

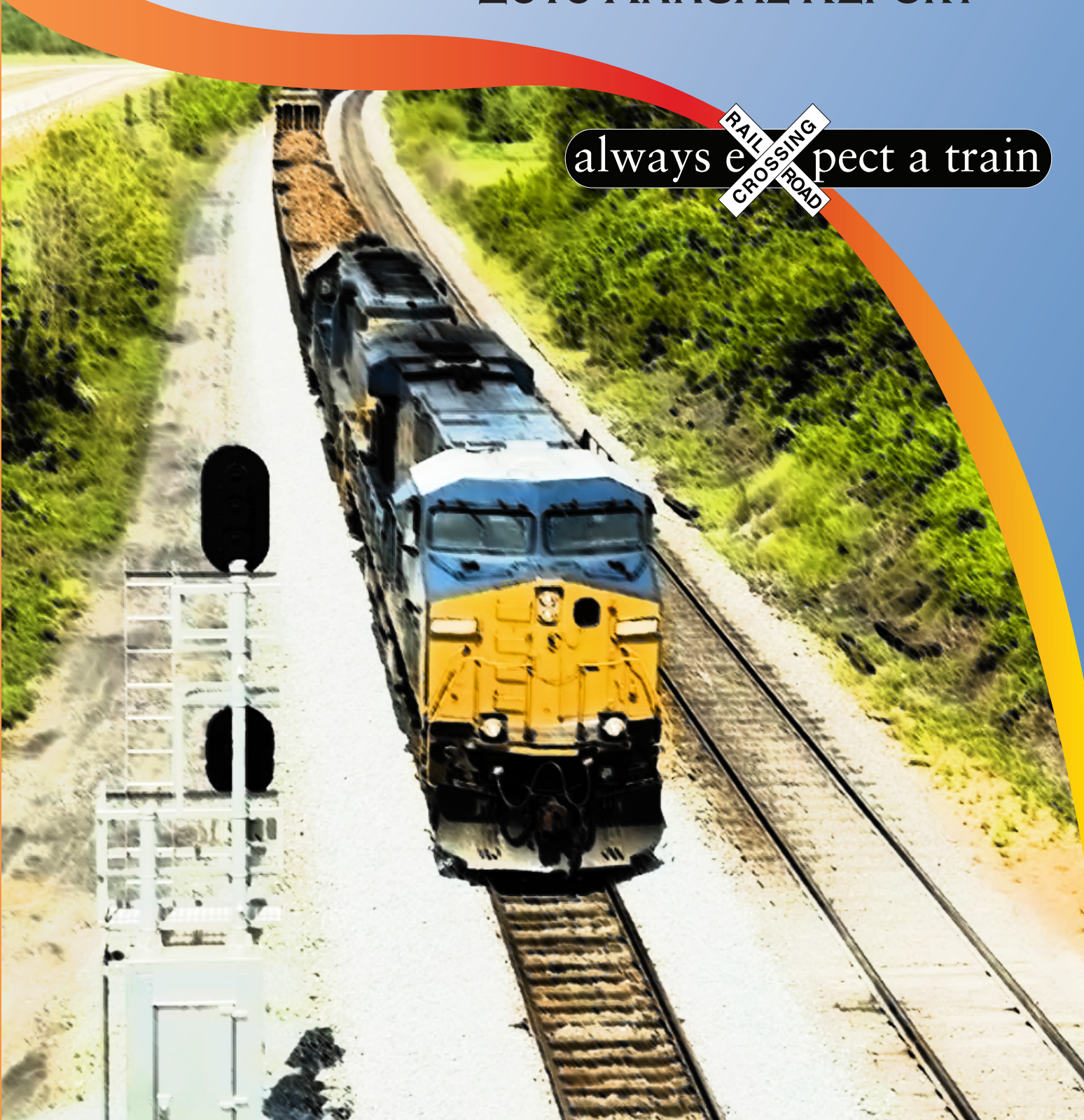


U.S. Department of Transportation
Federal Railroad Administration

RAILROAD SAFETY STATISTICS

2010 ANNUAL REPORT

always expect a train



FOREWORD

The Federal Railroad Administration (FRA) has established an ultimate goal of “zero tolerance” for rail-related accidents, injuries, and fatalities. In pursuit of that goal, significant progress has been made, particularly over the past years, in reducing the number of train collisions, derailments, highway-rail grade crossing incidents, and injuries to railroad workers. These results have been achieved because of a collaborative effort involving FRA, railroad management, rail labor, equipment suppliers, and contractors, as well as other Federal and State agencies whose mission involves ensuring railroad safety. Central to the success of this rail safety effort is the ability to understand the nature of rail-related accidents and to analyze trends in railroad safety.

The FRA Railroad Safety Statistics–Annual Report 2010 is intended as a resource for FRA’s safety partners. It is also intended as a general reference source for individuals and organizations with an interest in rail safety issues. Statistical data, tables, and charts are provided to depict the nature and cause of many rail-related accidents and incidents that occurred in 2010. Furthermore, selected historical data is included to provide a baseline for understanding the railroad industry’s improving safety performance.

Note: Beginning with 2003, the accident/incident databases will remain open for 5 years after the end of the calendar year (CY). Counts of accidents/incidents are not expected to change much after the publication of the annual report. You are encouraged to visit our safety data Web site located at <http://safetydata.fra.dot.gov/officeofsafety> to obtain current data. The counts in this publication were produced on April 4, 2012, and represent data received through December 2010.

Hopefully, the information provided in this publication will provide insight into the most significant safety issues facing the rail industry and, in turn, lead to continued rail safety improvements. Only by continuing our understanding about how and why railroad accidents and incidents occur can we hope to approach our goal of zero tolerance.

The completeness and accuracy of the information presented in this bulletin is primarily dependent upon the data collection and reporting processes of the Nation’s railroads. FRA conducts routine audits of these procedures, but does not have sufficient resources to perform comprehensive reviews of each railroad’s reporting procedures. We review and edit the reports we receive and make inquiries when information is incomplete or inconsistent.

Railroads are required by law to submit accident/incident reports within 30 days after the month to which they pertain. Railroads are also required to update their report if the original information is incomplete or inaccurate.

It is not possible to identify reportable events that were omitted from a railroad’s submission. Likewise, there may be instances where incorrectly reported information passes all reviews and is accepted. Although we attempt to be as vigilant as possible in the editing and presentation of the accident/incident data reported, errors do occasionally occur.

Any questions, comments, or suggestions regarding the information contained in this publication should be brought to the attention of:

Federal Railroad Administration
Office of Public Affairs, Mailstop 5
1200 New Jersey Avenue SE
Washington, DC 20590
Phone number: (202) 493-6024

This report and additional information about FRA's various programs are available on our Web site at www.fra.dot.gov.

TABLE OF CONTENTS

CHAPTER	TITLE	PAGE
1	Overview of Accidents/Incidents and Rates	1
2	Current-Year Summary of Accidents/Incidents and Rates	21
3	Casualty Reporting	33
4	Employee-On-Duty Casualties	45
5	Train Accidents	61
6	Train Accidents Involving Consists Transporting Hazardous Materials	85
7	Highway-Rail Grade Incidents	91
8	Highway-Rail Incidents at Public Crossings That Involve Motor Vehicles	103
9	Highway-Rail Grade Crossing Inventory	119
10	Trespassers Not at Highway-Rail Grade Crossings	127
 APPENDIX		
A	Abbreviations	139
B	2010 Accident Prediction and Resource Allocation Procedure	
	Normalizing Constants	141
C	Accidents/Incidents Reported by Group III Railroads, 2010	143

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CHAPTER 1

OVERVIEW OF ACCIDENTS/INCIDENTS AND RATES

Railroads began reporting accidents to the Federal Government following the passage of the Reports Act of 1910. The current definitions describing reportable events were adopted in 1975 and have remained largely unchanged. A number of modifications to the recordkeeping and reporting requirements were put in place in 1997. These modifications did not redefine what was to be reported, but did expand the types of information being collected and the forms used for reporting. The changes made in 1997 were implemented for the purpose of collecting additional information necessary for safety analysis and to support FRA's overall goal of hazard elimination and risk reduction on the Nation's railroads.

A railroad is required by FRA regulations at Title 49 Code of Federal Regulations (CFR) Part 225 to use the current FRA Guide for Preparing Accident/Incident Reports ("Guide" or "Reporting Guide") when preparing its monthly report. The instructions and interpretations contained in this publication are provided to assist railroads in meeting this obligation.

Accident/Incident. This is the term used to describe the entire list of reportable events. These include (1) collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold; (2) impacts between railroad on-track equipment and highway users at crossings; and (3) all other incidents or exposures that cause a fatality or injury to any person, or an occupational illness to a railroad employee. Accidents/incidents are divided into three major groups for reporting purposes. These correspond to the following FRA forms:

1. Train accidents. A safety-related event involving on-track rail equipment (both standing and moving), causing monetary damage to the rail equipment and track above a prescribed amount. Reported on Form FRA F6180.54, Rail Equipment Accident/Incident Report. (The threshold for 2010 was \$9,200.)
2. Highway-rail grade crossing incidents. Any impact between a rail and highway user (both motor vehicles and other users of the crossing) at a designated crossing site, including walkways, sidewalks, etc., associated with the crossing. Reported on Form FRA F6180.57, Highway-Rail Grade Crossing Accident/Incident Report.
3. Other incidents. Any death, injury, or occupational illness of a railroad employee that is not the result of a "train accident" or "highway-rail incident." Reported on Form FRA F6180.55a, Railroad Injury And Illness Summary.

A single form is usually sufficient to report most events; however, there are situations when multiple report forms are necessary. An example is a highway-rail grade crossing incident resulting in reportable injuries. An accident of this type would require the completion of both Form FRA F6180.57 and Form FRA F6180.55a. Form FRA F6180.54 must also be prepared if reportable on-track equipment and track damage in this type of accident exceeds the current monetary threshold for train accidents.

Because of overlap in the reporting requirements, some incidents may fall into multiple categories. The incident described above would be counted as a highway-rail incident, but it would also be included in the train accident total. Another example is a motorist hurt in a highway-rail incident after driving around gates at the crossing site. This individual is reported as a trespasser on Form FRA F6180.55a, but the event is classified as a highway-rail incident.

If there is an overlap in the information found in different chapters, when possible, a separate column or row total is provided, or counts are excluded when they are more appropriate to another chapter. In the example of the trespasser injured in a highway-rail incident, this injury appears in the highway-rail chapter, but is excluded from the chapter on trespassing. The train accident counts in Chapter 5 include those highway-rail incidents causing reportable damage above the amount needed for reporting on Form FRA F6180.54. The user of this bulletin can exclude these, if desired, since these numbers are identified in most tables in this chapter.

This bulletin provides overall national totals as well as specific areas of safety concern. For example, Chapter 3 is a summary of all fatal and nonfatal casualties, regardless of the type of event causing them. Subsequent chapters summarizing train accidents, highway-rail incidents, and employee and trespassing casualties provide additional information on the events causing these casualties.

The data is presented in the following general format. First, there is a graphic historical review of the major indicators of railroad safety since 1999. Following this are overall totals for the 5-year period beginning with 2006, including summaries by railroad and States for this timeframe. Next are a variety of tables and charts for the current year. The chapter for each major reporting area contains a description of the pertinent requirements and definitions associated with that specific accident/incident category.

Extensive consolidation of railroads has occurred over the years. In order to make a more valid comparison of major railroad systems, it was necessary to combine the information reported by predecessor railroads for the years prior to 1999. For example, data from railroads that made up the Southern Pacific Transportation System were merged into the counts for the Union Pacific Railroad.

