Weather	2 - Cloudy	FRA 23

---

**Detailed Accident Account**

PUCO Inspector

Inspection Date

**"FRA ##" corresponds to the field on FORM FRA F 6180.57, which the Railroads submit to the PUCO and are input into the database**

FILE Incident Detail

Structures Inspection List Projects  
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Settings

# Incidents Tab, View Incident, Page 2. (top half)

**Incident Record Number 5459**

**Train Information**

Train Number	<input type="text"/>	
Locomotive Number(s)	<input type="text"/>	
Type of Train	1 - Freight Train	FRA 24
Track Type	M - Main, thru	FRA 25
Track Identification	#2 MAIN	FRA 26
FRA Track Class	2	FRA 27
# of Locomotive Units	2	FRA 28
# of Cars	2	FRA 29
Train Speed (MPH) and Measurement	27 R - Recorded	FRA 30
Time Table Direction	E - East	FRA 31
Trailing Tons	<input type="text"/>	
Method of Operation	<input type="text"/>	
Track/Structure Defects Noted	<input type="text"/>	
Equipment Defects Noted	<input type="text"/>	
Comments	<input type="text"/>	

**Crossing Description/Highway User**

Type of Crossing Protection:	<input checked="" type="checkbox"/> Gates <input type="checkbox"/> Wig Wags <input type="checkbox"/> Crossbucks <input type="checkbox"/> Flagged by Crew <input type="checkbox"/> Cantilever FLS <input type="checkbox"/> Traffic Signals <input type="checkbox"/> Stop Signs <input type="checkbox"/> Other <input checked="" type="checkbox"/> Standard FLS <input checked="" type="checkbox"/> Audible <input type="checkbox"/> Watchmen <input type="checkbox"/> None You may select a maximum of 7 choices.	FRA 32
Was Signal Operating?	1 - YES	FRA 33
Roadway Conditions	A - Dry	FRA 34
Location of Warning	1 - Both Sites	FRA 35
Interconnected Signals	2 - NO	FRA 36
Illumination by Street/Special Lights	1 - YES	FRA 37
Comments	<input type="text"/>	

**Vehicle Damage/Casualties**

Driver Age	30	FRA 38
Driver Gender	1 - MALE	FRA 39
Driver Struck by Second Train?	2 - NO	FRA 40
Driver...	4 - Stopped on crossing	FRA 41
Driver Passed Standing Hwy. Veh.	2 - NO	FRA 42
View of Track Obscured By	8 - Not Obstructed	FRA 43
Driver was...	2 - Injured	FRA 44
Was Driver in Vehicle?	1 - YES	FRA 45
Hwy. Vehicle / Property Damage (\$)	\$6,000.00	FRA 47

FILE Incident Detail

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Incident Settings

# Incidents Tab, View Incident, Page 2. (bottom half)

**Incident Record Number 5459**

Was Driver in Vehicle? 1 - YES  FRA 45

Hwy. Vehicle / Property Damage (\$) \$6,000.00  FRA 47

# Injured in Hwy. Vehicle 1  FRA 46b

# Fatalities in Hwy. Vehicle 0  FRA 46b

Total People (incl. Driver) in Veh. 1  FRA 48

Comments

---

**Property Damage/Casualties on Train**

Equipment Damage (\$)

Track, Signal, Way, Struct. Damage

# RR Employees Injured on Train 0  FRA 49b

# RR Employees Fatalities on Train 0  FRA 49a

Total Number of People on Train 2  FRA 50

# Passengers Injured on Train 0  FRA 52a

# Passengers Fatalities on Train 0  FRA 52b

List and Describe Derailed Cars

---

**Total Injuries/Fatalities**

Total People, Injured 1

Total People, Fatalities 0

---

**Special Study Block**

Was Video Taken? No  FRA 53a

Was Video Used? No  FRA 53a

Special Study Block 1  FRA 53b

Special Study Block 2  FRA 53b

---

**Miscellaneous**

Accident Narrative  FRA 54

Is RR Equipment Accident/Incident Report Being Filed? 2 - NO  FRA 51

**"FRA ##" corresponds to the field on FORM FRA F 6180.57, which the Railroads submit to the PUCO and are input into the database**

FILE Incident Detail

Structures Inspection List Projects Reporting Approvals Complaints Incidents Back Save Prev Page Next Page View Structure Configuration

Inventory Inspections Action Items Incident Settings

# Incidents Tab, New Incident Button, Page 1 (top half)

**Incident Record Number (New)**

Reporting/Operating Railroad  FRA 1a

RR Accident/Incident Number  FRA 1b

Other Railroad Involved  FRA 2a

Other RR Accident/Incident Number  FRA 2b

Maintenance Railroad  FRA 3a

Maint. RR Accident/Incident Number  FRA 3b

Structure/USDOT and Type  FRA 4

Check for Public At-grade Railroad Crossing FRA 12

Date and Time of Incident  FRA 5,6

Type of Incident

PUCO Reference Number

---

**Accident/Incident Location**

Nearest Time Table Station  FRA 7

Railroad Division  FRA 8

County  FRA 9

State  FRA 10

Nearest City  FRA 11

Highway Name or No.  FRA 12

PUCO Line Number

Mile Post

Comments

---

**Highway User/Rail Equipment Involved**

Type of Vehicle  FRA 13

Vehicle Speed (MPH)  FRA 14

Vehicle Direction  FRA 15

Position of Highway User  FRA 16

Equipment Type  FRA 17

Position of Car Unit in Train  FRA 18

Circumstance  FRA 19

---

**Hazardous Materials**

Hazmat Involved?  FRA 20a

Hazmat Released By  FRA 20b

Hazmat Description  FRA 20c

Hazmat Quantity  FRA 20c

# Cars Carrying Hazmat

# Hazmat Cars Damaged

**"FRA ##" corresponds to the field on FORM FRA F 6180.57, which the Railroads submit to the PUCO and are input into the database**

FILE Incident Detail

Structures Inspection List Projects  
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# Incidents Tab, New Incident Button, Page 1 (Bottom Half)

**Incident Record Number (New)**

Comments

---

**Highway User/Rail Equipment Involved**

Type of Vehicle  FRA 13  
 Vehicle Speed (MPH)  FRA 14  
 Vehicle Direction  FRA 15  
 Position of Highway User  FRA 16  
 Equipment Type  FRA 17  
 Position of Car Unit in Train  FRA 18  
 Circumstance  FRA 19

---

**Hazardous Materials**

Hazmat Involved?  FRA 20a  
 Hazmat Released By  FRA 20b  
 Hazmat Description  FRA 20c  
 Hazmat Quantity  FRA 20c  
 # Cars Carrying Hazmat   
 # Hazmat Cars Damaged   
 # Cars Releasing Hazmat   
 # of People Evacuated

---

**Accident/Incident Cause**

Primary Cause (and code)    
 Secondary Cause (and code)

---

**Environmental Factors**

Temp (F)  FRA 21  
 Visibility  FRA 22  
 Weather  FRA 23

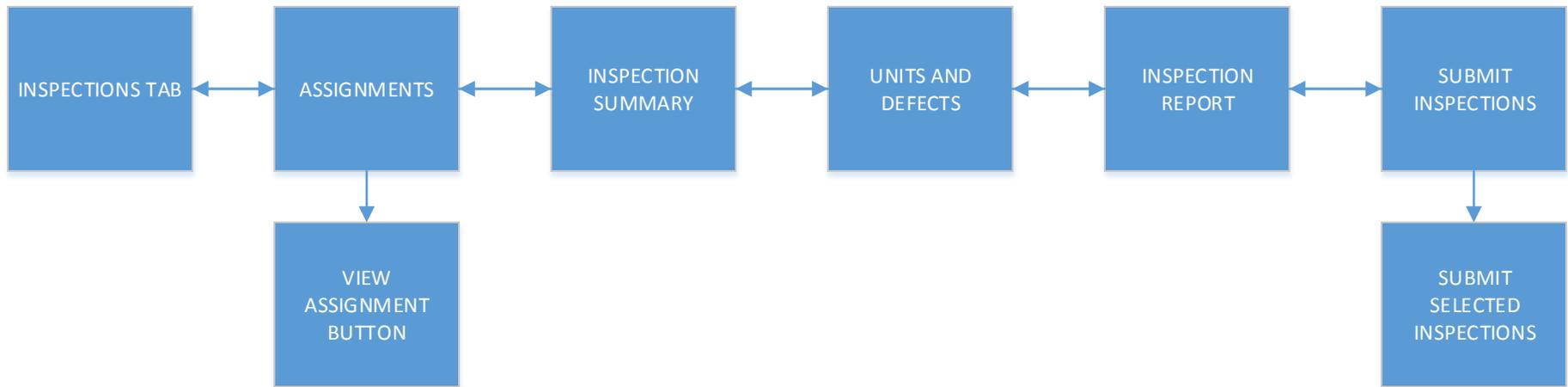
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**Detailed Accident Account**

PUCO Inspector   
 Inspection Date

**"FRA ##" corresponds to the field on FORM FRA F 6180.57, which the Railroads submit to the PUCO and are input into the database**

# Track And Structure Inspection Report program (TASIR) quick tab and button diagram



Note: Most tabs in the program have buttons that will allow for the quick viewing of certain items that would otherwise require the user to search for the item in a different tab. For example: in the VIEW ASSIGNMENT of the ASSIGNMENTS tab the user can quickly view the inspection summary that would've required the user to click the INSPECTION SUMMARY tab and find the inspection in the list. The following screenshots illustrate the button and tab relationships.

## Track And Structure Inspection Report (TASIR) main screen, Inspections Tab selected

Inspection Status  
 All Statuses  In Progress  Submitted  Reviewed  
 AARDOT Search

Inspection ID	Inspection Date	Inspector	Railroad	From Location	From County	To Location	To County	Defects Noted	Miles	Track Miles	Inspection Status
NRN-0115-000954	1/27/2016	NRN	NS	Oxbow Rd	OTT	Carroll Erie Rd	OTT	0			R
NRN-0115-000953	1/25/2016	NRN	CSX	US 6	WOO	Cygnat Rd	WOO	0			R
JEG-0020-002754	1/22/2016	JEG	CSX	DELAWARE FRANKLIN	DEL	POWELL	DEL	0	1		R
BMB-0125-000747	1/22/2016	BMB	CSX	Glendale	HAM	Springdale	HAM	0	2	0	R
BMB-0125-000746	1/22/2016	BMB	IORY	Harrison	HAM	Cincinnati	HAM	0	7	0	R
JEG-0020-002753	1/21/2016	JEG	CSX	LARUE	MAR	MARION	MAR	0	9		R
JEG-0020-002752	1/21/2016	JEG	CFE	HARDIN WYANDOT LIN	HAR	FOREST	HAR	0	2		R
JEG-0020-002751	1/21/2016	JEG	CFE	UPPER SANDUSKY	WYA		WYA	0	10		R
BMB-0125-000745	1/21/2016	BMB	NS	Somerville	BUT	New Miami	BUT	0	9	0	R
JEG-0020-002748	1/20/2016	JEG	ASRY	MANSFIELD	ASD	MANSFIELD	ASD	0	1		R
JEG-0020-002745	1/19/2016	JEG	NS	CRAWFORD SENECA	CRA	BUCYRUS	CRA	0	1		R
KAW-0105-000807	12/31/2015	KAW	IORY	SANTE FE-NEW KNOX	AUG	RIVER RD	AUG	3			R
JEG-0020-002730	12/31/2015	JEG	CSX	PIQUA	MIA	TROY	MIA	0	2		R
JEG-0020-002729	12/31/2015	JEG	CSX	CRIDERSVILLE	AUG	WAPAKONETA	AUG	0	1		R
JEG-0020-002728	12/31/2015	JEG	RJCW	ST MARYS	AUG	ST MARYS	AUG	0	1		R
JBE-0110-000961	12/31/2015	JBE	OSCR	McArthur	VIN	McArthur	VIN	0			R
KAW-0105-000806	12/30/2015	KAW	CSX	E SANDUSKY ST	HAN	CENTER ST	HAN	0			R
KAW-0105-000805	12/29/2015	KAW	CFE	N Cable Rd	ALL	N Cole St	ALL	0			R
JEG-0020-002727	12/29/2015	JEG	CSX	DELAWARE	DEL	DELAWARE EAST	DEL	0	1		R
JEG-0020-002726	12/29/2015	JEG	CSX	WORTHINGTON	DEL	POWELL	DEL	1	1		R
JEG-0020-002725	12/29/2015	JEG	CSX	EDISON	MRW	MORROW CRAWFORD	MRW	0	1		R
JEG-0020-002724	12/29/2015	JEG	CSX	GALION	CRA	GALION	CRA	0	1		R
JEG-0020-002723	12/29/2015	JEG	ASRY	MANSFIELD	RIC	MANSFIELD	RIC	0	1		R
JEG-0020-002722	12/29/2015	JEG	NS	MANSFIELD	RIC	MANSFIELD	RIC	0	1		R
JBE-0110-000960	12/29/2015	JBE	CSX	BELPRE	WAS	BELPRE	WAS	1			R
JEG-0020-002721	12/28/2015	JEG	WE	LYKENS	CRA	LYKENS	CRA	0	1		R
JEG-0020-002720	12/28/2015	JEG	NS	BELLEVUE SOUTH	SEN	FLAT ROCK	SEN	0	2		R
JEG-0020-002719	12/28/2015	JEG	CFE	BUCYRUS	CRA	BUCYRUS	CRA	0	1		R
JBE-0110-000959	12/28/2015	JBE	IORY	WILMINGTON	CLI	WILMINGTON	CLI	1			R
JBE-0110-000958	12/28/2015	JBE	IORY	WILMINGTON	CLI	WILMINGTON	CLI	1			R
JBE-0110-000957	12/28/2015	JBE	IORY	WILMINGTON	CLI	WILMINGTON	CLI	1			R
JBE-0110-000956	12/28/2015	JBE	IORY	WILMINGTON	CLI	WILMINGTON	CLI	1			R
JEG-0020-002520	12/23/2015	JEG	IORY	QUINCY	LOG	QUINCY	LOG	0	1		R
KAW-0105-000804	12/22/2015	KAW	NS	N Union St	WIL	TR 46	WIL	0			R
RAJ-0130-000594	12/21/2015	RAJ	WE	Monroe Falls Rd	SUM	Monroe Falls Rd	SUM	0	0.1		R
KAW-0105-000803	12/21/2015	KAW	RJCW	Harris Rd	MER	State Line Rd	MER	10			R
JEG-0020-002718	12/21/2015	JEG	CFE	BUCYRUS	CRA	BUCYRUS	CRA	1	1		R
JEG-0020-002717	12/21/2015	JEG	CSX	MARION EAST	MAR	MARION DOWNTOWN	MAR	0	3		R
JEG-0020-002716	12/21/2015	JEG	CSX	EDISON	MRW	EDISON NORTH	MRW	0	1		R
BMB-0125-000730	12/21/2015	BMB	IORY	Indian Hill	HAM	Loveland	HAM	1	3	0	R
BMB-0125-000729	12/21/2015	BMB	NS	Sharonville	HAM	Hamilton	HAM	0	2	0	R
KAW-0105-000802	12/18/2015	KAW	RJCW	S COPUS RD	ALL	S COPUS RD	ALL	1			R
KAW-0105-000801	12/18/2015	KAW	CFE	N Cole St	ALL	Wapakoneta Rd	ALL	0			R
JRD-0035-001900	12/18/2015	JRD	CWRO	DILLE RD	CUY	INDEPENDENCE RD	CUY	1			R
JEG-0020-002715	12/18/2015	JEG	CSX	RIDGEWAY	HAR	MT VICTORY	HAR	0	1		R

