

# DOT Crossing Inventory Program

Federal Crossing Regulations Update  
*Crossing Inventory Requirements,  
Emergency Notification Signs,  
and Reflectorized Tape*

Pennsylvania Rail Freight Seminar  
Harrisburg, Pennsylvania  
May 19, 2011

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**Federal Railroad Administration**  
**Office of Safety**

# REFLECTORIZED STRIPS ON CROSSBUCKS

MUTCD Deadline for installation was Jan 17, 2011

(Requirements established in January 2000 and given 10 yrs to comply)

2 inch White Retroreflective Material placed on:

- Crossbuck Posts – full length to within 2 feet of ground, on front & back side of posts, at all passive crossings where crossbuck signs are installed
- Back of All Crossbuck Blades – full length
- Exceptions: Back to Back Xbucks; One Way Streets; YIELD/STOP Signs on the same post.

# REFLECTORIZED STRIPS ON CROSSBUCKS

- Compliance with the MUTCD is the responsibility of the State.
- Contact the State to determine how they want to proceed. They can contract with the Railroads for time & materials to install the reflectorized strips.
- Caution: Once installed, the striping will be part of the Crossbuck Assembly and thus the responsibility of the Railroad to maintain.

# Rail Safety Improvement Act of 2008 (RSIA 2008)

Public Law 110-432 - Oct. 16, 2008

- Section 201 – Pedestrian Crossing Safety
- Section 202 – State Action Plans
- Section 203 – Improve Sight Distance at Grade Crossings
- **Section 204 – National Crossing Inventory**
- **Section 205 – Telephone Number to Report Crossing Problems**
- Section 206 – Operation Lifesaver
- Section 207 – Federal Grants to States for Crossing Safety
- Section 208 – Trespasser Prevention
- Section 209 – Accident and Incident Reporting
- Section 210 – Introduce New Technology to Improve Safety

# RSIA 2008 - Section 205

## Telephone Number to Report Grade Crossing Problems (ENS)

- Requires Implementation of an Emergency Notification System by **all Railroads** for the public to report crossing problems.
- Signs need to be installed at **all grade crossings** on rights-of-way with **phone number of the dispatching railroad**.
- Covers **all at-grade crossings**, Public, Private and Pedestrian (Pathway).
- Rulemaking Authority is granted to FRA.

NPRM issued March 4, 2011. Comment period closed on May 3, 2011.

# RSIA 2008 - Section 205

## ENS System Requirements

- A Toll-Free Telephone Number (or local number);
- A System to receive problem reports, identify the location, contact appropriate officials, correct the problem, and log the information;
- A complete and current Inventory of all Crossings;
- Install Signs at each (at-grade) crossing, on both sides, with the following information;
  - Initials or Name of the Operating Railroad (not in the Law)
  - Explanation of the purpose of the Sign
  - Toll-Free Telephone Number to the Dispatching Railroad
  - DOT Crossing Inventory Number for the Location

# RSIA 2008 - Section 205

## ENS Types of Reports Received

“The Dispatching Railroad is to directly receive calls reporting the problem.”

- Malfunctions of crossing warning devices,
- Disabled vehicles blocking railroad tracks,
- Obstructions for a reasonable distance in either direction that is blocking the view of an approaching train,
- Any other safety related information involving such grade crossings.



# RSIA 2008 - Section 205

## ENS Requires Handling of Reported Problems

The Railroads, upon receiving Reports of malfunctioning signals or disabled vehicles, are required to:

- Immediately contact approaching trains to warn them of the impending problem;
- Contact appropriate local safety officials to provide information if their assistance is needed;
- Investigate in a timely manner, reports of unsafe conditions or obstructions, and appropriately correct the safety problems.



# RSIA 2008 - Section 205

## ENS Rulemaking and Waivers

- Nothing is Final – the Rulemaking (NPRM) has started, Comment period closed May 3, 2011
- Current Goal for the Final Rule is Fall 2011;
- FRA will waive the requirement for a Toll-Free Telephone Number for non-Class I Railroads – i.e., they can use a Local Telephone Number;
- All Railroads will be required to implement an ENS System at ALL at-grade Crossings.

# RSIA 2008 - Section 205 ENS Current Sign Design



# Installed “SEDA-COG” ENS Signs

Public Crossing

Private Crossing





LOOK

**NS** NORFOLK SOUTHERN  
TO REPORT STALLED VEHICLE BLOCKING  
CROSSING OR OTHER EMERGENCY  
CALL 1-800-946-4744  
LOCATED AT \_\_\_\_\_

Can someone  
do something  
so that train  
wouldn't blow  
the (his) horn  
so  
LOUD!

