

## National Transportation Library and Department of Transportation Resources

Federal Depository Library Council Meeting and Conference

October 18, 2011

### **Welcome and Introduction**

Rosalyn Alleman

Dave Jones

National Transportation Library  
US Department of Transportation



## **Agenda**

- National Transportation Library Resources
- Sources of Transportation Statistics
- DOT Operating Administration Safety and Consumer Information Sources



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## **National Transportation Library Resources**

- Overview of Collections and Services
- NTL Digital Repository
- Other Transportation Resources:
  - Transportation FAQ Knowledgebase
  - Sources of Information in Transportation
  - Transportation Search Engines
  - Dictionaries and Directories
  - Special Collections



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## National Transportation Library Resources

- More than 200,000 print titles
- 500 current print periodical subscriptions
- Over 100 online databases
- NTL Integrated Search System
  - Over 40,000 links to digital documents
- Over 1000 reference requests a month
- Web traffic monthly
  - Around 75,000 unique visitors to <http://ntl.bts.gov/>
  - Around 10,000 unique visitors to <http://ntlsearch.bts.gov/>



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## National Transportation Library Resources

The screenshot shows the website interface with the following sections:

- Navigation Tabs:** About NTL, Networking Activities, Research/Tools, FAQs, Ask-a-Librarian, Site Map.
- Hot Topics:** Updated 08:05 AM EDT, September 09, 2011. Includes links for new items, federal government resources, livability, climate change, and new print titles.
- Search Our Collections:** Radio buttons for NTL Integrated Search (selected), HQ Catalog, and Transportation FAQs. Includes a search input field.
- Quick Links:** A list of links including NTL Integrated Search, TLCat, TRID, Headquarters Catalog, Federal Highway Administration Research Library Catalog, and Transportation Research Thesaurus. A red arrow points to the first item.
- Spotlights:** Three featured articles with dates and topics, each with a "Watch the session" and "More info" link.
- Browse by Audience:** Radio buttons for General Public, Legal Profession, Librarians, Researchers, and USDOT Employees.
- RSS Feeds:** Link to NTL RSS Feeds.



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<http://ntl.bts.gov/>

## National Transportation Library Resources

### *The NTL Digital Repository*

- Contains over 40,000 links to digital documents in the public domain
- Includes federal and state government reports, other publications created using government funding
- The Integrated Search (<http://ntlsearch.bts.gov>) is a tool that searches the *NTL Digital Repository* and records for other web-accessible transportation resources.
- Use Transportation Research Thesaurus (TRT) terms to refine your search or obtain additional documents in the same subject area.
- Mark records for download
- View search history
- Export marked records as text, HTML, or Excel files.



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## National Transportation Library Resources

[New Search](#) | [Browse](#) | **[Advanced Search](#)** | [Search History](#) | [Marked Records](#) | [TRT](#) | [Help](#)

Advanced Search

<http://ntlsearch.bts.gov/repository/searchinput.do>

Search in

fnr   
AND   
AND

[Hide search options](#)

Resource Type   
Year  (format: YYYY, YYYY-Y)  
Format   
Language   
Geographical Coverage   
Sort By   
Page Size

All Keywords  
All Title Keywords  
All Author Keywords  
Personal Creator  
Corporate Creator  
Personal Contributor  
Corporate Contributor  
All Subject Keywords  
General Subjects  
Classification  
TRT Terms  
Publisher  
Table of Contents  
Abstract  
Contract Number  
IRIS Unique Accession No  
NTL Record ID  
Report Number  
OCLC Number  
ISBN  
ISSN  
URL - Resource Identifier  
Full Text

Search [TRID, the TRIS and ITRD database](#), for U.S. and international transportation resources.  
Search the [Science.gov](#) database for federal science and technology resources.



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# National Transportation Library Resources

## Transportation FAQ Knowledgebase

- Over 300 public FAQs
- Searchable database
- Updated frequently
- Regulatory, safety and statistical data
- Specialist referrals and guides to transportation topics

<https://ntl.custhelp.com>

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# National Transportation Library Resources

## Sources of Information in Transportation

- A transportation bibliography compiled by subject experts
- Organized by mode of transportation (highway, rail, etc.)
- Refers user to both print and online sources

<http://ntl.bts.gov/tools/index.html>

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# National Transportation Library Resources

## Transportation Search Engines: Specialized Searching

- State DOT web site  
Google search
- Local transit agencies web sites
- Metropolitan Planning Organizations web sites
- University Transportation Centers web sites

The screenshot shows the 'Information Resources and Tools' page of the National Transportation Library. It is divided into several sections:

- Research Tools:** Includes NTL Integrated Search, TRC, the TRC and TRC Database, TLCA, Headquarters Catalog, FHWA Research Library Catalog, Transportation Search Engines, Transportation Research Thesaurus (TRT), Transport Research Knowledge Centre (TRKC) (EU focus), Rural and Agricultural Transportation: Data & Information Resources, TRB Research in Progress (RIP), Sources of Information in Transportation: Topical Bibliographies, and North American Libraries Holdings of Series Indexed by TRC.
- Information Management Standards:** Includes NTL Digital Repository Metadata Guidelines.
- Directories:** Includes Directory of State Departments of Transportation, Directory of Transportation Associations, Societies, and Unions, and Transportation Libraries Directory.
- Legislative/Regulatory Resources:** Includes BTS Federal Register Archives - 1994-present, Code of Federal Regulations (CFR), DOT Docket Management System (DMS), Federal Register (FR), House Transportation and Infrastructure Committee, NHTSA Traffic Safety Legislative Fact Sheets, Office of the Inspector General (OIG) Audit Reports, THOMAS Federal Legislative Information, U.S. Code (USC), and U.S. Senate Committee on Commerce, Science, and Transportation.
- Statistics:** Includes Pocket Guide to Transportation, National Transportation Statistics, Highway Statistics (FHWA), Fatality Analysis Reporting System (FARSA), National Transit Database (NTD), TransStat: Airline Statistics, Statistical Abstract of the United States, FAA Administrator's Fact Book, and More Transportation Statistics.
- Dictionaries:** Includes Transportation Expressions and Other Dictionaries and Glossaries.

<http://ntl.bts.gov/tools/index.html>

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# National Transportation Library Resources

## Dictionaries and Directories

- Glossaries of transportation terms
- Transportation Research Thesaurus
- Directories of state DOTs, transportation associations and transportation libraries

This screenshot is identical to the one above, but with red arrows highlighting specific sections:

- A red arrow points to the 'Research Tools' section.
- A red arrow points to the 'Directories' section.
- A red arrow points to the 'Dictionaries' section.

<http://ntl.bts.gov/tools/index.html>

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## National Transportation Library Resources

### *Special Collections Archive*

- Historical Railroad Investigation Reports (1911-1994)
- Historical Aircraft Accident Reports (1934-1965)
- Historical Civil Aeronautics Board documents
- Previous DOT Secretaries' papers
- Other DOT reports, orders and publications

#### Online Digital Special Collections

Welcome to [Online Digital Special Collections](#) of interest to Department of Transportation (DOT) researchers and the transportation community at large.

In an effort to preserve its materials and to provide easy access for DOT Library customers, the library has digitized numerous collections that can be accessed by clicking below:

[Turner, Fairbank and MacDonald Papers](#)

[Civil Aeronautic Manuals](#)

[Civil Air Regulations](#)

[Superseded Advisory Circulars](#)

[I.C.C. Historical Railroad Investigation Reports \(1911-1994\)](#)

[National Conferences on Street and Highway Safety](#)

[Historical Aircraft Accident Reports \(1934-1966\)](#)

[FAA and CAA Research Reports](#)

[US Coast Guard Navigation and Inspection Circulars](#)

[Historic CAB/DOT Orders](#)

[Historical FARs](#)

(CAB/DOT Orders collection represents a small number of orders from the historic collection. In the future, all historic orders will be available on this web site.)

<http://specialcollection.dotlibrary.dot.gov>



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## Transportation Statistics

- BTS Air Carrier Statistics
- TranStats Database
- Other BTS Statistical Sources
- Other DOT Statistics
- Outside Sources of Transportation Data



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## BTS Air Carrier Statistics

Air carriers are required under 14 CFR 234 and 241 to report [statistics](#) to BTS (some data monthly, some quarterly or semiannually).

- Traffic T-100 Market and Segment statistics: flights, passengers, freight & mail aggregated by route/carrier/aircraft type/month
- Traffic Summary Data: further aggregated data for US carriers only, includes RPMs, ASMs, RTMs
- Origin and Destination Survey (10% sample of domestic itineraries, includes fare data)



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## BTS Air Carrier Statistics

- Financial Statistics (carriers divided into groups over/under \$20 million in revenue)
  - Revenue/expenses
  - Fuel cost and consumption
  - Employment by labor category
  - Balance sheet data
  - Quarter/Month and Carrier Region
- On-Time Performance Data (Carriers with 1% of domestic, scheduled passenger revenue)
  - Delays, cancellations and diversions
  - Day- and flight-specific data
  - Domestic flights/carriers only



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## BTS Air Carrier Statistics

Ways to access airline data

- [Press releases](#) & other prepared tables
- [Generate tables](#)
- [Download raw data from TranStats](#)



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## Accessing TranStats Data

### Analysis

- Click on title, then “analysis” next to desired field
- Quick access to a few fields, yearly and time series/crosstabs tables
- Aggregated data downloads easily to Excel

### Download

- Click “Download” under file description and select fields
- More detailed tables with 3 or more variables
- Monthly/quarterly/semiannually
- Filter for geography (state/country)
- Use [Microsoft Access](#) to filter/consolidate large files

<http://www.transtats.bts.gov>



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## TranStats Help

Our airline/TranStats data FAQs are available at <https://ntl.custhelp.com> (search “airline”)

Feel free to contact the Reference Team at:

[RITAInfo@dot.gov](mailto:RITAInfo@dot.gov)

800-853-1351

202-366-3492



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## Other BTS Statistical Sources

General/Aggregated Data:

- [Pocket Guide to Transportation](#)
- [National Transportation Statistics](#)
- [State Transportation Statistics](#)
- [Transportation Statistics Annual Report](#)

Freight/Passenger Sources:

- [Border Crossing/Entry Data](#)
- [North American Transborder Freight Data](#)
- [Commodity Flow Survey](#)

Economic Data:

- [Transportation Services Index](#)
- [Air Fare Data](#)



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## Aviation Data

- [FAA Administrator's Fact Book](#)
  - Overview of traffic, financial, infrastructure data
- [FAA Aerospace Forecasts](#)
- [Air Traffic Activity Data System](#)
  - Airport traffic including general aviation and air taxis, military flights
  - Take-offs and landings, both local and itinerant
- [General Aviation and Part 135 Activity Surveys](#)
  - traffic, conditions and equipment
- [Air Travel Consumer Report](#)
  - Summary of delays, complaints, mishandled baggage, etc.
  - Monthly and 12-month totals
- [Consumer Air Fare Report](#)
  - Air fare data by city pair, etc.



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## Highways Data

- [Highway Statistics](#) (FHWA)
  - Vehicles, drivers, miles of roadway, fuel, finance and vehicle miles
- [Traffic Volume Trends](#) (FHWA)
  - Monthly vehicle miles traveled
- [Fatality Analysis Reporting System](#) (NHTSA)
  - Search fatal accident records
  - See also “Traffic Safety Facts” reports
- [National Household Travel Survey](#) (FHWA)



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## Transit/Rail Data

- National Transit Database (FTA)
  - Ridership, infrastructure & finance statistics
  - National and transit agency level
- APTA also has easy-to-use transit statistics
- Railroad Financial and Statistical Reports (Surface Transportation Board)
  - Traffic, financial, employment reports
  - Freight Railroads



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## Maritime Data

Maritime Administration (MARAD) data:

- US Waterborne Foreign Trade & US Foreign Container Trade
  - By US port and trading partner
- Vessel Calls at US Ports
  - By vessel type and port
- Merchant Fleet Statistics
  - By vessel type and flag/ownership country
- Surveys of Great Lakes operators and barge operators
- Cruise ship statistics
- [http://www.marad.dot.gov/library\\_landing\\_page/data\\_and\\_statistics/Data\\_and\\_Statistics.htm](http://www.marad.dot.gov/library_landing_page/data_and_statistics/Data_and_Statistics.htm)

Marine Transportation System Data Inventory (index of maritime sources produced or used by the Federal Government)



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## Some Non-DOT Sources

- [Annual Energy Outlook](#) (DOE)
  - Forecasts to 2030
  - Includes vehicle miles traveled, alternative fuel vehicles
- [Transportation Energy Data Book](#) (DOE)
- [National Transportation Safety Board](#)
  - Reports and statistics on accidents
  - Aviation and other modes
- [Travel to/from the US](#) (DOC Office of Travel and Tourism Industries)
  - Number of US citizens traveling abroad and foreign citizens traveling to the US
  - Tourism and spending data
- [Statistical Abstract of the United States](#)
  - Historical transportation statistics back to the 19<sup>th</sup> century
- [US Army Corps of Engineers](#)
  - Data on ports and locks, commodities shipped



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## NTL Statistics FAQs

- [Sources of Airline Traffic Statistics](#)
- [Sources of Airline Financial Statistics](#)
- [Sources of Airline On-Time Statistics](#)
- [Air Fare Statistics](#)
- [US Air Carrier Employee Statistics](#)
- [Airline Fleet Statistics](#)
- [Statistics on Take-offs and Landings by Airport](#)
- [Commuting Statistics](#)
- [Highway Vehicle Miles Traveled Statistics](#)
- [State Crash Statistics](#)
- [State Traffic Count Statistics](#)
- [Fuel Economy Statistics Sources](#)
- [Transportation Statistics for Foreign Countries](#)



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## Modal Safety and Consumer Information Resources

- Federal Highway Administration
  - Manual on Uniform Traffic Control Devices
- Federal Railroad Administration
  - Office of Safety Analysis
- Federal Motor Carrier Safety Administration
  - SAFER (Safety and Fitness Electronic Records)
  - Protect Your Move
- Pipeline and Hazardous Materials Safety Administration
  - Emergency Responder Guidebook
- National Highway Traffic Safety Administration
  - Safer Car
- Non-DOT
  - US Dept. of Energy Transportation Energy Data Book



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## FHWA - Manual on Uniform Traffic Control Devices

<http://mutcd.fhwa.dot.gov/>

Manual on Uniform Traffic Control Devices (MUTCD)

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Search MUTCD:

Manual on Uniform Traffic Control Devices (MUTCD)

**Manual on Uniform Traffic Control Devices**

The *Manual on Uniform Traffic Control Devices*, or **MUTCD** defines the standards used by road managers nationwide to install and maintain traffic control devices on all public streets, highways, bikeways, and private roads open to public traffic. The MUTCD is published by the Federal Highway Administration (FHWA) under 23 Code of Federal Regulations (CFR), Part 655, Subpart F.