**Note:**  
 TASIR is the current means for grade crossing inspections and bridge inspection audits to be uploaded to the main database from the field inspectors. This program is used by the field inspector on their laptops to directly input inspection data, it is then sync'ed to the main database when they are in a coverage zone with their wireless "hotspots". Once both bridge and grade crossing inspections are uploaded they must go through an administrative approval process on the main in-house database before they are intergrated into the system's data. Bridge Inspection assignments are assigned from the main program to a particular inspector and they populate when the inspector sync's his/her TASIR.

# TASIR, Assignments Tab, with View Assignment Window open

Inspection ID: BMB-0125-000716 Inspector: Bendel, Brian Inspection Date: 11/23/2015 Status: Reviewed

Inspections Assignments Inspection Summary Units and Defects Inspection Report Submit Inspections

Assignment Status  
 All Statuses  Assigned  Completed

Assignment ID: PUCO-BC-021336 Assigned: 11/23/2015  
 Inspection ID: BMB-0125-000716 AARDOT:

102 of 20221

View Inspection View Assignment

PUCO Assignments									
Assignment ID	Assigned	Received	RR Structure Grade	AARDOT	Inspection ID	Completed	StatusCode	GradeCode	
PUCO-BC-021341		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021340		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021339		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021338		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021337		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021336	11/23/2015	1/28/2016	3 - Immediate Attention Required		BMB-0125-000716	11/23/2015	C	3	
PUCO-BC-021335		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021334		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021333	11/16/2015	1/28/2016	3 - Immediate Attention Required		BMB-0125-000714	11/23/2015	C	3	
PUCO-BC-021332		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021331		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021330		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021329		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021328		1/28/2016	1 - No Attention Required	852876U			C	1	
PUCO-BC-021327		1/28/2016	1 - No Attention Required				C	1	
PUCO-BC-021326		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021325		8/26/2015	1 - No Attention Required	002100L			C	1	
PUCO-BC-021324		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021323		8/26/2015	1 - No Attention Required	002092W			C	1	
PUCO-BC-021322		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021321		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021320		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021319		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021318		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021317		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021316		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021315		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021314		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021313		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021312		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021311		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021310		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021309		8/26/2015	1 - No Attention Required	002051S			C	1	
PUCO-BC-021308		8/26/2015	1 - No Attention Required	002051S			C	1	
PUCO-BC-021307		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021306		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021305		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021304		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021303		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021302		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021301		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021300		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021299		8/26/2015	1 - No Attention Required				C	1	
PUCO-BC-021298		8/26/2015	1 - No Attention Required				C	1	

**PUCO Assignment**

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**General Information**

Assignment ID	PUCO-BC-021336	Status	Completed	Date	11/23/2015
RR Structure Grade	3 - Immediate Attention Required	Reason	R - Railroad Report		
Structure Ref	OKLAHOMA	MilePost	1.5	Length	
AARDOT #		City	CINCINNATI	County	HAMILTON
PUCO Line #					
Railroad	Central Railroad of Indiana	RR Report Reference			
Division		Branch	CIND LI	RR Inspection Date	7/1/2015

Assignment Completed On: 11/23/2015 2:41:36 PM    Assignment Completion Level: 100%

Summary | General | Waterway | Track | Concrete or Steel Bridges | Trestles

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**Inspection Summary**

Inspection ID	BMB-0125-000716	Inspection Date	11/23/2015
PUCO Comments			
Bridge Type	Deck Plate Girder		
List Work Needed Immediately	No priority#1 were noted on the inspection report although thier was 3 priority#2 listed on the		
Comments	Confirmed that the Koppers Railroad Structures, Inc. bridge report dated 4/7/15 is accurate.		
Members Inspection Party	Brian M Bendel		

View Report   Cancel   Save Changes   Close Form

# TASIR, Inspection Summary Tab

Inspection ID: BMB-0125-000716 Inspector: Bendel, Brian Inspection Date: 11/23/2015 Status: Reviewed

Inspections Assignments Inspection Summary Units and Defects Inspection Report Submit Inspections

Summary

Inspection ID BMB-0125-000716	1. Inspector Bendel, Brian	2. Date Inspected 11/23/2015
7. Primary Reason for Inspection I - Inspection Request	8. Related Case Number PUCO-BC-021336	Inspector Comments:

Railroad Information Segment

3. Railroad Official Receiving Report (include title) N/A			
4. Railroad Name Central Railroad of Indiana	5. Railroad Division ML Cinn-Indpl	6a. Line or Branch Name CIND LI	6b. Line Number 21

Inspection Segment

9a. Line Miles 1	9g. Track Miles 0	9e. Records Checked 0	Units Inspected		9h. Defects Noted 0
				Crossings: 0	Bridges: 1
				Tunnels: 0	Other: 0
10a. From County HAMILTON	10b. From Location CINNINNATI		10c. Milepost 1.5		
10d. To County HAMILTON	10e. To Location CINNINNATI		10f. Milepost 1.5		

Cancel New Inspection Save View Units and Defects

## Shows the Inspection Details of the highlighted inspection from the "Inspections' tab

# TASIR, Units and Defects Tab

Inspection ID: BMB-0125-000705 Inspector: Bendel, Brian Inspection Date: 11/2/2015 Status: Reviewed

Inspections | Assignments | Inspection Summary | Units and Defects | Inspection Report | Submit Inspections

Inspection Unit

11e. Structure Type Code: X - Highway Grade Crossing  
 11f. Identification: 525264X  
 11b. Milepost: 44.5  
 11c. Track Type Code: M - Main, "thru"  
 11d. Track ID: HUNT RD

Defect Noted

12a. Defect Code: [Dropdown]  
 Sub Part: [Dropdown] Rule: [Dropdown] Sub Rule: [Dropdown]  
 Rule Description: [Text Area]  
 Additional Defect Description (Location, Comments, etc.):  
 No Defects Noted.  
 12d. Time Code: [Dropdown]

No Defects Noted Clear Code Select Defect Code

Item Number	Identification	Milepost	Structure Type	Track Type	Track ID	Sub Prt	Rule	Sub Rule	Rule Description	Additional Description	Time Code	Action	Follow-up Date	Inspection ID	Structure ID
1	525264X	44.5	X	M	HUNT RD					No Defects Noted.				BMB-0125-000705	13397
2	525263R	44.2	X	M	COOPER RD					No Defects Noted.				BMB-0125-000705	13396
3	968096T	43.9	X	I	Alliance Road	G	533	02	Crossbuck old, damaged, ru	Both Northbound and South	3			BMB-0125-000705	19374
4	968096T	43.9	X	I	Alliance Road					No Defects Noted. No ENS				BMB-0125-000705	19374
5	525262J	42.9	X	M	PFEIFFER R					No Defects Noted.				BMB-0125-000705	13458
6	525261C	42.6	X	M	KENWOOD					No Defects Noted.				BMB-0125-000705	13457
7	525260V	42.3	X	M	CREEK RD					No Defects Noted.				BMB-0125-000705	13456
8	525257M	41.6	X	M	CORNELL R					No Defects Noted.				BMB-0125-000705	13455
9	525255Y	40.7	X	M	DEERFIELD	G	520	01	Crossing surface not kept in	Rough Crossing broken road	3			BMB-0125-000705	13454
10	525255Y	40.7	X	M	DEERFIELD					No Defects Noted.				BMB-0125-000705	13454
11	525254S	40.5	X	M	KEMPER RD	G	536	00	Obstructive vegetation upon	Obstructive Vegetation locat	2			BMB-0125-000705	13453
12	525254S	40.5	X	M	KEMPER RD					No Defects Noted.				BMB-0125-000705	13453
13	525253K	40.2	X	I	SCHOOL RD	G	536	00	Obstructive vegetation upon	Obstructive Vegetation locat	2			BMB-0125-000705	13452
14	525253K	40.2	X	I	SCHOOL RD					No Defects Noted.				BMB-0125-000705	13452

# TASIR, Inspection Report Tab (after highlighting an inspection on the inspections tab, the physical report populates by selecting Inspection Report Tab

Inspection ID: BMB-0125-000705 Inspector: Bendel, Brian Inspection Date: 11/2/2015 Status: Reviewed

Inspections Assignments Inspection Summary Units and Defects Inspection Report Submit Inspections

Report Options  
 Inspection  Back Page  Blank Form  Assignment

1 / 2

Shows what the physical inspection report will resemble when printed.

Main Report  
 Go to Page



PUBLIC UTILITIES COMMISSION OF OHIO  
**RAIL DIVISION**  
 180 East Broad Street  
 Columbus, Ohio 43215-3793

## TRACK AND STRUCTURE INSPECTION REPORT

Page 1 of 2  
 BMB-0125-000705

1. Inspector Bendel, Brian		2. Date Inspected 11/2/2015		3. Railroad Official Receiving Report (include title) N/A		4. Railroad Indiana & Ohio Railway Co		5. (code) IORY		
5. Railroad Division Central		6a. Line or Branch Name Blue Ash		6b. No. 50	7. Primary Reason for Inspection <input type="checkbox"/> A Accident <input type="checkbox"/> V Clearance Variance <input type="checkbox"/> I Inspection Request <input type="checkbox"/> B Abandonment <input checked="" type="checkbox"/> X Crossing Protect. Change <input type="checkbox"/> R Routine <input type="checkbox"/> C Complaint <input type="checkbox"/> F Follow-up <input type="checkbox"/> O Other (specify)			8. Related Case No. R		
9. Inspection Summary	a. Line Miles Inspected 4.00	b. Highway Grade Crossings Inspected 10	c. Bridges Inspected 0	d. Tunnels Inspected 0	e. Records Checked 0	f. Other 0	g. Track Miles Inspected 0.00	h. Defects Noted 4		
10. Inspection Segment HAMILTON		a. From County HAMILTON		b. From Location Blue Ash		c. From Milepost 44.50	d. To County HAMILTON		e. To Location Blue Ash	f. To Milepost 40.20

11. UNITS INSPECTED						12. DEFECTS NOTED						
I T E M	b. Milepost (Main Line)	Track		Structure		a. Defect Code (4)			b. Description of Defect	c. Time Code (4)	Railroad Follow-up (5)	
		c. Type Code (1)	d. Ident.	e. Type Code (2)	f. Identification	Sub Prt	Rule	Sub Rule			d. Action	e. Date
1	44.50	M	HUNTRD	X	525264X				No Defects Noted.			
2	44.20	M	COOPER RD	X	525263R				No Defects Noted.			
3	43.90	I	Alliance Road	X	968096T	G	533	02	Crossbuck old, damaged, rusty, illegible or vandalized. Both Northbound and Southbound Crossbucks and Yield signs are old style (Buckeye Style) and needed updated with Standard Crossbucks and Yield Signs. (PHOTO TAKEN)	3		
4	43.90	I	Alliance Road	X	968096T				No Defects Noted. No ENS Sign.			
5	42.90	M	PFEIFFER RD	X	525262J				No Defects Noted.			
6	42.60	M	KENWOOD RD	X	525261C				No Defects Noted.			
7	42.30	M	CREEK RD	X	525260V				No Defects Noted.			
8	41.60	M	CORNELL RD	X	525257M				No Defects Noted.			