CONTENTS

CHAPTER 1

OVERVIEW OF ACCIDENTS/INCIDENTS AND RATES

Tables	Title	Page
1-1	Accident/Incident Historical Summary, Part I	4
1-2	Accident/Incident Historical Summary, Part II	5
1-3	Summary by Type of Incident and Type of Person	6
1-4	Total Casualties by Railroad	7
1-5	Total Casualties by State	8
1-6	Total Employee-On-Duty Cases by Railroad	9
1-7	Train Accidents by Railroad, Excluding HRC	10
1-8	Train Accidents by State, Excluding HRC	11
1-9	Consists Transporting Hazardous Materials, by Railroad	12
1-10	Consists Transporting Hazardous Materials, by State	13
1-11	Total Highway-Rail Grade Crossing Incidents by Railroad	14
1-12	Total Highway-Rail Grade Crossing Incidents by State	15
1-13	Highway-Rail Grade Crossing Incident Casualties by Railroad	16
1-14	Total Highway-Rail Grade Crossing Incident Casualties by State	17
1-15	Trespasser Casualties by Railroad, Not at HRC	18
1-16	Trespasser Casualties by State, Not at HRC	19

TABLE 1-1 ACCIDENT/INCIDENT HISTORICAL SUMMARY, PART I

Category	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
---GRAND TOTAL---												
Accidents/incidents	16,776	16,919	16,086	14,403	14,370	14,522	14,311	13,803	13,926	12,944	11,227	11,555
Rate 1 /	23.55	23.41	22.61	19.77	19.33	18.86	18.14	16.97	17.56	16.75	16.71	16.32
Deaths	932	937	971	951	865	891	884	903	851	803	696	726
Nonfatal conditions	11,700	11,643	10,985	11,103	9,264	9,194	9,550	8,797	9,660	9,056	8,000	8,307
---TRAIN ACCIDENTS-----												
Rate 2 /	3.89	4.13	4.25	3.76	4.06	4.40	4.14	3.68	3.39	3.21	2.84	2.68
Total number	2,768	2,983	3,023	2,738	3,019	3,385	3,266	2,998	2,692	2,478	1,907	1,897
Deaths	9	10	6	15	4	13	33	6	9	27	4	8
Injuries	130	275	310	1,884	232	346	787	220	309	324	121	105
Collisions	205	238	220	192	198	237	274	201	210	191	136	131
Derailments	1,961	2,112	2,234	1,989	2,133	2,435	2,305	2,197	1,934	1,788	1,366	1,337
On main line	858	976	1,025	886	976	1,033	1,021	981	854	767	618	618
On yard track	1,531	1,619	1,569	1,478	1,676	1,928	1,816	1,582	1,401	1,381	1,008	1,020
Yard track rate 3 /	17.51	18.21	18.30	18.25	20.53	22.97	20.61	17.77	13.47	13.54	12.38	11.64
Other track rate 4 /	1.98	2.15	2.32	1.95	2.03	2.12	2.07	1.95	1.87	1.63	1.52	1.41
Track caused	995	1,035	1,121	941	974	1,055	1,082	1,075	932	858	666	669
Track-caused rate	1.40	1.43	1.58	1.29	1.31	1.37	1.37	1.32	1.18	1.11	0.99	0.94
Human-factor caused	1,031	1,147	1,035	1,050	1,230	1,353	1,270	1,068	1,046	909	655	643
Equipment caused	321	372	427	367	361	429	369	351	326	320	267	248
Signal caused	49	70	42	50	58	70	64	50	49	52	50	67
Equip dmg (millions \$)	164.654	169.172	200.752	173.982	198.698	225.462	226.048	213.372	218.965	204.096	158.882	175.305
Track dmg (millions \$)	80.435	94.040	113.713	92.550	99.569	100.482	113.823	109.192	97.568	96.809	68.568	77.830
Hazmat												
Consists releasing	41	35	32	31	30	31	39	30	46	22	22	21
Cars releasing	75	75	57	56	41	49	52	71	76	38	44	40
People evacuated	996	5,258	52,620	5,438	2,260	5,938	7,636	3,682	11,698	4,374	3,160	1,682
---HIGHWAY-RAIL-----												
Rate 5 /	4.90	4.84	4.55	4.22	4.00	4.01	3.89	3.62	3.50	3.14	2.87	2.85
Incidents	3,489	3,502	3,237	3,077	2,977	3,085	3,066	2,942	2,778	2,429	1,931	2,017
Deaths	402	425	421	357	334	371	359	369	339	290	249	257
Injuries	1,396	1,219	1,157	999	1,035	1,094	1,053	1,070	1,059	989	741	853
---OTHER INCIDENTS-----												
Incidents 6 /	10,519	10,434	9,826	8,588	8,374	8,052	7,979	7,863	8,456	8,037	7,389	7,641
Deaths	521	502	544	579	527	507	492	528	503	486	443	461
Injuries	10,174	10,149	9,518	8,220	7,997	7,754	7,710	7,507	8,292	7,743	7,138	7,349

1. Total accident/incident rate of all reported events * 1,000,000 / (train miles)
2. Total train accidents * 1,000,000 / total train miles
3. Accidents on yard track * 1,000,000 / yard switching train miles
4. Accidents on other than yard track * 1,000,000 / (total train miles - yard switching)
5. Total incidents * 1,000,000 / total train miles
6. Other events that cause death, injury to any person; or illness to a railroad employee

TABLE 1-2 ACCIDENT/INCIDENT HISTORICAL SUMMARY, PART II

Category	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
...EMPLOYEE COUNTS....												
All accidents/incidents												
Rate 1 /	3.39	3.44	3.30	2.94	2.78	2.64	2.44	2.18	2.26	2.10	2.09	2.02
Deaths	31	24	22	20	19	25	25	16	17	25	16	20
Nonfatal conditions	8,622	8,423	7,815	6,644	6,258	6,022	5,822	5,275	5,456	4,998	4,485	4,395
Cases with days absent	5,779	5,788	5,409	4,642	4,401	4,071	3,967	3,496	3,726	3,324	3,011	3,010
Percent of total	66.79	68.52	69.02	69.66	70.11	67.32	67.85	66.07	68.08	66.18	66.90	68.18
Sprains/strains	4,280	4,357	4,025	3,353	3,030	2,848	2,611	2,430	2,562	2,273	2,034	1,950
Occupational illnesses	141	129	167	120	182	253	287	275	231	274	228	186
...PASSENGERS ON TRAINS												
Rate 2 /	3.33	4.10	4.78	5.83	4.69	4.59	6.17	5.53	8.08	6.82	4.79	5.54
Deaths	14	4	3	7	3	3	16	2	5	24	3	3
Injuries	481	658	746	877	727	703	957	936	1,514	1,328	1,190	1,338
In Train Accs/Highway-Rail												
Deaths	11	0	1	7	1	1	12	0	0	24	0	0
Rate	0.07	0.00	0.01	0.05	0.01	0.01	0.08	0.00	0.00	0.12	0.00	0.00
Injuries	54	95	149	304	152	117	336	157	253	328	96	130
...TRESPASSER COUNTS...												
Rate 3 /	1.30	1.21	1.29	1.28	1.21	1.14	1.11	1.22	1.11	1.15	1.13	1.16
Deaths	479	463	511	540	498	472	458	511	470	457	416	434
Injuries	445	414	404	395	398	406	420	481	407	433	344	388
---OPERATIONS(millions)												
Total train miles 4 /	712.453	722.877	711.550	728.674	743.331	770.152	789.034	813.583	793.058	772.939	671.947	708.194
Yard switching miles 5 /	87.459	88.919	85.747	81.002	81.630	83.935	88.094	89.050	104.040	101.984	81.427	87.639
Employee hours 6 /	509.997	490.926	475.120	454.102	451.148	458.399	478.471	485.855	483.637	478.336	429.999	437.369
Passengers carried 7 /	464.885	501.750	517.249	503.930	494.264	513.293	523.434	602.281	640.858	656.426	649.427	645.121

1. Total employee deaths, injuries, illnesses * 200,000 / total hours worked
2. All passenger deaths or injuries in all accidents/incidents * 100,000,000 / passenger miles. A passenger mile is the movement of a passenger for a distance of 1 mile
3. All trespasser deaths and injuries * 1,000,000 / total train miles
4. Movement of a train for a distance of 1 mile
5. Movement of trains doing yard switching for a distance of 1 mile
6. Total hours worked by employees of the railroads. Excludes contractors.
7. Passengers transported

TABLE 1-3 SUMMARY BY TYPE OF INCIDENT AND TYPE OF PERSON

Train Accidents Excluding Highway-Rail Crossing (HRC) Incidents

Type of Person	Fatalities					Nonfatal Conditions				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
A - Worker on duty(rr empl)	-	6	2	2	3	103	92	92	64	63
B - Employee not on duty	-	-	-	-	-	-	-	-	1	-
C - Passenger on train	-	-	24	-	-	62	181	227	35	38
D - Nontrespasser	-	1	-	1	1	2	3	1	17	-
E - Trespasser	4	2	1	1	4	4	3	1	-	1
F - Worker on duty(contractor)	2	-	-	-	-	4	1	-	1	3
G - Contractor(other)	-	-	-	-	-	-	3	2	-	-
J - Nontrespasser, off rr prop	-	-	-	-	-	45	26	1	3	-
--Total...	6	9	27	4	8	220	309	324	121	105

Highway-Rail Crossing (HRC) Incidents

Type of Person	Fatalities					Nonfatal Conditions				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
A - Worker on duty(rr empl)	4	1	3	-	-	96	105	75	72	81
B - Employee not on duty	-	-	-	-	-	2	1	1	-	-
C - Passenger on train	-	-	-	-	-	95	72	101	61	92
D - Nontrespasser	232	183	155	115	127	635	562	540	374	438
E - Trespasser	131	154	132	132	129	226	281	256	223	234
F - Worker on duty(contractor)	-	-	-	-	-	-	5	-	2	1
G - Contractor(other)	-	-	-	-	-	-	25	3	1	1
J - Nontrespasser, off rr prop	2	1	-	2	1	16	8	13	8	6
--Total...	369	339	290	249	257	1,070	1,059	989	741	853

Other Incidents, Excluding HRC

Type of Person	Fatalities					Nonfatal Conditions				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
A - Worker on duty(rr empl)	12	10	20	14	17	5,076	5,259	4,831	4,349	4,251
B - Employee not on duty	-	-	-	-	-	167	176	159	147	135
C - Passenger on train	2	5	-	3	3	779	1,261	1,000	1,094	1,208
D - Nontrespasser	2	12	5	7	7	576	759	871	832	906
E - Trespasser	507	468	456	415	430	477	404	432	344	387
F - Worker on duty(contractor)	2	-	3	1	1	194	203	199	141	203
G - Contractor(other)	3	5	2	3	2	209	208	235	214	237
H - Worker on duty(volunteer)	-	-	-	-	-	3	6	4	5	4
I - Volunteer(other)	-	-	-	-	-	3	2	3	1	1
J - Nontrespasser, off rr prop	-	3	-	-	1	22	14	8	11	17
--Total...	528	503	486	443	461	7,506	8,292	7,742	7,138	7,349

Grand Total

Type of Person	Fatalities					Nonfatal Conditions				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
A - Worker on duty(rr empl)	16	17	25	16	20	5,275	5,456	4,998	4,485	4,395
B - Employee not on duty	-	-	-	-	-	169	177	160	148	135
C - Passenger on train	2	5	24	3	3	936	1,514	1,328	1,190	1,338
D - Nontrespasser	234	196	160	123	135	1,213	1,324	1,412	1,223	1,344
E - Trespasser	642	624	589	548	563	707	688	689	567	622
F - Worker on duty(contractor)	4	-	3	1	1	198	209	199	144	207
G - Contractor(other)	3	5	2	3	2	209	236	240	215	238
H - Worker on duty(volunteer)	-	-	-	-	-	3	6	4	5	4
I - Volunteer(other)	-	-	-	-	-	3	2	3	1	1
J - Nontrespasser, off rr prop	2	4	-	2	2	83	48	22	22	23
--Total...	903	851	803	696	726	8,796	9,660	9,055	8,000	8,307

TABLE 1-4 TOTAL CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
Alaska RR Corp.	-	-	1	3	-	23	31	73	81	40
Amtrak	118	129	119	139	132	1,328	1,590	1,551	1,457	1,769
Burlington Northern Santa Fe	144	123	104	123	125	1,170	1,246	1,215	1,003	1,030
Buffalo & Pittsburg	1	-	1	-	-	5	5	-	-	1
Belt Rwy Of Chicago	-	-	-	-	-	15	12	10	15	9
Canadian National	27	20	32	13	22	259	293	246	200	192
Canadian Pacific	6	14	6	9	4	135	182	142	153	127
Conrail Shared Assets	1	-	-	1	2	36	40	37	30	32
CSX Transportation	140	130	122	102	117	762	652	659	530	524
Florida East Coast	18	20	12	11	22	19	36	16	16	19
Guilford Rail System	2	1	-	3	1	12	25	11	11	9
Other Railroads	32	33	37	28	34	866	817	789	637	667
Indiana Harbor Belt	1	1	-	-	-	18	14	18	7	12
Kansas City Southern	13	17	12	15	23	118	120	97	87	104
Long Island Rail Road	3	9	8	6	7	372	534	524	519	533
MD Assn. of Rail Comm	2	1	1	1	-	8	19	29	35	37
Mass Bay Transit Auth.	9	12	9	5	4	137	81	250	174	175
Metro North Commuter	2	9	2	5	2	262	256	235	274	262
Montana Rail Link	-	-	1	2	-	48	35	33	35	11
Northern IN Comm Trans	-	4	-	2	2	20	18	13	16	15
Northeast IL Reg Comm	8	15	19	10	21	276	318	255	278	268
New Jersey Transit Rail	10	14	13	20	16	219	174	211	213	332
Norfolk Southern Corp.	118	112	131	83	67	623	648	581	534	463
Port Auth Trans Hudson	-	-	-	-	-	145	205	145	123	167
Peninsula Comm San Mateo Cnty	9	3	4	4	2	26	33	39	27	31
Port Terminal RR Assn	-	-	-	-	-	10	47	23	6	1
Southern CA Reg Rail Auth.	9	9	30	3	4	21	25	78	29	29
Southeastern PA Trans.	2	2	4	4	4	351	592	389	419	395
Term RR Assn Of St. Louis	-	-	-	-	-	3	2	3	7	5
Union Pacific	227	172	134	103	113	1,490	1,584	1,373	1,070	1,037
Union RR (Pittsburgh)	-	-	-	-	1	9	5	7	7	3
Wheeling & Lake Erie	1	1	1	1	1	11	21	4	7	8
Total	903	851	803	696	726	8,797	9,660	9,056	8,000	8,307