The Manual on Uniform Traffic Control Devices (MUTCD), which has been administered by the Federal Highway Administration (FHWA) since 1971, is a compilation of national standards for all traffic control devices, including road markings, highway signs, and traffic signals. It is updated periodically to accommodate the nation's changing transportation needs and address new safety technologies, traffic control tools and traffic management techniques.

On December 16, 2009 a final rule adopting the 2009 edition of the MUTCD was published in the Federal Register. States must adopt the 2009 National MUTCD as their legal State standard for traffic control devices within two years. The Federal Register notice, which provides detailed discussion of the FHWA's decisions on major changes from the 2003 edition, can be viewed at <http://edocket.access.gpo.gov/2009/pdf/19-28322.pdf> (PDF, 719KB). To view the 2009 MUTCD and other related information, go to [http://mutcd.fhwa.dot.gov/kno\\_2009.htm](http://mutcd.fhwa.dot.gov/kno_2009.htm).

The PDF version of the 2009 Edition of the MUTCD is the most current edition of the official FHWA publication. FHWA does not print copies of the MUTCD. National organizations have partnered and printed hard copies of the MUTCD. These hard copies are available for sale. Go to **ATSSA**, **ITE**, **AASHTO**, or **INSA** to get sales information.

**Current Edition of MUTCD**

MUTCD Home  
Site Map  
Knowledge  
Overview  
Evolution of the MUTCD  
Who Uses the MUTCD  
2009 Edition  
Color Specifications  
Amendment Process  
Experimentations  
Standard Highway Signs and Markings (SHSM)  
Basic Design Details  
FAQs  
Technical Assistance  
Peer-to-Peer Program  
Discussion Area  
MUTCD Team  
Resources



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## Manual on Uniform Traffic Control Devices, FAQs

**Manual on Uniform Traffic Control Devices (MUTCD)**

**Frequently Asked Questions (FAQs)**

The Federal Highway Administration's MUTCD Team receives questions daily about a wide variety of issues involving traffic control devices and the MUTCD. To assist users, we have compiled a variety of the most frequently asked questions, about the MUTCD in general and about each individual part of the MUTCD, along with the answers to those questions. If you have a question, select the applicable Part of the MUTCD in the list below, and see if your question is one for which the answer has been posted:

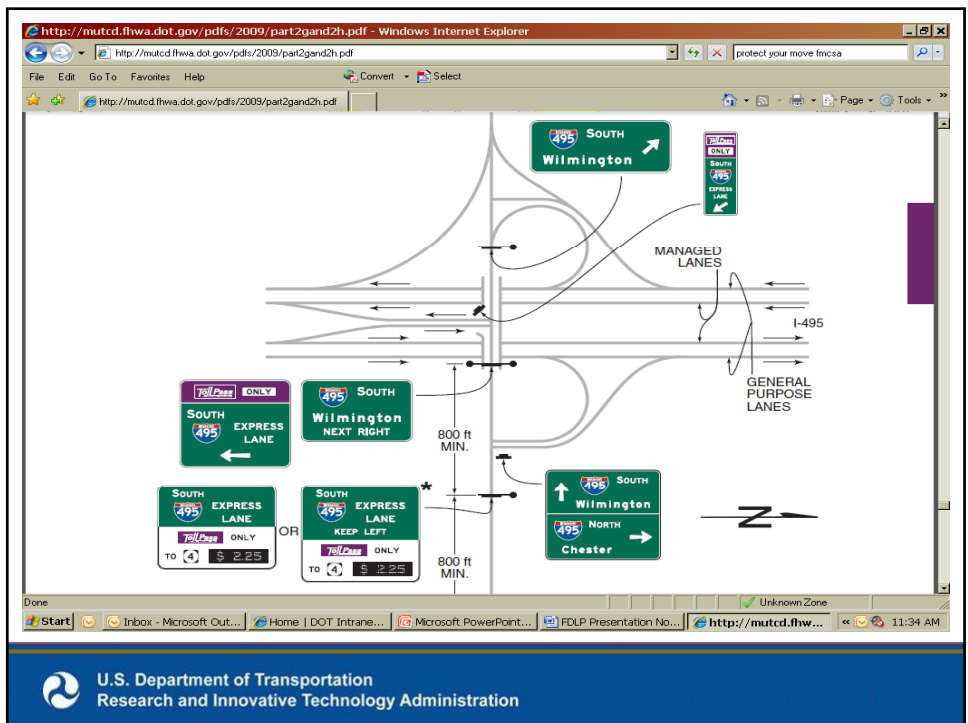
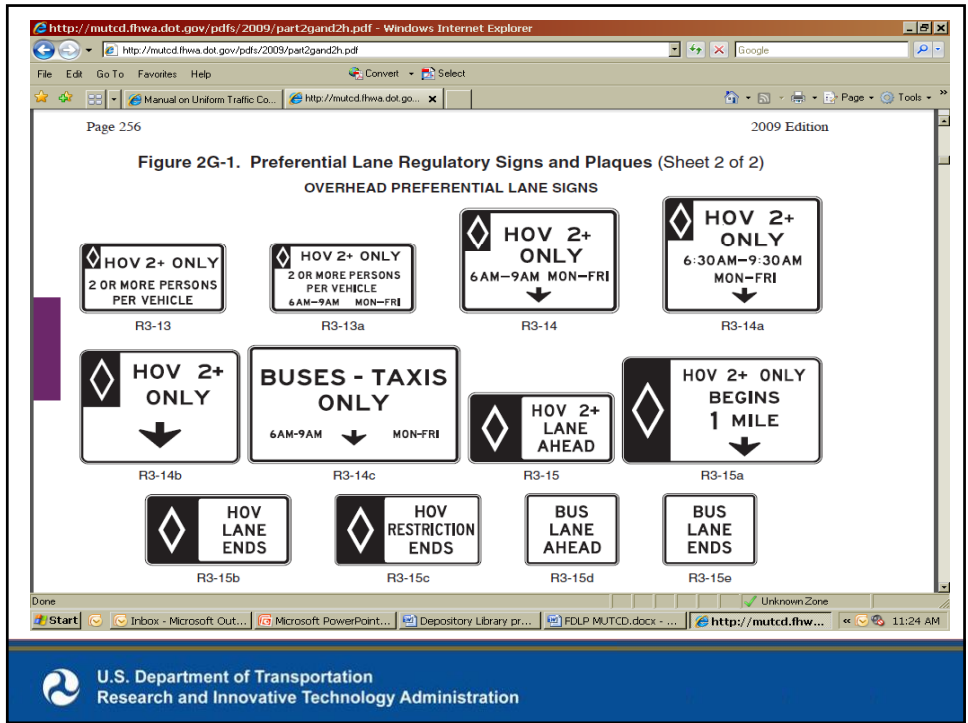
- [General Questions about the MUTCD](#)
- [Part 1 - General](#)
- [Part 2 - Signs](#)
- [Part 3 - Markings](#)
- [Part 4 - Highway Traffic Signals](#)
- [Part 5 - Traffic Control Devices for Low-Volume Roads](#)
- [Part 6 - Temporary Traffic Control](#)
- [Part 7 - Traffic Control for School Areas](#)
- [Part 8 - Traffic Control for Railroad and Light Rail Transit Grade Crossings](#)
- [Part 9 - Traffic Control for Bicycle Facilities](#)

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Table 2G-1. Managed and Preferential Lanes Sign and Plaque Minimum Sizes

Sign or Plaque	Sign Designation	Section	Conventional Road		Expressway	Freeway	Oversized
			Single Lane	Multi-Lane			
Preferential Lane Vehicle Occupancy Definition (post-mounted)	R3-10,10a	2G.04	30 x 42	30 x 42	36 x 60	78 x 96	78 x 96
Preferential Lane Periods of Operation (post-mounted)	R3-11 series	2G.05	30 x 42	30 x 42	36 x 60	78 x 96	78 x 96
Motorcycles Allowed (plaque)	R3-11P	2G.03	30 x 15	30 x 15	36 x 18	78 x 36	78 x 36
Preferential Lane Ahead or Ends (post-mounted)	R3-12 series	2G.06	30 x 42	30 x 42	36 x 60	48 x 84	48 x 84
Preferential Lane Vehicle Occupancy Definition (overhead)	R3-13,13a	2G.04	66 x 36	66 x 36	84 x 48	144 x 78	144 x 78
HOV Lane Periods of Operation (overhead)	R3-14,14a,14b	2G.05	72 x 60	72 x 60	96 x 72	144 x 108	144 x 108
Preferential Lane Periods of Operation (overhead)	R3-14c	2G.05	90 x 60	90 x 60	108 x 72	156 x 102	168 x 102
HOV Lane Ahead (overhead)	R3-15	2G.06	66 x 36	66 x 36	84 x 48	102 x 60	102 x 60
HOV Lane Begins XX Miles (overhead)	R3-15a	2G.06	78 x 42	78 x 42	102 x 54	132 x 72	132 x 72
HOV Lane Ends (overhead)	R3-15b,15c	2G.07	66 x 36	66 x 36	84 x 48	102 x 60	102 x 60
Preferential Lane Ahead or Ends (overhead)	R3-15d,15e	2G.07	42 x 36	42 x 36	54 x 48	72 x 60	72 x 60
Priced Managed Lane Vehicle Occupancy Definition (post-mounted)	R3-40	2G.17	—	—	54 x 66	54 x 66	66 x 78
Priced Managed Lane Ends (post-mounted)	R3-42,42b	2G.17	—	—	48 x 60	48 x 60	60 x 78
Priced Managed Lane Ends Advance (post-mounted)	R3-42a,42c	2G.17	—	—	48 x 66	48 x 66	60 x 84
Priced Managed Lane Vehicle Occupancy Definition	R3-43	2G.17	—	—	138 x 66	138 x 66	—

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http://mutcd.fhwa.dot.gov/pdfs/2009/part2gand2h.pdf - Windows Internet Explorer

File Edit Go To Favorites Help Convert Select

Manual on Uniform Traffic Co... http://mutcd.fhwa.dot.go...

Notes:

1. The minimum vehicle occupancy requirement and hours of operation on the sign may vary for each facility
2. See Chapter 3D for pavement markings
3. Warning signs are not shown
4. Applicable to part-time or full-time HOV restriction
5. This roadway condition indicates the HOV lane will merge with the general purpose lanes upon termination
6. Sets of R3-10 and R3-11a signs should be placed following entrance ramps and at 1/2-mile intervals along the HOV lane

1/2 mile

800 ft MIN.

1/2 mile

1/2 mile

1/4 mile

HOV LANE ENDS R3-15b

HOV LANE ENDS 1/2 MILE R3-12b

HOV 2+ ONLY PERIODS PER VEHICLE R3-10

HOV 2+ ONLY MON - FRI R3-11a

HOV 2+ ONLY 6AM-9AM MON-FRI R3-14

HOV 2+ LANE 1/2 MILE R3-15

★ Where the median width is

Done Unknown Zone

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http://mutcd.fhwa.dot.gov/pdfs/2009/part2gand2h.pdf - Windows Internet Explorer

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Manual on Uniform Traffic Co... http://mutcd.fhwa.dot.go...

**Section 2G.13 Guide Signs for Egress from Preferential Lanes to General-Purpose Lanes**

**Standard:**

- 01 For barrier-separated, buffer-separated, and contiguous preferential lanes where egress is restricted only to designated points, post-mounted Advance Guide and post-mounted Intermediate Egress Direction signs (see Figure 2G-11) shall be installed in the median or on median barriers that separate two directions of traffic prior to and at the intermediate exit points from the preferential lanes (see Figure 2G-9).
- 02 The legends of these signs shall refer to the next exit or exits from the general-purpose lanes by displaying the appropriate destination information, exit number(s), or both. The Intermediate Egress Direction signs for egress from the preferential lanes to the general-purpose lanes shall not refer to the egress as an exit.

**Support:**

- 03 Section 2G.10 contains information on the design of post-mounted guide signs applicable to a preferential lane when installed on a median barrier. Figures 2G-9 and 2G-12 show examples of signs for various geometric configurations of intermediate egress from a barrier- or buffer-separated preferential lane where access is restricted to designated locations.

**Guidance:**

- 04 Where two or more adjacent preferential lanes are present in a single direction, consideration should be given to the use of overhead guide signs to display the information related to egress from the preferential lanes.
- 05 For barrier-separated and buffer-separated preferential lanes where egress from a preferential lane to the general-purpose lanes is restricted only to designated points via a separate lane or ramp, the Advance Guide and Intermediate Egress Direction signs for the egress should be mounted overhead and a Pull-Through sign should be mounted with the Intermediate Egress Direction sign (see Figure 2G-12).

**Standard:**

- 06 For preferential lanes that incorporate a vehicle occupancy requirement, the design of the overhead Advance Guide and Egress Direction signs for intermediate egress from the preferential lanes to the general-purpose lanes shall display a white diamond symbol on a black background at the left-hand edge of the signs.
- 07 The design of Pull-Through signs when used in conjunction with an Egress Direction sign at an intermediate egress from the preferential lanes to the general-purpose lanes shall be distinguished from

Done Unknown Zone

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Who's Who - MUTCD Team - FHWA MUTCD - Windows Internet Explorer

http://mutcd.fhwa.dot.gov/Team.htm

File Edit View Favorites Tools Help

MUTCD 2009 Edition - Knowl... Who's Who - MUTCD Te... http://mutcd.fhwa.dot.gov/p...