- |  |   |  |  |  |
|--|---|--|--|--|
| <b>(1) Track Types</b><br>I Industrial lead, spur<br>M Main, "thru"<br>S Siding<br>X Crossover, interchange, wye<br>Y Yard, terminal<br>O Other (Specify in next column) | <b>(2) Structure Types</b><br>B Bridge<br>Q Crew quarters<br>T Tunnel<br>V Clearance variance<br>X Hwy. grade crossing<br>Y Yard, terminal<br>O Other | <b>(3) Time Codes</b><br>1 Defect must be corrected within 24 hours<br>2 Defect must be corrected within 10 days<br>3 Defect must be corrected within 30 days<br>4 Correction of defect <i>scheduled</i> within 30 days. Progress reported monthly to the PUCO until correction completed. | <b>(4) Defect Codes are listed separately</b><br>X | <b>(5) Railroad Instructions are on the reverse side</b> |
|--|---|--|--|--|

Inspector (Signature) \_\_\_\_\_ Date \_\_\_\_\_

Inspection ID: BMB-0125-000705 Inspector: Bendel, Brian Inspection Date: 11/2/2015 Status: Reviewed

Inspections | Assignments | Inspection Summary | Units and Defects | Inspection Report | Submit Inspections

Submit?	Inspection ID	Inspection Date	Inspector	Railroad	From County	From Location	From Milepost	To County	To Location	To Milepost	Inspection Status
---------	---------------	-----------------	-----------	----------	-------------	---------------	---------------	-----------	-------------	-------------	-------------------

**Grade crossing and bridge inspections performed in the field and input into TASIR would que here prior to the inspector submitting them to the main office (open VPN, submit)**

Select All Clear All

Submit Selected Inspections

Refresh Database Last Refresh: Thursday, January 28, 2016 1:30 PM

# TASIR, Submit Inspections Tab, Showing Sync window

Inspection ID: <n/a> Inspector: <n/a> Inspection Date: <n/a> Status: <n/a>

Navigation tabs: Inspections | Assignments | Inspection Summary | Units and Defects | Inspection Report | Submit Inspections

Submit?	Inspection ID	Inspection Date	Inspector	Railroad	From County	From Location	From Milepost	To County	To Location	To Milepost	Inspection Status
---------	---------------	-----------------	-----------	----------	-------------	---------------	---------------	-----------	-------------	-------------	-------------------

**Synchronization Progress**

 Remote Connection Status: **Not Connected**

Synchronize Start Time (Local Time) 2/19/2016 5:28:32 PM

Inspection Transfer Required? No  
 Full Refresh Required? No  
 Code Table Data to Process? Yes  
 Inspection Data to Process? Yes

Inspection Transfer: Not Required  
 Code Table Processing: Completed  
 Inspection Data Processing: Completed  
 Post-processing Tasks: In Progress ...

Synchronize End Time (Local Time):

Performing Final Processing Tasks ... Progress: 95%

Select All Clear All

Submit Selected Inspections

Refresh Database Last Refresh: Thursday, January 28, 2016 1:30 PM



**RAIL DIVISION**

180 East Broad Street  
Columbus, Ohio 43215-3793

**TRACK AND STRUCTURE INSPECTION REPORT**

**JEG-0020-002755**

1. Inspector <b>Gibson, Jerry</b>		2. Date Inspected <b>1/28/2016</b>		3. Railroad Official Receiving Report (include title) <b>DUSTIN HINTON, ROADMASTER</b>			4. Railroad <b>CSX Transportation, Inc.</b>			(code) <b>CSX</b>		
5. Railroad Division <b>GREAT LAKES</b>		6a. Line or Branch Name <b>MT VICTORY</b>		6b. No. <b>004</b>	7. Primary Reason for Inspection A Accident      V Clearance Variance      I Inspection Request B Abandonment    X Crossing Protect. Change    R Routine C Complaint      F Follow-up                      O Other (specify) <b>C</b>				8. Related Case No. <b>ORDC</b>			
9. Inspection Summary	a. Line Miles Inspected <b>1.00</b>	b. Highway Grade Crossings Inspected <b>1</b>		c. Bridges Inspected <b>0</b>	d. Tunnels Inspected <b>0</b>	e. Records Checked	f. Other <b>0</b>	g. Track Miles Inspected	h. Defects Noted <b>1</b>			
10. Inspection Segment	a. From County <b>CRAWFORD</b>		b. From Location <b>GALION</b>		c. From Milepost <b>80.12</b>	d. To County <b>CRAWFORD</b>		e. To Location <b>GALION</b>		f. To Milepost <b>80.12</b>		
<b>11. UNITS INSPECTED</b>						<b>12. DEFECTS NOTED</b>						
I T E M	b. Milepost (Main Line)	Track		Structure		a. Defect Code (4)			b. Description of Defect	c. Time Code (4)	Railroad Follow-up (5)	
		c. Type Code (1)	d. Ident.	e. Type Code (2)	f. Identification	Sub Prt	Rule	Sub Rule			d. Action	e. Date
1	80.12	M	ATWOOD ST	X	518429B	G	533	01	Crossbuck missing for one or both directions of traffic. NO PASSIVE WARNING DEVICES, CROSSBUCKS, YEILD OR STOP SIGNS IN EITHER QUADRANT. ALSO NO ENSS FRA 234 DEFECT. CROSSING SURFACE ON MAINLINE HAS BEEN REMOVED AND ROAD CLOSED SIGNS PRESENT.	1		

**(1) Track Types**

- I Industrial lead, spur
- M Main, "thru"
- S Siding
- X Crossover, interchange, wye
- Y Yard, terminal
- O Other (Specify in next column)

**(2) Structure Types**

- B Bridge
- Q Crew quarters
- T Tunnel
- V Clearance variance
- X Hwy. grade crossing
- Y Yard, terminal
- O Other

**(3) Time Codes**

- 1 Defect must be corrected within 24 hours
- 2 Defect must be corrected within 10 days
- 3 Defect must be corrected within 30 days
- 4 Correction of defect *scheduled* within 30 days. Progress reported monthly to the PUCO until correction completed.

**(4) Defect Codes are listed separately**

**(5) Railroad Instructions are on the reverse side**

**X**

Inspector (Signature)

Date



Bridge Inspection Assignment and Report

PUCO-BC-021504

Line out any items that do not apply. Describe unusual conditions in comments.

General Information							
Assigned:	Gibson, Jerry		Reason for inspection assignment:	Railroad Report		Date:	
Railroad:	Northern Ohio & Western Railway		Division:			Subdivision:	
Line No:	11		Bridge No.:	46.77		MilePost: 46.77	
Bridge Type:			Length:			County: SENECA	
Road:			Stream:			City: TIFFIN	
Inspection Observations							
General			General Condition of bridge			T&S Report Number (Form 750-1):	
Are foundations settling?	Yes	No	<b>Concrete or Steel Bridges</b>	Good	Fair	List work needed immediately:	
Are foundations tilting?	Yes	No	Girder No. Spans				
Any bad scouring?	Yes	No	Truss No. Spans				
Any crib walks needed?	Yes	No	Concrete	Arch	Box		Other
Walkways and hand rails OK?	Yes	No	Masonry Soundness Joints	Good	Fair		Poor
Floor planks adequate?	Yes	No	Ties and guard rails	Good	Fair		Poor
Any loose concrete overhead?	Yes	No	Steel viaduct towers	Good	Fair		Poor
Any unusual movements under bridge?	Yes	No	Timber Towers	Good	Fair		Poor
			Bearing Timbers	Good	Fair		Poor
			Anchor bolts & expansion	Good	Fair		Poor
Waterway						Comments:	
Is opening free of obstruction?	Yes	No	Girders and truss members	Good	Fair		Poor
Any serious bank erosion?	Yes	No	Rivets and bolts	Good	Fair		Poor
Any drift cleaning needed?	Yes	No	Pins, pinholes and nuts	Good	Fair		Poor
Any weed removal needed?	Yes	No	Laterals and cross frames	Good	Fair		Poor
Any pipelines or conduits? Gas?	Yes	No	Floor beam construction	Good	Fair		Poor
Any highway under bridge?	Yes	No	<b>Trestles</b>				
Any stock passages under bridge?	Yes	No	Timber No. Panels	Good	Fair		Poor
Is this a road/wagon bridge?	Yes	No	Concrete No. Panels	Good	Fair		Poor
			Ties and timber guard rails	Good	Fair		Poor
Track						Members Inspection Party:	
Surfaces on approaches good?	Yes	No	Stringers, beams or slacs	Good	Fair		Poor
Alignment of approaches good?	Yes	No	Caps, bents and sills	Good	Fair		Poor
Surfaces on bridge good?	Yes	No	Pilling and posts	Good	Fair		Poor
Alignment of bridge good?	Yes	No	Braces and sashes	Good	Fair		Poor
Any inside steel guard rail?	Yes	No	Bolts and fastenings	Good	Fair		Poor
Ballast retainers high enough?	Yes	No					
Is superelevation adequate?	Yes	No					
Is rail anchored on bridge?	Yes	No					
Welded rail on bridge?	Yes	No					

Signature \_\_\_\_\_  
Date: \_\_\_\_\_

# **Track and Structure Inspection Reporting (TASIR) Application**

## *Administrator's Guide*

December 5, 2005

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## ***Installing TASIR***

The following section provides instructions for installing and configuring the TASIR application on an Inspectors' Machine (or other TASIR User).

### *Installation Requirements:*

- Operating System: Windows XP
- Microsoft Data Access Components (MDAC) 2.6 or higher
- Microsoft .NET Framework 1.1

**Note:** As of December 5<sup>th</sup>, 2005, most Inspector machines met the installation requirements. However, it is strongly recommended that the MDAC version and .NET Framework be verified on an inspector machine before TASIR is installed.

### *To Verify the MDAC Version:*

1. From the Desktop, click **Start/Run....**, enter **regedit**, then click **OK**. The Registry Editor will appear.
2. In the Registry Editor, go to **My Computer/ HKEY\_LOCAL\_MACHINE/ Software/ Microsoft/ DataAccess**.
3. Within this directory is the **FullInstallVer** key. The value of this key **MUST** be greater than 2.6. If it is not, TASIR cannot be installed until the MDAC library is upgraded on the Users' Machine.

### *To Verify the .NET Framework:*

1. From the Desktop, click **Start/Settings/Control Panel**. The Control Panel will appear.
2. In the Control Panel, double-click **Add/Remove Programs**. The currently installed program list will appear.
3. Search the currently installed program list for Microsoft .NET Framework 1.1. If it exists, the .NET Framework is installed, and it is now possible to install TASIR.

The basic steps to install and configure TASIR are:

- Install TASIR
- Configure TASIR for the remote connection **ONLY**, and then run the refresh process to retrieve codes and Inspector information.
- Configure TASIR for a specific Inspector, and then run the refresh process again to retrieve Inspector data.

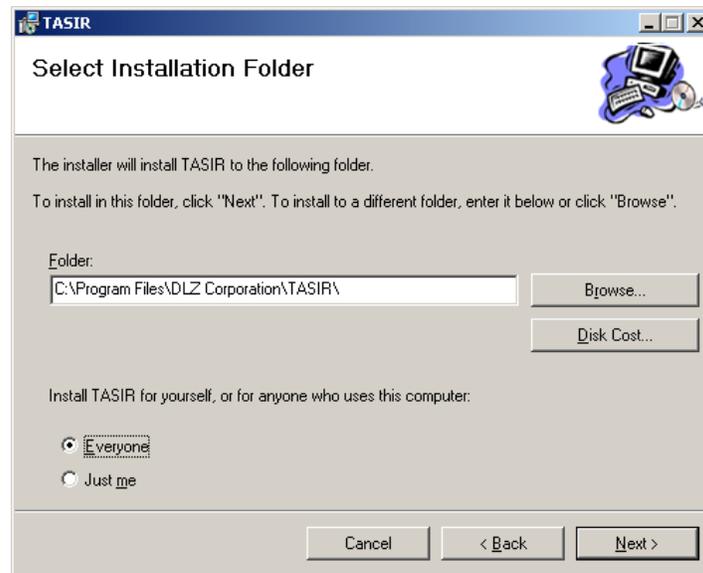
To continue installing TASIR, follow the instructions on the next page.