TABLE 1-5 TOTAL CASUALTIES BY STATE

States	Fatalities					Nonfatal					5-year Total	
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010	Kld	Nonf
Alabama	21	20	17	12	15	158	143	130	106	107	85	644
Alaska	-	-	1	3	-	40	51	89	105	52	4	337
Arizona	27	12	14	14	16	119	113	115	83	79	83	509
Arkansas	15	18	10	9	15	150	170	141	118	104	67	683
California	122	125	111	76	89	573	651	704	512	534	523	2,974
Colorado	17	5	13	3	11	157	136	124	126	95	49	638
Connecticut	2	8	6	4	6	114	115	90	104	109	26	532
Delaware	2	2	1	2	1	62	55	55	38	68	8	278
Dist Of Columbia	-	-	1	1	1	153	108	105	80	89	3	535
Florida	38	54	51	29	47	199	244	166	171	181	219	961
Georgia	16	33	23	16	25	178	175	148	154	143	113	798
Idaho	5	3	3	4	1	54	58	54	39	23	16	228
Illinois	53	64	71	41	61	833	1,072	874	822	828	290	4,429
Indiana	23	34	28	27	16	207	200	192	171	168	128	938
Iowa	8	12	7	10	6	125	153	160	101	117	43	656
Kansas	24	14	14	8	11	150	186	154	113	121	71	724
Kentucky	20	16	12	6	15	127	107	110	88	76	69	508
Louisiana	23	22	22	22	25	210	180	160	133	163	114	846
Maine	5	1	-	1	-	24	31	16	12	16	7	99
Maryland	11	10	8	5	17	75	107	108	93	120	51	503
Massachusetts	16	15	16	12	7	186	139	330	240	228	66	1,123
Michigan	23	11	11	20	15	142	129	137	112	117	80	637
Minnesota	20	12	11	17	7	139	177	175	123	160	67	774
Mississippi	17	9	18	14	13	86	83	119	83	58	71	429
Missouri	20	12	20	20	20	163	197	177	163	188	92	888
Montana	5	3	5	4	5	103	120	131	126	102	22	582
Nebraska	8	8	3	11	7	200	198	198	160	132	37	888
Nevada	6	4	4	-	4	44	30	33	19	28	18	154
New Hampshire	-	-	1	-	-	6	4	4	3	2	1	19
New Jersey	20	16	21	24	24	388	403	411	365	504	105	2,071
New Mexico	9	16	12	15	12	61	63	60	52	76	64	312
New York	16	24	24	29	22	848	993	969	976	1,044	115	4,830
North Carolina	29	27	27	23	19	114	96	125	111	127	125	573
North Dakota	2	4	3	3	5	51	56	74	60	78	17	319
Ohio	41	31	27	32	21	216	238	175	136	145	152	910
Oklahoma	21	13	12	11	11	100	114	88	64	93	68	459
Oregon	8	7	8	5	8	109	118	94	74	85	36	480
Pennsylvania	21	28	32	33	25	594	850	641	659	635	139	3,379
Rhode Island	2	2	1	3	-	18	12	16	6	16	8	68
South Carolina	21	17	14	12	9	80	77	53	56	64	73	330
South Dakota	2	1	1	4	1	34	24	31	25	19	9	133
Tennessee	22	13	25	6	10	118	108	118	107	94	76	545
Texas	93	83	53	56	55	670	691	556	483	516	340	2,916
Utah	2	-	2	3	5	42	59	45	45	36	12	227
Vermont	-	-	-	2	1	14	23	30	19	15	3	101
Virginia	7	5	9	11	10	132	133	135	130	140	42	670
Washington	21	16	14	17	16	170	196	174	180	190	84	910
West Virginia	9	7	6	9	5	60	62	66	89	60	36	337
Wisconsin	10	8	9	4	11	114	120	100	101	105	42	540
Wyoming	-	6	1	3	-	85	92	96	64	57	10	394
Total	903	851	803	696	726	8,795	9,660	9,056	8,000	8,307	3,979	43,818

TABLE 1-6 TOTAL EMPLOYEE-ON-DUTY CASES BY RAILROAD

Railroads	2006		2007		2008		2009		2010	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alaska RR Corp.	22	2.70	30	3.74	73	9.15	81	10.99	38	5.54
Amtrak	594	3.29	487	2.68	531	2.88	442	2.32	649	3.24
Burlington Northern Santa Fe	664	1.54	855	2.03	845	2.05	764	2.10	687	1.81
Buffalo & Pittsburg	3	1.44	5	2.25	-	-	-	-	-	-
Belt Rwy Of Chicago	14	2.92	12	2.61	9	1.95	14	3.54	9	2.17
Canadian National	196	2.36	219	2.73	178	2.20	143	2.13	127	1.86
Canadian Pacific	107	2.30	146	3.14	123	2.65	122	2.98	91	2.08
Conrail Shared Assets	13	1.16	19	1.74	17	1.51	15	1.50	16	1.67
CSX Transportation	523	1.52	426	1.27	408	1.27	341	1.23	295	1.05
Florida East Coast	5	0.61	14	1.78	2	0.30	10	1.85	8	1.58
Guilford Rail System	12	1.39	23	2.61	10	1.15	10	1.29	8	0.98
Other Railroads	673	18.74	621	6.11	598	14.51	477	12.59	513	7.12
Indiana Harbor Belt	14	1.77	12	1.48	16	1.74	7	1.17	11	1.65
Kansas City Southern	53	1.56	57	1.64	39	1.09	51	1.65	55	1.77
Long Island Rail Road	181	2.81	170	2.52	160	2.23	189	2.66	210	3.16
MD Assn. of Rail Comm	2	0.75	1	0.37	1	0.37	1	0.38	6	2.19
Mass Bay Transit Auth.	74	4.25	59	3.02	73	3.61	84	4.24	88	4.45
Metro North Commuter	187	3.06	179	2.96	133	2.12	172	2.73	151	2.45
Montana Rail Link	45	4.34	31	3.00	32	2.96	31	3.18	9	0.97
Northern IN Comm Trans	3	0.97	5	1.60	7	2.17	5	1.56	5	1.74
Northeast IL Reg Comm	91	2.26	101	2.45	85	2.04	82	1.81	71	1.61
New Jersey Transit Rail	154	3.30	117	2.44	124	2.48	131	2.69	125	2.66
Norfolk Southern Corp.	339	1.06	377	1.18	302	0.95	299	1.09	251	0.88
Port Auth Trans Hudson	89	8.74	114	11.02	99	9.11	91	8.06	108	10.04
Peninsula Comm San Mateo Cnty	8	2.09	12	3.00	16	3.74	12	2.79	15	3.74
Port Terminal RR Assn	9	2.80	22	6.23	22	6.59	6	2.24	1	0.36
Southern CA Reg Rail Auth.	7	2.11	4	1.22	4	1.16	6	1.67	6	1.56
Southeastern PA Trans.	195	11.43	272	15.88	193	11.05	210	11.80	225	12.31
Term RR Assn Of St. Louis	3	1.01	2	0.74	1	0.39	7	3.49	4	1.87
Union Pacific	994	1.96	1,069	2.10	913	1.86	686	1.62	622	1.48
Union RR (Pittsburgh)	9	2.27	5	1.17	7	1.74	7	2.12	4	1.04
Wheeling & Lake Erie	8	1.79	7	1.68	2	0.49	5	1.38	7	2.00

Rate is the frequency of total cases per 200,000 hours worked

TABLE 1-7 TRAIN ACCIDENTS BY RAILROAD, EXCLUDING HRC

Railroads	2006		2007		2008		2009		2010	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alaska RR Corp.	1	0.65	1	0.66	2	1.39	7	4.93	3	2.21
Amtrak	103	2.70	84	2.12	95	2.39	86	2.07	89	2.19
Burlington Northern Santa Fe	659	3.29	628	3.30	602	3.24	410	2.61	443	2.62
Buffalo & Pittsburg	3	6.47	4	8.24	1	2.16	4	10.25	2	4.98
Belt Rwy Of Chicago	20	39.95	15	30.98	13	27.44	12	33.16	24	56.73
Canadian National	108	4.85	110	5.20	93	4.51	68	4.21	73	4.21
Canadian Pacific	56	3.68	61	4.12	59	4.11	39	3.25	31	2.23
Conrail Shared Assets	29	9.76	40	13.29	25	8.32	32	12.08	16	5.74
CSX Transportation	414	3.78	349	3.16	328	3.05	268	3.00	261	2.76
Florida East Coast	12	4.52	11	4.65	2	0.88	2	1.11	2	1.13
Guilford Rail System	10	6.87	3	1.88	4	2.73	4	3.33	3	1.80
Other Railroads	390	37.52	372	19.33	316	35.43	288	27.74	270	16.89
Indiana Harbor Belt	14	9.69	13	8.74	18	12.29	10	9.41	13	10.37
Kansas City Southern	86	7.40	90	7.90	69	6.07	48	4.74	34	3.28
Long Island Rail Road	9	1.07	5	0.59	13	1.51	15	1.75	7	0.84
MD Assn. of Rail Comm	3	2.51	-	-	3	2.50	2	1.74	5	4.65
Mass Bay Transit Auth.	1	0.25	4	0.99	3	0.71	1	0.24	4	0.97
Metro North Commuter	52	5.60	39	4.09	23	2.36	24	2.44	32	3.27
Montana Rail Link	22	5.37	11	2.77	27	6.72	8	2.42	12	3.29
Northern IN Comm Trans	2	2.65	3	3.92	2	2.61	-	-	-	-
Northeast IL Reg Comm	4	0.42	10	1.04	6	0.63	5	0.55	3	0.34
New Jersey Transit Rail	34	3.57	38	3.80	29	2.71	37	3.51	43	4.17
Norfolk Southern Corp.	258	2.45	250	2.44	253	2.50	225	2.63	208	2.28
Port Auth Trans Hudson	1	0.47	7	3.45	2	0.99	3	1.51	3	1.48
Peninsula Comm San Mateo Cnty	3	2.11	2	1.40	1	0.69	1	0.70	2	1.49
Port Terminal RR Assn	7	5.47	8	6.25	3	2.34	4	3.13	4	3.13
Southern CA Reg Rail Auth.	2	0.87	-	-	5	2.04	1	0.40	1	0.42
Southeastern PA Trans.	9	1.72	17	3.28	7	1.34	13	2.46	14	2.60
Term RR Assn Of St. Louis	14	20.37	8	12.23	6	9.75	3	7.35	6	11.99
Union Pacific	903	4.42	737	3.77	648	3.54	452	3.02	456	2.84
Union RR (Pittsburgh)	5	39.31	2	14.73	-	-	6	59.57	3	20.30
Wheeling & Lake Erie	16	12.19	12	9.39	15	14.31	6	6.39	11	12.08