MUTCD Home  
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Book-Design Details  
FAQs  
Technical Assistance  
Peer-to-Peer Program  
Discussion Area  
MUTCD Team  
Resources  
23 CFR 655  
Official Rulings  
Interim Approvals  
Interpretations Issued by FHWA  
State MUTCDs & TCD Info  
FHWA Contacts  
Related Links  
Federal Register

Technical Assistance

## Who's Who

### Program Areas for the MUTCD Team


Contact Addresses are Provided at the [Bottom of the Page](#)



**Hari Kalla, MUTCD Team Leader**

Contact [Hari Kalla](#) for information on:


- MUTCD Official Rulings
- Older Driver (MUTCD-related issues)
- MUTCD Part 1 - General Information
- AASHTO Traffic Engineering Subcommittee Support



Contact [Eric Ferron](#) for information on:

- MUTCD Part 2 - Regulatory and Warning Signs
- MUTCD Part 3 - Low Volume Roads
- MUTCD Part 7 - Traffic Controls for School Areas

Start | Inbox - Microsoft Out... | Microsoft PowerPoin... | Depository Library pr... | FDLP MUTCD.docx - ... | Who's Who - MUTC... | 11:35 AM

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## Office of Safety Analysis – Federal Railroad Administration

<http://safetydata.fra.dot.gov/>

FRA-Homepage - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/default.aspx

File Edit View Favorites Tools Help

FRA-Homepage

Federal Railroad Administration  
Office of Safety Analysis

You are Visitor# 7453511

Home | Crossing | Forms/Publications | Downloads\* | Data\* | Documents\* | Policies\* | Support\*

Last update: Monday, October 03, 2011

### 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](#)  
[\\*\\* Click Here for Changes in Accident/Incident Recordkeeping and Reporting\\*\\*](#)

[New mailing address for Railroad Accident/Incident Reporting](#)

#### 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

Done

Start | Inbox - Microsoft OU... | Microsoft PowerPoin... | Depository Library pr... | FDLP - FRA Office of ... | FRA-Homepage - ... | 1:31 PM

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4.05 - Casualties By State, Railroad or Type - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/casabbr.aspx

File Edit View Favorites Tools Help

4.05 - Casualties By State, Railroad or Type

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Office of Safety Analysis

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Home Crossing Forms/Publications Downloads Data Documents Policies Support

**4.05 - Casualties By State, Railroad or Type**

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

Region: All

State: New Jersey County: All

Casualty Subsets: Fatalities Only

Location: On or Near Track

Job Code Categories: All Job Code Categories

Type of Person: All

Report Sort Order: Date

Search Time Frame: 2010 January December

Accident/Incident data current through the end of July 31, 2011

Generate Report Reset

Done

U.S. Department of Transportation  
Research and Innovative Technology Administration

4.05 - Casualties By State, Railroad or Type - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/casabbr.aspx

File Edit View Favorites Tools Help

4.05 - Casualties By State, Railroad or Type

**Federal Railroad Administration**  
Office of Safety Analysis

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Home Crossing Forms/Publications Downloads Data Documents Policies Support

**4.05 - Casualties By State, Railroad or Type**

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

Region: All

State: New Jersey County: All

Casualty Subsets: Fatalities Only

Location: On or Near Track

Job Code Categories: All Job Code Categories

Type of Person: All

Report Sort Order: Worker on duty - Employee  
Employee not on duty  
Passenger on train  
Nontrespasser on rr property  
Trespassers  
Worker on duty - Contractor  
Contractor - Other  
Worker on duty - Volunteer  
Volunteer  
Nontrespasser off rr property  
Trespassers not a highway rail crossing

Search Time Frame: 2010 January December

Accident/Incident data current through the end of July 31, 2011

Generate Report Reset

Done

U.S. Department of Transportation  
Research and Innovative Technology Administration

4.05 - Casualties By State, Railroad or Type - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/casabbr.aspx

Federal Railroad Administration  
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4.05 - Casualties By State, Railroad or Type

Back to Query Page Print Version

TA = Type Accident/Incidents: 1 = Train Accident (form 54), 2 = Highway-rail (from 57), 3 = Other (form 55a)

Selections: Railroad - All Railroads  
State - NEW JERSEY County - All Counties  
All Regions  
All Job Types / On or Near Track / Fatalities Only  
Type of Person - All  
January through December, 2010  
Report Sort Sequence - Date

ObsRR	Month	Day	TA Incident Number	Type	Person	Condition/Event	StCounty	Age
1NUTR	January	08	3201001014	Trespasser	Fatality	Struck by on-track equipment	NJHUDSON	68
2NUTR	February	08	2201002069	Trespasser	Fatality	Highway-rail collision/impact	NJCAMDEN	70
3ATK	March	11	3115096	Trespasser	Fatality	Struck by on-track equipment	NJMONMOUTH	36
4NUTR	March	11	3201003143	Trespasser	Fatality	Struck by on-track equipment	NJESSEX	43
5NUTR	May	05	3201005276	Trespasser	Fatality	Struck by on-track equipment	NJPASSAIC	39
6NUTR	May	18	3201005313	Emp on trn	Fatality	Slipped, fell, stumbled, other	NJMONMOUTH	42
7NUTR	May	31	3201006338	RR Emp on duty	Fatality	Caught Between Equipment	NJHUDSON	63
8NUTR	June	02	3201006346	Trespasser	Fatality	Struck by on-track equipment	NJCAMDEN	61
9NUTR	June	02	3201006347	Trespasser	Fatality	Struck by on-track equipment	NJMONMOUTH	33
10NUTR	June	26	3201006413	Trespasser	Fatality	Struck by on-track equipment	NJUNION	29
11ATK	July	09	3116413	Trespasser	Fatality	Struck by on-track equipment	NJMIDDLESEX	37
12NUTR	July	21	2201007454	Trespasser	Fatality	Highway-rail collision/impact	NJBERGEN	41
13NUTR	July	26	3201007464	Trespasser	Fatality	Struck by on-track equipment	NJESSEX	29
14ATK	July	27	3116576	Trespasser	Fatality	Struck by on-track equipment	NJMONMOUTH	27
15NUTR	August	04	2201008489	Trespasser	Fatality	Highway-rail collision/impact	NJBERGEN	21
16NUTR	August	16	3201008514	Trespasser	Fatality	Struck by on-track equipment	NJPASSAIC	43
17ATK	August	24	3116911	Trespasser	Fatality	Struck by on-track equipment	NJMONMOUTH	31
18ATK	August	29	3116936	Trespasser	Fatality	Struck by on-track equipment	NJMONMOUTH	51
19CRSI	September	02	3054758	RR Emp on duty	Fatality	Collision - between on track equipment	NJLOUCESTER	53
20NUTR	September	21	3201009605	Trespasser	Fatality	Struck by on-track equipment	NJBERGEN	12
21CSX	September	25	3000080542	Trespasser	Fatality	Struck by on-track equipment	NJESSEX	21
22NUTR	November	10	3201011731	Trespasser	Fatality	Struck by on-track equipment	NJPASSAIC	32
23ATK	December	11	3118131	Trespasser	Fatality	Struck by on-track equipment	NJMIDDLESEX	57

U.S. Department of Transportation  
Research and Innovative Technology Administration

2.02 - Train Accident Rates - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/entally2.aspx

Federal Railroad Administration  
Office of Safety Analysis

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2.02 - Train Accident Rates

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

Type of Track: All

Cause of Accident: Train Operation - Human Factor

End Month: All

Last Year of 3 Year Comparison: Track, Roadbed and Structures  
Signal and Communication  
Mechanical and Electrical Failures  
Train Operation - Human Factor  
Miscellaneous Causes Not Otherwise Listed

the end of July 31, 2011

Generate Report Reset

U.S. Department of Transportation  
Research and Innovative Technology Administration

2.02 - Train Accident Rates - Windows Internet Explorer

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/Query/inctbl2.aspx

2.02 - Train Accident Rates

Back to Query Page Print Version

ACCIDENTS IN DESCENDING FREQUENCY BY CAUSE  
TOTAL TRAIN MILES USED FOR RATE

Selections: Railroad - All Railroads  
Human Factor / All Track Types  
January through December, 2010

	Total	Total Year Counts Total Year Rates YTD Counts Jan - YTD Rates To Dec												
		Acc	Pct	Total	2007	2008	2009	2007	2008	2009	2009	2010	2009	2010
-----GRAND TOTAL-----	3,248	100.0	1,047	909	654	1,33	1.18	0.99	654	638	0.99	0.91		
H702 Switch improperly lined	457	14.1	144	133	106	0.18	0.17	0.16	106	74	0.16	0.11		
H306 Shoving movement, absence of man	307	9.5	101	91	53	0.13	0.12	0.08	53	62	0.08	0.09		
H307 Shoving movement, failure to control	269	8.3	83	66	54	0.11	0.09	0.08	54	66	0.08	0.09		
H607 Failure to comply with restricted speed	147	4.5	40	46	34	0.05	0.05	0.05	34	27	0.05	0.04		
H302 Cars left foul	131	4.0	55	39	19	0.07	0.05	0.03	19	18	0.03	0.03		
H503 Buff/slack action excess, trn handling	112	3.4	35	27	24	0.04	0.04	0.04	24	26	0.04	0.04		
H318 Kicking or dropping cars, inadequate pre	110	3.4	31	35	21	0.04	0.05	0.03	21	23	0.03	0.03		
H704 Switch previously run through	109	3.4	32	33	16	0.04	0.04	0.02	16	28	0.02	0.04		
H018 Fail to secure car hnd brk -rr emp	106	3.3	29	33	21	0.04	0.04	0.03	21	23	0.03	0.03		
H303 Derail, failure to apply or remove	90	2.8	21	25	25	0.03	0.03	0.04	25	19	0.04	0.03		
H020 Fail to apply suff. hand brakes -rr emp	86	2.6	29	17	23	0.04	0.02	0.03	23	17	0.03	0.02		
H312 Passed couplers	86	2.6	29	25	19	0.04	0.03	0.03	19	13	0.03	0.02		
H703 Switch not latched or locked	87	2.1	21	23	8	0.03	0.03	0.01	8	15	0.01	0.02		
H021 Fail to apply car hnd brk -rr emp	51	1.6	16	15	6	0.02	0.02	0.01	6	14	0.01	0.02		
H001 Coupling speed excessive	50	1.5	13	17	13	0.02	0.02	0.02	13	7	0.02	0.01		
H402 Motor car/on-trk rules, fail to comply	49	1.5	13	9	14	0.02	0.01	0.02	14	13	0.02	0.02		
H997 Motor car or other on-track equipment ru	48	1.5	14	10	8	0.02	0.01	0.01	8	16	0.01	0.02		
H399 Other general switching rules	44	1.4	18	10	10	0.02	0.01	0.02	10	6	0.02	0.01		
H310 Failure to couple	36	1.1	16	11	6	0.02	0.01	0.01	6	3	0.01	0.00		
H999 Other train operation/human factors	36	1.1	7	11	7	0.01	0.01	0.01	7	11	0.01	0.02		
H525 Independent brake, improper use	35	1.1	15	7	11	0.02	0.01	0.02	11	2	0.02	0.00		
H221 Automatic block or interlocking signal d	34	1.0	6	12	6	0.01	0.02	0.01	6	10	0.01	0.01		
H602 Switch movement, excessive speed	33	1.0	9	9	12	0.01	0.01	0.02	12	3	0.02	0.00		
H799 Use of switches, other	30	0.9	14	8	8	0.02	0.01	0.01	8	3	0.01	0.00		
H019 Fail to release hand brk -rr emp	29	0.9	6	9	10	0.01	0.01	0.02	10	4	0.02	0.01		
H017 Failure to secure engine -rr empl	28	0.9	11	5	7	0.01	0.01	0.01	7	5	0.01	0.01		
H210 Radio communication, failure to comply	27	0.8	9	9	4	0.01	0.01	0.01	4	5	0.01	0.01		
H506 Lat DB force on curve excess, make-up	27	0.8	4	10	4	0.01	0.01	0.01	4	9	0.01	0.01		
H605 Failure to comply with restricted speed	27	0.8	6	11	7	0.01	0.01	0.01	7	3	0.01	0.00		
H993 Human factors - track	27	0.8	7	6	11	0.01	0.01	0.02	11	3	0.02	0.00		
H504 Buff/slack action excess, trn make-up	26	0.8	9	7	3	0.01	0.01	0.00	3	7	0.00	0.01		
H305 Instruction to trn/rd crew improper	25	0.8	7	12	1	0.01	0.02	0.00	1	5	0.00	0.01		

Done

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Research and Innovative Technology Administration

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

http://safetydata.fra.dot.gov/OfficeofSafety/publicsite/crossing/crossing.aspx

5.02 - Generate Crossing Inventory and Accident Reports

Federal Railroad Administration  
Office of Safety Analysis

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Home Crossing Forms/Publications Downloads Data Documents Policies Support

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 \(WRAPS\)](#)  
[Crossing Inventory Data File Reconciliation \(CIR\)](#)  
[DOT Crossing Inventory Information](#)  
[Crossing Data help](#)  
[Maps](#)  
[Notice](#)  
[Using this Site](#)

Inventory file as of: 3/31/2011  
 Accident file as of: 7/31/2011

Done

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Research and Innovative Technology Administration

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

InventoryReport[1].PDF - Adobe Acrobat Pro

File Edit View Window Help

Create [Icons] 1 / 22 95.5% Tools Comment

### U.S. DOT - CROSSING INVENTORY INFORMATION AS OF 10/3/2011

Crossing No.: 294358H Update Reason: Changed Crossing Effective Begin-Date of Record: 08/30/10  
 Railroad: UP Union Pacific RR Co. [UP ] End-Date of Record:  
 Initiating Agency State Type and Position: Public At Grade