### TASIR Installation Steps:

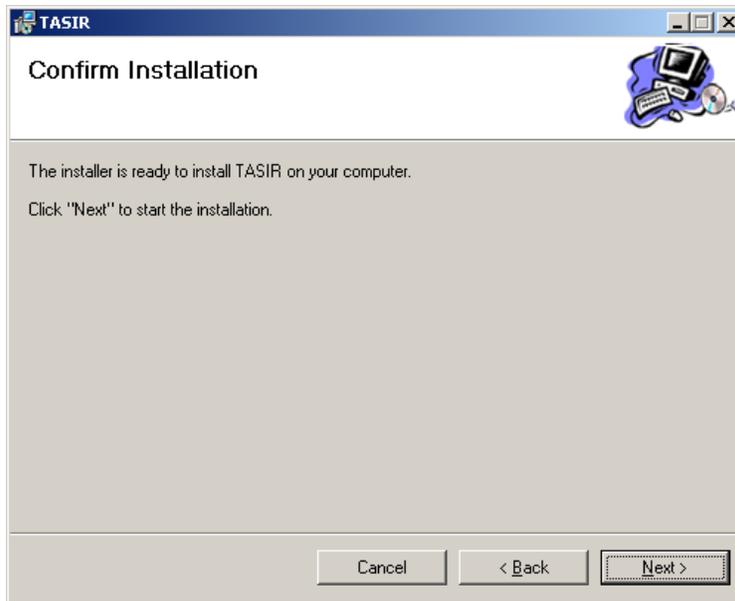
1. Insert the TASIR Installation CD into the target machine.
2. Open the file **TASIRSetup.msi**. (For TASIR 1.1, this file is located in the "TASIR 1.1 Setup" folder on the Installation CD.). The following screen will appear:



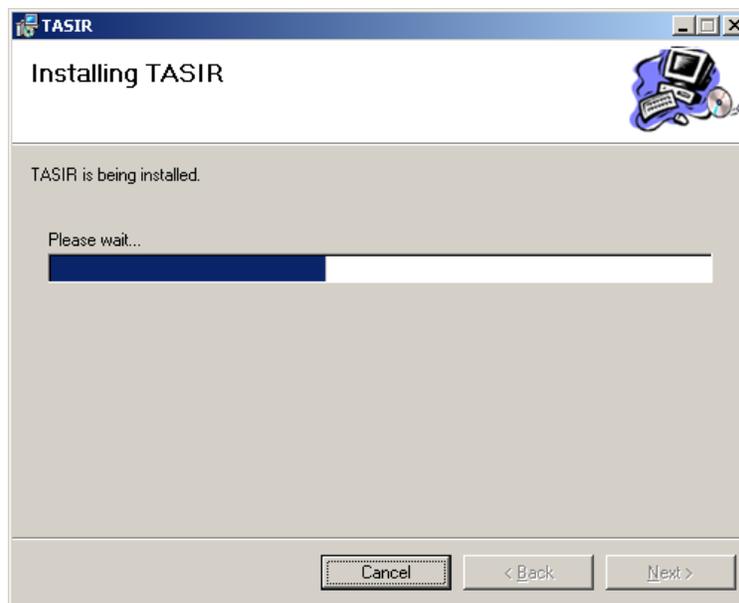
3. Click Next to continue. The **Select Installation Folder** window will appear:



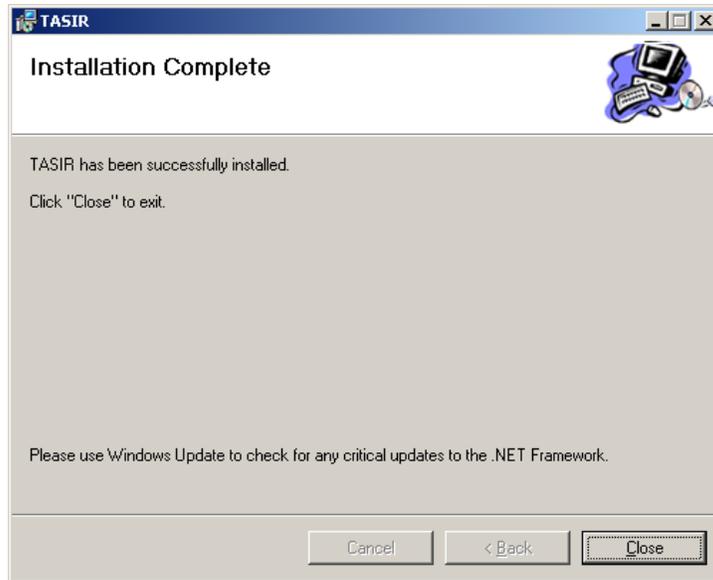
4. On the Select Installation Folder window, select the **Everyone** radio button. Then click **Next**.



5. Click **Next** to Confirm the Installation. The installation progress window will appear:



6. After a few minutes, the **Installation Complete** window will appear:



7. Click **Close** to complete the Installation.

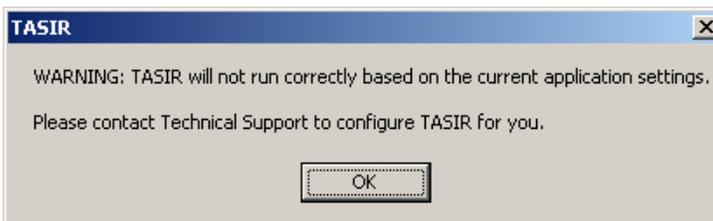
*Configuring TASIR for an Inspector (First-time install):*

Once TASIR has been installed, it must be configured for a specific inspector. To configure TASIR, **ensure the Inspector is logged in to the PUCO**, and follow these steps:

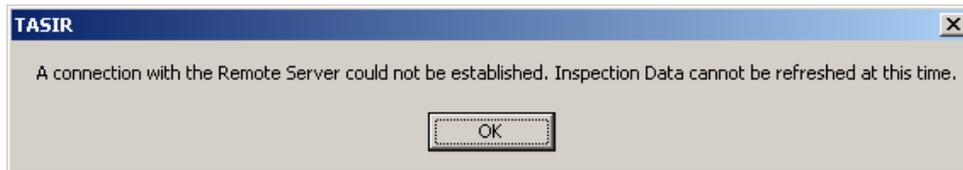
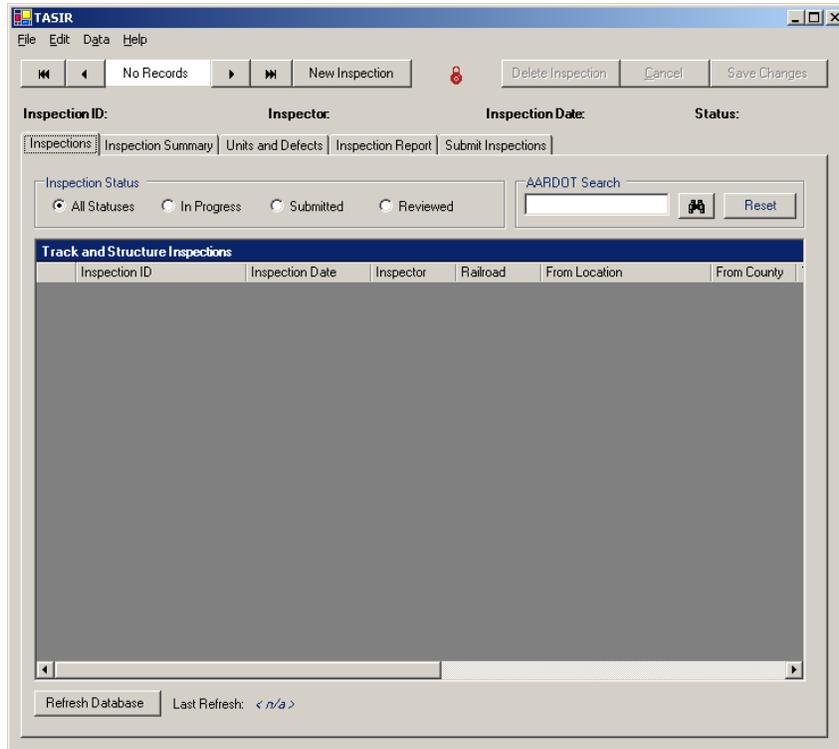
1. From the Desktop Shortcut or Programs Menu, launch TASIR. The following Splash window will appear:



2. Because this is the first time that TASIR is run on the Users' machine, you will receive a warning that TASIR will not run correctly based on the current application settings. Click **OK** to continue.



- The TASIR main window will appear, as well as a message that the connection with the remote server cannot be established. This is normal at this stage of the configuration. Click **OK** to continue.



- From the **File** menu on the TASIR main window, select **Application Settings/Connection Settings ....** You will be prompted for an administrator password.



- At this point, the password is not loaded. Click **OK** WITHOUT entering a password.

6. The TASIR application settings window will appear:

WARNING: By changing these values, you are changing the System Defaults used by the TASIR Application. Before making changes, please consult a System Administrator - or have the System Administrator make changes for you.

Remote Access Configuration

Remote SQL Server:

Remote Database:

Windows Authentication

SQL Server Authentication

Username:

Password:

Security Role

Security Role:

Inspector

Inspector Name:

Machine Code

Machine Code:

Cancel Update Settings Close Form

7. On the Application Settings window, enter ONLY the information within the Remote Access Configuration Data pane.

WARNING: By changing these values, you are changing the System Defaults used by the TASIR Application. Before making changes, please consult a System Administrator - or have the System Administrator make changes for you.

Remote Access Configuration

Remote SQL Server:

Remote Database:

Windows Authentication

SQL Server Authentication

Username:

Password:

Security Role

Security Role:

Inspector

Inspector Name:

Machine Code

Machine Code:

Cancel Update Settings Close Form

NOTE:

Remote SQL Server: **data2000**

Remote Database: **dbmRRIS**

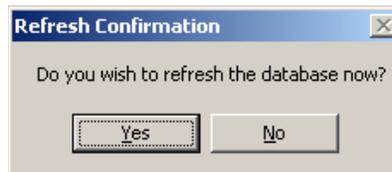
SQL Server Authentication must be **checked**.

For Username and Password, please obtain the information from the TASIR Database Administrator.

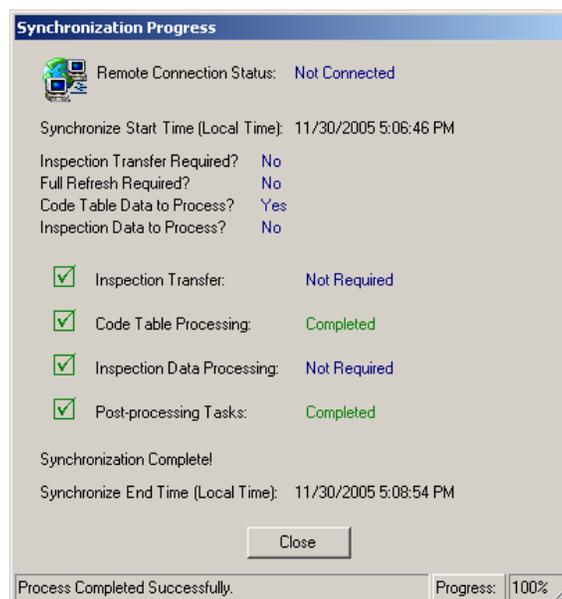
8. Once you have entered the connection information, click **Update Settings**. You will receive a warning message that New Inspections cannot be created, and that application settings have been updated.



9. Click OK to each of the messages, and then click the **Close Form** button. The TASIR main window should be displayed.
10. On the TASIR Main window, click the Refresh Database button. If the remote connection is correct, you will receive a confirmation window (displayed below). If the connection settings are not correct, you will receive an error message, and must follow steps 4 through 8 until the confirmation prompt appears.



11. Click Yes on the Confirmation Prompt. TASIR will begin the initial refresh process, and display the Synchronization Progress window (an example is shown below).



12. When the Refresh process is finished (typically 2 – 3 minutes on a network connection), the **Close** button will be displayed. The status bar will display **Process Completed Successfully**.
13. Click the Close button on the Synchronization Progress window. The TASIR main window should be displayed.
14. On the TASIR main window, go to **File/Application Settings/Connection Settings ....** Once again, you will be prompted for an Administrator Password. (NOTE: The password is “swordfish” (all lower caps). It is strongly recommended that Inspectors do not know this password.)
15. Enter the password in the field on the **Enter System Password** window, and then click the **OK** button. The Application Settings window will appear.
16. Enter the Security Role, Inspector Name, and Machine Code in the application settings window.

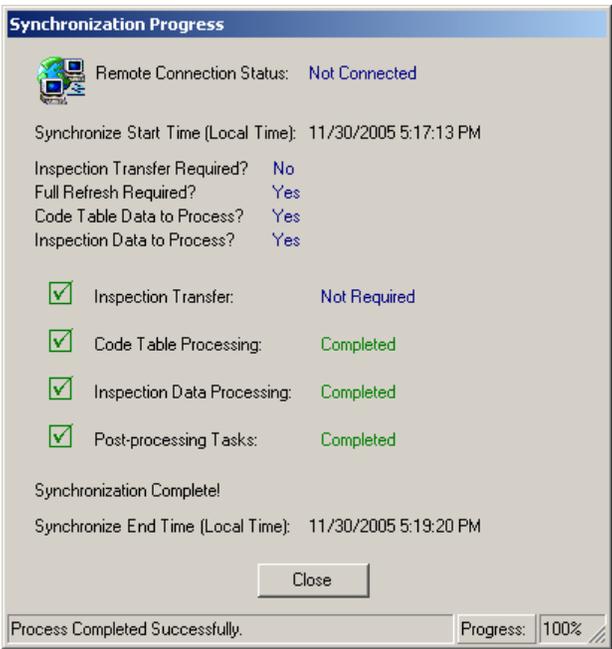
NOTE:

Security Role (for ALL inspectors): **Inspector**

Inspector Name: The name of the inspector using TASIR on this machine.