**WAR**  
UNDERGROUND  
BEFORE DIGGING IN  
NORFOLK SOUTHERN  
(404) 521-...

# SEDA-COG Crossing Emergency Notification System Project

Proposed by: SEDA-COG Joint Rail Authority  
and  
North Shore Railroad and Affiliated Companies

In Partnership with:  
State of Pennsylvania  
Federal Railroad Administration  
Clinton County 911 Communication Center

*An Exciting Opportunity to Improve Safety thru Partnership*

# SEDA-COG Data Analysis

## Types of Reported Problems

46	Signal Problems	62%
8	Vehicle on Track	11%
7	Obstructions	9%
5	Rough Crossing	7%
4	Accident	6%
1	Train Blocking Crossing	1%
1	Fire	1%
1	Trash on Tracks	1%
1	Wires on Tracks	1%
1	Other	1%

**75** *Total Calls for 1 Year*

# RSIA 2008 - Section 204

## DOT Crossing Inventory Program

**New Mandatory Requirements of the Rail  
Safety Improvement Act of 2008**



# RSIA 2008 - Section 204

- Requires RAILROADS and STATES to update the National File on a Regular Basis – annually by Sept 30th.
- All Current “*Policies, Procedures, & Instructions*” apply and are to be enforced.  
see <http://www.fra.dot.gov/us/content/801>  
or <http://www.fra.dot.gov/Pages/801.shtml>
- Rulemaking Authority is granted to FRA to implement and modify the requirements of Sec. 204.
- Title 23, Section 130, is revised to require States to comply with provisions of the RSIA for all Public Crossings (both at-grade and grade-separated), and for Pathway Crossings.

# RSIA 2008 Important Requirements

## All are Required NOW

- **October 16, 2009** – MUST Inventory any New or previously Unreported Crossings. All crossings must have a DOT Crossing Inventory Number.
- **April 16, 2010** – MUST report all Change of Ownership for lines Sold or Transferred, and all Closed crossings. All crossings must be in the correct name of the Operating Railroad and in the correct State.
- **October 16, 2010** – MUST Update the balance of the data elements for all Existing Crossings. All crossings must be updated with current and correct information.

# FRA is the Custodian for the Crossing Inventory Database

- This is not FRA's Data – It is FRA's File of **YOUR** Data.
- FRA is the **Custodian** of the National Crossing Inventory Data File for the States and Railroads.
- The File is **YOUR** (States & Railroads) Inventory.  
FRA only updates it with **YOUR** data.

# RSIA 2008 - Section 204

## Definition of a Crossing

- A location where a roadway, including associated pathways, such as sidewalks **within 25 feet**, intersect one or more railroad tracks.
- A **Pathway Crossing** is dedicated for **non-vehicular traffic**, and not associated with a highway-rail crossing, that intersects one or more railroad tracks.
- For Inventory purposes, a crossing includes those tracks that **lie between a pair of the same warning devices**.
- A crossing with multiple tracks will be one where the tracks are usually **less than 100' apart**.

# What You Need to Remember

- The Inventory is now a **MANDATORY PROGRAM** as a result of RSIA 2008
- Every Crossing is required have a DOT Crossing Number
  - **Every Public, Private, Pedestrian** (PATHWAY), both At-Grade and Grade-Separated **MUST** be Inventoried and in the File.
  - Includes crossings in **railroad yards, private rail yard facilities, port, and dock areas** -- One number is sufficient and it is a Private Crossing.
  - For the Inventory, a crossing is further defined as “those tracks that lie between the **same PAIR OF WARNING DEVICES.**”
  - Any recognized “**Legal**” Crossing location.
- **Responsibility is the Railroad’s** to identify and initiate the Inventory process

# What You Need to Remember

- Post the Number on both sides of the Crossing
  - Responsibility for posting is the Railroad
  - ENS Signs, soon to be required, will contain the number
- Information coincides with Inventory Data in the File
- Everything you need to know is located on Webpage:  
<http://www.fra.dot.gov/us/content/801>
- Guidance: Any location where a train can have an accident with a motor vehicle or pedestrian (not trespasser), and an Accident Report has to be filed, needs a crossing inventory number assigned.

# Inventory Form

**U.S. DOT CROSSING INVENTORY FORM**

DEPARTMENT OF TRANSPORTATION  
FEDERAL RAILROAD ADMINISTRATION (FRA)