#### Part I Location and Classification of Crossing

Division:	ST. LOUIS	State:	IL
Subdivision:	SPRINGFIELD SU	County:	SANGAMON
Branch or Line Name:	MAINLINE	City:	Near THAYER
Railroad Milepost:	0204.38	Street or Road Name:	MAIN
Railroad I.D. No.:	CSL-204.40	Highway Type & No.:	MUN1080
Nearest RR Timetable Str:	VIRDEN	HSR Corridor ID:	
Parent Railroad:		County Map Ref. No.:	39.5380500
Crossing Owner:		Latitude:	-89.7561100
ENS Sign Installed:		Longitude:	Fed. Derived
Passenger Service:		Lat/Long Source:	No
Avg Passenger Train Count:	0	Quiet Zone:	
Adjacent Crossing with Separate Number:			

**Private Crossing Information:**

Category:		Public Access:	Unknown
Specify Signs:		Specify Signs:	

ST/RR A      ST/RR B      ST/RR C      ST/RR D

Done

U.S. Department of Transportation  
Research and Innovative Technology Administration

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#### Part III: Traffic Control Device Information

<b>Signs:</b>		Highway Stop Signs:	0
Crossbucks:	4	Hump Crossing Sign:	
Advanced Warning:	Yes	Other Signs:	2 Specify: HI SPD TRN
Pavement Markings:	No Markings		0

<b>Train Activated Devices:</b>		4 Quad or Full Barrier:	
Gates:	2	Total Number FL Pairs:	0
Mast Mounted FL:	2	Cantilevered FL (Not over):	0
Cantilevered FL (Over):	0	Specify Other Flashing Lights:	
Other Flashing Lights:	0	Wigwags:	0 Bells: 2
Highway Traffic Signals:	0	Special Warning Devices Not Train Activated:	
Other Train Activated Warning Devices:		Type of Train Detection:	DC/AFO
Channelization:		Traffic Light Interconnection/Praemption:	
Track Equipped with Train Signals?	No		

#### Part IV: Physical Characteristics

Type of Development:	Open Space	Smallest Crossing Angle:	60 to 90 Degrees
Number of Traffic Lanes:	2	Are Truck Pullout Lanes Present?	No
Crossing Railroad:			
Is Highway Paved?	No		
Crossing Surface:	Timber	If Other:	
Nearby Intersecting Highway?	N/A	Is it Signalized?	
Does Track Run Down a			

Slide 28 of 78 "RITA\_PPT\_Template" 100%

U.S. Department of Transportation  
Research and Innovative Technology Administration

AccidentReport[1].PDF - Adobe Acrobat Pro

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Highway User Involved				Rail Equipment Involved										
13. Type	C. Truck-trailer A. Auto B. Truck E. Van	F. Bus D. Pick-up truck G. School Bus H. Motorcycle	J. Other Motor Vehicle K. Pedestrian L. Other (specify)	Code	17. Equipment	4. Car(s) (moving) 1. Train (units pulling) 2. Train (units pushing) 3. Train (standing)	8. Other (specify) 5. Car(s) (standing) 6. Light loco(s) (moving) 7. Light loco(s) (standing)	Code	A. Train pulling-RCL B. Train pushing-RCL C. Train standing-RCL	Code	1			
14. Vehicle Speed (est. mph at impact)	0	15. Direction (geographical)	1. North 2. South 3. East 4. West	Code	18. Position of Car Unit in Train	1								
16. Position	1. Stalled on crossing 2. Stopped on Crossing 4. Trapped	Code	2	19. Circumstance	1. Rail equipment struck highway user 2. Rail equipment struck by highway user	Code					1			
20a. Was the highway user and/or rail equipment involved in the impact transporting hazardous materials?	Code			2	20b. Was there a hazardous materials release by	Code					4			
20c. State the name and quantity of the hazardous materials released, if any														
21. Temperature (specify if minus)	45	F	22. Visibility (single entry)	1. Dawn 2. Day 3. Dusk 4. Dark	Code	4	23. Weather (single entry)	1. Clear 2. Cloudy 3. Rain 4. Fog 5. Sleet 6. Snow				Code	3	
24. Type of Equipment	A. Spec. MoW Equip 1. Freight train 4. Work train 7. Yard/switching (single entry) 2. Passenger train 5. Single car 6. Light loco(s) 3. Commuter train 6. Cut of cars 9. Main/insp. car			Code	1	25. Track Type Used by Rail Equipment Involved	1. Main 2. Yard 3. Siding 4. Industry					Code	SINGLE MAIN	
27. FRA Track Class	4	28. Number of Locomotive Units	4	29. Number of Cars	46	30. Consist Speed (Recorded if available)	R. Recorded E. Estimated	40	mph	E	31. Time Table Direction	1. North 2. South 3. East 4. West	Code	1
32. Type of Crossing	1. Gates 2. Cantilever FLS 3. Standard FLS	4. Wig wags 5. Hwy traffic signals 6. Audible	7. Crossbucks 8. Stop signs 9. Watchman	10. Flagged by crew 11. Other (specify)	Code	33. Signaled Crossing	1. Yes 2. No 3. Unknown					Code	2	
35. Location of Warning	1. Both Sides 2. Side of Vehicle Approach 3. Opposite Side of Vehicle Approach			Code	1	36. Crossing Warning Interconnected with Highway Signals	1. Yes 2. No 3. Unknown					Code	3	
38. Driver's Age	34	39. Driver's Gender	1. Male 2. Female	Code	1	40. Driver Drove Behind or in Front of Train and Struck or was Struck by Second Train	1. Yes 2. No 3. Unknown					Code	2	
41. Driver	1. Drove around or thru the gate 4. Stopped on crossing 2. Stopped and then proceeded 5. Other (specify) 3. Did not stop										Code	4		
42. Driver Passed Standing Highway Vehicle	1. Yes 2. No 3. Unknown			Code	3	43. View of Track Obscured by (primary obstruction)	1. Permanent Structure 3. Passing Train 5. Vegetation 2. Standing railroad equipment 4. Topography 6. Highway Vehicles 8. Not Obscured 7. Other (specify)					Code	8	

Done

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Research and Innovative Technology Administration

## Federal Motor Carrier Safety Administration

<http://safer.fmcsa.dot.gov/>

SAFER WEB - Windows Internet Explorer

http://safer.fmcsa.dot.gov/

SAFER WEB

Enforcement users must now use the FMCSA Portal link to SAFER to access SAFER Enforcement Related Functions.

<p><b>FMCSA Services</b></p> <ul style="list-style-type: none"> <li><a href="#">FMCSA Registration &amp; Updates</a></li> <li><a href="#">Company Safety Profile</a></li> <li><a href="#">Company Safety Profile Subscription</a></li> <li><a href="#">Online Fine Payment</a></li> <li><a href="#">MCMS Data Dissemination Catalog</a></li> </ul> <p><b>SAFER Information</b></p> <ul style="list-style-type: none"> <li><a href="#">About SAFER</a></li> <li><a href="#">SAFER News</a></li> <li><a href="#">Company Snapshot Updates</a></li> <li><a href="#">Frequently Asked Questions</a></li> </ul> <p>Enforcement Users: Please use FMCSA Portal <a href="#">Login</a></p>	<p><b>FMCSA Searches</b></p> <ul style="list-style-type: none"> <li><a href="#">Company Snapshot</a></li> <li><a href="#">Analysis &amp; Information (A&amp;I) Online</a></li> <li><a href="#">Licensing &amp; Insurance</a></li> <li><a href="#">Orders to Cease Operation (OCO)/ Out of Service Orders (OSO)</a></li> <li><a href="#">Cargo Tank</a></li> <li><a href="#">Crash Rate &amp; Inspection Out of Service (OOS) Rates for Hazardous Materials Safety Permit Program (Calculated on 10/01/2010)</a></li> <li><a href="#">FMCSA Registration Forms</a></li> <li><a href="#">Unified Carrier Registration (UCR)</a></li> <li><a href="#">Shipper Verification of Carrier Hazardous Material Safety Permit (HMSP)</a></li> </ul>	<p><b>Other FMCSA Web Sites</b></p> <ul style="list-style-type: none"> <li><a href="#">FMCSA Home Page</a></li> <li><a href="#">DataQs</a></li> <li><a href="#">FMCSA Information Systems</a></li> <li><a href="#">National HM Route Registry</a></li> <li><a href="#">ITS CVISN</a></li> <li><a href="#">FMCSA Portal</a></li> </ul>
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U.S. Department of Transportation  
Research and Innovative Technology Administration

SAFER Web - Company Snapshot - Windows Internet Explorer

http://safer.fmcsa.dot.gov/CompanySnapshot.aspx

U.S. Department of Transportation  
Federal Motor Carrier Safety Administration  
Safety and Fitness Electronic Records (SAFER) System

### Company Snapshot

The Company Snapshot is a concise electronic record of a company's identification, size, commodity information, and safety record, including the safety rating (if any), a roadside out-of-service inspection summary, and crash information. The Company Snapshot is available via an ad-hoc query (one carrier at a time) free of charge.

**Search Criteria**

Users can search by DOT Number, MC/MX Number or Company Name.

USDOT Number  
  MC/MX Number  
  Name

Enter Value:

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Federal Motor Carrier Safety Administration  
1200 New Jersey Avenue SE, Washington, DC 20590 • 1-800-832-5860 • TTY: 1-800-877-8339 • Field Office Contacts

U.S. Department of Transportation  
Research and Innovative Technology Administration

SAFER Web - Company Snapshot MAYFLOWER TRANSIT LLC - Windows Internet Explorer

http://safer.fmcsa.dot.gov/query.asp

The information below reflects the content of the FMCSA management information systems as of 10/02/2011

<b>Entity Type:</b>	Carrier		
<b>Operating Status:</b>	REGISTERED	<b>Out of Service Date:</b>	None
<b>Legal Name:</b>	MAYFLOWER TRANSIT LLC		
<b>DBA Name:</b>			
<b>Physical Address:</b>	ONE MAYFLOWER DRIVE FENTON, MO 63026		
<b>Phone:</b>	(636) 305-4000		
<b>Mailing Address:</b>	ONE MAYFLOWER DRIVE FENTON, MO 63026		
<b>USDOT Number:</b>	125563	<b>State Carrier ID Number:</b>	
<b>MC or MX Number:</b>	FF-7137 MC-2934	<b>DUNS Number:</b>	69-376-50
<b>Power Units:</b>	3,128	<b>Drivers:</b>	2,051
<b>MCS-150 Form Date:</b>	05/11/2011	<b>MCS-150 Mileage (Year):</b>	62,031,182 (2009)
<b>Operation Classification:</b>			
<input checked="" type="checkbox"/> Auth. For Hire	<input type="checkbox"/> Priv. Pass (Non-business)	<input type="checkbox"/> State Gov't	
<input type="checkbox"/> Exempt For Hire	<input type="checkbox"/> Migrant	<input type="checkbox"/> Local Gov't	
<input type="checkbox"/> Private(Property)	<input type="checkbox"/> U.S. Mail	<input type="checkbox"/> Indian Nation	
<input type="checkbox"/> Priv. Pass. (Business)	<input type="checkbox"/> Fed. Gov't		
<b>Carrier Operation:</b>			
<input checked="" type="checkbox"/> Interstate	<input type="checkbox"/> Intrastate Only (HM)	<input type="checkbox"/> Intrastate Only (Non-HM)	

U.S. Department of Transportation  
Research and Innovative Technology Administration



SAFER Web - Company Snapshot MAYFLOWER TRANSIT LLC - Windows Internet Explorer

http://safer.fmcsa.dot.gov/query.asp

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SAFER Web - Company S... SAFER WEB - Help Mayflower Moving Company L...

[ID/Operations](#) | [Inspections/Crashes In US](#) | [Inspections/Crashes In Canada](#) | [Safety Rating](#)

US Inspection results for 24 months prior to: 10/02/2011

Total inspections: 2830

Note: Total inspections may be less than the sum of vehicle, driver, and hazmat inspections. Go to [Inspections Help](#) for further information.

Inspections:

Inspection Type	Vehicle	Driver	Hazmat
Inspections	1553	2811	3
Out of Service	213	164	0
Out of Service %	13.7%	5.8%	0%
Nat'l Average % (2009-2010)	20.72%	5.51%	4.50%

Crashes reported to FMCSA by states for 24 months prior to: 10/02/2011

Crashes:

Type	Fatal	Injury	Tow	Total
Crashes	2	12	29	43

[ID/Operations](#) | [Inspections/Crashes In US](#) | [Inspections/Crashes In Canada](#) | [Safety Rating](#)

Canadian Inspection results for 24 months prior to: 10/02/2011

Total inspections: 5

Note: Total inspections may be less than the sum of vehicle and driver inspections. Go to [Inspections Help](#) for further information.

U.S. Department of Transportation  
Research and Innovative Technology Administration

SAFER Web - Company Snapshot MAYFLOWER TRANSIT LLC - Windows Internet Explorer

http://safer.fmcsa.dot.gov/query.asp

File Edit View Favorites Tools Help Convert Select

SAFER Web - Company S... SAFER WEB - Help Mayflower Moving Company L...

Crashes results for 24 months prior to: 10/02/2011

Crashes:

Type	Fatal	Injury	Tow	Total
Crashes	0	0	0	0

[ID/Operations](#) | [Inspections/Crashes In US](#) | [Inspections/Crashes In Canada](#) | [Safety Rating](#)

The Federal safety rating does not necessarily reflect the safety of the carrier when operating in intrastate commerce.

Carrier Safety Rating:

The rating below is current as of: 10/02/2011

Review Information:

Rating Date:	05/12/2011	Review Date:	04/11/2011
Rating:	Satisfactory	Type:	Compliance Review

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Federal Motor Carrier Safety Administration  
Licensing and Insurance Public

Enter information for query. If you know the **USDOT Number** or **Docket Number**, that is all that needs to be entered. If you do not know the **USDOT Number** or **Docket Number**, you can search on any combination of **Legal Name**, **DBA Name (Doing-Business-As Name)**, or **State** to narrow the search. If searching by name please use a state to limit the search. The search always looks for a legal or DBA name which begins with the text entered. If the wild card character ( \* ) is the first position entered, the search will look for a legal or DBA name which contains the text entered, but this search will take longer.