Machine Code: Per **Appendix A**, which can be found at the end of this document.

17. Once the Inspector information is entered, click the **Update Settings** button. This time, you should receive a message stating that application settings have been updated. However, you should no longer see any warning messages.
18. Click the **Close Form** button on the application settings window.
19. On the TASIR Main Window, click the **Refresh Database** button.
20. Click **Yes** on the confirmation prompt. TASIR will begin the final refresh process, and display the Synchronization Progress window (an example is shown on the following page).
21. When the process completes (typically 2 – 3 minutes on a network connection), click **Close** on the Synchronization Progress Window. The installation and configuration of TASIR is now complete.



## Appendix A: Inspector Machine Codes

<b>Inspector</b>	<b>Machine Code</b>
Bolbach, Melinda	0025
Coates, Donald	0030
Dunn, Joseph	0035
Gibson, Jerry	0020
Horner, Steven	0040
Johnson, Will	0005
Patterson, Rand	0015
Reustle, Robert	0045
Sandridge, Gary	0010
Simpson, Larry	0050
Tarentelli, Anthony	0055
White, Jeffery	0060
Zurfley, Shawn	0065

# Track and Structure Inspection Reporting (TASIR) Application

## *User Guide*

December 5, 2005

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# Introduction

## Overview

Welcome to the Track And Structure Inspection Reporting (TASIR) application!

The primary purpose of the TASIR application is to allow Inspectors to electronically create and submit Track And Structure Inspection Reports (Form PUC 750-1). TASIR replaces the need for Inspectors to rely solely on standard mail service when submitting inspections to the PUCO.

By Design, TASIR allows an Inspector to create and/or edit inspections even if they are not logged in to the PUCO, or connected to the Internet. This gives the Inspector the flexibility to create or update inspections from the inspection site, at home, or any other desired location.

The TASIR application is capable of automatically detecting a connection to the PUCO. When the connection is available, an Inspector will be able to submit and receive inspections electronically.

The TASIR application also provides features that make it easier for an Inspector to create and edit an inspection – as opposed to the current manual process.

This User Guide provides the basic information that you need to:

- Understand the process of how Inspections are created and processed using the TASIR application.
- Understand the concept and process of refreshing inspection data.
- Create and/or Edit Inspections.
- View, Print, and Export Track and Structure Inspection Reports.
- Electronically Submit Inspections to the PUCO.

## Features

The TASIR application provides the following features for an Inspector:

- Electronic Submission of Track and Structure Inspection Reports directly to the PUCO
- Electronic Submission of Inspection Reports to Railroads (via the Report Export Feature)
- Inspections can be created and/or changed without the need for an Inspector to be logged in to the PUCO, or connected to the Internet.
- Enhanced search capability of previously entered inspections.
- Enhanced inspection entry and editing.

## The Inspection Process

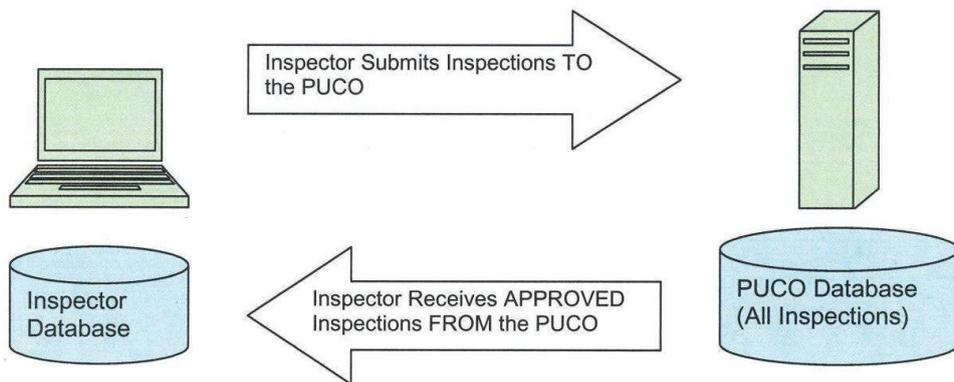
With the advent of the TASIR application, Inspectors need to be aware of the overall process of how inspections are created, submitted to the PUCO, approved, and then received from the PUCO.

Essentially, the inspections that are created by an Inspector are stored locally on their machines. The PUCO will not be aware that inspections were created until the Inspector submits them using TASIR (the inspection submission process will be detailed later in this guide).

Once the inspections are submitted, the PUCO will review, make changes (if required), and approve the submitted inspections.

When an electronic connection to the PUCO is available, TASIR will check for approved inspections, and then load the approved inspections into the Inspectors' local database. In other words, TASIR will update the previously submitted inspection with the approved inspection.

From this point, the Inspector has the option to send the approved report as an e-mail attachment to the railroad - or print and mail the inspection report instead.

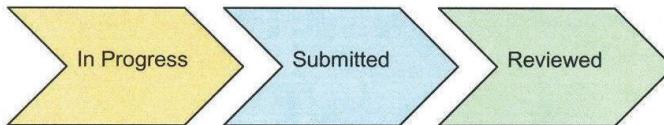


**Figure 1. The Inspection Process**

1. The Inspector creates and/or updates an inspection on their machines.
2. The inspector uses TASIR to electronically submit an inspection (or inspections) directly to the PUCO.
3. The PUCO reviews and approves the inspection(s).
4. The Inspector receives the approved inspection(s).
5. The Inspector forwards the approved inspections to the Railroad.

## Inspection Status Codes

Inspection Status Codes tell an Inspector or PUCO Reviewer where a given inspection is in the approval process. The three status codes are: In Progress, Submitted, and Reviewed.



**Figure 2. Inspection Status Codes**

The status codes are defined as follows:

- **In Progress**
  - The Inspector has created the inspection, but it has not been submitted to the PUCO.
  - When an inspection is In Progress, an inspector can update or delete information as desired.
- **Submitted**
  - The Inspector has electronically submitted the inspection to the PUCO.
  - NOTE: Once an inspection is submitted, the Inspector can no longer change it.
- **Reviewed**
  - The inspection has been changed (if required) and approved by the PUCO.
  - As with the Submitted status, an Inspector cannot change a Reviewed inspection.

## Security Roles

The TASIR application is used either by Inspectors or PUCO Reviewers. TASIR provides certain capabilities (and limits some features) based on the role of the person using the application. The distinction between the roles are listed below:

- **Inspector**
  - An Inspector can create, edit, and submit inspections
  - An Inspector can ONLY view inspections they have created – they cannot view inspections created by other Inspectors.
- **Reviewer**
  - A Reviewer has read-only access to ALL inspections.
  - The Reviewer primarily uses to TASIR to review and print inspections.

## The TASIR Application

The design of the TASIR application was based on a few key factors:

- Entering information for the inspections should follow (as closely as possible) the same sequence as the actual Track and Structure Inspection Report (Form PUC 750-1).
- The application should give Inspectors the ability to quickly create and/or edit inspections.
- The application should give Inspectors the ability to easily search for inspections.

The application is divided into Tabs. Each Tab focuses on one key aspect of the TASIR application - searching, entering inspections, viewing/printing reports, and submitting reports. The following sections provide a brief overview of the purpose and key features of each Tab.

### Inspections Tab

Record Index and Navigation

Search by Inspection Status

Search by AARDOT Number

Grid columns can be sorted in Ascending or Descending order.

Download updates from the PUCO

Inspection ID	Inspection Date	Inspector	Railroad	From Location	From County
JQP-0050-000005	11/30/2005	JQP	NS	Columbus	FRA
JQP-0050-000004	11/30/2005	JQP	CUOH	Columbus	FRA
JQP-0050-000003	11/30/2005	JQP	CUOH	Columbus	FRA
JQP-0050-000002	11/30/2005	JQP	NS	Columbus	FRA
JQP-0050-000001	11/30/2005	JQP	CSX	Columbus	FRA

Figure 3. The Inspections Tab

The Inspections Tab allows Users to:

- Browse the inspection database

- Check the status of each inspection record
- Search inspections by AARDOT Number
- Show the list of an Inspectors' In Progress, Submitted, and Reviewed Inspections

The primary purposes of this Tab are for record navigation and/or searches. Once an inspector has navigated to the desired inspection, he/she can go to the Inspections Summary, Units and Defects, or Reports Tab for the inspection details.

## Inspection Summary Tab

Inspection ID and Inspector are Automatically generated for new inspections.

Easy to use drop-down lists are available for most items on the Tab.

Inspection Unit Counts are automatically generated.

Figure 4. The Inspection Summary Tab

The Inspection Summary Tab is the form for entering the high-level inspection data for an inspection.

This form automatically generates a unique inspection ID when creating new inspections.

The form also automatically calculates and displays inspection item type counts.

## Units and Defects Tab

AARDOT Numbers verified during save of record.

Easy to use drop-down lists are available for most items on the Tab.

Navigation bar and record index for Inspection Items.

Inspection Unit

11f. AARDOT # 11b. Milepost 11e. Structure Type Code 11c. Track Type Code 11d. Track ID

X1111111 107.45 X - Highway Grade Crossing M - Main, "thru"

Defect Noted

12a. Defect Code Sub Part Rule Sub Rule Rule Description

Additional Defect Description (Location, Comments, etc.)

No Defects Noted.

12d. Time Code

2 of 2

Delete Inspection Item Add New Inspection Unit

Item Number	AARDOT #	Milepost	Structure Type	Track Type	Track ID	Sub Part	Rule	Sub F
1	B1111111	105.35	B			H	423	00
2	X1111111	107.45	X	M				

Figure 5. The Units and Defects Tab

The Units and Defects Tab allow users to input detailed line items for an inspection.

- Crossing AARDOT Numbers are automatically checked against the latest crossing information from the PUCO.
- The process of selecting the appropriate defect is essentially point-and-click.
  - An Inspector no longer needs to use the defect code manual to enter defect codes.
  - The Defect Sub Part, Rule, Sub Rule, and Rule Description are automatically entered once the defect code is selected.
  - An Inspector has the option to provide additional comments if required.

## Reports Tab

Clicking this icon prints the inspection report.

Clicking this icon exports the inspection report.

Inspection ID: JQP-0050-000001 Inspector: Public, John Q. Inspection Date: 11/30/2005 Status: In Progress

Inspections | Inspection Summary | Units and Defects | **Inspection Report** | Submit Inspections

Report Options  
 Inspection Report  Back Page  Blank Report Form

Public Utilities Commission of Ohio  
**RAIL DIVISION**  
 180 East Broad Street  
 Columbus, Ohio 43215-3793

**TRACK AND STRUCTURE INSPECTION**

1. Inspector Public, John Q.	2. Date Inspected 11/30/2005	3. Railroad Official Receiving Report (include title) Joe Official	4. R
5. Railroad Division Division 1	6a. Line or Branch Name Branch 1	6b. No. 1	7. Primary Reason for Inspection <input type="checkbox"/> Accident <input type="checkbox"/> Abandonment <input type="checkbox"/> Complaint <input checked="" type="checkbox"/> Clearance Variance <input checked="" type="checkbox"/> Crossing Protect. <input type="checkbox"/> Follow-up
9. Inspection Summary a. Line Miles Inspected 10.00	b. Highway Grade Crossings Inspected 1	c. Bridges Inspected 1	d. Tunnels Inspected 0 e. Records Checked
10. Inspection Segment a. From County FRANKLIN	b. From Location Columbus	c. From Milepost 100.00	d. To County

11. UNITS INSPECTED						12. DEFECTS			
I T E M	b. Milepost (Main Line)	Track		Structure		a. Defect Code (4)			
		c. Type Code (1)	d. Ident.	e. Type Code (2)	f. Identification	Sub Pnt	Rule	Sub Rule	
									b. Description of Defect

Current Page No: 1 | Total Page No: 1 | Zoom Factor: 100%

Figure 6. The Inspection Report Tab

The Inspection Report Tab automatically generates a completed report.

- It allows users to print an inspection report, the report back page, or a blank inspection report.
- Reports can be exported (and then e-mailed as attachments) as an Adobe Acrobat PDF file, Microsoft Word, Excel, and other formats. (Note: The best format is as an Adobe PDF file)

## Submit Inspections Tab

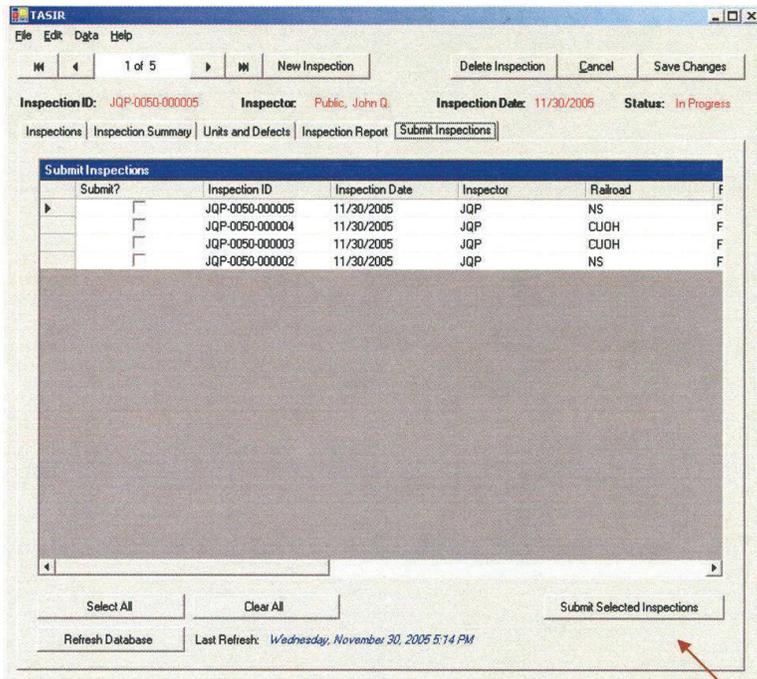


Figure 7. The Submit Inspections Tab

Click this button to submit selected inspections.