OMB Control No. 2130-0017  
Expires: 12/31/2008

1. Issuing Agency <input type="checkbox"/> Railroad <input type="checkbox"/> State		2. Crossing Number (max. 7 char.)		3. Reason for Update <input type="checkbox"/> Changes at Existing Cross. <input type="checkbox"/> New Crossing <input type="checkbox"/> Closed Crossing or Abandoned		4. FISCAL Year (MM/DD/YYYY)	
<b>Part I: Location and Classification Information</b>							
1. Railroad Oper. Co. (code (max. 4 char. or more))			2. State (2 char.)		3. County (max. 20 char.)		
4. Railroad Division or Section (max. 17 char.)		5. Railroad Subdivision or District (max. 14 char.)		6. Branch or Line Name (max. 15 char.)		7. RR Milepost (max. 7 char.) (Milepost)	
8. Rpt. ID, No. near crossing		9. Nearest RR Timetable Station (max. 15 char.) (optional)		10. Elevation (max. 4 char.) (if applicable)		11. Crossing Order/RR or Company Name (if applicable)	
12. City (max. 16 char.) (check one) <input type="checkbox"/> In <input type="checkbox"/> Near				11. Street or Road Name (max. 17 char.)			
14. Highway Type & No. (max. 7 char.)				15. EMS Sign Installed (1-800) <input type="checkbox"/> Yes <input type="checkbox"/> No			
17. Crossing Type (check one only) <input type="checkbox"/> Public <input type="checkbox"/> Private <input type="checkbox"/> RR Over <input type="checkbox"/> Underpass				16. Crossing Position <input type="checkbox"/> At Grade <input type="checkbox"/> RR Under <input type="checkbox"/> RR Over			
18. Is There an Adjacent Crossing With a Separate Number? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Provide Number (7 characters)				<b>STATE SUPPLIED INFORMATION</b>			
21. County Map Ref. No. (max. 10 char.)				22. RSR District ID (2 char.)			
23. County Name (max. 17 char., no numbers)				24. Local Name (max. 17 char., no numbers)			
25. Land Use Status <input type="checkbox"/> Aerial <input type="checkbox"/> Estimated							
<b>Part II: Private Crossing Information</b>							
27.A. Category <input type="checkbox"/> Farm <input type="checkbox"/> Residential <input type="checkbox"/> Commercial		27.B. Public Access <input type="checkbox"/> Yes <input type="checkbox"/> No		27.C. Signage <input type="checkbox"/> None <input type="checkbox"/> Signs <input type="checkbox"/> Signs Specify (max. 15 char.)		27.D. Other <input type="checkbox"/> None	
28.A. Railroad Use (max. 20 char.)		28.B. State Use (max. 20 char.)		28.C. State Use (max. 20 char.)		28.D. State Use (max. 20 char.)	
29. Name (max. 20 char.)		30. Railroad Contact (Telephone No.)		31. State Contact (Telephone No.)			
<b>MUST COMPLETE REMAINDER OF FORM FOR PUBLIC VEHICLE CROSSINGS AT GRADE</b>							
<b>Part III: Railroad Information</b>							
1. Number of Daily Train Movements		1.A. Total Trains		1.B. Total Scheduling Trains		1.C. Total Daylight thru Trains (5 AM to 1 PM)	
2. Speed of Train at Crossing		2.A. Maximum Train Table Speed (mp/h)		2.B. Typical Speed Range Over Crossing (mp/h)		2.C. Other, Specify (max. 10 char.)	
3. Type and Number of Trains		3.A. Max. # of Trains		3.B. Other, Specify (max. 10 char.)		3.C. Other, Specify (max. 10 char.)	
4. Does Another RR Operate a Branch Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR (max. 10 char.)		5. Does Another RR Operate Over Your Track at Crossing? <input type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Specify RR Area (10 char.)					

Form FRA-2 6192.51 (11-99) PAGE 1 OF 4

**U.S. DOT CROSSING INVENTORY FORM**

PAGE 2

D. Effective Date (MM/DD/YYYY)

<b>Part III: Traffic Control Device Information</b>							
1. No. Signs or Signals <input type="checkbox"/> None <input type="checkbox"/> 1 or More		2. Type of Warning Device at Crossing - (Specify number of each) 2.A. Crossbucks 2.B. Highway Stop Signs (R 1) 2.C. RR Advance Warning Signs (W80-R) 2.D. Ramp Crossing Sign (W10-S)		2.E. Advance Warning Sign (W80-R) <input type="checkbox"/> Yes <input type="checkbox"/> No		2.F. Ramp Crossing Sign (W10-S) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
2.F. Advance Warning Signs <input type="checkbox"/> Stop Signs <input type="checkbox"/> RR Xing Symbols <input type="checkbox"/> None		2.G. Other Signs (Specify MUTCD Code) Number _____ Specify Type (max. 10 char.)		2.H. Other Signs (Specify MUTCD Code) Number _____ Specify Type (max. 10 char.)			
3. Type of Warning Device in Crossing - (Specify number of each)		3.A. Gates <input type="checkbox"/> Yes <input type="checkbox"/> No		3.B. Gates (Specify MUTCD Code) Over Traffic Lane (number) Not Over Traffic Lane (number)		3.C. Main Street Warning Lights (number)	
3.D. Other Flashing Lights Number: _____ Specify Type (max. 10 char.)		3.E. Highway Traffic Signal (number)		3.F. Wagonway (number)		3.G. Bell (number)	
3.H. Other Train Activated Warning Devices (Specify) (max. 17 char.)							
4. Specify Special Warning Device NOT Train Activated (max. 20 char.)				5. Observation Device With Gates <input type="checkbox"/> All Approaches <input type="checkbox"/> One Approach <input type="checkbox"/> None			
6. Train Detection <input type="checkbox"/> Detector Warning Time <input type="checkbox"/> INCAPU <input type="checkbox"/> Galvan <input type="checkbox"/> Yes <input type="checkbox"/> No		7. Signaling for Train Operation Is Track Equipped with Train Signal? <input type="checkbox"/> Yes <input type="checkbox"/> No		8. Traffic Light Interference/Preemption <input type="checkbox"/> Not Interfered/Preempted <input type="checkbox"/> N/A <input type="checkbox"/> Simultaneous Preemption <input type="checkbox"/> Subsequent Preemption			
9. Reserved For Future Use <input type="checkbox"/> 10. Reserved For Future Use <input type="checkbox"/> 11. Reserved For Future Use <input type="checkbox"/> 12. Reserved For Future Use							
<b>Part IV: Physical Characteristics</b>							
1. Type of Development <input type="checkbox"/> Open Space <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional		2. Smallest Crossing Angle <input type="checkbox"/> 17° - 19° <input type="checkbox"/> 20° - 29° <input type="checkbox"/> 30° - 39° <input type="checkbox"/> 40° - 90°		3. Number of Traffic Lanes Crossing Railroad <input type="checkbox"/> Yes <input type="checkbox"/> No		4. Are Track End Buffers Present? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Crossing Surface (see main form) <input type="checkbox"/> Timber <input type="checkbox"/> Asphalt <input type="checkbox"/> Asphalt and Paving		6. Concrete <input type="checkbox"/> Yes <input type="checkbox"/> No		7. Concrete and Rubber <input type="checkbox"/> Yes <input type="checkbox"/> No		8. Other (Specify)	
9. Does Track Run Down a Slope? <input type="checkbox"/> Yes <input type="checkbox"/> No		10. Nearest 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"/> 500+		11. Is A Signalized? <input type="checkbox"/> Yes <input type="checkbox"/> No			
12. Is Crossing Unimproved? (street lights within approx. 40 feet from crossing rail) <input type="checkbox"/> Yes <input type="checkbox"/> No		13. Is Commercial Power Available? <input type="checkbox"/> Yes <input type="checkbox"/> No		14. Space Reserved for Future Use <input type="checkbox"/> Yes <input type="checkbox"/> No			
<b>Part V: Highway Information</b>							
1. Highway System <input type="checkbox"/> Interstate <input type="checkbox"/> Fed. or AAD, Excl. NHS <input type="checkbox"/> No. Hwy System (NHS) <input type="checkbox"/> State <input type="checkbox"/> Federal A/C		2. Is Crossing on State Highway System? <input type="checkbox"/> Yes <input type="checkbox"/> No		3. Truckload Classification of Road at Crossing		4. Posted Highway Speed	
5. Annual Average Daily Traffic (AADT) Year _____ AADT _____		6. Estimated Personal Trucks		7. Average Number of School Buses Over Crossing per School Day			