Rate is the frequency of accidents per 1,000,000 train miles

TABLE 1-8 TRAIN ACCIDENTS BY STATE, EXCLUDING HRC

States	2006		2007		2008		2009		2010		5-year Total	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	82	2.7	70	2.6	66	2.7	53	2.8	66	3.5	337	2.8
Alaska	1	0.0	1	0.0	2	0.1	7	0.4	3	0.2	14	0.1
Arizona	36	1.2	23	0.9	30	1.2	18	0.9	14	0.7	121	1.0
Arkansas	78	2.6	58	2.2	65	2.6	43	2.3	36	1.9	280	2.3
California	191	6.4	155	5.8	120	4.8	101	5.3	86	4.5	653	5.5
Colorado	64	2.1	74	2.7	46	1.9	36	1.9	30	1.6	250	2.1
Connecticut	34	1.1	21	0.8	15	0.6	17	0.9	28	1.5	115	1.0
Delaware	7	0.2	7	0.3	4	0.2	4	0.2	4	0.2	26	0.2
Dist Of Columbia	13	0.4	8	0.3	20	0.8	7	0.4	5	0.3	53	0.4
Florida	46	1.5	46	1.7	22	0.9	15	0.8	16	0.8	145	1.2
Georgia	91	3.0	63	2.3	57	2.3	66	3.5	51	2.7	328	2.7
Idaho	31	1.0	18	0.7	25	1.0	16	0.8	13	0.7	103	0.9
Illinois	236	7.9	219	8.1	189	7.6	182	9.5	175	9.2	1,001	8.4
Indiana	65	2.2	78	2.9	67	2.7	42	2.2	41	2.2	293	2.4
Iowa	82	2.7	73	2.7	68	2.7	51	2.7	55	2.9	329	2.7
Kansas	99	3.3	87	3.2	90	3.6	61	3.2	48	2.5	385	3.2
Kentucky	48	1.6	43	1.6	39	1.6	29	1.5	34	1.8	193	1.6
Louisiana	92	3.1	92	3.4	74	3.0	45	2.4	48	2.5	351	2.9
Maine	13	0.4	9	0.3	6	0.2	6	0.3	7	0.4	41	0.3
Maryland	33	1.1	19	0.7	27	1.1	28	1.5	26	1.4	133	1.1
Massachusetts	19	0.6	16	0.6	18	0.7	16	0.8	12	0.6	81	0.7
Michigan	41	1.4	37	1.4	34	1.4	16	0.8	29	1.5	157	1.3
Minnesota	57	1.9	63	2.3	65	2.6	44	2.3	40	2.1	269	2.2
Mississippi	36	1.2	37	1.4	34	1.4	22	1.2	22	1.2	151	1.3
Missouri	63	2.1	63	2.3	81	3.3	51	2.7	36	1.9	294	2.5
Montana	42	1.4	24	0.9	52	2.1	14	0.7	44	2.3	176	1.5
Nebraska	92	3.1	101	3.8	93	3.8	72	3.8	74	3.9	432	3.6
Nevada	19	0.6	7	0.3	13	0.5	5	0.3	7	0.4	51	0.4
New Hampshire	-	-	1	0.0	-	-	1	0.1	-	-	2	0.0
New Jersey	53	1.8	76	2.8	48	1.9	64	3.4	56	3.0	297	2.5
New Mexico	30	1.0	21	0.8	22	0.9	15	0.8	15	0.8	103	0.9
New York	100	3.3	80	3.0	76	3.1	66	3.5	48	2.5	370	3.1
North Carolina	31	1.0	26	1.0	27	1.1	25	1.3	22	1.2	131	1.1
North Dakota	21	0.7	28	1.0	25	1.0	19	1.0	20	1.1	113	0.9
Ohio	91	3.0	99	3.7	99	4.0	76	4.0	84	4.4	449	3.8
Oklahoma	63	2.1	71	2.6	63	2.5	41	2.1	49	2.6	287	2.4
Oregon	64	2.1	39	1.4	31	1.3	24	1.3	26	1.4	184	1.5
Pennsylvania	102	3.4	83	3.1	75	3.0	79	4.1	69	3.6	408	3.4
Rhode Island	3	0.1	1	0.0	5	0.2	3	0.2	2	0.1	14	0.1
South Carolina	17	0.6	21	0.8	22	0.9	18	0.9	10	0.5	88	0.7
South Dakota	10	0.3	15	0.6	14	0.6	9	0.5	7	0.4	55	0.5
Tennessee	70	2.3	60	2.2	68	2.7	53	2.8	38	2.0	289	2.4
Texas	359	12.0	326	12.1	267	10.8	196	10.3	211	11.1	1,359	11.4
Utah	37	1.2	37	1.4	20	0.8	15	0.8	15	0.8	124	1.0
Vermont	3	0.1	2	0.1	3	0.1	2	0.1	3	0.2	13	0.1
Virginia	53	1.8	41	1.5	40	1.6	32	1.7	34	1.8	200	1.7
Washington	59	2.0	55	2.0	50	2.0	38	2.0	49	2.6	251	2.1
West Virginia	30	1.0	24	0.9	24	1.0	17	0.9	30	1.6	125	1.0
Wisconsin	30	1.0	27	1.0	35	1.4	19	1.0	20	1.1	131	1.1
Wyoming	61	2.0	47	1.7	42	1.7	28	1.5	39	2.1	217	1.8
Total	2,998	100.0	2,692	100.0	2,478	100.0	1,907	100.0	1,897	100.0	11,972	100.0

TABLE 1-9 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY RAILROAD

Railroads	2006			2007			2008			2009			2010		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alaska RR Corp.	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Amtrak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	312	141	7	270	108	10	316	121	6	191	73	7	184	69	8
Buffalo & Pittsburg	1	-	-	1	-	-	-	-	-	2	1	-	1	1	-
Belt Rwy Of Chicago	7	4	1	2	2	-	4	4	-	2	2	-	9	8	-
Canadian National	43	30	1	47	25	3	49	22	-	37	22	3	47	24	1
Canadian Pacific	20	6	1	11	7	-	14	4	1	13	7	-	15	5	-
Conrail Shared Assets	3	-	-	8	6	-	6	4	-	8	5	1	5	2	-
CSX Transportation	141	58	6	127	57	14	130	44	2	106	42	-	104	38	1
Florida East Coast	6	1	-	3	-	-	1	-	-	2	1	1	2	-	-
Guilford Rail System	6	1	-	1	1	-	2	1	1	-	-	-	1	-	-
Other Railroads	70	46	2	59	34	5	38	24	-	46	32	3	50	32	4
Indiana Harbor Belt	4	1	-	3	2	-	8	3	-	3	1	-	2	-	-
Kansas City Southern	20	10	-	40	21	1	11	8	-	13	6	-	14	2	-
Long Island Rail Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Metro North Commuter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana Rail Link	7	5	1	4	4	-	7	4	1	3	-	-	1	-	-
Northern IN Comm Trans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	49	16	6	37	16	7	31	9	5	34	18	4	33	28	5
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	1	-	-	4	2	-	-	-	-	3	1	-	5	4	-
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	2	2	-	-	-	-	1	1	-	1	-	-	1	1	-
Union Pacific	200	87	5	199	87	6	190	75	5	149	50	3	145	53	4
Union RR (Pittsburgh)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	5	3	-	4	-	-	3	2	1	-	-	-	2	1	-
Total	897	411	30	820	372	46	811	326	22	614	262	22	621	268	23

Cnt = number of Consists; Dmg = damaged; Rls = releases

TABLE 1-10 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY STATE

States	2006			2007			2008			2009			2010		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alabama	38	18	3	22	10	2	27	10	1	19	11	-	15	11	2
Alaska	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
Arizona	24	13	2	14	9	2	12	8	-	10	3	-	10	5	-
Arkansas	25	11	-	17	8	-	22	10	1	13	2	-	11	2	-
California	44	24	3	41	24	4	44	18	1	43	19	1	26	18	1
Colorado	17	10	1	18	6	1	18	6	-	10	5	1	10	4	-
Connecticut	-	-	-	-	-	-	-	-	-	-	-	-	4	4	-
Delaware	1	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Dist Of Columbia	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Florida	12	4	-	11	5	1	4	3	-	8	3	1	4	-	-
Georgia	23	10	2	18	4	2	20	6	2	25	11	1	25	8	2
Idaho	11	6	-	8	4	-	8	5	-	5	1	-	7	3	-
Illinois	72	29	2	55	16	1	66	28	-	55	29	4	55	24	1
Indiana	11	3	1	19	6	1	25	6	-	8	2	-	11	8	-
Iowa	9	1	-	21	9	-	18	4	-	24	8	1	24	8	-
Kansas	43	18	2	43	18	1	37	11	2	11	5	-	20	4	-
Kentucky	12	1	-	11	5	4	9	5	-	4	1	-	8	3	-
Louisiana	44	25	1	53	26	1	39	19	1	19	8	1	28	12	-
Maine	11	5	-	3	-	-	5	1	-	3	2	1	4	2	-
Maryland	7	3	-	3	1	-	1	-	-	8	4	-	7	3	-
Massachusetts	5	4	-	2	1	-	2	1	1	2	-	-	1	1	-
Michigan	7	5	-	6	3	-	5	2	-	4	-	-	6	2	-
Minnesota	17	8	1	21	6	1	26	14	2	14	7	1	18	6	-
Mississippi	11	7	-	21	9	1	14	5	-	7	6	-	6	4	2
Missouri	16	8	-	20	8	2	15	5	1	15	5	1	13	6	1
Montana	22	10	1	7	5	-	17	7	1	5	1	-	10	5	1
Nebraska	10	5	-	14	5	-	28	13	-	23	8	-	18	8	1
Nevada	2	2	-	2	1	-	4	1	-	5	3	-	4	2	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	4	2	-	10	7	-	7	4	-	7	4	1	4	2	-
New Mexico	12	5	-	11	5	-	13	8	1	8	4	-	7	2	-
New York	25	8	-	19	13	2	27	11	-	9	5	-	9	3	-
North Carolina	11	1	-	7	3	1	13	4	1	12	8	2	10	6	-
North Dakota	6	3	-	8	4	-	9	4	1	9	4	1	9	2	1
Ohio	28	16	2	23	11	4	24	8	2	14	6	-	22	12	1
Oklahoma	35	9	-	28	12	1	23	10	2	16	3	-	15	8	1
Oregon	16	7	-	10	2	-	8	5	-	9	3	-	4	2	-
Pennsylvania	20	8	4	12	7	1	7	3	1	15	10	-	6	4	-
Rhode Island	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
South Carolina	3	3	-	8	3	-	6	3	-	9	3	-	7	2	1
South Dakota	2	1	-	3	2	-	1	-	-	1	-	-	-	-	-
Tennessee	34	14	1	25	9	3	32	14	-	21	8	1	18	8	1
Texas	138	71	4	149	77	6	120	43	-	95	37	3	102	42	3
Utah	5	3	-	7	4	-	5	3	-	4	3	-	8	1	-
Vermont	1	1	-	2	2	2	-	-	-	-	-	-	1	1	-
Virginia	10	2	-	6	3	1	3	1	1	6	4	-	5	2	-
Washington	34	17	-	20	10	-	23	10	-	18	9	-	23	7	1
West Virginia	1	1	-	3	3	-	2	1	-	3	-	-	6	3	-
Wisconsin	10	4	-	7	2	-	14	3	-	10	2	-	12	5	1
Wyoming	8	4	-	12	4	1	8	3	-	6	4	1	7	2	2
Total	897	411	30	820	372	46	811	326	22	614	262	22	621	268	23

TABLE 1-11 TOTAL HIGHWAY-RAIL GRADE CROSSING INCIDENTS BY RAILROAD

Railroads	At Public Crossing					At Private Crossing				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
Alaska RR Corp.	1	1	1	4	1	-	-	-	-	-
Amtrak	110	118	118	115	112	23	18	19	14	23
Burlington Northern Santa Fe	337	292	256	207	253	57	61	46	50	44
Buffalo & Pittsburg	2	2	3	-	3	1	2	1	-	-
Belt Rwy Of Chicago	-	-	-	-	-	1	1	-	-	1
Canadian National	131	128	156	96	104	22	18	20	10	11
Canadian Pacific	53	51	47	38	32	6	12	4	7	6
Conrail Shared Assets	26	22	19	17	7	-	-	1	2	1
CSX Transportation	430	399	322	287	283	67	68	71	47	50
Florida East Coast	33	36	10	10	13	-	-	-	-	-
Guilford Rail System	-	1	6	1	1	-	-	1	1	-
Other Railroads	290	302	256	237	216	59	51	34	42	31
Indiana Harbor Belt	4	4	7	2	3	1	2	1	1	-
Kansas City Southern	99	68	76	48	55	5	12	5	6	8
Long Island Rail Road	10	11	11	14	4	-	-	-	1	-
MD Assn. of Rail Comm	-	2	1	3	-	-	-	-	-	-
Mass Bay Transit Auth.	6	3	2	2	3	-	-	1	-	-
Metro North Commuter	2	1	3	1	1	1	1	1	1	2
Montana Rail Link	4	6	3	3	4	5	1	5	2	1
Northern IN Comm Trans	5	6	5	4	10	-	-	-	-	-
Northeast IL Reg Comm	23	16	17	13	29	2	-	-	1	-
New Jersey Transit Rail	8	10	9	14	18	2	-	-	1	-
Norfolk Southern Corp.	394	362	343	232	239	86	87	67	45	47
Peninsula Comm San Mateo Cnty	11	7	7	10	7	1	-	1	1	-
Port Terminal RR Assn	2	3	3	-	5	-	3	2	1	1
Southern CA Reg Rail Auth.	18	17	13	9	8	1	1	-	-	-
Southeastern PA Trans.	1	4	-	5	4	-	-	-	-	-
Term RR Assn Of St. Louis	3	2	4	2	2	-	-	-	-	-
Union Pacific	502	460	375	263	319	85	85	64	56	50
Union RR (Pittsburgh)	-	-	-	-	1	-	1	-	-	-
Wheeling & Lake Erie	12	20	9	5	4	-	-	3	-	-
Total	2,517	2,354	2,082	1,642	1,741	425	424	347	289	276