**Search parameters must be specified.**

**USDOT Number:**   
**Docket Number:**    
**Legal Name:**   
**DBA Name:**   
**State:**

October 3, 2011


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Research and Innovative Technology Administration

FMCSA Motor Carrier

USDOT Number: **125563**  
 Docket Number: **MC002934**  
 Legal Name: **MAYFLOWER TRANSIT, LLC**  
 DBA (Doing-Business-As) Name **AERO MAYFLOWER TRANSIT COMPANY**



**Insurance History:**

Form: <b>91X</b>	Type: <b>BIPD/Primary</b>	Coverage From: <b>\$0</b>	To: <b>\$1,000,000</b>
Policy/Surety Number: <b>BAO1501603</b>	Effective Date From: <b>11/01/1995</b>	To: <b>04/28/2000</b>	Disposition: <b>Name Changed</b>

Insurance Carrier: VANLINER INSURANCE COMPANY  
 Attn:  
 Address: ONE PREMIER DRIVE, P.O.BOX26352  
 FENTON, MO 63026 US  
 Telephone: (636) 343 - 9889 Fax: (636) 305 - 4270

Form: <b>91X</b>	Type: <b>BIPD/Primary</b>	Coverage From: <b>\$0</b>	To: <b>\$1,000,000</b>
Policy/Surety Number: <b>BA01501600</b>	Effective Date From: <b>04/01/1994</b>	To: <b>11/01/1995</b>	Disposition: <b>Replaced</b>

Insurance Carrier: VANLINER INSURANCE COMPANY  
 Attn:  
 Address: ONE PREMIER DRIVE, P.O.BOX26352  
 FENTON, MO 63026 US  
 Telephone: (636) 343 - 9889 Fax: (636) 305 - 4270

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Registration and Licensing - Federal Motor Carrier Safety Administration - Windows Internet Explorer

http://www.fmcsa.dot.gov/registration-licensing/registration-licensing.htm

U.S. Department of Transportation  
Federal Motor Carrier Safety Administration

HOME | RULES & REGULATIONS | REGISTRATION & LICENSING | SAFETY & SECURITY | FACTS & RESEARCH | ABOUT FMCSA

Registration & Licensing

Overview

Company Registration

- Registration Overview
- What is a HM Safety Permit?
- What is a USDOT Number?
- What is Operating Authority?
- Registration Steps
- What Forms Do I need?
- Licensing & Insurance Requirements
- New Company Requirements (New Entrant Program)

How to Register

- Online Registration
- Download Registration Forms

Find a Company's Status

By USDOT Number/Name

Background on Registration

- Registration Overview
- What is a USDOT Number?
- What is Operating Authority?
- Registration Steps
- What Forms Do I need?
- Licensing & Insurance
  - Process Agent or Insurance Filing
  - What is a Process Agent?
  - Cargo Insurance Requirement for HHG Carriers and HHG Freight Forwarders
- New Company Requirements (New Entrant Program)
- Commercial Driver's License (CDL) Program
- Medical Requirements

Related Registration Information

- Changes to the New Entrant Safety Assurance Program Brochure (PDF)
- How to Comply with Federal Hazardous Materials Regulations
- Safety is Good Business-Crashes Hurt Your Bottom Line
- Educational Materials
- Small Passenger-carrying Vehicles

How to Register

- Online Registration for USDOT Number, Operating Authority (MC/MX/FF Numbers), and Cargo Tank Number (CT Number)
- Download Registration Forms

Driver

- Commercial Driver's License (CDL) Program
- Medical Form (PDF)

Find a Company's Status

- SAFER System (USDOT Number)
- Licensing & Insurance System (Operating Authority)
  - BOC3 Filing
  - Blanket Companies
  - Carrier Search
  - FMCSA Register
  - Insurance Filing
  - Mexico Application Status
  - Out of Service Carriers

U.S. Department of Transportation  
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FMCSA – Protect Your Move  
<https://www.protectyourmove.gov/>

Index - Protect Your Move - Windows Internet Explorer

https://www.protectyourmove.gov/index.aspx

U.S. Department of Transportation  
Federal Motor Carrier Safety Administration  
The Household Goods Program

HOME | ARE YOU MOVING? | SEARCH MOVERS & COMPLAINT HISTORY | STATE/LOCAL RESOURCES | REGULATIONS & ENFORCEMENT | ABOUT US

protect your memories. money. move.

Make moving day a happy memory.  
Avoid moving fraud. Protect your move here.

Before Your Move

- Ready To Move? Tips for a Successful Move
- Moving Checklist
- Protect Yourself Against Fraud
- Red Flags
- Choosing a Reputable Mover
- Consumer Rights & Responsibilities
- Understanding Valuation & Insurance Options
- Unexpected Price Increase?
- Frequently Asked Questions

Don't Become a Victim of Moving Fraud!

Public Service Announcement (PSA)

Don't be a victim. Carefully plan your move and select the "right" mover for you, your family and your property.

Download PSA Video:

Important Resources

- Search Movers/Brokers & Complaint History
- State & Local Resources
- Regulations & Enforcement
- Glossary of Terms

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## Ready To Move?

Protect Your Move - Federal Motor Carrier Safety Administration - Windows Internet Explorer

https://www.protectyourmove.gov/consumer/awareness/tips/ReadyToMove-2006-april.htm

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Overview

**Plan a Successful Move**

Protect Yourself from Moving Fraud

Ready to Move?

Moving Checklist

Valuation & Insurance

Your Rights & Responsibilities

Glossary of Terms

Frequently Asked Questions (FAQ)

**Complaints**

File a Complaint

Contacts in Your State

### Ready to Move? Tips for a Successful Interstate Move

Make sure you have the information you need to "Protect Your Memories, Your Money, Your Move," from moving fraud.

The best defense against moving fraud is to be informed and aware of your options when choosing a reputable mover. While most household moves go smoothly, there are dishonest or "rogue" movers you should be aware of.

Click here for more information on interstate moves.

ProtectYourMove.gov links you to other government, law enforcement and moving industry information sources. This is very important if you're looking for more detailed State and local information, including how to file a complaint.

**Topics Covered in the Brochure** [Download PDF Version]:

- Know Your Rights and Responsibilities Before Selecting a Mover
- Use Only Registered Movers
- Read and Understand All Information Provided by the Mover
- What If There Is a Problem?
- Key Definitions
- Remember
- Moving Checklist
- Questions?

---

**Know Your Rights and Responsibilities Before Selecting a Mover**

Before moving your household goods, movers are required to give you this brochure and a booklet entitled *Your Rights and Responsibilities When You Move*. They provide basic information that will help you understand the documents that a mover will ask you to sign. The booklet also explains your rights if your household goods are lost or damaged. Copies of this brochure and booklet can be downloaded from the Web site [www.protectyourmove.gov](http://www.protectyourmove.gov), which has additional helpful consumer information.

Print

**Related Links**

Download PDF Version of Brochure (7.6 MB)

Special PDF Version of Brochure

Your Rights and Responsibilities When You Move

File a Complaint

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## Valuation & Insurance

Protect Your Move - Understanding Valuation and Insurance Options - Federal Motor Carrier Safet - Windows Internet Explorer

https://www.protectyourmove.gov/consumer/awareness/valuation/valuation-insurance.htm

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**(1) Full Value Protection**

Under **Full Value Protection**, your mover is liable for the replacement value of lost or damaged goods in your entire shipment. This is the more comprehensive plan available for the protection of your belongings. Unless you select the alternative level of liability described below—**Released Value**—your mover will transport your shipment under the Full Value Protection level of liability. If any article is lost, destroyed or damaged while in your mover's custody, your mover will, at its discretion, offer to do one (1) of the following for each item:

- Repair the item
- Replace with a similar item
- Make a cash settlement for the cost of the repair or the current market replacement value

Under this option, movers are permitted to limit their liability for loss or damage to articles of extraordinary value, unless you specifically list these articles on the shipping documents. An article of extraordinary value is any item whose value exceeds \$100 per pound (i.e., *jewelry, silverware, china, furs, antiques*). Ask your mover for a written explanation of this limitation before your move.

The exact cost for Full Value Protection varies by mover and may be subject to various deductible levels of liability that may reduce your cost. Ask your mover for written details of their Full Value Protection plan.

**(2) Released Value**

The most economical protection available is **Released Value**, since it is offered at no additional charge. However, the protection is minimal. Under this option, the mover assumes liability for no more than **60 cents per pound per article**. For example, if your mover lost or damaged a 10-pound stereo component valued at \$1,000, you would only receive \$6.00 in compensation (60 cents x 10 pounds).


There is **no additional charge** for Released Value. However, you **must** sign a specific statement on the bill of lading or contract agreeing to it. But remember, it compensates you according to the weight of the item, not its actual value. And, if you do not select Released Value, your shipment will **automatically be transported at the Full Value Protection level of liability** and you will be assessed the applicable charge.

Full Value Protection and Released Value are not insurance policies governed by State insurance laws; instead, they are Federal contractual tariff levels of liability authorized under Released Rates Orders of the Surface Transportation Board of the U.S. Department of Transportation.


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## Your Rights And Responsibilities When You Move


**U.S. Department of Transportation**  
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## Searching For Specific Movers


**U.S. Department of Transportation**  
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Company Detail - Windows Internet Explorer

http://ai.fmcsa.dot.gov/hhg/SearchDetails.asp?ads=hid-31413504&id2=31372301&=CNS%3D1%26CN%3D%26search%3D1%26

**AERO MAYFLOWER TRANSIT COMPANY**

Back to Search Results

The information below is based on data from 9/23/2011

Name	: AERO MAYFLOWER TRANSIT COMPANY	Safety Rating	: Satisfactory
USDOT Number	: 125563	Review Date	: 4/11/2011
MC #	: 2934	Most recent Safety Rating Data	
Address	: ONE MAYFLOWER DRIVE FENTON, MO 63025	Licensing & Insurance Status	: Registered
Mailing Address	: Same as above	Most recent Insurance Data	
Telephone	: (636)305-4000		
Fax	: (636)349-2764		

The National Consumer Complaint Database (NCCDB) allows consumers to file complaints regarding household goods moving companies, including carriers and freight forwarders. This system also allows HHG companies the ability to view the individual details of the complaints and to challenge fraudulent complaints. In order to access this system, please visit: <http://nccdb.fmcsa.dot.gov>.

The following table reports the number of complaints lodged in the NCCDB against the selected HHG company. When making comparison between companies, it is important to take into account the size of the companies. Larger companies are capable of handling more moves, and therefore, are more likely to have complaints lodged against them. The data shown above under fleet size can be used for assessing the size of a company.

Year	Total Complaints <sup>a</sup>
2011	10

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Company Detail - Windows Internet Explorer

http://ai.fmcsa.dot.gov/hhg/SearchDetails.asp?ads=hid-31413504&id2=31372301&=CNS%3D1%26CN%3D%26search%3D1%26

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Year	Total Complaints <sup>a</sup>
2011	10
2010	16
2009	12
2008	14
2007	31
2006	40
2005	32
2004	40

Year	Complaints by Category <sup>b</sup>										
	Unauthorized Operations	Shipment Documents	Estimates/Final Charges	Weighing	Hostage	Pickup and Delivery	Loss and Damage	Claim Settlement	Other Commercial Complaints	Non-Categorized	
2011	0	5	3	2	0	2	7	4	0	0	
2010	1	3	4	4	0	7	7	4	0	0	
2009	0	2	8	1	0	4	6	4	1	0	
2008	0	3	4	1	0	5	8	6	2	0	
2007	0	4	2	4	0	5	24	10	3	1	
2006	0	9	0	7	1	0	31	0	4	4	
2005	0	4	0	3	2	8	25	0	0	2	
2004	0	4	0	2	5	7	31	1	4	3	

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http://ai.fmcsa.dot.gov/hhg/complaint\_category.asp

**SHIPMENT DOCUMENTS**

- Carrier did not provide a copy of the "Your Rights And Responsibilities When You Move" pamphlet.
- Carrier did not provide written description of the complaint or inquiry process.
- Carrier did not prepare or provide an order for service.
- Carrier did not inform the shipper of the availability of a neutral arbitration process.
- Carrier did not prepare or provide an itemized inventory of every carton and uncartoned item included in the shipment.
- Carrier did not prepare or provide a bill of lading.

**ESTIMATES/FINAL CHARGES**

- Carrier did not provide a concise, easy-to-read written (binding or non-binding) estimate of the charges.
- Carrier did not honor the form of payment specified in the estimate.
- Carrier did not honor a binding estimate.
- Carrier requested more than 110% of a non-binding estimate at the time of delivery of the shipment.
- Estimated freight charges: \$
- Total deposit paid prior to pickup: \$
- Total freight charges requested at delivery: \$

**WEIGHING**

- Carrier did not provide weigh ticket(s) or an opportunity for the shipper to observe the weighing.
- Carrier would not re-weigh the shipment when requested by the shipper.
- Carrier would not base the final freight charges on the re-weighed amount.

**HOSTAGE**

- Carrier did not relinquish possession of a shipment.
- Number of days the shipment was held beyond delivery:
- Amount requested from carrier in order to deliver shipment: \$

**PICKUP AND DELIVERY**

- Carrier did not notify the shipper of a service delay in the shipment pickup.
- Scheduled pickup date:
- Actual pickup date:
- Carrier did not notify the shipper of a service delay in the shipment delivery.
- Scheduled delivery date:

Done

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Company Detail | Carrier Overview

**Behavior Analysis and Safety Improvement Categories (BASICS)**

BASICS Overview	On-Road Investigation	BASICS Status
Unsafe Driving	77.9%	⚠️
Fatigued Driving	72.7%	⚠️
Driver Fitness	74.2%	⚠️
Controlled Substances and Alcohol	88.2%	⚠️
Vehicle Maintenance	71%	⚠️

Please visit the Safety Measurement System for more information.

⚠️ Serious violation cited within last 12 months from an investigation.

⚠️ Denotes this carrier exceeds the FMCSA intervention threshold relative to its safety event grouping based upon roadside data and/or has been cited with one or more serious violations within the past 12 months during an investigation. Therefore, this carrier may be prioritized for an intervention action and roadside inspection.