Particular Railroad may elect to report for this information collection an average of 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and reviewing the data needed, and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1996, no person should be required to respond to a collection of information unless it displays a valid OMB Control Number. This collection is 2130-0017.



# Initial Numbering and Filing

- Responsibility of the Operating Railroad
- Public at-grade: Complete Parts I – V and send it to FRA and the State
- Private: Complete Part I and send to FRA
  - Send a courtesy copy to State

**FRA only accepts Inventory Updates from the State Inventory Contacts or the Railroad Inventory Contacts**

# Initial Numbering and Filing

## (things we are looking for)

- For Public at-grade: The Railroad needs to complete all Parts I – V, including the Highway Information.
- For all crossings: Railroad needs to provide ACTUAL GPS values. (Google or Bing maps can be used.)
- For all crossings: Railroad needs to provide the 3 telephone numbers in Boxes 31-33.
  - **ENS Number, Railroad Contact, State Contact**
- For Public at-grade: We need to have current train and traffic count data. The Highway Traffic AADT has a Year Date associated with the count.
  - **The Year Date needs to be 2009, 2010, 2011**

# RSIA 2008 - Section 204

## Additional Items & Rulemaking

- Existing Policies, Forms, Instructions, and Processes will be enforced in accordance with the Statute **w/o the need for regulations**, until new rules are issued.

Go to: <http://www.fra.dot.gov/Pages/801.shtml>

- FRA is granted Rulemaking Authority, which has now started.
- The new revised Crossing Inventory Form will require Rulemaking, which will wait until the new Form and Instructions are ready for revision.

Inventory Form

Data Elements

File Structure

Instructions

*All Available on FRA's Website at*

*<http://www.fra.dot.gov/pages/801.shtml>*

***CHECK IT OUT!***

# Submission of Updates -- Acceptable Formats

- Hardcopy (Inventory Form, letter, lists, tables)
- GX32 Computer Program (provided FREE by FRA)
- Electronic Files generated by the submitter
  - .txt ASCII file, or Comma Delimited
  - .dbf Database file
  - .xls Excel file
  - .mdb Access file
  - .xml XML format

# Updating by States and Railroads

- Currently, there is No Electronic Updating On-line
- Use Hardcopy Forms for less than 40 crossings
- Use Lists or Electronic Computer Files (can be via e-mail or using Excel) for Single Element Updates
  - Closures, Latitude/Longitude Updates,
- Use Electronic Files for those who maintain their own data file. Use FRA's Standard File Structure Format and compare to FRA's File using CIR.
- Use GX32 Computer Program
  - Obtain Free from FRA's Processing Contractor

# Important Issues when Updating using Hardcopy – (what we look for)

- Insure that the changes or updates are noted or identified on the Form - **highlighted or circled**.
- Indicate the Effective Date – **will need 2010-2011**
- Indicate the Initiating Agency – **State or Railroad**
- Provide **ACTUAL** Latitude and Longitude values.
- Provide **Telephone Numbers in Boxes 31 – 33**
- Provide **Accurate Train Counts for current Year**
- Provide **Accurate Highway Traffic Counts for Years 2009-2011**



# How to Start Updating Electronically

## - Start with Data Reconciliation (CIR)

- Agree on the **Number** of all Open Crossings.
- Agree on **Operating Railroad**
- Agree on **State** and **County** Location
- Agree on **Type**: Public, Private or Pedestrian, and **Position**: at-Grade or Grade Separated
- Assign Numbers to “New” Crossings – Close, or Transfer others to the correct railroad.