The Submit Inspections Tab allows users to select specific items to transfer.

When a remote connection is available, an Inspector can submit inspections directly to the PUCO.

## Using TASIR

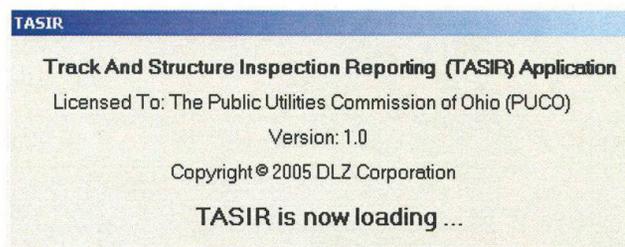
TASIR is primarily used for:

- Searching, navigating, and reviewing inspections
- Creating and updating inspections
- Submitting Inspections
- Refreshing TASIR with the latest data from the PUCO

The following sections describe how an Inspector can use TASIR for each of these functions.

### *Starting the Application*

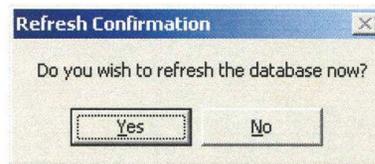
To start TASIR, double-click the **TASIR** shortcut (located on the machine Desktop), or go to **Start/Programs**. Click **TASIR** in the Program list. You should see the following window:



**Figure 8. The TASIR Splash Window**

After a few seconds, the TASIR application will appear, displaying the Inspections Tab.

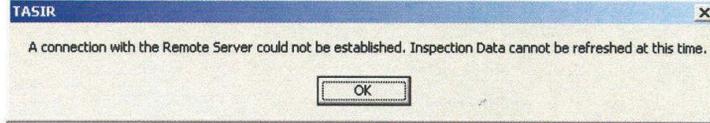
NOTE: When TASIR is loaded, it tries to determine if a connection to the PUCO is available. If it is, you will see the following prompt:



**Figure 9. The Refresh Confirmation Prompt**

If you would like to check for PUCO updates, click **Yes** to download the latest PUCO data. Click **No** to cancel the process and begin using the application.

If a connection to the PUCO is NOT available, you will see this message:



**Figure 10. PUCO Connection Warning**

NOTE: Although you do not have a connection to the PUCO, you can still create and modify inspections. You can also view, print, and export inspection reports.

If you receive the connection warning shown in Figure 10, click **OK** to continue using the application.

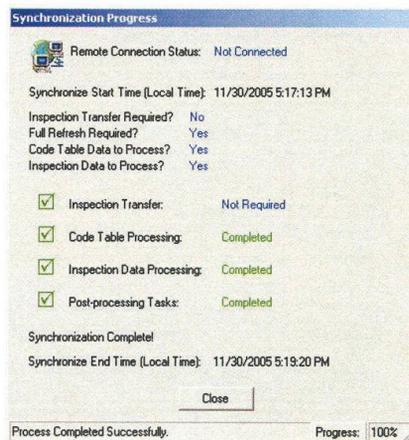
## ***Refreshing Inspection Data***

When a connection to the PUCO is available, inspection data can be refreshed in one of a few ways:

- During application startup
- By clicking the **Refresh Database** button on either the Inspections or Submit Inspections Tabs.
- Using the **Data/Refresh Database** option on the TASIR main menu.

*To Refresh Inspection Data:*

1. Initiate the refresh process using any of the methods listed above, you will be prompted with the window shown in Figure 9.
2. Click **Yes** to begin the refresh process. You will be shown a window that resembles the one listed in Figure 11 (below).



**Figure 11. The Refresh Process Window**

3. Unlike the window listed in Figure 11 (which shows a completed process), the window you see will be updated as each task completes. Please be patient while the refresh process updates your inspection data.

NOTE: A typical refresh process takes anywhere from two to five minutes to complete.

4. When the process completes, the **Close** button will appear on the form. Click **Close** to complete the process.
5. The Refresh Process window should close without errors, and you can begin to use TASIR.

## Navigating Records

Record Navigation is accomplished primarily using the Inspection Navigation Bar, located in the upper left-hand corner of the TASIR main form (and also shown in Figure 12 below).

Move to the First Inspection Record

Move to the Previous Inspection Record

Move to the Next Inspection Record

Move to the Last Inspection Record

Current Inspection labels display current inspection. The labels are visible no matter which Tab is selected.

Clears AARDOT Search entry, reloads inspection records without filter.

Inspection Status Radio Buttons. Clicking each radio button displays only the inspections that match the selected status.

AARDOT Search Button. After making an entry in the AARDOT search field, click the AARDOT Search button to filter records by matching AARDOT number.

Inspection ID	Inspection Date	Inspector	Railroad	From Location	From County
JQP-0050-000005	11/30/2005	JQP	NS	Columbus	FRA
JQP-0050-000004	11/30/2005	JQP	CUOH	Columbus	FRA
JQP-0050-000003	11/30/2005	JQP	CUOH	Columbus	FRA
JQP-0050-000002	11/30/2005	JQP	NS	Columbus	FRA
JQP-0050-000001	11/30/2005	JQP	CSX	Columbus	FRA

Refresh Database    Last Refresh: Wednesday, November 30, 2005 5:14 PM

Figure 12. Main Navigation and Search Controls

### *To Navigate Inspection Records:*

To navigate inspection records, you can:

- Use the Inspection Navigation Bar to move to the First, Previous, Next, or Last record.
- Use the Inspections Grid located on the Inspections Tab.

### *To Filter Inspection Records by Status:*

Use the Inspection Status Radio buttons to select all inspections (regardless of status), In Progress, Submitted, or Reviewed inspections.

### *To Search by AARDOT Number:*

1. You can enter either a complete or partial AARDOT number in the **AARDOT Search Field**.
2. Click the **AARDOT Search** button (as shown in Figure 12). The inspections that remain will have items that match the entered AARDOT Search value.
3. To reset the search, click the **Reset** button (as shown in Figure 12).

## ***Inspections***

### **Creating a New Inspection**

To create a new inspection, you can either:

- Click the **New Inspection** button located next to the Inspection Navigation Bar.
  - Go to **File/New Inspection** using the TASIR main menu.
1. Use either of the methods listed above to create a new inspection. You will be taken to the Inspections Summary Tab. The Inspection ID, Inspector Name, and Inspection Date will automatically be populated.

NOTE: You can change the Inspection Date if you wish.

2. Begin entering data on the Inspection Summary Tab as you would if you were completing Form PUC 750-1 (Track And Structure Inspection Report).

NOTE: There are two data entry rules for the Inspection Summary Tab. They are:

- If "Complaint" is entered as the **Inspection Reason**, a **Related Case Number** must be entered.
- **Line Number** must be a numeric value.

The screenshot shows the TASIR application window with the 'Summary' tab selected. The form contains the following data and options:

- Inspection ID:** JQP-0050-000001
- Inspector:** Public, John Q.
- Inspection Date:** 11/30/2005
- Status:** <new>
- Primary Reason for Inspection:** I - Inspection Request (selected from a dropdown menu)
- Related Case Number:** (empty)
- Inspector Comments:** (empty)
- Railroad Information Segment:**
  - 3. Railroad Official Receiving Report (include title):** Joe Official
  - 4. Railroad Name:** CSX Transportation, Inc.
  - 5. Railroad Division:** Division 1
  - 6a. Line or Branch Name:** Branch 1
  - 6b. Line Number:** 1
- Inspection Segment:**
  - 9a. Line Miles:** 10
  - 9g. Track Miles:** 10
  - 9e. Records Checked:** (empty)
  - Units Inspected:** Crossings: 1, Bridges: 1, Tunnels: 0, Other: 0
  - 9h. Defects Noted:** 1
  - 10a. From County:** FRANKLIN
  - 10b. From Location:** Columbus
  - 10c. Milepost:** 100
  - 10d. To County:** (empty)
  - 10e. To Location:** Wothington
  - 10f. Milepost:** 110

Figure 13. Entering data for a New Inspection

3. Enter the desired information on the Summary Tab, and then click the Units and Defects Tab. You will be prompted to save changes.
4. Click **Yes** to save changes, and move to the Units and Defects Tab.

The screenshot shows the TASIR application window with the 'Summary' tab selected. The form contains the following data and options:

- Inspection ID:** JQP-0050-000001
- Inspector:** Public, John Q.
- Inspection Date:** 11/30/2005
- Status:** In Progress
- Primary Reason for Inspection:** I - Inspection Request
- Related Case Number:** (empty)
- Inspector Comments:** (empty)
- Railroad Information Segment:**
  - 3. Railroad Official Receiving Report (include title):** Joe Official
  - 4. Railroad Name:** CSX Transportation, Inc.
  - 5. Railroad Division:** Division 1
  - 6a. Line or Branch Name:** Branch 1
  - 6b. Line Number:** 1
- Inspection Segment:**
  - 9a. Line Miles:** 10
  - 9g. Track Miles:** 10
  - 9e. Records Checked:** (empty)
  - Units Inspected:** Crossings: 1, Bridges: 1, Tunnels: 0, Other: 0
  - 9h. Defects Noted:** 1
  - 10a. From County:** FRANKLIN
  - 10b. From Location:** Columbus
  - 10c. Milepost:** 100
  - 10d. To County:** (empty)
  - 10e. To Location:** Wothington
  - 10f. Milepost:** 110

Figure 14. A Sample Inspection – Summary Tab

Figure 15. Inspection Item Entry

5. Enter the Inspection Unit information as you would for the Form PUC 750-1.

NOTE: There is only one data entry rule for Inspection Items:

- A structure Type code OR a Track Type code must be entered.

NOTE: If the Structure Type Code is "Highway Grade Crossing", TASIR will check the entered AARDOT number against the latest Crossing data. If a match is NOT found, the Inspector will be warned that the crossing was not found, but TASIR WILL save the entry.

6. If the Item has a defect, select a Sub Part code from the dropdown list (labeled **12a. Defect Code**). Once the Sub Part code is selected, the Rule list is populated with ONLY the Rules, Sub Rules, and descriptions that correspond to the selected Sub Part code.
7. Select the appropriate defect code by either double-clicking on the desired record OR by clicking the **Select Defect Code** button.
8. Once the desired code is selected, the Sub Part, Rule, Sub Rule, and Defect Description fields are automatically populated (As shown in Figure 16).
9. If you need to remove the Defect entry, click the **Clear Code** button, which resets all codes.
10. If additional defect descriptions, comments are required, enter the appropriate description in the Additional Defect Description Field.
11. When you are completed with your Inspection and Item(s) entry, click the **Save Changes** button.
12. To add another entry, click the **Add New Inspection Unit** button.

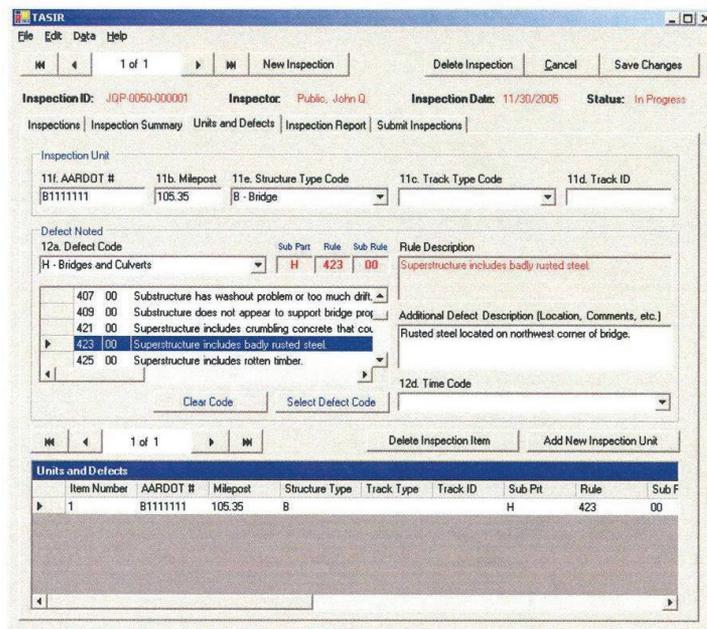


Figure 16. Sample Inspection Unit Entry

## Updating Inspections

*To Update an Existing Inspection:*

1. Navigate to the desired inspection.
2. Go to the Summary Tab. The inspection summary information will be displayed.
3. Update the summary information as required.
4. Click the **Save Changes** button.
5. If you need to modify items for the inspection, go to the Units and Defects Tab.
6. Use the Items Navigation bar (located just above and to the left of the Items Grid) to navigate to the desired item.
7. The item information will be displayed on the Units and Defects Tab. Make changes to the Item as required, then click **Save Changes**.