**BASIC percentiles range between 0 (best) and 100 (worst) and are calculated for companies with sufficient data related to each BASIC. Within each BASIC, a percentile is assigned from 0 to 100 based on the companies' safety compliance. For example, a percentile value of 95 means that the company performed WORSE than 95% of the companies in the group (higher BASIC measures indicate less compliance).**

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**Carrier Overview - Windows Internet Explorer**

http://a.fmcsa.dot.gov/SMS/Data/Carrier.aspx?enc=UHSC-Rh8F0255Py/Vc-DVG++d+g0Hv81YjakaeSvw

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Carrier Overview

**Select a BASIC below to view details**

**BASICs Overview**  
(Based on a 24-month record ending September 23, 2011)

BASIC	On-Road	Investigation	BASICs Status
Unsafe Driving	77.9%		
Fatigued Driving (Hours-of-Service)	72.7%		
Driver Fitness	74.2%		
Controlled Substances and Alcohol	88.2%		
Vehicle Maintenance	71%		
Cargo-Related	Not Public	Not Public	Not Public
Crash Indicator	Not Public	Not Applicable	Not Public

**USE OF SMS DATA INFORMATION**

For more information on the BASICs Overview please visit our [Information Center](#).

**ICON LEGEND**

Serious violation cited within last 12 months from an investigation.

Denotes this carrier exceeds the FMCSA intervention threshold relative to its safety event grouping based upon roadside data and/or has been cited with one or more serious violations within the past 12 months during an investigation. Therefore, this carrier may be prioritized for an intervention action and roadside inspection.

**View Complete Measurement Profile**

**SUMMARY OF ACTIVITIES**

	Number	OOS Rate
<b>Total Inspections:</b>	2,840	
Vehicle Inspections:	1,550	14 %
Driver Inspections:	2,821	6 %
Hazardous Materials Inspections:	3	0 %
HM Placard Inspections:	0	0 %
<b>Total Crashes:</b>	42	
Tow-aways:	40	
Injuries/Fatalities:	14	

**RECENT INVESTIGATIONS**

The following are up to five most recent investigations:

Intervention Type	Date
Onsite Comprehensive Investigation	4/11/2011
Onsite Focused Investigation	2/5/2009
Non-Rettable Review	11/19/2008
Non-Rettable Review	9/13/2006
Compliance Review	4/1/2002

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**Unsafe Driving - Windows Internet Explorer**

http://a.fmcsa.dot.gov/SMS/Data/BASICs.aspx?enc=UHSC-Rh8F0255Py/Vc-DvGIAWvW3HvH7L3NU4fzo=

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Unsafe Driving

**On-road Performance Overview**

**77.9%**

MEASURE: 0.88

PERCENTILE: 77.9%

(Threshold: 65%)

Safety Event Grouping: 50+ Straight

Average Power Units: 3,128  
 Vehicle Miles Traveled (VMT): 56,981,135  
 VMT, year: 2011. VMT Source: Investigation - MC5151

Average Power Units (APU) x Utilization Factor (UF): 3,128.0  
 Total Inspections with Unsafe Driving Violations: 321  
 Total Unsafe Driving Violations: 336

The Unsafe Driving measure/percentile is based on Roadside Inspection reports. Some Unsafe Driving violations are reported when a Roadside Inspection was performed following a traffic stop for the Unsafe Driving violation. These reported violations do not always result in the issuance of a citation to the driver.

**UNSAFE DRIVING VIOLATIONS**

Violation	Description	# Total Violations	# OOS Violations	Violation Weight
582.14	Failed to use caution for hazardous condition	1	0	5
582.16	Failing to use seat belt while operating CMV	63	0	7
582.22(a)	Failing to use hazard warning flashers	4	0	1
582.2C	Failure to obey traffic control device	20	0	5
582.2FC	Following too close	21	0	5
582.2LC	Improper lane change	12	0	5
582.2LV	Lane Restriction violation	3	0	3
582.2P	Improper passing	1	0	5
582.2B	Improperly making and/or executing a turn	3	0	5

**Information Center**

Select a topic below to view information:

- How can a carrier improve in the Unsafe Driving BASIC?
- What are the intervention thresholds for each BASIC?
- How long are violations/crashes on my SMS results?
- What should a motor carrier do after receiving a warning letter?

[View all possible Unsafe Driving violations](#)

[Request a data correction review](#)

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Unsafe Driving - Windows Internet Explorer

http://ai.fmcsa.dot.gov/SMS/Data/BASICs.aspx?enc=UH5CD-Rh8F0285Fp/NC-DivGIAWw3HvH7k.3Nu4fz0=

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Unsafe Driving

### INSPECTION HISTORY

Report			Vehicle			Measure		
Inspection Date	#	ST	Plate #	Lic ST	Type	Severity Weight (A)	Time Weight (B)	Time Severity Weight (AxB)
9/11/2011	EL0578003222	FL	B808DR	FL	Straight Truck	7	3	21
Violation: 392.16 Failing to use seat belt while operating CMV (Non-OOB)								
9/10/2011	IN7420003712	IN	89AN8P	MO	Truck Tractor	1	3	3
Violation: 392.2-SLLS1 State/Local Laws - Speeding 1-5 miles per hour over the speed limit (Non-OOB)								
9/10/2011	OR000823723	OR	5871PE	ON	Truck Tractor	10	3	30
Violation: 392.2-SLLS4 State/Local Laws - Speeding 15 or more miles per hour over the speed limit (Non-OOB)								
9/9/2011	NC000414943	NC	76900	NE	Truck Tractor	7	3	21
Violation: 392.16 Failing to use seat belt while operating CMV (Non-OOB)								
9/8/2011	NH3481102148	NH	DSAP1K	MO	Truck Tractor	1	3	3
Violation: 392.2-SLLS1 State/Local Laws - Speeding 1-5 miles per hour over the speed limit (Non-OOB)								
8/31/2011	MD000C019316	MD	18387PB	NY	Straight Truck	1	3	3
Violation: 392.00(a) Unauthorized passenger on board CMV (Non-OOB)								
8/31/2011	NM3615101108	NM	DSAP1J	MO	Truck Tractor	1	3	3
Violation: 392.2-SLLS1 State/Local Laws - Speeding 1-5 miles per hour over the speed limit (Non-OOB)								
8/30/2011	NH3454103812	NH	86APDH	MO	Truck Tractor	4	3	12
Violation: 392.2-SLLS2 State/Local Laws - Speeding 5-10 miles per hour over the speed limit (Non-OOB)								
8/29/2011	CA3303092378	CA	24AP2J	MO	Truck Tractor	5	4	15
Violation: 392.23 Speeding (Non-OOB)								
8/17/2011	IN6693002143	IN	3DAM8N	MO	Truck Tractor	4	3	12
Violation: 392.2-SLLS2 State/Local Laws - Speeding 5-10 miles per hour over the speed limit (Non-OOB)								

Go to Page: 1 Previous Next Inspections per page: 10

Displaying 1 - 10 of 321 Inspections

\*\*\*The sum of all violation severity weights (viol weight \* OOB) for this inspection has been capped at 30.

U.S. Department of Transportation  
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## Pipeline and Hazardous Materials Safety Administration

<http://www.phmsa.dot.gov/>

PHMSA - Home - Windows Internet Explorer

http://www.phmsa.dot.gov/

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**PHMSA**  
U.S. Department of Transportation  
Pipeline and Hazardous Materials  
Safety Administration

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- About PHMSA
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- Key Officials
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**Promoting Safety & Security**

- Regulations
- Special Permits & Approvals
- International Standards
- Security
- Initiatives

**Encouraging Compliance**

- Training Resources
- Outreach
- Inspections & Enforcement
- Drug & Alcohol Testing

**Supporting Community Response**

PHMSA's mission is to protect people and the environment from the risks inherent in transportation of hazardous materials - by pipeline and other modes of transportation.

**1090**

**PHMSA**

**Latest News**

- New! PHMSA Supports GreenGov and Protecting the Environment
- New! PHMSA To Hold Emergency Responder Forum
- New! Pipeline Safety: Safety of Gas Transmission Pipelines - ADRPM
- New! USDOT Seeks Comment on Possible New Gas Pipeline Safety Measures
- PHMSA Advisory Warns Pipeline Owners/Operators of Pipeline Hazards
- Safety Alert - Unauthorized Marking of Compressed Gas Cylinders
- More PHMSA News
- Speeches and Remarks
- Sign Up for Updates
- Sign up for email notification of changes to specified areas of the site.

**Latest Events**

**Pipeline Safety Awareness Site**

**PIPELINE SAFETY AWARENESS**

- Proceedings from the National Pipeline Safety Forum
- Visit the new Pipeline Safety Awareness Site
- U.S. Department of Transportation Launches Pipeline Safety Awareness Webinars
- View the April 18th Pipeline Safety Forum Webcast

**Pipelines and Informed Planning Alliance**

U.S. Department of Transportation  
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## Emergency Response Guidebook (ERG)

PHMSA - Training Publications and Modules - Emergency Response Guidebook (ERG) - Windows Internet Explorer

http://www.phmsa.dot.gov/porta/site/PHMSA/menuitem.ebd77a8a7e3912e55c1050248a0c7vgnxtoid=eBfec457e196d1

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**Promoting Safety & Security**

- Regulations

### Emergency Response Guidebook (ERG)

**Overview**

**...Helps You Find Emergency Procedures Quickly**

The Emergency Response Guidebook (ERG2008) was developed jointly by the US Department of Transportation, Transport Canada, and the Secretariat of Communications and Transportation of Mexico (SCT) for use by firefighters, police, and other emergency services personnel who may be the first to arrive at the scene of a transportation incident involving a hazardous material. It is primarily a guide to aid first responders in (1) quickly identifying the specific or generic classification of the material(s) involved in the incident, and (2) protecting themselves and the general public during this initial response phase of the incident. The ERG is updated every three to four years to accommodate new products and technology. The next version is scheduled for 2012.

DOT's goal is to place one ERG2008 in each emergency service vehicle, nationwide, through distribution to state and local public safety authorities. To date, nearly eleven million copies have been distributed without charge to the emergency response community. Copies are made available free of charge to public emergency responders through **State Coordinators** (refer to the menu on the right) in the United States of America. In Canada, contact CANUTEC at 613-992-4824 or via email at [canutes@ctd.ca](mailto:canutes@ctd.ca) for distribution information. In Mexico, call SCT at 52-5-684-1279. Copies are also available commercially through the [www.kg.ca](http://www.kg.ca) website and other commercial vendors. For a PC download of the 2008 ERG and more information from <http://www.kg.ca/CA/UTEC/en/GUIDE/menu.htm>.

[Internet interactive ERG2008 English version](#)

[Internet interactive ERG2008 Spanish version](#)

[Powerpoint training presentation on the ERG2008 English and Spanish version](#)

[ERG2008 free downloadable database in three languages](#)

**In This Article:**

- Overview
- Before an Emergency
- State Coordinators
- Argonne National Laboratory Report
- ERG Data Files (XLS)
- Enclosure mobile Software Downloads

**Related Downloads:**

- ERRATA (list of changes to the current ERG)
- Commercial Suppliers List (PDF)
- Current ERG (PDF)
- Current Spanish ERG (PDF)
- Argonne National Laboratory Report (PDF)

**Related Links:**

- Watch Video: How to Use the ERG
- Download Video: How to Use the ERG
- National Library of Medicine's WISER (Wireless Information System for Emergency Responders) Software
- ERG Government Forum

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# 2008

## Emergency Response Guidebook

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**SAFETY PRECAUTIONS**

**APPROACH CAUTIOUSLY FROM UPWIND.** If wind direction allows, consider approaching the incident from uphill. Resist the urge to rush in; others cannot be helped until the situation has been fully assessed.

**SECURE THE SCENE.** Without entering the immediate hazard area, isolate the area and assure the safety of people and the environment, keep people away from the scene and outside the safety perimeter. Allow enough room to move and remove your own equipment.


**IDENTIFY THE HAZARDS.** Placards, container labels, shipping documents, material safety data sheets, Rail Car and Road Trailer Identification Charts, and/or knowledgeable persons on the scene are valuable information sources. Evaluate all available information and consult the recommended guide to reduce immediate risks. **Additional information, provided by the shipper or obtained from another authoritative source, may change some of the emphasis or details found in the guide.** Remember, the guide provides only the most important and worst case scenario information for the initial response in relation to a family or class of dangerous goods. As more material-specific information becomes available, the response should be tailored to the situation.

**ASSESS THE SITUATION.** Consider the following:

- Is there a fire, a spill or a leak?
- What are the weather conditions?
- What is the terrain like?

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**HOW TO USE THIS GUIDEBOOK DURING AN INCIDENT INVOLVING DANGEROUS GOODS**

**STEP ONE: IDENTIFY THE MATERIAL. USE ANY OF THE FOLLOWING:**

- IDENTIFICATION NUMBER (4-DIGIT ID) FROM A PLACARD, ORANGE PANEL, SHIPPING PAPER OR PACKAGE (after UN/NA)
- NAME OF THE MATERIAL FROM A SHIPPING DOCUMENT OR PACKAGE

**STEP TWO: IDENTIFY 3-DIGIT GUIDE NUMBER USE:**

- ID NUMBER INDEX in yellow-bordered pages or
- NAME OF MATERIAL INDEX in blue-bordered pages


Guide number supplemented with the letter "P" indicates that the material may undergo violent polymerization if subjected to heat or contamination.

**INDEX ENTRIES HIGHLIGHTED IN GREEN** are TIH (Toxic Inhalation Hazard) material, a chemical warfare agent or a Dangerous Water Reactive Material (produces toxic gas upon contact with water). **IDENTIFY ID NUMBER AND NAME OF MATERIAL IN TABLE 1 – INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES (the green-bordered pages). IF NECESSARY, BEGIN PROTECTIVE ACTIONS IMMEDIATELY** (see Protective Actions page 296). If no protective action required, use the information jointly with the 3-digit guide.