**When Resolved and the Data Files are in Agreement,  
then Update the Balance of Data Items**

# What needs to be done Annually and by September 30, 2011

- Make sure that all crossings have an assigned number and are in the National File.
- Update any records where the data has changed and provide the Effective Date of the change.
- Where there is NO change in the data, change the Effective Date to January first of the current year. i.e., 01/01/2011

**Be sure that your data file and FRA's File agree on (1) the total Number of crossings, (2) the correct Operating Railroad, (3) in the correct State & (4) County, and (5) are the correct Type and (6) Position.**

# What needs to be done Annually and by September 30, 2011

- Where there is **no change in the data**, send a letter verifying and certifying that there is no change and update the list of the crossings to **01/01/2011**.
- If you use GX32, then your data file is the same as the FRA File and you can assign the Effective Date of 01/01/2011 for crossings with no change.
- If you have your own separate data file, use the **CIR Application** on the Crossing Safety Data Website. For the file that is “**All Match**,” you may certify that there is no change in the data and assign a new Effective Date of 01/01/2011.

# Current Availability of Data

- Safety Data Website (.dbf file)  
**<http://safetydata.fra.dot.gov/>**
  - Current and Historical Records
- GX32 (.mdb Access file) FREE
  - Obtain from FRA's Data Processing Contractor
- WBAPS (Web Based Accident Prediction System)

# Website Inventory Data

## FRA Home Page - [www.fra.dot.gov](http://www.fra.dot.gov)

**FEDERAL RAILROAD ADMINISTRATION : HOME - Microsoft Internet Explorer**

File Edit View Favorites Tools Help Links Forms Library Secure FPPS U.S. Department of Transportation - Webmail

Address <http://www.fra.dot.gov/> Go Convert Select

Back Forward Stop Home Search Favorites Refresh Print

**DEPARTMENT OF TRANSPORTATION** HOME SITE INDEX ISSUE BRIEFS FOIA EMPLOYMENT

### Federal Railroad Administration

**About the FRA**

- Railroad Safety
  - Issue Briefs
  - Safety Data
  - Programs
- Freight Railroad
  - Public Advisories
  - Publications
  - Contact Us
- Passenger Rail
- Research & Development
- Press Room
- Legislation, Regulation, Litigation & Enforcement
- Civil Rights & Accessibility

DOT Site Search:  GO

FRA-only

**Useful Links**

- eSubscribe Personalized E-mail Updates
- White House
- USA.gov

**What's New:**

- Preliminary National Rail Plan
- American Recovery and Reinvestment Act
- Federal Railroad Administration & American Recovery and Reinvestment Act
- Grants and Loans
- 2008 Rail Safety and Amtrak Legislation: Overview, Highlights & Summary

Trusted sites

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# Website Inventory Data Safety Data Home Page


The screenshot shows a Microsoft Internet Explorer browser window displaying the Federal Railroad Administration Office of Safety Analysis website. The browser's address bar shows the URL <http://safetydata.fra.dot.gov/OfficeofSafety/default.aspx>. The website header includes the FRA logo and the text "Federal Railroad Administration Office of Safety Analysis". A navigation menu contains links for Home, Crossing, Forms/Publications, Downloads, Query, FAQ, A/F/P, CWR, PRELIM Bulletin, Contact Us, Privacy Policy, and Website Policies. A visitor ID of 6663964 is displayed in the top right. A blue banner below the navigation menu states "Last update: Thursday, October 29, 2009". The main content area is titled "Home" and contains a welcome message, a list of available data types, and several links. The "1 - Overview" section lists links for Accident/Incident Overview, Operational Data Tables, Overview Charts By Railroad, Overview Charts By State, Accident/Incident Overview by State/Region, Ten Year Accident/Incident Overview by Railroad, and Ten Year Accident/Incident Overview by Railroad/Region/State/County. The "2 - Query Accident/Incident Trends" section lists links for Train Accidents, Train Accident Rates, Train Accidents by Railroad Groups, and Employee on Duty Casualties. The browser's taskbar at the bottom shows the Start button, several open applications (Inbox, MyMajicD..., http://my..., SAS, FRA-Hom..., Document...), and the system tray with the time 7:01 AM.

FRA-Homepage - Microsoft Internet Explorer

File Edit View Favorites Tools Help | Links Forms Library Secure FPPS U.S. Department of Transportation - Webmail

Address <http://safetydata.fra.dot.gov/OfficeofSafety/default.aspx> Go Convert Select

Back Forward Stop Home Search Favorites Refresh Print

 Federal Railroad Administration  
Office of Safety Analysis

You are Visitor# 6663964

Home Crossing Forms/Publications Downloads Query FAQ A/F/P CWR PRELIM Bulletin Contact Us Privacy Policy Website Policies

Last update: Thursday, October 29, 2009

## Home

Welcome to the newly redesigned FRA Office of Safety Analysis Web Site. This site was established for the purpose of making railroad safety information readily available to a broad constituency which includes FRA personnel, railroad companies, research and planning organizations and the public, in general.