TABLE 1-12 TOTAL HIGHWAY-RAIL GRADE CROSSING INCIDENTS BY STATE

States	At Public Crossing					At Private Crossing					At Public Crossing			At Private Crossing		
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010	Cnt	Kld	Nonf	Cnt	Kld	Nonf
Alabama	114	95	78	60	66	13	9	7	10	3	413	46	169	42	2	9
Alaska	1	1	1	4	1	-	-	-	-	-	8	1	1	-	-	-
Arizona	45	32	22	18	26	3	6	-	2	3	143	14	49	14	3	5
Arkansas	75	64	64	40	50	5	8	5	4	2	293	41	116	24	5	5
California	143	142	125	105	117	27	26	23	12	10	632	153	301	98	12	21
Colorado	35	23	27	20	15	10	9	4	4	3	120	27	49	30	1	13
Connecticut	6	2	3	4	2	2	1	1	1	1	17	1	6	6	-	3
Delaware	5	5	-	3	3	2	1	1	1	-	16	-	11	5	-	1
Dist Of Columbia	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
Florida	106	81	64	40	53	12	9	12	10	14	344	64	132	57	13	64
Georgia	119	114	89	95	62	16	24	21	12	6	479	42	170	79	4	13
Idaho	19	20	18	8	12	3	1	2	2	4	77	8	17	12	1	3
Illinois	152	133	131	82	116	22	27	22	24	10	614	123	271	105	4	36
Indiana	134	148	131	87	108	6	16	11	11	3	608	70	196	47	5	14
Iowa	60	74	64	47	49	9	8	8	5	6	294	24	101	36	2	8
Kansas	53	49	37	39	41	6	8	6	7	6	219	36	85	33	6	13
Kentucky	55	60	40	53	43	12	15	12	5	13	251	27	91	57	6	20
Louisiana	126	95	98	71	89	18	27	15	13	17	479	57	256	90	5	31
Maine	7	6	6	4	2	-	-	-	-	-	25	2	8	-	-	-
Maryland	15	13	11	11	10	9	3	7	2	3	60	1	19	24	1	8
Massachusetts	10	7	7	3	7	1	2	1	2	1	34	4	39	7	1	1
Michigan	74	62	53	46	46	8	5	6	4	6	281	31	93	29	3	18
Minnesota	53	48	54	35	40	8	11	3	5	3	230	29	79	30	2	11
Mississippi	77	64	68	38	43	5	5	2	4	4	290	44	167	20	1	11
Missouri	48	34	38	32	45	12	9	8	7	7	197	36	91	43	7	20
Montana	12	15	12	10	12	7	3	7	5	7	61	6	15	29	2	9
Nebraska	28	41	40	35	21	9	11	8	6	10	165	21	70	44	6	9
Nevada	2	1	3	3	-	2	-	3	1	1	9	-	2	7	-	3
New Hampshire	1	1	2	2	-	1	1	1	-	-	6	-	3	3	-	-
New Jersey	34	26	30	37	28	9	4	3	4	-	155	20	53	20	-	5
New Mexico	8	11	9	11	6	2	3	1	2	2	45	13	24	10	7	9
New York	24	39	39	21	25	8	10	1	10	8	148	21	35	37	6	13
North Carolina	57	57	60	50	36	18	11	9	5	13	260	28	124	56	3	20
North Dakota	12	11	13	15	19	-	2	1	1	2	70	9	29	6	1	-
Ohio	113	114	83	55	65	16	6	14	8	9	430	45	139	53	8	12
Oklahoma	66	55	56	42	41	4	4	2	6	-	260	41	147	16	1	5
Oregon	19	19	12	7	18	9	7	1	2	4	75	7	16	23	1	3
Pennsylvania	51	56	48	35	48	11	25	14	11	8	238	16	73	69	1	13
South Carolina	39	58	53	36	44	8	8	10	5	6	230	30	82	37	5	11
South Dakota	15	12	13	16	8	1	-	-	1	1	64	7	32	3	-	-
Tennessee	56	63	55	52	35	12	10	8	4	7	261	20	85	41	4	9
Texas	298	259	189	151	185	42	38	39	28	28	1,082	123	479	175	19	95
Utah	11	16	10	13	10	3	1	2	-	1	60	5	20	7	-	-
Vermont	2	3	2	7	3	1	1	1	2	1	17	2	6	6	1	2
Virginia	26	19	28	23	21	18	16	16	12	18	117	6	37	80	4	18
Washington	37	38	24	17	27	13	10	12	15	11	143	15	30	61	9	21
West Virginia	18	13	9	15	15	14	13	7	8	8	70	11	22	50	1	13
Wisconsin	52	53	60	42	28	6	9	9	4	5	235	11	72	33	2	8
Wyoming	3	2	3	2	-	1	1	1	2	1	10	1	2	6	-	2
Total	2,516	2,354	2,082	1,642	1,741	425	424	347	289	276	10,335	1339	4114	1,761	165	608

TABLE 1-13 HIGHWAY-RAIL GRADE CROSSING INCIDENT CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010
Alaska RR Corp.	-	-	-	1	-	-	-	-	-	1
Amtrak	49	60	47	51	44	99	113	172	110	155
Burlington Northern Santa Fe	58	47	43	38	50	182	143	130	105	118
Buffalo & Pittsburgh	-	-	-	-	-	1	-	-	-	-
Canadian National	18	8	17	6	11	43	63	62	38	52
Canadian Pacific	2	7	2	4	1	20	21	20	19	15
Conrail Shared Assets	-	-	-	-	-	6	4	5	5	1
CSX Transportation	54	48	41	31	32	143	154	171	104	122
Florida East Coast	4	3	1	2	4	6	11	7	4	3
Guilford Rail System	-	-	-	-	-	-	-	-	-	1
Other Railroads	20	16	18	17	14	74	87	67	65	73
Indiana Harbor Belt	-	-	-	-	-	2	1	2	-	1
Kansas City Southern	4	9	5	11	8	46	36	39	17	28
Long Island Rail Road	2	2	2	4	-	1	1	2	2	2
MD Assn. of Rail Comm	-	-	-	1	-	-	1	1	10	-
Mass Bay Transit Auth.	2	-	1	1	1	28	-	1	-	2
Metro North Commuter	-	-	-	-	-	1	4	1	-	2
Montana Rail Link	-	-	-	-	-	2	1	1	-	1
Northern IN Comm Trans	-	3	-	2	2	3	1	-	2	4
Northeast IL Reg Comm	5	5	4	4	10	26	6	4	5	10
New Jersey Transit Rail	3	3	1	4	3	5	1	3	11	6
Norfolk Southern Corp.	42	42	56	23	21	148	133	126	94	90
Peninsula Comm San Mateo Cnty	5	1	2	3	2	2	-	3	1	1
Port Terminal RR Assn	-	-	-	-	-	1	25	1	-	-
Southern CA Reg Rail Auth.	4	5	3	2	2	3	5	-	-	4
Southeastern PA Trans.	-	2	-	-	-	-	12	-	6	5
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	2	-	1
Union Pacific	96	77	46	43	51	225	223	167	141	154
Wheeling & Lake Erie	1	1	1	1	1	3	13	2	2	1
Total	369	339	290	249	257	1,070	1,059	989	741	853

TABLE 1-14 TOTAL HIGHWAY-RAIL GRADE CROSSING INCIDENT CASUALTIES BY STATE

States	Fatalities					Nonfatal					5-year Total	
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010	Kld	Nonf
Alabama	11	15	10	4	8	49	38	34	27	29	48	177
Alaska	-	-	-	1	-	-	-	-	-	1	1	1
Arizona	6	-	1	3	7	11	9	13	5	16	17	54
Arkansas	9	12	7	9	9	27	35	22	17	20	46	121
California	36	47	25	29	28	39	78	97	33	74	165	321
Colorado	10	2	8	1	7	33	11	3	9	6	28	62
Connecticut	-	-	-	1	-	3	4	1	-	1	1	9
Delaware	-	-	-	-	-	4	3	-	2	3	-	12
Florida	10	20	25	10	12	35	66	30	24	41	77	196
Georgia	8	17	8	6	7	37	46	38	36	25	46	182
Idaho	3	3	2	-	1	2	5	4	7	2	9	20
Illinois	25	29	27	18	28	74	69	74	50	40	127	307
Indiana	13	19	20	14	9	37	48	46	38	41	75	210
Iowa	6	7	5	4	4	20	27	25	19	18	26	109
Kansas	15	9	9	2	7	27	18	16	16	21	42	98
Kentucky	9	9	4	1	10	28	21	17	22	23	33	111
Louisiana	8	14	15	12	13	81	57	46	36	67	62	287
Maine	1	1	-	-	-	2	1	-	4	1	2	8
Maryland	1	1	-	-	-	7	5	4	9	2	2	27
Massachusetts	2	-	1	1	1	30	2	3	1	4	5	40
Michigan	10	3	4	12	5	30	19	21	14	27	34	111
Minnesota	12	5	6	6	2	17	18	20	14	20	31	89
Mississippi	13	3	14	8	7	37	23	79	24	15	45	178
Missouri	7	7	10	8	11	26	26	17	17	25	43	111
Montana	1	2	2	1	2	7	4	4	3	6	8	24
Nebraska	5	8	2	8	4	19	17	20	18	5	27	79
Nevada	-	-	-	-	-	1	-	3	1	-	-	5
New Hampshire	-	-	-	-	-	1	-	1	-	-	-	2
New Jersey	9	3	1	4	3	11	4	19	18	6	20	58
New Mexico	5	7	1	3	4	6	7	4	5	10	20	32
New York	5	5	6	9	2	10	12	13	3	10	27	48
North Carolina	8	6	8	8	1	23	19	31	34	37	31	144
North Dakota	-	4	1	3	2	4	4	5	6	8	10	27
Ohio	17	8	12	9	7	38	40	35	21	17	53	151
Oklahoma	16	9	8	4	5	36	36	31	23	26	42	152
Oregon	1	1	2	1	3	9	4	1	2	3	8	19
Pennsylvania	4	5	6	1	1	13	28	12	17	16	17	86
South Carolina	12	7	6	6	4	14	30	17	16	16	35	93
South Dakota	2	1	1	3	-	7	3	9	11	2	7	32
Tennessee	8	6	5	2	3	20	21	26	17	10	24	94
Texas	44	34	17	23	24	150	140	97	80	106	142	573
Utah	-	-	-	2	3	3	7	4	1	5	5	20
Vermont	-	-	-	2	1	2	-	2	2	2	3	8
Virginia	-	-	4	3	3	7	12	14	9	13	10	55
Washington	7	6	4	2	5	11	15	6	5	13	24	50
West Virginia	4	-	2	3	3	9	4	9	8	5	12	35
Wisconsin	6	3	1	2	1	12	22	14	17	15	13	80
Wyoming	-	1	-	-	-	1	1	2	-	-	1	4
Total	369	339	290	249	257	1,070	1,059	989	741	853	1,504	4,712

TABLE 1-15 TRESPASSER CASUALTIES BY RAILROAD, NOT AT HRC

Railroads	Fatalities					Nonfatal					5-year Total	
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010	Kld	Nonf
Alaska RR Corp.	-	-	-	2	-	-	1	-	-	1	2	2
Amtrak	67	64	70	84	82	26	20	35	30	33	367	144
Burlington Northern Santa Fe	82	66	59	77	70	98	84	61	46	65	354	354
Buffalo & Pittsburgh	1	-	1	-	-	-	-	-	-	-	2	-
Belt Rwy Of Chicago	-	-	-	-	-	-	-	1	1	-	-	2
Canadian National	9	10	14	5	11	9	9	6	4	9	49	37
Canadian Pacific	3	7	4	3	3	5	6	1	6	9	20	27
Conrail Shared Assets	1	-	-	1	-	4	3	1	1	2	2	11
CSX Transportation	86	80	76	69	81	60	53	67	66	69	392	315
Florida East Coast	14	17	11	9	18	6	10	4	2	7	69	29
Guilford Rail System	2	1	-	3	-	-	2	1	1	1	6	5
Other Railroads	11	13	17	10	15	21	13	11	8	16	66	69
Indiana Harbor Belt	1	-	-	-	-	2	1	-	-	-	1	3
Kansas City Southern	9	8	7	4	13	11	9	11	8	7	41	46
Long Island Rail Road	-	6	6	2	7	-	3	6	7	12	21	28
MD Assn. of Rail Comm	2	1	1	-	-	1	-	-	-	-	4	1
Mass Bay Transit Auth.	6	9	8	4	2	-	1	5	3	5	29	14
Metro North Commuter	1	9	2	4	2	4	1	5	3	3	18	16
Montana Rail Link	-	-	-	2	-	1	-	1	1	-	2	3
Northern IN Comm Trans	-	1	-	-	-	-	2	-	-	-	1	2
Northeast IL Reg Comm	2	5	13	6	11	7	11	6	8	8	37	40
New Jersey Transit Rail	6	11	9	15	11	9	3	3	2	4	52	21
Norfolk Southern Corp.	75	67	73	59	43	65	53	74	50	44	317	286
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	1	-	1
Peninsula Comm San Mateo Cnty	4	2	2	1	-	3	2	3	2	2	9	12
Southern CA Reg Rail Auth.	5	4	2	1	2	-	1	1	1	1	14	4
Southeastern PA Trans.	2	-	4	3	4	1	1	2	3	7	13	14
Union Pacific	122	89	78	52	59	148	117	128	91	82	400	566
Wheeling & Lake Erie	-	-	-	-	-	-	1	-	-	-	-	1
Total	511	470	457	416	434	481	407	433	344	388	2,288	2,053