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### RESPONSE GUIDE TO USE ON-SCENE

USING THE SHIPPING DOCUMENT, NUMBERED PLACARD, OR ORANGE PANEL NUMBER

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### ROAD TRAILER IDENTIFICATION CHART\*

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ID No.	Guide No.	Name of Material	ID No.	Guide No.	Name of Material
1030	115	1,1-Difluoroethane	1046	121	Helium
1030	115	Difluoroethane	1046	121	Helium, compressed
1030	115	Refrigerant gas R-152a	1048	125	Hydrogen bromide, anhydrous
1032	118	Dimethylamine, anhydrous	1049	115	Hydrogen
1033	115	Dimethyl ether	1049	115	Hydrogen, compressed
1035	115	Ethane	1050	125	Hydrogen chloride, anhydrous
1035	115	Ethane, compressed	1051	117	AC
1036	118	Ethylamine	1051	117	Hydrocyanic acid, aqueous solutions, with more than 20% Hydrogen cyanide
1037	115	Ethyl chloride	1051	117	Hydrogen cyanide, anhydrous, stabilized
1038	115	Ethylene, refrigerated liquid (cryogenic liquid)	1051	117	Hydrogen cyanide, stabilized
1039	115	Ethyl methyl ether	1052	125	Hydrogen fluoride, anhydrous
1039	115	Methyl ethyl ether	1053	117	Hydrogen sulfide
1040	119P	Ethylene oxide			

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**TABLE 1 - INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES**

ID No.	NAME OF MATERIAL	SMALL SPILLS (From a small package or small leak from a large package)				LARGE SPILLS (From a large package or from many small packages)			
		First ISOLATE in all Directions		Then PROTECT persons Downwind during-		First ISOLATE in all Directions		Then PROTECT persons Downwind during-	
		Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)	Meters	(Feet)	DAY Kilometers (Miles)	NIGHT Kilometers (Miles)
3162	Liquefied gas, poisonous, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)	
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone A)	100 m	(300 ft)	0.5 km (0.3 mi)	2.1 km (1.3 mi)	800 m (2500 ft)	4.4 km (2.7 mi)	8.9 km (5.6 mi)	
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone B)	30 m	(100 ft)	0.2 km (0.1 mi)	0.8 km (0.5 mi)	400 m (1250 ft)	1.9 km (1.2 mi)	4.8 km (3.0 mi)	
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone C)	30 m	(100 ft)	0.1 km (0.1 mi)	0.4 km (0.2 mi)	200 m (600 ft)	1.0 km (0.6 mi)	3.2 km (2.0 mi)	
3162	Liquefied gas, toxic, n.o.s. (Inhalation Hazard Zone D)	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	150 m (500 ft)	0.7 km (0.5 mi)	2.7 km (1.7 mi)	
3246	Methanesulfonyl chloride	30 m	(100 ft)	0.1 km (0.1 mi)	0.1 km (0.1 mi)	30 m (100 ft)	0.2 km (0.1 mi)	0.2 km (0.2 mi)	
3275	Nitriles, poisonous, flammable, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3275	Nitriles, toxic, flammable, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3276	Nitriles, poisonous, liquid, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3276	Nitriles, poisonous, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3276	Nitriles, toxic, liquid, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3276	Nitriles, toxic, n.o.s.	30 m	(100 ft)	0.1 km (0.1 mi)	0.2 km (0.1 mi)	60 m (200 ft)	0.5 km (0.3 mi)	0.9 km (0.5 mi)	
3278	Organophosphorus compound, poisonous, liquid, n.o.s.	30 m	(100 ft)	0.4 km (0.3 mi)	1.2 km (0.8 mi)	200 m (600 ft)	2.6 km (1.6 mi)	4.5 km (2.8 mi)	
3278	Organophosphorus compound, poisonous, n.o.s.	30 m	(100 ft)	0.4 km (0.3 mi)	1.2 km (0.8 mi)	200 m (600 ft)	2.6 km (1.6 mi)	4.5 km (2.8 mi)	

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**ERG2008** **EXPLOSIVES\* - DIVISION 1.4; CLASS C** **GUIDE 114**

**EMERGENCY RESPONSE**

**FIRE**

**CARGO Fire**

- **DO NOT** fight fire when fire reaches cargo! Cargo may **EXPLODE!**
- Stop all traffic and clear the area for at least 500 meters (1/3 mile) in all directions and let burn.
- Do not move cargo or vehicle if cargo has been exposed to heat.

**TIRE or VEHICLE Fire**


- Use plenty of water - **FLOOD it!** If water is not available, use CO<sub>2</sub>, dry chemical or dirt.
- If possible, and **WITHOUT RISK**, use unmanned hose holders or monitor nozzles from maximum distance to prevent fire from spreading to cargo area.
- Pay special attention to tire fires as re-ignition may occur. Stand by with extinguisher ready.

**SPILL OR LEAK**

- **ELIMINATE** all ignition sources (no smoking, flares, sparks or flames in immediate area).
- All equipment used when handling the product must be grounded.
- Do not touch or walk through spilled material.
- **DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) OF ELECTRIC DETONATORS.**

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- Do not touch or walk through spilled material.
- **DO NOT OPERATE RADIO TRANSMITTERS WITHIN 100 meters (330 feet) OF ELECTRIC DETONATORS.**
- **DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.**

**FIRST AID**


- Move victim to fresh air. • Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**SUPPLEMENTAL INFORMATION**

- Packages bearing the 1.4S label or packages containing material classified as 1.4S are designed or packaged in such a manner that when involved in a fire, may burn vigorously with localized detonations and projection of fragments.
- Effects are usually confined to immediate vicinity of packages.
- If fire threatens cargo area containing packages bearing the 1.4S label or packages containing material classified as 1.4S, consider isolating at least 15 meters (50 feet) in all directions. Fight fire with normal precautions from a reasonable distance.

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## Emergency Response Guidebook – Interactive <http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/ergmenu.aspx>

Emergency Response Guidebook 2008 - CANUTEC - Transport Canada - Windows Internet Explorer

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## Hazardous Materials Information Center <http://www.phmsa.dot.gov/hazmat/info-center>

PHMSA - Hazardous Materials Information Center - Windows Internet Explorer

PHMSA  
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Safety Administration

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Advanced Search

Home > Hazmat Safety Community > Hazardous Materials Information Center

Hazardous Materials Information Center

1-800-HMR-4922  
For Washington, DC / Metro area residents: 202-366-4488

PHMSA (Pipeline and Hazardous Materials Safety Administration) operates the Hazardous Materials Information Center (HMIC) for help on use of the Hazardous Materials Regulations 49 CFR Parts 100-185. The phone number is menu driven when calling from a touch tone phone. Non-touch tone phone callers must use the telephone number 202-366-6555. Callers will be directed through an automated menu that provides options to:

1. Obtain answers to questions on the Hazardous Materials Regulations 49 CFR Parts 100-185;
2. Receive recent copies of Federal Register publications, copies of DOT special permits or letters of interpretation;
3. Receive copies of training material, such as Chart 12 or information packages;
4. Report violations of the HMR;
5. Leave a voice mail message concerning a question on the HMR (messages will be returned within 24 hours).

Callers needing assistance on questions relating to the HMR will be forwarded to the HMIC after selecting the correct menu item. Calls to the center are handled on a first call first answered manner through an automatic stacking system. The HMIC is open for direct calls from 9:00 am to 5:00 pm EST, however you may leave a message at any time, or you may email your question to the HMIC. Or you may write to:

Mr. Charles E. Betts  
Director, Office of Hazardous Materials Standards  
U.S. DOT/PHMSA (PHM-10)  
1200 New Jersey Avenue, SE East Building, 2nd Floor  
Washington, DC 20590

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## National Highway Traffic Safety Administration - Safer Car

[www.safercar.gov](http://www.safercar.gov)

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Child Seats: Ease-of-Use Ratings | National Highway Traffic Safety Administration (NHTSA) - Windows Internet Explorer

http://www.nhtsa.gov/Safety/Ease-of-Use

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Child Seats: Ease-of-Use Ratings | National Highway Tr...

Excellent features on this child restraint for this category.  
 Above average features on this child restraint for this category.  
 Average features on this child restraint for this category.  
 Below average features on this child restraint for this category.  
 Poor features on this child restraint for this category.  
 N/A= Does not contain any features that require a rating.

Search Ease-of-Use Ratings

Simply click on the type of car seat you are buying and find the NHTSA ratings for:

[Car Bed](#)   [Forward-Facing](#)   [Convertible](#)   [Booster Seat](#)  
[Infant](#)   [3-IN-1](#)   [Combination](#)   [All](#)

**It Must Fit Right To Work Right**

Remember, the best car seat is the one that fits your child properly, is easy to use, and fits in your vehicle correctly.

**Get Your Car Seat Checked for Free**

Be certain you've installed your car seat correctly by having it checked at an inspection station or by a certified child passenger safety technician.

- Click [HERE](#) to find the inspection station nearest you.

**Get More Information**

- For more information on NHTSA's Ease-of-Use Ratings, click [HERE](#).
- For guidelines in using Ease-of-Use ratings in advertising and communications click [HERE](#).

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Child Safety Seat Ease of Use Ratings - Windows Internet Explorer

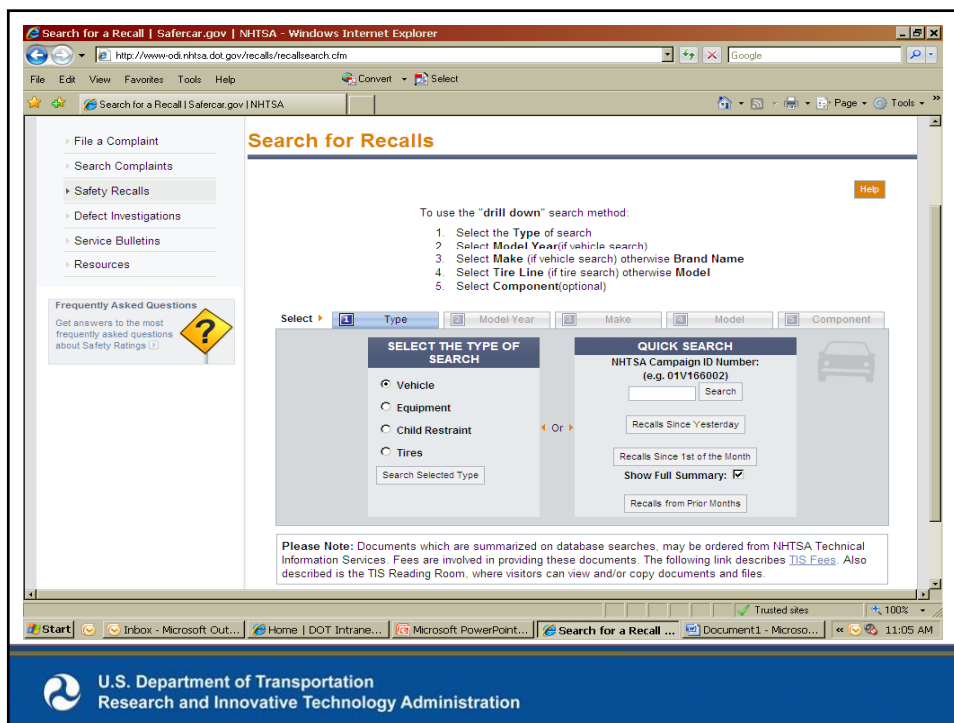
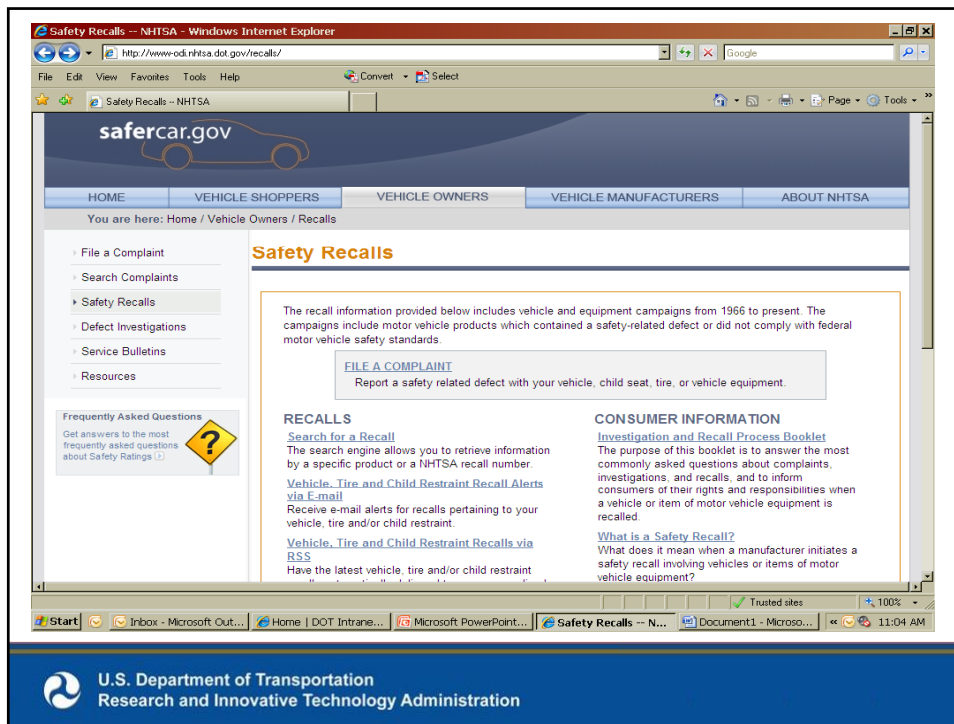
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Child Safety Seat Ease of Use Ratings