Visitors have access to railroad safety information including accidents and incidents, inspections and highway-rail crossing data. From this site users can run dynamic queries, download a variety of safety database files, publications and forms, and view current statistical information on railroad safety.

[How to Page](#)  
[TRAIN HORN RULE](#)  
[Revised F6180.55 \(Railroad Injury and Illness Summary Form\)](#)  
[\\*\\* Click Here for Changes in Accident/Incident Recordkeeping and Recording\\*\\*](#)

### 1 - Overview

- 1.01 [Accident/Incident Overview](#)
- 1.02 [Operational Data Tables](#)
- 1.03 [Overview Charts By Railroad](#)
- 1.04 [Overview Charts By State](#)
- 1.05 [Accident/Incident Overview by State/Region](#)
- 1.06 [Ten Year Accident/Incident Overview by Railroad](#)
- 1.07 [Ten Year Accident/Incident Overview by Railroad/Region/State/County](#)

### 2 - Query Accident/Incident Trends

- 2.01 [Train Accidents](#)
- 2.02 [Train Accident Rates](#)
- 2.03 [Train Accidents by Railroad Groups](#)
- 2.04 [Employee on Duty Casualties](#)

Done Trusted sites

start | Inbox - Mi... | MyMajicD... | http://my... | SAS | FRA-Hom... | Document... | 7:01 AM




# Website Inventory Data

5.02 - Generate Crossing Inventory and Accident Reports - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links Forms Library Secure FPPS U.S. Department of Transportation - Webmail

Address <http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/crossing.aspx> Go Convert Select

Back Forward Stop Refresh Home Search Favorites

 **Federal Railroad Administration**  
Office of Safety Analysis You are Visitor# 6663875

Home Crossing Forms/Publications Downloads Query FAQ A/FPP OWR PRELIM Bulletin Contact Us Privacy Policy Website Policies

### 5.02 - Generate Crossing Inventory and Accident Reports

Please click on one of the links below or enter a crossing number, pick the report type and click on the **Generate Report** button to produce the Report.

Report Type:  Inventory  Accident  Contact Sheet

Crossing#:

Inventory:  Current  History

#### Additional Links

[Query by Location/Railroad](#)  
[Query by Crossing](#)  
[Accident Prediction \(WBAPS\)](#)  
[DOT Crossing Inventory Information](#)  
[Crossing Data help](#)  
[Maps](#)  
[Notice](#)  
[Using this Site](#)

**Inventory file as of:08/31/2009**  
**Accident file as of:07/31/2009**

Done Trusted sites

start Inbox - Mi... MyMajicD... http://my... SAS 5.02 - Ge... Document... 6:59 AM



# Website Inventory Data

8.01 - Query by Location - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links Forms Library Secure FPPS U.S. Department of Transportation - Webmail

Address <http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/Xingqryloc.aspx> Go Convert Select

Back Search Favorites

Federal Railroad Administration  
Office of Safety Analysis

You are Visitor# 6663891

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### 8.01 - Query by Location

Location: Maryland

County  City

County/City: BALTIMORE

Crossing Type:  Public Only  All (Includes Private and Pedestrian)

Crossing Position:  At-Grade Only  All (Includes Grade Separated)

Crossing Status:  Open  All (Includes Closed)

Street:

Railroad: All

[Click here for a complete listing of Railroads](#)

**Note! You need to specify state and either county or city, street or railroad search pattern.**

Run Query Reset

Trusted sites

start | Inbox - Mi... | MyMajicD... | http://my... | SAS | 8.01 - Qu... | Document... | 7:00 AM

# Website Inventory Data

8.02 - Query by Location - Microsoft Internet Explorer

File Edit View Favorites Tools Help Links Forms Library Secure FPPS U.S. Department of Transportation - Webmail

Address http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/XingLocResults.aspx?state=24&countyc

Back Forward Stop Refresh Home Search Favorites

**Federal Railroad Administration**  
Office of Safety Analysis

You are Visitor# 6663911

Home Crossing Forms/Publications Downloads Query FAQ AF/FP CWR PRELIM Bulletin Contact Us Privacy Policy Website Policies