## Deleting Inspections

*To Delete an Existing Inspection:*

1. Navigate to the desired inspection.
2. Click the **Delete Inspection** button. You will be asked if you wish to delete the inspection and ALL of its inspection units.

3. Click **Yes** to delete the inspection, or **No** to keep the inspection.

## Deleting Inspection Units

To Delete an Inspection Item:

1. Navigate to the desired inspection.
2. Go to the Units and Defects Tab.
3. Navigate to the item you wish to delete.
4. Click the **Delete Inspection Item** button. You will be asked if you wish to delete **ONLY** the inspection item, and **NOT** the entire inspection.
5. Click **Yes** to delete the item, and **No** keep the item.

## Reports

Viewing, printing, and exporting reports are accomplished using the Inspection Report Tab.

Print Button. Clicking this icon prints the inspection report.

Export Button. Clicking this icon exports the inspection report.

Report Options Panel. Determines which report is displayed and printed.

The screenshot shows the TASIR software interface. At the top, there is a menu bar with 'File', 'Edit', 'Data', and 'Help'. Below the menu bar is a toolbar with various icons, including a printer icon (labeled 'Print Button') and an export icon (labeled 'Export Button'). The main window displays the 'Inspection Report' tab. The report form includes the following fields:

- Inspector: Public, John Q.
- Inspection Date: 11/30/2005
- Status: In Progress
- Report Options:  Inspection Report,  Back Page,  Blank Report Form

The main report area is divided into two sections: 'UNITS INSPECTED' and 'DEFECTS'.

UNITS INSPECTED					DEFECTS				
I T E M	b. Milepost (Main Line)	Track		Structure		a. Defect: Code (4)			b. Description of Defect
		c. Type Code (1)	d. Ident.	e. Type Code (2)	f. Identification	Sub Pnt	Rule	Sub Rule	
	10.00		1		1				

At the bottom of the window, it shows 'Current Page No: 1', 'Total Page No: 1', and 'Zoom Factor: 100%'.

Figure 17. Inspection Report Controls

## Viewing Reports

To view a report, use the Report Options Panel to select either the inspection report, report back page, or blank report form.

## Printing Reports

You can print a report by either clicking the **Print Button** icon on the Inspection Report Tab, or by using the **File/Print Inspection...** options from the Main Menu.

*To Print a Formal Inspection Report:*

1. Navigate to the desired inspection.
2. Go to the Inspection Report Tab. The desired report should be displayed.
3. Select **Back Page**. The report back page should be displayed.
4. Click the Print Button Icon. The print dialog box should be displayed.
5. Change the number of printed pages from 1 to the number of pages in the desired report.
6. Click **OK**. The back page(s) should print successfully.
7. Load the Back Pages into your printer, taking care to properly align them for report printing.
8. Select **Inspection Report**. The inspection report is displayed.
9. Click the Print Button Icon. The print dialog box should be displayed.
10. Click **OK** to print the report.

## Exporting/E-Mailing Reports

Using the Inspection Report Tab, an inspection report can be exported into a variety of formats. The exported file can then be sent as an e-mail attachment to the railroad, PUCO, or other responsible person or organization.

The following instructions explain how to export a report into an Adobe PDF format:

1. Navigate to the desired inspection.
2. Go to the Inspection Report Tab. The desired report should be displayed.
3. Click the Export Button Icon. The export dialog box should be displayed.

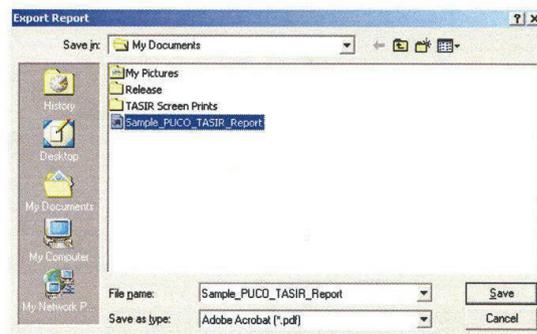


Figure 18. The Report Export Dialog Box

4. Enter an appropriate filename in the **File name** field.
5. Ensure that **Adobe Acrobat (\*.pdf)** is selected in the **Save as type** dropdown list.
6. Click **Save**. The report has been exported to the specified directory.

## Submitting Inspections

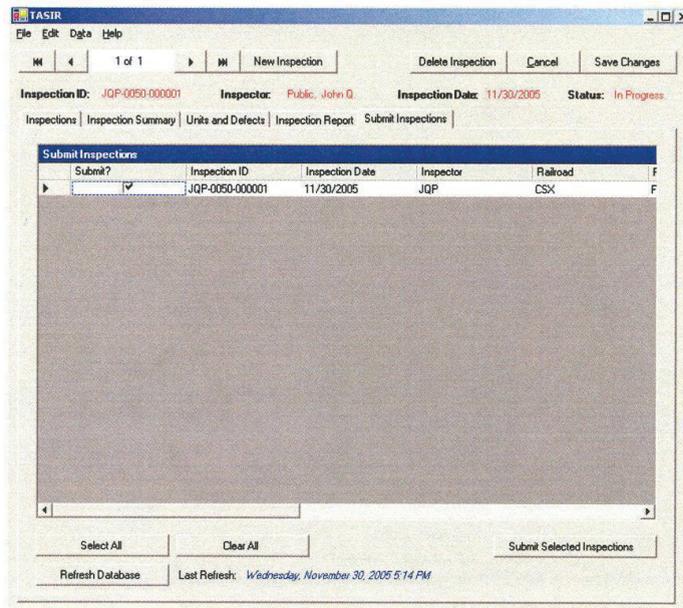
When a connection to the PUCO is available (i.e., when an Inspector is logged in to the PUCO), an Inspector can submit completed inspections.

### To Submit One or More Inspections:

1. Go to the Submit Inspections Tab. All **In Progress** inspections should be displayed.
2. Select each desired inspection by clicking the appropriate checkbox in the **Submit?** Column. A checkmark should appear in the checkbox.

NOTE: To unselect an inspection, click the checkbox again. The existing checkmark should disappear.

NOTE: You can use the Select All/ Clear All buttons to select all inspections or clear all selections, respectively.



**Figure 19. A Selected Inspection**

3. Once you have selected the inspections to be submitted, click the **Submit Selected Inspections** button. You will be asked if you wish to submit your inspections.

4. Click **Yes** to submit inspections, or **No** to cancel.
5. If you clicked Yes, TASIR will begin checking the inspections for warnings.

NOTE: TASIR checks each inspection for any inspection that:

- Does not have a valid AARDOT number
  - Has a missing AARDOT number
  - Has a defect count that does not match the expected defect count of the inspection.
6. For each inspection that is submitted, you may receive warning messages. You will have the option to continue submitting the inspection (by clicking Yes), or cancel sending the inspection to make changes (by clicking No).
  7. The submission process typically takes 10 – 30 seconds. When the inspections are submitted to the PUCO. You will receive a message stating that the Transfer was successful.
  8. Once the inspections are submitted, the inspections will be changed to the **Submitted** status, and will no longer appear on the Submit Inspections Tab.

## TASIR 2.0 Quick Guide

### *Introduction*

Railroad companies operating facilities in the State of Ohio generally perform an inspection of all their railroad bridges each year. The Railroads are required to submit reports of the inspections to the PUCO. Once a report is received, the PUCO may assign an Inspector to visit the site depending on the condition of the bridge. With the current process, the PUCO receives paper forms and stores each report in a file cabinet. The shortfall of this process is in answering the following questions:

1. Of all the bridges in the state, which ones were not listed in a report submitted in the last 12 months?
2. Have all the bridges marked as "Needs Immediate Attention" by the Railroad had a follow-up visit by a PUCO inspector? If so, when did they visit the site?

TASIR 2.0 includes a new "Bridge Compliance" section for monitoring bridge inspection reports received by the railroads. Office staff at the PUCO will process the Railroad reports by entering the data into RRIS. If a particular report calls for a follow-up action, the staff can create an "Assignment" to send it to a select Inspector. TASIR 2.0 will download the Assignment and enable the Inspector to complete it- all without any paper forms!

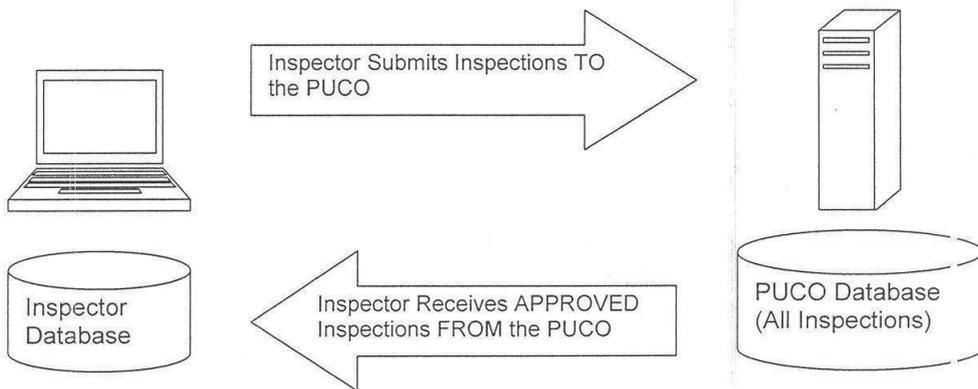
### *Features*

The TASIR 2.0 application provides the following new features for an Inspector:

- Electronic Submission of Bridge Inspection Assignments to the PUCO
- Enhanced "Structure Look-up" form to easily select bridges in the database
- Ability to print out Bridge Inspection Assignment forms, similar to the TS report

## The Bridge Compliance Process

The Bridge Compliance process is slightly different from the typical Inspection submission. TASIR 1.0 had the following process flow for completing inspections:



**Figure 1. The Inspection Process**

1. The Inspector creates and/or updates an inspection on their machines.
2. The inspector uses TASIR to electronically submit an inspection (or inspections) directly to the PUCO.
3. The PUCO reviews and approves the inspection(s).
4. The Inspector receives the approved inspection(s).
5. The Inspector forwards the approved inspections to the Railroad.

The Inspection process continues to work as it did in TASIR 1.0. With TASIR 2.0, the PUCO office staff has the ability to “assign” structures that must be inspected in response to a railroad report. The process works as follows:

1. The PUCO receives a bridge report from a Railroad company.
2. If the report notes that “attention is required immediately”, the PUCO office staff will assign the bridge to an inspector in that geographical area.
3. During the TASIR sync, the Assignment will be downloaded for the assigned Inspector.
4. The Inspector completes the Assignment form.
5. The Inspector completes the Inspection (TS-750) for the assigned bridge.
6. The inspector uses TASIR to electronically submit the Inspection (with the Assignment).
7. The PUCO reviews and approves the Inspection(s) and Assignments(s).
8. The Inspector receives the approved Inspection(s) and Assignments(s).

## Viewing Assignments

TASIR 2.0 includes a new "Assignments" tab that displays all active and completed assignments. Clicking on the "View Inspection" button will jump to the Inspection tab with the linked inspection as the current record. Clicking on the "View Assignment" button will display the Assignment form.

The screenshot shows the TASIR application window. At the top, there is a menu bar with 'File', 'Edit', 'Data', and 'Help'. Below the menu bar is a toolbar with navigation buttons (back, forward, home, end) and buttons for 'New Inspection', 'Delete Inspection', 'Cancel', and 'Save Changes'. The main area displays inspection details: 'Inspection ID: DLZ-9999-000020', 'Inspector: User, Test', 'Inspection Date: 2/13/2008', and 'Status: Reviewed'. Below this is a tabbed interface with 'Assignments' selected. The 'Assignments' tab shows 'Assignment Status' (All Statuses, Assigned, Completed), 'Assignment ID: PUCO-BC-000043', 'Assigned: 2/25/2008', and 'Inspection ID: DLZ-9999-000023'. A 'View Inspection' button is visible. Below the tabs is a table titled 'PUCO Assignments' with the following data:

Assignment ID	Assigned	Received	RR Structure Grade	AARDOT	Inspection ID
PUCO-BC-000043	2/25/2008	2/25/2008	3 - Immediate Attention Required		DLZ-9999-00002
PUCO-BC-000040	2/20/2008	2/25/2008	3 - Immediate Attention Required		DLZ-9999-00002
PUCO-BC-000038	2/13/2008	2/25/2008	3 - Immediate Attention Required	T-15496	DLZ-9999-00001
PUCO-BC-000037	2/13/2008	2/25/2008	3 - Immediate Attention Required	T-15411	DLZ-9999-00001
PUCO-BC-000036	2/13/2008	2/25/2008	3 - Immediate Attention Required	T-15122	DLZ-9999-00001
PUCO-BC-000035	2/12/2008	2/25/2008	3 - Immediate Attention Required	T-14719	DLZ-9999-00001
PUCO-BC-000034	2/10/2008	2/25/2008	3 - Immediate Attention Required	141705E	DLZ-9999-00001
PUCO-BC-000033	2/13/2008	2/25/2008	3 - Immediate Attention Required	141943K	DLZ-9999-00001
PUCO-BC-000030	1/14/2008	2/25/2008	3 - Immediate Attention Required	228608R	DLZ-9999-00001
PUCO-BC-000029	1/14/2008	2/25/2008	3 - Immediate Attention Required	T-14555	DLZ-9999-00001
PUCO-BC-000028	1/14/2008	2/25/2008	3 - Immediate Attention Required	T-14714	DLZ-9999-00000
PUCO-BC-000027	1/13/2008	2/25/2008	3 - Immediate Attention Required	142141B	DLZ-9999-00000
PUCO-BC-000026	1/13/2008	2/25/2008	3 - Immediate Attention Required	141945L	DLZ-9999-00000
PUCO-BC-000025	1/13/2008	2/25/2008	3 - Immediate Attention Required	T-14712	DLZ-9999-00000
PUCO-BC-000024	1/13/2008	2/25/2008	3 - Immediate Attention Required	T-14585	DLZ-9999-00000
PUCO-BC-000023	1/13/2008	2/25/2008	3 - Immediate Attention Required	T-14582	DLZ-9999-00000
PUCO-BC-000022	1/13/2008	2/25/2008	3 - Immediate Attention Required	T-14535	DLZ-9999-00000
PUCO-BC-000021	1/13/2008	2/25/2008	3 - Immediate Attention Required		DLZ-9999-00000

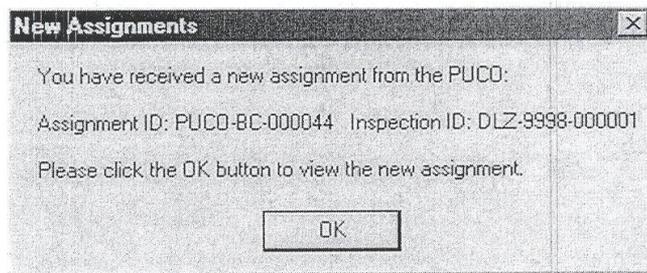
At the bottom of the window, there is a 'Refresh Database' button and a 'Last Refresh' timestamp: 'Monday, February 25, 2008 9:43 PM'.