TABLE 1-16 TRESPASSER CASUALTIES BY STATE, NOT AT HRC

States	Fatalities					Nonfatal					5-year Total	
	2006	2007	2008	2009	2010	2006	2007	2008	2009	2010	Kld	Nonf
Alabama	10	5	6	7	5	11	5	12	6	9	33	43
Alaska	-	-	-	2	-	-	1	-	-	1	2	2
Arizona	20	10	13	8	9	22	14	16	12	6	60	70
Arkansas	6	6	3	-	6	7	4	6	7	1	21	25
California	81	71	60	47	59	61	41	49	40	53	318	244
Colorado	7	2	5	2	4	12	14	13	3	6	20	48
Connecticut	2	8	6	3	5	3	3	4	4	4	24	18
Delaware	2	2	1	2	1	1	-	4	-	-	8	5
Dist Of Columbia	-	-	1	1	1	1	-	1	2	-	3	4
Florida	28	33	26	19	35	20	16	14	8	13	141	71
Georgia	8	14	15	10	16	17	12	8	14	14	63	65
Idaho	2	-	1	2	-	-	2	-	4	2	5	8
Illinois	25	26	39	20	31	29	35	26	23	25	141	138
Indiana	10	14	7	13	6	13	13	14	13	9	50	62
Iowa	-	4	2	3	2	2	3	5	4	6	11	20
Kansas	9	5	4	4	3	12	8	9	8	6	25	43
Kentucky	11	5	8	5	5	9	4	9	7	6	34	35
Louisiana	14	8	6	10	11	17	11	10	5	6	49	49
Maine	4	-	-	1	-	-	1	1	-	1	5	3
Maryland	10	9	7	5	17	2	2	5	3	7	48	19
Massachusetts	13	11	15	11	4	1	3	10	4	10	54	28
Michigan	12	6	7	8	9	2	4	3	4	8	42	21
Minnesota	6	6	5	10	3	6	11	5	5	6	30	33
Mississippi	4	6	4	6	4	7	6	3	5	3	24	24
Missouri	12	5	9	12	8	11	9	5	7	10	46	42
Montana	4	1	2	3	2	5	4	3	1	3	12	16
Nebraska	3	-	1	3	1	5	5	4	6	4	8	24
Nevada	6	4	4	-	4	8	2	6	2	4	18	22
New Hampshire	-	-	1	-	-	-	-	-	-	-	1	-
New Jersey	10	13	16	19	17	9	6	6	9	8	75	38
New Mexico	4	8	11	10	8	8	4	6	4	7	41	29
New York	9	18	17	18	20	6	10	13	21	19	82	69
North Carolina	21	21	17	15	18	14	16	19	14	15	92	78
North Dakota	2	-	2	-	2	1	1	3	-	1	6	6
Ohio	24	20	15	22	14	15	17	14	7	12	95	65
Oklahoma	5	4	3	7	6	6	7	5	4	4	25	26
Oregon	7	6	6	4	5	3	8	10	5	9	28	35
Pennsylvania	17	23	25	30	23	18	18	16	15	19	118	86
Rhode Island	2	2	-	3	-	1	-	1	-	-	7	2
South Carolina	9	10	8	6	5	11	2	7	3	7	38	30
South Dakota	-	-	-	1	1	3	-	-	2	1	2	6
Tennessee	13	7	20	4	7	6	3	9	8	6	51	32
Texas	49	47	31	31	28	70	47	50	31	33	186	231
Utah	1	-	2	1	2	-	4	4	1	-	6	9
Vermont	-	-	-	-	-	1	-	-	-	-	-	1
Virginia	7	5	5	7	6	9	6	8	7	4	30	34
Washington	13	10	10	14	11	10	17	7	7	10	58	51
West Virginia	5	7	4	5	1	1	3	8	4	6	22	22
Wisconsin	4	4	7	1	9	5	4	-	4	3	25	16
Wyoming	-	4	-	1	-	-	1	2	1	1	5	5
Total	511	470	457	416	434	481	407	433	344	388	2,288	2,053

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CHAPTER 2

CURRENT-YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

FRA's regulations on reporting railroad accidents/incidents are found primarily at 49 CFR Part 225. The purpose of the regulations in Part 225 is to provide FRA with accurate information concerning the hazards and risks that exist on the Nation's railroads. FRA needs this information to effectively carry out its regulatory and enforcement responsibilities under the Federal railroad safety statutes. FRA also uses this information to determine comparative trends of railroad safety and to develop hazard elimination and risk reduction programs that focus on preventing railroad injuries and accidents. Issuance of these regulations preempts States from prescribing accident/incident reporting requirements. Any State may, however, require railroads to submit copies of reports filed with FRA under Part 225 for accidents/incidents that occur in that State.

These FRA accident/incident reporting requirements apply to all railroads except:

1. A railroad that operates freight trains only on track inside an installation that is not part of the general railroad system of transportation, or that owns no track except for track that is inside an installation that is not part of the general railroad system of transportation and used for freight operations.
2. Rail mass transit operations in an urban area that are not connected with the general railroad system of transportation.
3. A railroad that exclusively hauls passengers inside an installation that is insular or that owns no track except for track used exclusively for the hauling of passengers inside an installation that is insular. An operation is not considered insular if one or more of the following exists on its line:
 - a. A public highway-rail grade crossing that is in use.
 - b. An at-grade rail crossing that is in use.
 - c. A bridge over a public road or waters used for commercial navigation.
 - d. A common corridor with a railroad, i.e., its operations are within 30 feet of those of any railroad.

Part 225 covers any and all activities of a railroad related to the performance of its rail transportation business. "Railroad transportation" means any form of nonhighway ground transportation that runs on rails or electromagnetic guideways, including (1) commuter or other short-haul railroad passenger service in a metropolitan or suburban area, as well as any commuter railroad service that was operated by the Consolidated Rail Corporation as of January 1, 1979; and (2) high-speed ground transportation systems that connect metropolitan areas, without regard to whether they use new technologies not associated with traditional railroads.

Such terms do not include rapid transit operations within an urban area that are not connected to the general railroad system of transportation.

Approximately 750 railroads currently submit accident/incident reports. It is not possible to display the safety record of each railroad in this publication. Consequently, the listing of individual railroads has been limited to those defined by the Surface Transportation Board (STB) to be Class I railroads, and those railroads reporting that annual employees worked in excess of 400,000 hours.

Railroads have been assigned to one of three groups in this bulletin. Group 1 corresponds to the railroads that have been defined as Class I; Group 2 includes railroads that reported at least 400,000 hours worked; and Group 3 contains all other railroads.

In order to conserve space, most tables display the reporting code assigned to a railroad. Please see Table 2-8 for a listing of the codes and railroad names.

CONTENTS

CHAPTER 2

CURRENT-YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

Tables	Title	Page
2-1	Accidents/Incidents, by Month, 2010	24
2-2	Accident/Incident Rates, by Month, 2010	24
2-3	Accidents/Incidents, by Railroad Groups, 2010	25
2-4	Operational Data, by Railroad Groups, 2010	25
2-5	Accident/Incident Rates, by Railroad Groups, 2010	25
2-6	Accidents/Incidents, by Railroad, 2010	26
2-7	Accident/Incident Rates, by Railroad, 2010	27
2-8	Railroad Rankings, 2010	28
2-9	Operational Data, by Railroad, 2010	29
2-10	Operational Data, by Month, 2010	30
2-11	Summary of Accidents/Incidents, by State, 2010	31

TABLE 2-1 ACCIDENTS/INCIDENTS, BY MONTH, 2010

Months	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
January	976	42	674	177	1	22	198	16	70	601	25	582
February	974	49	713	167	3	11	175	19	86	632	27	616
March	967	58	687	168	2	7	175	29	69	624	27	611
April	838	55	604	138	-	4	138	21	64	562	34	536
May	948	75	708	141	1	21	157	17	81	650	57	606
June	1,034	73	744	170	-	5	162	21	71	702	52	668
July	1,012	77	716	175	1	3	155	23	70	682	53	643
August	1,100	62	823	178	-	9	163	21	85	759	41	729
September	947	66	705	146	-	8	157	25	80	644	41	617
October	986	72	695	150	-	2	195	31	67	641	41	626
November	883	48	629	138	-	11	156	15	48	589	33	570
December	890	49	609	149	-	2	186	19	62	555	30	545
Total	11,555	726	8,307	1,897	8	105	2,017	257	853	7,641	461	7,349

TABLE 2-2 ACCIDENT/INCIDENT RATES, BY MONTH, 2010

Months	Total Accident/ Incident	Train Accidents	Employee On Duty	Highway-Rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
January	17.36	3.15	2.11	3.52	10.69	0.75	5.87	1.70	12.09	1.85
February	18.32	3.14	2.05	3.29	11.89	1.00	6.13	1.13	14.56	1.47
March	15.93	2.77	2.04	2.88	10.28	0.84	4.97	0.55	12.47	1.38
April	14.23	2.34	1.91	2.34	9.54	0.83	3.71	0.57	10.43	1.20
May	15.79	2.35	1.94	2.62	10.83	1.42	6.86	1.02	11.19	1.12
June	17.63	2.90	2.13	2.76	11.97	1.59	4.92	0.64	12.56	1.52
July	16.78	2.90	2.06	2.57	11.31	1.36	5.43	1.36	11.52	1.70
August	17.88	2.89	2.32	2.65	12.34	1.32	6.72	0.53	12.25	1.58
September	16.14	2.49	1.90	2.68	10.98	1.35	8.31	0.44	13.19	1.08
October	15.73	2.39	1.96	3.11	10.22	1.37	5.44	0.86	10.07	1.33
November	15.08	2.36	1.98	2.66	10.06	1.08	4.91	1.24	10.04	1.27
December	15.15	2.54	1.82	3.17	9.45	0.99	3.99	1.88	9.67	1.50
Total	16.32	2.68	2.02	2.85	10.79	1.16	5.54	0.99	11.64	1.41

1. Total accident/incident rate of all reported events * 1,000,000 / train miles
2. Train accidents * 1,000,000 / total train miles
3. Employee deaths, injuries, illnesses * 200,000 / total hours worked
4. Highway-rail incidents * 1,000,000 / total train miles
5. Other events (not train accidents or crossing incidents) * 1,000,000 / train miles
6. Trespassing deaths and injuries * 1,000,000 / total train miles
7. Passenger on train deaths and injuries * 100,000,000 / total passenger miles
8. Passenger train accidents * 1,000,000 / passenger train miles
9. Accidents on yard track * 1,000,000 / yard switching train miles
10. Accidents on other than yard track * 1,000,000 / (total train miles - yard switching)

TABLE 2-3 ACCIDENTS / INCIDENTS, BY RAILROAD GROUPS, 2010

Groups	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
I	7,765	603	5,246	1,469	6	90	1,636	218	734	4,660	379	4,422
II	2,728	89	2,407	204	1	12	142	25	51	2,382	63	2,344
III	1,062	34	654	224	1	3	239	14	68	599	19	583
All	11,555	726	8,307	1,897	8	105	2,017	257	853	7,641	461	7,349

TABLE 2-4 OPERATIONAL DATA, BY RAILROAD GROUPS, 2010

Groups	Train Miles	Freight Train Miles	Passenger Train Miles	Yard Switching Train Miles	Other Train Miles	Employee Hours	Passengers Carried
I	597,032,324	486,339,784	38,689,000	69,169,849	2,833,691	341,920,608	29,141,088
II	71,298,307	9,135,710	51,809,043	9,675,713	677,841	69,571,940	501,123,807
III	39,863,470	12,546,823	17,750,520	8,793,379	772,748	25,876,399	114,855,696
All	708,194,101	508,022,317	108,248,563	87,638,941	4,284,280	437,368,947	645,120,591