## 8.01 - Query by Location

**Total Records:** 110

Report Type:  Inventory  Accident  Contact Sheet

Inventory:  Current  History

Generate Report Show All Reset

Crossing#	State	Rr	Type	Position	Status	Milepost	County	City	Division	SubDivision	Branch	Street
<input type="checkbox"/> 140162M	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	BALTIMORE	MD	CUBA		PENNINGTON AVE
<input type="checkbox"/> 140206K	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	BALTIMORE	SOUTHERN	BALTIMORE TER	SEAWALL BRANCH	NORTHBRIDGE AVE
<input type="checkbox"/> 140211G	MD	CSX	Public	At Grade	Open	000108	BALTIMORE	BALTIMORE	MARYLAND	SPARROWS POINT		REL PONCA ST
<input type="checkbox"/> 140239X	MD	CSX	Public	At Grade	Open	000602	BALTIMORE	HALETHORPE	MD	WASN	BAA	HOLLINS FERRY RD
<input type="checkbox"/> 140240S	MD	CSX	Public	At Grade	Open	000501	BALTIMORE	HALETHORPE	BALTIMORE DIVI	BALTIMORE TERM	BALTIMORE	HALETHORPE FARM
<input type="checkbox"/> 140241Y	MD	CSX	Public	At Grade	Open	000501	BALTIMORE	HALETHORPE	BALTIMORE DIVI	BALTIMORE TERM		TRANSWAY ROAD
<input type="checkbox"/> 140311L	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	DUNDALK	BALTIMORE DIVI	BALTIMORE TERM		STANSBURY ROAD
<input type="checkbox"/> 140313A	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	DUNDALK	MD	SPPO		CHESTERWOOD RD
<input type="checkbox"/> 140315N	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	DUNDALK	MD	SPPO		MERRITT BLVD
<input type="checkbox"/> 140316V	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	DUNDALK	MD	SPPO		SOLLERS PT. RD
<input type="checkbox"/> 140317C	MD	CSX	Public	At Grade	Open	NONE00	BALTIMORE	DUNDALK	MD	SPPO		WILLOW SPRING RD

Done Trusted sites

start Inbox - Mi... MyMajicD... http://my... SAS 8.02 - Qu... Document... 7:00 AM

# Website Inventory Data Printout

## U.S. DOT - CROSSING INVENTORY INFORMATION AS OF 2/23/2007

Crossing No.: **665279X** Update Reason: **Changed Crossing** Effective Begin-Date of Record: **05/04/04**  
Railroad: **AGR Alabama & Gulf Coast Rwy LLC [AGR]** Current Record  
Initiating Agency **State** Type and Position: **Private At Grade**

### Part I Location and Classification of Crossing

Division:	<b>MEMPHIS</b>	State:	<b>AL</b>
Subdivision:	<b>PENSACOLA</b>	County:	<b>BALDWIN</b>
Branch or Line Name:		City:	<b>Near BAY MINETTE</b>
Railroad Milepost:	<b>0693.90</b>	Street or Road Name:	<b>PVT</b>
RailRoad I.D. No.:		Highway Type & No.:	
Nearest RR Timetable Strn:	<b>ATMORE</b>	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	
Crossing Owner:		Latitude:	<b>30.6166190</b>
ENS Sign Installed:	<b>Yes</b>	Longitude:	<b>-87.4026920</b>
Passenger Service:		Lat/Long Source:	<b>Fed. Derived</b>
Avg Passenger Train Count:	<b>0</b>	Quiet Zone:	<b>No</b>
Adjacent Crossing with Separate Number:	<b>No</b>		

#### Private Crossing Information:

Category:	<b>Farm</b>	Public Access:	
Signs	Specify Signs: <b>X-BUCK</b>	Specify Signals:	
	ST/RR A	ST/RR B	ST/RR C
			ST/RR D

Railroad Use:

State Use:

Narrative: **GATE**

Emergency Contact:

Railroad Contact:

State Contact:

**(334)353-6435**

### Part II Railroad Information

Number of Daily Train Movements:		Less Than One Movement Per Day:	<b>Yes</b>
Total Trains: <b>0</b>	Total Switching: <b>0</b>	Day Thru: <b>0</b>	
Typical Speed Range Over Crossing: From <b>0</b> to <b>0</b> mph		Maximum Time Table Speed: <b>0</b>	
Type and Number of Tracks: Main: <b>0</b> Other: <b>0</b>		Specify:	
Does Another RR Operate a Separate Track at Crossing?			
Does Another RR Operate Over Your Track at Crossing?			

# Website Inventory Data – Download Data


FRA Office of Safety Home Page - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss

Address <http://safetydata.fra.dot.gov/OfficeofSafety/Downloads/Default.asp>

Links [Best of the Web](#) [Channel Guide](#) [Customize Links](#) [Free HotMail](#) [Internet Start](#) [Microsoft](#) [RealPlayer](#)

 **Federal Railroad Administration**  
**Office of Safety Analysis**

[What's New](#)

Visitor # 191

[Home](#) [Crossing](#) [Forms/Publications](#) [Downloads](#) [Query](#) [FAQ](#)

## Downloads

Select the specific download page you wish to go to by clicking on any of the links below.

- [Highway-Rail Crossing Database Files](#)
- [Accident Data on Demand](#)
- [FRA Auxiliary Tables](#)
- [FRA Database File Structures](#)

# Current Availability of Data

- Website (.dbf file)
- GX32 (.mdb Access file)
  - obtain directly from our Contractor ActionNet
  - Free software
- WBAPS (Web Based Accident Prediction System)

# GX32 Software Package

Highway-Rail Crossing Data Maintenance System - [516250R - Edit Crossing]

File View Tools Help

Railroad  State **516250R**
 Changes in Existing Crossing Data  Closed Crossing or Abandoned **01/27/2003**

**Part I: Location and Classification Information**

1. Railroad Oper. Co: **MDDE** MARYLAND DELAWARE RR CO  
 2. State: **DE**  
 3. County: **SUSSEX**

4. Railroad Division or Region:   
 5. Railroad Subdivision or District:   
 6. Branch or Line Name: **LEWES RUNNING**  
 7. RR Milepost: **0036.38**