Figure 2: The Assignments tab.

Each Assignment has a unique code associated with the record. Assignment codes begin with "PUCO-BC-000001" and increment as new Assignments are created. Each Assignment is linked with a TS report number. Note that the Assignment codes do not contain Inspector initials as they may initially be created without an assigned Inspector.

## ***Processing Assignments***

When an Assignment is received, the following dialog will be displayed:



**Figure 3. New Assignment notification.**

TASIR will automatically create a new Inspection record upon receiving an assignment. The Inspection will be pre-populated with the appropriate structure and linked to the Assignment record.

## ***Completing Assignments***

There are two (2) distinct steps to completing an Assignment. The Assignment form (Figure 4) and the Inspection linked to the Assignment must be completed. Either one can be completed partially or completely until the Inspection is submitted.

Step 1: Complete the Assignment

To view the Assignment form for a particular Assignment, click the "View Assignment" button (as shown in Figure 2) on the Assignments tab.

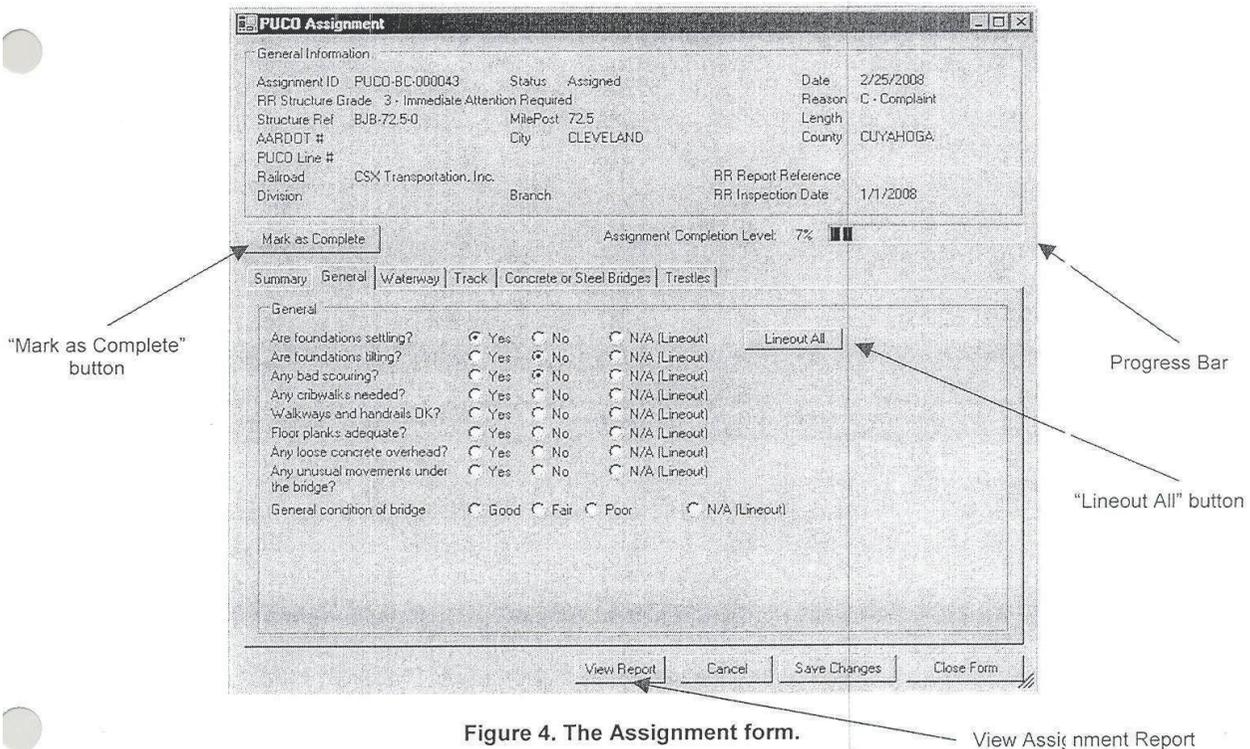


Figure 4. The Assignment form.

View Assignment Report

The Assignment form has six (6) different tabs of items to complete. Since each inspection may require only a subset of the available options, not all the items are required to be completed. It is suggested that the "N/A (Lineout)" button is used to indicate where an item does not apply to the structure.

To assist with the completion of the form, the "Assignment Completion Level" progress bar will gradually fill up to 100% as all of the form items are completed. Assignments can be saved without being completed, allowing the Inspector to return to the form at a later time.

**To complete an Assignment, the "Mark as Complete" button must be clicked to indicate the assignment is complete.** A paper form of the Assignment can be printed by clicking on the "View Report" button.

Step 2: Complete the Inspection

Each Assignment has an associated TS report and Inspection record. To complete the Inspection, click on the "View Inspection" button on the Assignments tab (shown in Figure 2). The Inspection is already partially completed with the assigned structure and other fields.

## Using the Structure Look-up Form

With TASIR 2.0 structure records can be identified by a US DOT (AAR DOT) number, a milepost, or some other type of identification. Since many bridges do not have a US DOT number, the Inspector must locate the bridge in the database. This is relatively easy as the Inspector can search by several fields including:

- Milepost
- County
- City
- Railroad Operating Company
- US DOT

It is recommended that the Inspector first choose the County and the Railroad Operating Company. Using these two criteria will narrow the list of records to a manageable size.

In the rare cases where a bridge is not in the database, simply click the "Not in Database" button. The Inspection and Assignment can still be submitted to the PUCO office and will be corrected by the office staff.

**Criteria Fields**

Milepost:   
 County:   
 City:   
 Railroad:   
 AARDOT#:

Buttons: Clear All, Select, Cancel, Not In Database

**Detailed Structure Information**

Selected Crossing:   
 AARDOT:   
 Structure Ref: CD-1-0  
 NLF ID:   
 Milepost: 1  
 County: FRANKLIN  
 City: COLUMBUS  
 Highway:   
 Street:   
 Railroad: CSX Transportation, Inc.  
 Railroad Division:   
 Railroad Subdivision:   
 Line:   
 Map Reference:   
 Latitude:   
 Longitude:

**Sorted Structure List**

Milepost	AARDOT#	Structure Ref	County	City	Railroad	Railroad
1		CD-1-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
1.1		CD-1.1-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
1.2		CD-1.2-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
1.9		CD-1.9-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
2.1		CD-2.1-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
2.3		CD-2.3-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
3.4		CD-3.4-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
3.5		CD-3.5-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
4.33	228633Y	CD-4.33-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
5.1		CD-5.1-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	
5.5		CD-5.5-0	FRANKLIN	COLUMBUS	CSX Transportation, Inc.	

**"Not in Database" button**

Figure 5. Structure Lookup Form

## Printing Assignments

The Assignment form can be printed either by clicking on the "View Report" button on the Assignment form (Figure 4) or by switching to the "Inspection Report" tab.

Current Inspection Record

Assignment Selection Radio Button

Figure 6. Inspection Report tab.

To view the Assignment report, click on the "Assignment" radio button in the top right corner of the tab.

Please note that not all of the Inspection records have an associated Assignment. It is important to look at the top left of the tab to ensure the appropriate Inspection is the current record.

## Additional Help

For additional questions, please contact:

Ram Rajadhyaksha  
 DLZ Corporation  
 Telephone: 614 638 3070  
 E-mail: ramr@dlz.com

## **U.S. Department of Transportation Accident Prediction Model**

The U.S. DOT Accident Prediction Model is an accident prediction model that was developed in the mid-1970s to support a comprehensive grade crossing project selection process known as the *Rail-Highway Crossing Resource Allocation Procedure* [Farr, 1987]. The purpose of the resource allocation procedure was to assist State DOTs and railroads in determining effective allocations of Federal funds for rail-highway grade crossing improvements. The U.S. DOT Accident Prediction Model is used by 19 states, including Ohio, to support hazard ranking for project selection. The basic structure of the U.S. DOT Accident Prediction Model includes the following components:

- A mathematical formula which generates a preliminary estimate of the annual frequency of crashes at a grade crossing based on the characteristics of the roadway, highway traffic, and railroad traffic at the crossing;
- Adjustment to the preliminary estimate based on the crash history at the crossing; and
- Additional mathematical formulas to predict the probability of a crash resulting in an injury or a fatality, given that a crash has occurred at the crossing.

Table 1 shows the basic structure of the U.S. DOT Accident Prediction Model formula. A normalizing constant is included in the model to calibrate the model output based on national trends in grade crossing crashes. This constant is updated on a regular basis, with the last update occurring in May 2014. Table 2 describes the calculation procedures for the various factors contributing to the initial estimate of the prediction of the number of collisions per year as well as the normalizing constants for May 2014 and the previous update, October 2010.

**Table 1: U.S. DOT Accident Prediction Model Formula**

Type:	Accident Prediction Model
Formula:	$a = K * EI * MT * DT * HP * MS * HL$ $B = \frac{T_0}{T_0+T}(a) + \frac{T_0}{T_0+T}\left(\frac{N}{T}\right)$ $A = B * C$
Variables:	
a:	Initial Prediction, Collisions per Year at the Crossing
K:	Formula Constant (see Table 2)
EI:	Factor for Exposure Index (see Table 2)
MT:	Factor for Number of Main Tracks (see Table 2)
DT:	Factor for Number of Daytime Trains (see Table 2)
HP:	Factor for Highway Paved (see Table 2)
MS:	Factor for Maximum Timetable Speed (see Table 2)
HL:	Factor for Number of Highway Lanes (see Table 2)
B:	Collisions per Year at the Crossing, Adjusted for Crash History
T <sub>0</sub> :	Formula Weighting Factor = $\frac{1.0}{(0.05+a)}$
T:	Number of Years of Crash History
N:	Number of Crashes in T Years at Crossing
A:	Final Prediction, Collisions per Year at the Crossing
C:	Normalizing Constant (see table 2)
Source: Federal Railroad Administration [2014]	

**Table 2: U.S. DOT Accident Prediction Model Factors**

Crossing Type:	Passive	Flashing Lights	Gates
K:	0.0006938	0.0003351	0.0005745
EI:	$\left[\frac{(EI)+0.2}{0.2}\right]^{0.37}$	$\left[\frac{(EI)+0.2}{0.2}\right]^{0.4106}$	$\left[\frac{(EI)+0.2}{0.2}\right]^{0.2942}$
MT:	1.00	$e^{0.1917*MT}$	$e^{0.1512*MT}$
DT:	$\left[\frac{(DT)+0.2}{0.2}\right]^{0.1781}$	$\left[\frac{(DT)+0.2}{0.2}\right]^{0.1131}$	$\left[\frac{(DT)+0.2}{0.2}\right]^{0.1781}$
HP:	$e^{-0.5966*(PAVED-1)}$	1.00	1.00
MS:	$e^{0.0077*MS}$	1.00	1.00
HL:	1.00	$e^{0.1826*(LANES-1)}$	$e^{0.142*(LANES-1)}$
C (2014):	0.5086	0.3106	0.4846
C (2010):	0.6768	0.4605	0.6039
EI:	Exposure = AADT * Total Trains per Day		
DT:	Number of Daylight Thru Trains per Day at Crossing		
MT:	Number of Main Tracks at Crossing		
PAVED:	Dummy Variable = 1 if Highway Paved, 2 Otherwise		
MS:	Maximum Train Speed at Crossing		
LANES:	Number of Highway Lanes at Crossing		
C:	Normalizing Constants for May 2014 and October 2010		
Source: Federal Railroad Administration [2014]			