<a href="#">Recaro Signo G2 (FF)</a>	330.02.MM1C / Jun 6, 2009	5-pt	20lb - 70lb / up to 50"					
<a href="#">Recaro Signo G2 (RF)</a>	330.02.MM1C / Jun 6, 2009	5-pt	5lb - 35lb / up to 50"					
<a href="#">Recaro Start</a>	500117975 / Aug 24, 2007	High Back	30lb - 80lb / up to 59"					
<a href="#">Recaro Viva</a>	940000097 / Aug 19, 2007	High Back	30lb - 100lb / 37" - 59"					
<a href="#">Recaro Viva Lite</a>	820000009 / May 15, 2007	High Back	30lb - 100lb / 37" - 59"					
<a href="#">Recaro Young Sport (B)</a>	500131364 / Nov 14, 2007	High Back	30lb - 80lb / 37" - 59"					
<a href="#">Recaro Young Sport (FF)</a>	50000131364 / Nov 14, 2007	5-pt	20lb - 40lb / 27" - 40"					
<a href="#">Recaro Young Style</a>	500097726 / May 9, 2007	High Back	30lb - 80lb / 37" - 59"					
<a href="#">SafeGuard Child Seat</a>	F17560 / Oct 20, 2005	5-pt	22lb - 65lb / up to 57"					
<a href="#">SafeGuard Go (B)</a>	F101860 / Dec 5, 2007	High Back	40lb - 100lb / 43" - 57"					
<a href="#">SafeGuard Go (FF)</a>	F101860 / Dec 5, 2007	5-pt	22lb - 60lb / 31" - 52"					
<a href="#">Safety 1st All in One (B)</a>	22178-STL / Feb 16, 2009	High Back	40lb - 80lb / 43" - 52"					
<a href="#">Safety 1st All in One (FF)</a>	22178-STL / Feb 16, 2009	5-pt	22lb - 50lb / 34" - 85"					
<a href="#">Safety 1st All in One (RF)</a>	22178-STL / Feb 16, 2009	5-pt	5lb - 35lb / 19" - 36"					
<a href="#">Safety 1st Alpha Omega Elite (B)</a>	22195-SVS / Dec 29, 2008	High Back	40lb - 100lb / 43" - 52"					
<a href="#">Safety 1st Alpha Omega Elite (FF)</a>	22195-SVS / Dec 29, 2008	5-pt	22lb - 60lb / 31" - 52"					

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Recall Results | Safercar.gov | NHTSA - Windows Internet Explorer

http://www-odi.nhtsa.dot.gov/recalls/results.cfm

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Recall Results | Safercar.gov | NHTSA

## Recalls - Search Results

File a Complaint  
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Safety Recalls  
Defect Investigations  
Service Bulletins  
Resources

Frequently Asked Questions  
Get answers to the most frequently asked questions about Safety Ratings

Search Results

Report Date: October 6, 2011 at 11:06 AM  
Search Type: VEHICLE  
Make: HONDA  
Model: FIT  
Model Year: 2008

Results: 3 | All records displayed

Make: HONDA  
Model Year: 2008  
Manufacturer: HONDA (AMERICAN HONDA MOTOR CO.)  
NHTSA Campaign ID Number: 07V549000  
Component: AIR BAGS:FRONTAL

Model: FIT  
Mfr's Report Date: NOV 28, 2007  
NHTSA Action Number: N/A

Document Search  
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Get Summary

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## Recalls Summary

File a Complaint  
Search Complaints  
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Resources

Frequently Asked Questions  
Get answers to the most frequently asked questions about Safety Ratings

Summary:  
ON CERTAIN VEHICLES ORIGINALLY SOLD IN OR CURRENTLY REGISTERED IN THE STATES OF CONNECTICUT, DELAWARE, ILLINOIS, INDIANA, IOWA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MICHIGAN, MINNESOTA, MISSOURI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, OHIO, PENNSYLVANIA, RHODE ISLAND, VERMONT, VIRGINIA, WEST VIRGINIA, WISCONSIN AND THE DISTRICT OF COLUMBIA, THE WIRE HARNESS FOR THE OCCUPANT DETECTION SYSTEM (ODS) AND THE OCCUPANT POSITION DETECTION SYSTEM (OPDS) IS ROUTED UNDERNEATH THE CARPET ON THE DRIVER'S SIDE FLOORBOARD. IN AREAS WHERE ROAD SALT IS USED, SALT FROM THE SNOW ON THE DRIVER'S SHOES WILL MELT AND MAY PENETRATE THE CARPET AND LEAK INTO THE WIRE HARNESS. IF THE HARNESS IS EXPOSED TO SALT BRINE, CORROSION MAY OCCUR AND THE WIRE MAY BREAK CAUSING THE SRS INDICATOR LIGHT TO ILLUMINATE. A FAILURE OF THE ODS AND OPDS MAY NOT DETECT THE PRESENCE OF A CHILD SEAT OR AN OUT-OF-POSITION PASSENGER AND DEPLOYMENT OF BOTH THE FRONT SEAT PASSENGER'S FRONTAL AND SIDE AIR BAGS WILL NOT BE SUPPRESSED.

Consequence:  
IN THE EVENT OF A CRASH, A DEPLOYING FRONT PASSENGER AIR BAG OR FRONT PASSENGER'S SIDE AIR BAG WILL INCREASE THE RISK OF INJURY TO SMALL OR OUT-OF-POSITION OCCUPANTS.

Remedy:  
DEALERS WILL INSPECT AND REPLACE THE WIRE HARNESS. THE RECALL BEGAN ON DECEMBER 12, 2007. OWNERS MAY CONTACT HONDA AT 800-999-1009.

Notes:  
HONDA RECALL NO. 066. CUSTOMERS MAY ALSO CONTACT THE NATIONAL HIGHWAY TRAFFIC

Report Date: NOV 28, 2007

NHTSA Campaign ID Number: 07V549000  
NHTSA Action Number: N/A  
Component: AIR BAGS:FRONTAL

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RCOPR-07V549-6462.pdf	Quarterly Performance Report	17
RCRIT-07V549-1949.pdf	Remedy Instructions and TSB - 12-5-2007	1141
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Make: HONDA Model: FIT  
 Model Year: 2008  
 Manufacturer: HONDA (AMERICAN HONDA MOTOR CO.) Mfr's Report Date: JAN 27, 2010  
 NHTSA CAMPAIGN ID Number: 10V033000 NHTSA Action Number: N/A

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November 30, 2007

Dear Service Manager:

Honda Motor Co., LTD. is announcing a safety recall campaign for all 2007 Fits and some 2008 Fits. Splices in the floor wire harness may not be sufficiently sealed. In areas where road salt is used, the driver may get in the vehicle with a mixture of snow and salt on their feet. The water and salt that soaks through the carpet may enter the splices. Over time, the wire splices may corrode, causing a faulty connection in the SRS occupant detection system (ODS). If this connection fails and the vehicle is in a collision, the ODS may not operate properly. As a result, the side airbag may deploy even if a person is leaning toward the outside of the front passenger's seat, or the front passenger's airbag may deploy at full deployment force even if the front passenger weighs less than about 65 pounds.

**Repair Strategy**  
 The repair for new vehicles is to seal the splices in the floor wire harness. For repair, affected vehicles, and warranty information, refer to Service Bulletin 07-088, *Safety Recall: Fit Floor Wire Harness Corrosion*. This service bulletin will soon be revised to include the inspection and repair procedures for used vehicles.

Some vehicles affected by this campaign may be in your new vehicle inventory. **According to federal law, these vehicles cannot be sold or leased until they are repaired.** To see if a vehicle is affected by this campaign, do a VIN status inquiry. In addition, check for a punch mark above the third character of the engine compartment VIN. A punch mark in that location means the harness was already corrected at the port, and the vehicle is ready to be sold or leased.

**Customer Notification**  
 All affected vehicle owners will receive a notification of this campaign beginning the week of

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*"The amount of ethanol used in gasohol dwarfs the amount used in E85."*

Table 2.4 Ethanol Consumption, 1995-2009

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Chapter 3 All Highway Vehicles and Characteristics - Transportation Energy Data Book - Windows Internet Explorer

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The United States totals include SUV's, minivans, and light trucks, many of which are used for personal travel.

**Table 3.2  
Truck and Bus Registrations for Selected Countries, 1965-2009  
(thousands)**

Country	1950	1955	1960	1965	1970	1975	1980	1985	1986	1988	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Argentina	239	266	392	574	788	986	1217	1428	1435	1494	1501	1506	1553	1664	1240	1238	1287	Data	1485	1551	1554
Brazil	*	*	*	*	*	*	*	1,424	1,110	1,156	936	921	1,371	3,247	3,316	3,161	3,255	not	3,602	3,880	3,917
Canada	643	952	1,056	1,232	1,481	2,158	2,955	3,149	3,212	3,960	5,991	3,744	3,688	3,712	3,740	3,485	3,515	available	3,694	723	739
China	*	*	*	*	811	1,480	2,469	2912	3,425	4,314	4,489	4,500	4,349	6,450	6,221	6,750			8,313	9,400	9,650
France	*	*	1,650	1,770	1,850	2,210	2,550	2,766	2,828	2,972	4,910	5,020	5,040	5,065	5,140	5,195	5,255		5,500	5,609	5,733
Germany	*	*	786	1,021	1,228	1,337	1,617	1,380	2,029	2,128	2,764	3,094	2,923	2,787	2,960	3,062	3,122		4,357	3,370	3,534
India	*	*	*	*	*	*	2,237	1,291	1,599	2,050	2,177	2,397	2,397	2,875	2,221	2,506		2,610	3,000	2,390	
Indonesia	*	*	*	*	*	*	1,056	1,133	1,040	1,391	1,585	1,514	1,555	1,715	1,850	2,030		2,098	2,305	2,373	
Japan	183	318	896	4,119	8,803	*****	18,313	19,319	21,674	22,773	22,839	22,694	22,590	22,333	22,173	21,933		20,919	20,559	20,211	
Malaysia	*	*	*	*	*	*	138	337	374	616	400	618	33	35	35	39		932	995	1,030	
Pakistan	*	*	*	*	*	*	127	72	151	172	200	213	252	260	275	300		227	236	285	
Russia	*	*	*	*	*	*	9,614	8,400	8,800	7,200	*	*	9,856	9,856	9,856			5,041			
United Kingdom	1,060	1,244	1,534	1,748	1,769	1,934	1,920	708	741	3,874	3,774	3,685	3,543	3,604	3,605	3,635	3,631		3,169	3,392	3,361
United States	8,823	*****	*****	*****	*****	*****	39,790	40,760	43,145	45,106	45,416	45,149	47,722	48,298	73,143	76,637		79,062	86,640	85,579	
U.S. Percentage of World Total	35.2%	35.9%	34.0%	32.7%	32.6%	31.4%	32.3%	32.3%	32.3%	32.3%	32.3%	32.3%	32.3%	32.3%	32.3%	32.3%		44.0%	46.0%	42.1%	
World total	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****

Source:  
Ward's Communications, *Ward's World Motor Vehicle Data, 2010 Edition*, Southfield, MI, 2010, pp. 271-274 and annual. (Additional resources: www.wardsauto.com)

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	1990	1995	2000	2005	2007	2009	2010 <sup>b</sup>	percentage change 1990–2010
Current dollars per gallon								
China	c	1.03	c	1.7	2.29	3.27	c	c
Japan	3.16	4.43	3.65	4.28	4.49	4.86	5.93	3.20%
France <sup>d</sup>	3.63	4.26	3.8	5.46	6.6	6.35	6.72	3.10%
United Kingdom <sup>d</sup>	2.82	3.21	4.58	5.97	7.15	5.86	6.81	4.50%
Germany	2.65	3.96	3.45	5.66	6.88	6.81	6.86	4.90%
Canada	1.87	1.53	1.86	2.89	3.59	3.15	3.72	3.50%
United States <sup>a</sup>	1.16	1.15	1.51	2.27	2.8	2.34	2.72	4.30%
Average annual percentage change 1990–2010								
Constant 2010 dollars <sup>c</sup> per gallon								
China	c	1.47	c	1.9	2.41	3.33	c	c
Japan	5.27	6.34	4.62	4.78	4.73	4.94	5.93	0.60%
France <sup>d</sup>	6.06	6.1	4.81	6.09	6.94	6.45	6.72	0.60%
United Kingdom <sup>d</sup>	4.7	4.59	5.8	6.66	7.52	5.96	6.81	1.90%
Germany	4.42	5.67	4.37	6.31	7.24	6.92	6.86	2.30%
Canada	3.12	2.19	2.36	3.22	3.78	3.2	3.72	0.90%
United States <sup>a</sup>	1.94	1.65	1.91	2.54	2.94	2.38	2.72	1.80%

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Year	Constant Dollars	Year	Constant Dollars	Year	Constant Dollars	Year	Constant Dollars
1906	\$36,588	1935	\$14,783	1961	\$19,410	1987	\$25,280
1908	\$32,755	1936	\$12,980	1962	\$19,295	1988	\$25,266
1910	\$27,877	1937	\$13,340	1963	\$19,082	1989	\$24,864
1912	\$28,922	1938	\$13,701	1964	\$19,178	1990	\$24,691
1913	\$31,007	1939	\$12,800	1965	\$18,815	1991	\$24,376
1914	\$32,089	1940	\$11,898	1966	\$18,800	1992	\$24,980
1915	\$26,681	1941	\$12,052	1967	\$20,657	1993	\$25,048
1916	\$21,272	1942	\$12,207	1968	\$19,465	1994	\$25,917
1917	\$19,650	1943	\$12,361	1969	\$19,465	1995	\$25,281
1918	\$18,027	1944	\$12,515	1970	\$19,585	1996	\$25,675
1919	\$17,847	1945	\$12,620	1971	\$19,822	1997	\$25,712
1920	\$17,667	1946	\$12,824	1972	\$19,909	1998	\$26,803
1921	\$18,749	1947	\$12,978	1973	\$19,579	1999	\$26,669
1922	\$19,830	1948	\$13,592	1974	\$19,321	2000	\$25,665
1923	\$18,027	1949	\$15,839	1975	\$19,739	2001	\$26,013
1924	\$16,225	1950	\$16,232	1976	\$20,428	2002	\$25,340
1925	\$16,044	1951	\$16,508	1977	\$20,583	2003	\$25,238
1926	\$15,864	1952	\$17,882	1978	\$20,990	2004	\$24,574
1927	\$15,684	1953	\$17,904	1979	\$20,233	2005	\$25,284
1928	\$15,504	1954	\$17,579	1980	\$19,720	2006	\$25,151
1929	\$15,323	1955	\$17,483	1981	\$21,029	2007	\$24,721
1930	\$15,143	1956	\$17,987	1982	\$21,987	2008	\$23,334

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## Our thanks!

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