TABLE 2-5 ACCIDENT / INCIDENT RATES, BY RAILROAD GROUPS, 2010

Groups	Total Accident / Incident	Train Accidents	Employee On Duty	Highway-Rail Crossing	Other Events	Trespasser	Passenger On Trains	Passenger Train	Yard Track	Other Track
I	13.01	2.46	1.62	2.74	7.81	1.14	11.98	1.14	12.25	1.18
II	38.26	2.86	3.25	1.99	33.41	1.56	5.06	1.14	10.96	1.59
III	26.64	5.62	3.91	6.00	15.03	0.78	0.36	0.23	7.62	5.05
Tot	16.32	2.68	2.02	2.85	10.79	1.16	5.54	0.99	11.64	1.41

TABLE 2-6 ACCIDENTS/INCIDENTS, BY RAILROAD, 2010

Group - Railroads		Total			Train Accidents			HRC Incidents			Other Incidents		
		Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
1	Amtrak	1,845	132	1,769	89	4	42	135	44	155	1,621	84	1,572
	Burlington Northern Santa Fe	1,686	125	1,030	443	1	13	297	50	118	946	74	899
	Canadian National	331	22	192	73	-	5	115	11	52	143	11	135
	Canadian Pacific	181	4	127	31	-	-	38	1	15	112	3	112
	CSX Transportation	1,059	117	524	261	-	8	333	32	122	465	85	394
	Kansas City Southern	178	23	104	34	-	3	63	8	28	81	15	73
	Norfolk Southern Corp.	904	67	463	208	1	4	286	21	90	410	45	369
	Union Pacific	1,707	113	1,037	456	-	15	369	51	154	882	62	868
2	Alaska RR Corp.	42	-	40	3	-	1	1	-	1	38	-	38
	Buffalo & Pittsburg	6	-	1	2	-	-	3	-	-	1	-	1
	Belt Rwy Of Chicago	34	-	9	24	-	-	1	-	-	9	-	9
	Conrail Shared Assets	56	2	32	16	-	-	8	-	1	32	2	31
	Florida East Coast	45	22	19	2	-	-	13	4	3	30	18	16
	Guilford Rail System	13	1	9	3	-	-	1	-	1	9	1	8
	Other Railroads	24	-	13	8	-	-	8	-	5	8	-	8
	Indiana Harbor Belt	27	-	12	13	-	-	3	-	1	11	-	11
	Long Island Rail Road	549	7	533	7	-	-	4	-	2	538	7	531
	MD Assn. of Rail Comm	36	-	37	5	-	4	-	-	-	31	-	33
	Mass Bay Transit Auth.	183	4	175	4	-	-	3	1	2	176	3	173
	Metro North Commuter	292	2	262	32	-	-	3	-	2	257	2	260
	Montana Rail Link	27	-	11	12	-	-	5	-	1	10	-	10
	Northern IN Comm Trans	21	2	15	-	-	-	10	2	4	11	-	11
	Northeast IL Reg Comm	296	21	268	3	-	-	29	10	10	264	11	258
	New Jersey Transit Rail	388	16	332	43	-	6	18	3	6	327	13	320
	Port Auth Trans Hudson	170	-	167	3	-	-	-	-	-	167	-	167
	Peninsula Comm San Mateo Cnty	39	2	31	2	-	-	7	2	1	30	-	30
	Port Terminal RR Assn	11	-	1	4	-	-	6	-	-	1	-	1
	Southern CA Reg Rail Auth.	34	4	29	1	-	-	8	2	4	25	2	25
	Southeastern PA Trans.	411	4	395	14	-	1	4	-	5	393	4	389
	Term RR Assn Of St. Louis	12	-	5	6	-	-	2	-	1	4	-	4
	Union RR (Pittsburgh)	7	1	3	3	1	-	1	-	-	3	-	3
	Wheeling & Lake Erie	22	1	8	11	-	-	4	1	1	7	-	7
3	Other Railroads	1,100	34	654	262	1	3	239	14	68	599	19	583

Highway-rail counts are excluded from other categories

TABLE 2-7 ACCIDENT/INCIDENT RATES, BY RAILROAD, 2010

Group - Railroads		Total Rate 1/	Train Acc Rate 2/	EOD Rate 3/	HRC Rate 4/	Other Events 5/	Tres Rate 6/	Psgr Rate 7/	Psgr Train Rate 8/	Yard Rate 9/	Other Track Rate 10/
1	Amtrak	45.45	2.19	3.24	3.33	39.93	2.83	11.98	1.14	11.02	1.76
	Burlington Northern Santa Fe	9.98	2.62	1.81	1.76	5.60	0.80	.	.	18.75	1.24
	Canadian National	19.10	4.21	1.86	6.64	8.25	1.15	.	.	15.18	2.01
	Canadian Pacific	13.03	2.23	2.08	2.73	8.06	0.86	.	.	7.11	1.14
	CSX Transportation	11.21	2.76	1.05	3.53	4.92	1.59	.	.	11.24	1.28
	Kansas City Southern	17.19	3.28	1.77	6.08	7.82	1.93	.	.	8.46	2.04
	Norfolk Southern Corp.	9.93	2.28	0.88	3.14	4.50	0.96	.	.	8.93	1.16
	Union Pacific	10.65	2.84	1.48	2.30	5.50	0.88	.	.	14.09	1.31
2	Alaska RR Corp.	30.95	2.21	5.54	0.74	28.00	0.74	.	.	.	4.62
	Buffalo & Pittsburg	14.93	4.98	.	7.46	2.49	.	.	.	.	7.01
	Belt Rwy Of Chicago	80.37	56.73	2.17	2.36	21.27	.	.	.	49.70	193.37
	Conrail Shared Assets	20.07	5.74	1.67	2.87	11.47	0.72	.	.	5.86	5.58
	Florida East Coast	25.33	1.13	1.58	7.32	16.88	14.07	.	.	.	1.44
	Guilford Rail System	7.81	1.80	0.98	0.60	5.41	0.60	.	.	1.33	2.18
	Other Railroads	30.96	10.32	3.21	10.32	10.32	.	.	.	12.71	9.27
	Indiana Harbor Belt	21.54	10.37	1.65	2.39	8.78	.	.	.	11.07	8.58
	Long Island Rail Road	65.75	0.84	3.16	0.48	64.43	2.28	4.70	0.36	.	0.36
	MD Assn. of Rail Comm	33.49	4.65	2.19	.	28.84	.	10.01	2.98	346.86	2.81
	Mass Bay Transit Auth.	44.34	0.97	4.45	0.73	42.64	1.70	13.15	0.73	.	0.73
	Metro North Commuter	29.87	3.27	2.45	0.31	26.29	0.51	1.57	2.05	.	2.66
	Montana Rail Link	7.41	3.29	0.97	1.37	2.74	.	.	.	19.55	0.94
	Northern IN Comm Trans	27.76	.	1.74	13.22	14.54	.	1.59	.	.	.
	Northeast IL Reg Comm	33.47	0.34	1.61	3.28	29.85	2.15	6.67	.	1.43	0.13
	New Jersey Transit Rail	37.60	4.17	2.66	1.74	31.69	1.45	4.44	1.71	60.97	2.21
	Port Auth Trans Hudson	84.14	1.48	10.04	.	82.66	0.49	9.69	.	11.39	.
	Peninsula Comm San Mateo Cnty	29.00	1.49	3.74	5.21	22.31	1.49	2.17	0.76	27.14	0.76
	Port Terminal RR Assn	8.59	3.13	0.36	4.69	0.78	.	.	.	2.34	.
	Southern CA Reg Rail Auth.	14.36	0.42	1.56	3.38	10.56	1.27	0.83	.	.	.
	Southeastern PA Trans.	76.37	2.60	12.31	0.74	73.02	2.04	12.22	2.42	.	2.23
	Term RR Assn Of St. Louis	23.98	11.99	1.87	4.00	7.99	.	.	.	7.99	.
	Union RR (Pittsburgh)	47.36	20.30	1.04	6.77	20.30	.	.	.	6.77	.
	Wheeling & Lake Erie	24.16	12.08	2.00	4.39	7.69	.	.	.	40.32	4.21
	Other Railroads	27.59	6.57	3.91	6.00	15.03	0.78	0.36	0.23	9.89	5.63

1. Total Accident/incident rate of all reported events * 1,000,000 / train miles

2. Train accidents * 1,000,000 / total train miles

3. Employee deaths, injuries, illnesses * 200,000 / total hours worked

4. Highway-rail incidents * 1,000,000 / total train miles

5. Other events (not train accidents or crossing incidents) * 1,000,000 / train miles

6. Trespassing deaths and injuries * 1,000,000 / total train miles

7 Passenger on train deaths and injuries * 100,000,000 / total passenger miles

8. Passenger train accidents * 1,000,000 / passenger train miles

9. Accidents on yard track * 1,000,000 / yard switching train miles

10. Accidents on other than yard track * 1,000,000 / (total train miles - yard switching)

TABLE 2-8 RAILROAD RANKINGS, 2010

Railroads		Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
1	ATK - Amtrak	5	5	45	2	3	3	40	3
	BNSF - Burlington Northern Santa Fe	1	2	10	3	2	2	6	1
	CN - Canadian National	6	6	19	4	2	7	8	1
	CP - Canadian Pacific	7	7	13	2	2	3	8	1
	CSX - CSX Transportation	3	4	11	3	1	4	5	2
	KCS - Kansas City Southern	8	8	17	3	2	6	8	2
	NS - Norfolk Southern Corp.	4	3	10	2	1	3	5	1
	UP - Union Pacific	2	1	11	3	1	2	6	1
2	ARR - Alaska RR Corp.	13	11	31	2	6	1	28	1
	BPRR - Buffalo & Pittsburg	23	24	15	5	0	7	2	0
	BRC - Belt Rwy Of Chicago	22	14	80	57	2	2	21	0
	CRSH - Conrail Shared Assets	8	8	20	6	2	3	11	1
	FEC - Florida East Coast	11	13	25	1	2	7	17	14
	GRS - Guilford Rail System	12	10	8	2	1	1	5	1
	IAIS - Other Railroads	19	22	31	10	3	10	10	0
	IHB - Indiana Harbor Belt	16	12	22	10	2	2	9	0
	LI - Long Island Rail Road	4	1	66	1	3	0	64	2
	MACZ - MD Assn. of Rail Comm	17	21	33	5	2	0	29	0
	MBTA - Mass Bay Transit Auth.	6	5	44	1	4	1	43	2
	MH - Other Railroads	25	25	0	0	0	0	0	0
	MNCW - Metro North Commuter	2	2	30	3	2	0	26	1
	MRL - Montana Rail Link	7	9	7	3	1	1	3	0
	NICD - Northern IN Comm Trans	20	19	28	0	2	13	15	0
	NIRC - Northeast IL Reg Comm	3	4	33	0	2	3	30	2
	NJTR - New Jersey Transit Rail	1	3	38	4	3	2	32	1
	PATH - Port Auth Trans Hudson	10	7	84	1	10	0	83	0
	PCMZ - Peninsula Comm San Mateo Cnty	14	15	29	1	4	5	22	1
	PTRA - Port Terminal RR Assn	15	20	9	3	0	5	1	0
	SCAX - Southern CA Reg Rail Auth.	9	17	14	0	2	3	11	1
	SEPA - Southeastern PA Trans.	5	6	76	3	12	1	73	2
	TRRA - Term RR Assn Of St. Louis	21	23	24	12	2	4	8	0
	URR - Union RR (Pittsburgh)	24	16	47	20	1	7	20	0
	WE - Wheeling & Lake Erie	18	18	24	12	2	4	8	0