8. RR I.D. No:   
 9. Nearest RR Timetable Station: **NASSAU**  
 10. Parent RR (if applicable):   
 11. Crossing Owner (RR or Company name)(if applicable):

12. City (check one):  In  Near **NASSAU**  
 13. Street or Road Name: **ROAD 269A**

14. Highway Type and No: **RD 269A**  
 15. ENS Sign Installed(1-800):  Yes  No  
 16. Quiet Zone:  No  Partial  24 Hr  Unknown

17. Crossing Type (choose one):  Public  Private  Pedestrian  
 18. Crossing Position:  At Grade  RR Under  RR Over  
 19. Type of Passenger Service:  AMTRAK  AMTRAK and Other  Other  None  
 20. Average Passenger Train Count Per Day: **0**

21. HSR Corridor ID:   
 22. County Map Ref. No:   
 23. Latitude: **38.5530970**  
 24. Longitude: **-075.2520070**  
 25. Lat/Long Source:  Actual  Estimated

26. Is there an Adjacent Crossing With a Separate Number?  
 Yes  No If Yes, Provide Number:

**27. PRIVATE CROSSING INFORMATION**

27.A. Category (check one):  Farm  Residential  Recreational  Industrial  Commercial  
 27.B. Public Access:  Yes  No  Unknown  
 27.C. Signs/Signals:  None  Signs  Signals

28.A. Railroad Use:   
 29.A. State Use:

5:05 PM 10/20/2003

Start Microsoft PowerPoint - [P... Highway-Rail Crossing... 5:05 PM



# Current Availability of Data

- Website (.dbf file)
- GX32 (.mdb Access file)
- **WBAPS** (Web Based Accident Prediction System)

# WBAPS – Ranked List

WBAPS\_200910297538[1].pdf - Adobe Acrobat Pro

File Edit View Document Comments Forms Tools Advanced Window Help

Create Combine Secure Sign Forms Multimedia Comment

4 / 4 122% Find



## PUBLIC HIGHWAY-RAIL CROSSINGS RANKED BY PREDICTED ACCIDENTS PER YEAR AS OF 12/31/2008\*

\*Num of Collisions: Most recent year is partial year (data is not for the complete calendar year) unless Accidents per Year is 'AS OF DECEMBER 31'.

RANK	PRED COLLS.	CROSSING	RR	STATE	COUNTY	CITY	ROAD	NUM OF COLLISIONS					DATE CHG	W D	TOT TRN	TOT TRK	TTBL SPD	HWY PVD	HWY LNS	AADT
								08*	07	06	05	04								
1	0.014154	726748S	NS	AL	CALHOUN	WHITE PLAINS	OLD CHOCCOLOCC	0	0	0	0	0		GT	28	1	79	YES	2	203
2	0.019313	726749Y	NS	AL	CALHOUN	ANNISTON	MILLIGAN ST	0	0	0	0	0		GT	28	1	79	YES	2	691
3	0.018467	726750T	NS	AL	CALHOUN	ANNISTON	ERICKTON DRIVE	0	0	0	0	0		GT	28	1	79	YES	2	577
4	0.018531	726751A	NS	AL	CALHOUN	ANNISTON	CHOCCOLOCCO RO	0	0	0	0	0		GT	28	1	79	YES	2	585
5	0.019996	726754V	NS	AL	CALHOUN	ANNISTON	CHOCCOLOCCO RO	0	0	0	0	0		GT	28	1	79	YES	2	879
6	0.058918	726755C	NS	AL	CALHOUN	ANNISTON	KELLY LYNN RD	0	0	1	0	0		GT	28	2	60	YES	2	691
7	0.024975	726756J	NS	AL	CALHOUN	ANNISTON	DEARMANVILLE D	0	0	0	0	0		GT	22	2	45	YES	2	2,830
8	0.027963	726759E	NS	AL	CALHOUN	ANNISTON	Chevron Road	0	0	0	0	0		SS	22	1	45	YES	1	110
9	0.022465	726760Y	NS	AL	CALHOUN	ANNISTON	COOPER CIRCLE	0	0	0	0	0		GT	22	2	45	YES	2	1,808
10	0.019456	726761F	NS	AL	CALHOUN	ANNISTON	PINSON ROAD	0	0	0	0	0		GT	22	1	45	YES	2	1,001
11	0.050400	726762M	NS	AL	CALHOUN	ANNISTON	TILLMAN ROAD	0	0	0	1	0		GT	22	1	45	YES	2	320
12	0.012708	726763U	NS	AL	CALHOUN	ANNISTON	WEST PARK DRIVE	0	0	0	0	0		GT	22	2	45	YES	2	189
13	0.014004	726764B	NS	AL	CALHOUN	ANNISTON	VIRGINIA	0	0	0	0	0		GT	17	1	45	YES	2	520

start

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# What is coming?

- New Inventory Form
- Additional Data Elements
- Revised File Structure
- New Instructions
- Rulemaking for the New Inventory Form and resulting requirements for non-compliance.

# Have Questions or Need More Information?

Contact:

Tom Woll

202-493-6290

[tom.woll@dot.gov](mailto:tom.woll@dot.gov)