TABLE 2-9 OPERATIONAL DATA, BY RAILROAD, 2010

Railroads	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgs Carried	Psgs Miles Millions
ARR	1,357,035	0.19	1,371,320	0.31	492,252	157,227	707,556	-	131,624	16
ATK	40,594,312	5.73	40,007,884	9.15	-	38,689,000	1,905,312	-	29,141,088	6,420
BNSF	169,002,508	23.86	75,873,496	17.35	155,672,631	-	13,329,877	-	-	-
BPRR	401,903	0.06	412,988	0.09	285,490	-	116,413	-	-	-
BRC	423,064	0.06	827,900	0.19	20,686	-	402,378	-	-	-
CN	17,325,941	2.45	13,664,515	3.12	14,410,388	-	2,897,741	17,812	-	-
CP	13,895,199	1.96	8,765,218	2.00	11,363,806	-	2,531,393	-	-	-
CRSH	2,789,583	0.39	1,918,329	0.44	1,253,481	-	1,536,102	-	-	-
CSX	94,459,166	13.34	56,437,107	12.90	80,405,831	-	14,051,424	1,911	-	-
FEC	1,776,875	0.25	1,015,475	0.23	1,385,116	-	391,759	-	-	-
GRS	1,664,659	0.24	1,624,925	0.37	915,587	-	749,072	-	-	-
IAIS	775,147	0.11	436,361	0.10	536,519	645	235,970	2,013	34,252	0
IHB	1,253,220	0.18	1,333,777	0.30	349,662	-	903,558	-	-	-
KCS	10,354,430	1.46	6,217,220	1.42	8,345,408	-	2,009,022	-	-	-
LI	8,350,245	1.18	13,271,072	3.03	-	8,350,245	-	-	81,555,700	2,190
MACZ	1,075,022	0.15	547,483	0.13	-	1,005,393	5,766	63,863	8,109,114	240
MBTA	4,127,638	0.58	3,958,606	0.91	-	4,127,638	-	-	36,936,694	517
MH	12,748	0.00	21,814	0.00	1,088	11,192	424	44	51,938	1
MNCW	9,774,993	1.38	12,334,010	2.82	-	9,774,993	-	-	79,210,948	2,356
MRL	3,643,912	0.51	1,862,490	0.43	3,183,523	-	460,389	-	-	-
NICD	756,435	0.11	573,514	0.13	-	756,435	-	-	3,971,896	125
NIRC	8,843,689	1.25	8,816,548	2.02	-	7,427,229	1,395,055	21,405	77,288,166	1,753
NJTR	10,318,617	1.46	9,414,439	2.15	-	9,383,653	344,448	590,516	73,428,700	2,140
NS	91,082,015	12.86	56,807,895	12.99	77,868,656	-	13,213,359	-	-	-
PATH	2,020,330	0.29	2,150,363	0.49	-	1,756,876	263,454	-	82,843,850	351
PCMZ	1,344,647	0.19	801,870	0.18	-	1,307,807	36,840	-	12,113,701	276
PTRA	1,279,872	0.18	558,737	0.13	-	-	1,279,872	-	-	-
SCAX	2,367,698	0.33	767,075	0.18	-	2,367,698	-	-	10,534,438	361
SEPA	5,382,012	0.76	3,656,487	0.84	-	5,382,012	-	-	34,912,786	475
TRRA	500,466	0.07	428,322	0.10	-	-	500,466	-	-	-
UP	160,318,753	22.64	84,147,273	19.24	138,273,064	-	19,231,721	2,813,968	-	-
URR	147,801	0.02	768,451	0.18	-	-	147,801	-	-	-
WE	910,696	0.13	699,584	0.16	712,306	-	198,390	-	-	-
XXXX	39,863,470	5.63	25,876,399	5.92	12,546,823	17,750,520	8,793,379	772,748	114,855,696	6,971
Total	708,194,101	100.0	437,368,947	100.0	508,022,317	108,248,563	87,638,941	4,284,280	645,120,591	24,194

XXXX = all other railroads

TABLE 2-10 OPERATIONAL DATA, BY MONTH, 2010

Months	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgs Carried	Psgr Miles Millions
January	56,233,587	7.94	34,953,524	7.99	39,969,024	8,804,846	7,112,831	346,886	49,198,559	1,875
February	53,155,900	7.51	33,721,637	7.71	38,062,549	7,963,885	6,797,775	331,691	47,133,267	1,795
March	60,687,650	8.57	37,918,235	8.67	43,586,966	9,105,233	7,618,946	376,505	56,493,253	2,215
April	58,910,106	8.32	36,409,664	8.32	42,370,643	8,848,426	7,286,840	404,197	54,944,329	2,159
May	60,020,166	8.48	36,268,961	8.29	43,477,275	8,866,564	7,331,115	345,212	53,691,155	2,071
June	58,665,561	8.28	36,952,179	8.45	41,511,818	9,403,723	7,325,758	424,262	56,092,859	2,217
July	60,314,814	8.52	36,769,866	8.41	43,037,443	9,544,957	7,380,589	351,825	55,135,250	2,100
August	61,530,310	8.69	37,700,946	8.62	44,236,261	9,346,952	7,592,761	354,336	55,832,418	2,098
September	58,661,112	8.28	37,062,227	8.47	42,390,839	9,124,503	6,823,113	322,657	54,705,099	1,672
October	62,701,372	8.85	38,117,732	8.72	45,355,203	9,335,121	7,649,869	361,179	55,180,703	2,021
November	58,555,792	8.27	35,874,996	8.20	42,090,413	8,869,236	7,272,204	323,939	53,391,223	1,916
December	58,757,731	8.30	35,618,980	8.14	41,933,883	9,035,117	7,447,140	341,591	53,322,476	2,054
Total	708,194,101	100.0	437,368,947	100.0	508,022,317	108,248,563	87,638,941	4,284,280	645,120,591	24,194

TABLE 2-11 SUMMARY OF ACCIDENTS/INCIDENTS, BY STATE, 2010

States	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
Alabama	208	15	107	66	1	6	69	8	29	73	6	72
Alaska	54	-	52	3	-	1	1	-	1	50	0	50
Arizona	113	16	79	14	-	-	29	7	16	70	9	63
Arkansas	159	15	104	36	-	15	52	9	20	71	6	69
California	710	89	534	86	1	5	127	28	74	497	60	455
Colorado	141	11	95	30	-	-	18	7	6	93	4	89
Connecticut	142	6	109	28	-	-	3	-	1	111	6	108
Delaware	72	1	68	4	-	-	3	-	3	65	1	65
Dist Of Columbia	88	1	89	5	-	6	-	-	-	83	1	83
Florida	253	47	181	16	-	-	67	12	41	170	35	140
Georgia	249	25	143	51	-	3	68	7	25	130	18	115
Idaho	50	1	23	13	-	-	16	1	2	21	0	21
Illinois	1,087	61	828	175	-	17	126	28	40	786	33	771
Indiana	286	16	168	41	-	-	111	9	41	134	7	127
Iowa	209	6	117	55	-	-	55	4	18	99	2	99
Kansas	198	11	121	48	-	-	47	7	21	103	4	100
Kentucky	148	15	76	34	-	-	56	10	23	58	5	53
Louisiana	259	25	163	48	-	-	106	13	67	105	12	96
Maine	23	-	16	7	-	1	2	-	1	14	0	14
Maryland	170	17	120	26	1	-	13	-	2	131	16	118
Massachusetts	249	7	228	12	-	1	8	1	4	229	6	223
Michigan	178	15	117	29	-	2	52	5	27	97	10	88
Minnesota	219	7	160	40	1	5	43	2	20	136	4	135
Mississippi	115	13	58	22	-	2	47	7	15	46	6	41
Missouri	252	20	188	36	-	3	52	11	25	164	9	160
Montana	158	5	102	44	-	-	19	2	6	95	3	96
Nebraska	230	7	132	74	-	3	31	4	5	125	3	124
Nevada	37	4	28	7	-	-	1	-	-	29	4	28
New Hampshire	2	-	2	0	-	-	-	-	-	2	0	2
New Jersey	590	24	504	56	-	4	28	3	6	506	21	494
New Mexico	94	12	76	15	-	-	8	4	10	71	8	66
New York	1,123	22	1,044	48	-	4	33	2	10	1,042	20	1,030
North Carolina	175	19	127	22	-	-	49	1	37	104	18	90
North Dakota	110	5	78	20	1	1	21	2	8	69	2	69
Ohio	294	21	145	84	-	1	74	7	17	136	14	127
Oklahoma	160	11	93	49	-	2	41	5	26	70	6	65
Oregon	133	8	85	26	-	1	22	3	3	85	5	81
Pennsylvania	759	25	635	69	3	3	56	1	16	634	21	616
Rhode Island	18	-	16	2	-	-	-	-	-	16	0	16
South Carolina	113	9	64	10	-	-	50	4	16	53	5	48
South Dakota	34	1	19	7	-	-	9	-	2	18	1	17
Tennessee	167	10	94	38	-	1	42	3	10	87	7	83
Texas	828	55	516	211	-	5	213	24	106	404	31	405
Utah	59	5	36	15	-	-	11	3	5	33	2	31
Vermont	20	1	15	3	-	-	4	1	2	13	0	13
Virginia	202	10	140	34	-	4	39	3	13	129	7	123
Washington	271	16	190	49	-	-	38	5	13	184	11	177
West Virginia	106	5	60	30	-	3	23	3	5	53	2	52
Wisconsin	151	11	105	20	-	-	33	1	15	98	10	90
Wyoming	89	-	57	39	-	6	1	-	-	49	0	51
Total	11,555	726	8,307	1,897	8	105	2,017	257	853	7,641	461	7,349

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CHAPTER 3

CASUALTY REPORTING

FRA made minor revisions to the criteria used to report casualties that became effective in May 2003. This change was necessary to maintain consistency with revisions that the Occupational Safety and Health Administration made affecting the reporting of employee cases for all industries. The following are the criteria in place from 1975 through April 2003. Following these are the criteria that became effective May 1, 2003.

Requirements in effect from 1975 through April 2003

Any event connected with the operation of a railroad that results in one or more of the following consequences must be reported on Form FRA F6180.55a:

1. Death of a person within 365 calendar days of the accident/incident.
2. Injury to a person, other than a railroad employee, that requires medical treatment.
3. Injury to a railroad employee that requires medical treatment or results in restriction of work for one or more workdays, the loss of one or more workdays, termination of employment, transfer to another job, or loss of consciousness.
4. Any occupational illness of a railroad employee.

A railroad need not report the following:

1. Casualties at highway-rail grade crossing sites that do not involve the presence or operation of on-track rail equipment, or the presence of railroad employees engaged in the operation of a railroad.
2. Casualties in or about living quarters that are not on the railroad premises and that do not arise from the operation of a railroad.
3. Suicides, as determined by a coroner or other public authority.
4. Attempted suicides.

Requirements in effect May 1, 2003

Each event or exposure arising from the operation of a railroad shall be reported on Form FRA F6180.55a (if the event or exposure is a discernible cause of one or more of the following outcomes and this outcome is a new case or a significant aggravation of a preexisting injury or illness):

1. Death to any person.
2. Injury to any person that results in medical treatment.

3. Injury to a railroad employee that results in:
 - a. A day away from work.
 - b. Restricted work activity or job transfer.
 - c. Loss of consciousness.
4. Occupational illness of a railroad employee that results in any of the following:
 - a. A day away from work.
 - b. Restricted work activity or job transfer.
 - c. Loss of consciousness.
 - d. Medical treatment.
5. A significant injury to or illness of a railroad employee diagnosed by a physician or other licensed healthcare professional even if the injury or illness does not result in death, a day away from work, restricted work activity or job transfer, medical treatment, or loss of consciousness.
6. An illness or injury that meets the application of any of the following specific case criteria:
 - a. A needle stick or sharp injury to a railroad employee.
 - b. Medical removal of a railroad employee.
 - c. Occupational hearing loss of a railroad employee.
 - d. Occupational tuberculosis of a railroad employee.
 - e. A musculoskeletal disorder of a railroad employee if this disorder is independently reportable under one or more of the general reporting criteria.

“Event or exposure arising from the operation of a railroad” includes:

1. *With respect to a person who is on property owned, leased, or maintained by the railroad*, an activity of the railroad that is related to the performance of its rail transportation business or an exposure related to the activity.
2. *With respect to an employee of the railroad (whether on or off property owned, leased, or maintained by the railroad)*, an activity of the railroad that is related to the performance of its rail transportation business or an exposure related to the activity.
3. *With respect to a person who is not an employee of the railroad and not on property owned, leased, or maintained by the railroad*, an event or exposure directly resulting from one or more of the following railroad operations:
 - a. A train accident, a train incident, or a highway-rail grade crossing accident or incident involving the railroad.
 - b. A release of a hazardous material from a railcar in the possession of the railroad or of another dangerous commodity that is related to the performance of the railroad’s rail transportation business.

In the context of casualty reporting, the terms “event” and “exposure” include events of a specific nature, e.g., being struck by a train, and those conditions associated with workplace activities, or exposures, that occur over a period of time, e.g., occupational illnesses. See § 225.19(d).

A railroad need not report the following:

1. Casualties at highway-rail grade crossing sites that do not involve the presence or operation of on-track rail equipment, or the presence of railroad employees engaged in the operation of a railroad.
2. Casualties in or about living quarters that do not arise from the operation of a railroad. (Note: camp cars and permanent facilities on the railroad’s premises are a part of the work environment and casualties occurring in these are considered to have arisen from the operation of a railroad. Normally, injuries occurring in these facilities will be reported as occurring to an employee not on duty (Class B), but at other times, the employee is more properly classified as being on duty (Class A). In these workplaces, if the employee is on duty or engaged in a work activity at the time of injury or illness, then the employee is classified as on duty. In addition, an employee in living quarters on railroad property who is harmed as a result of a serious workplace accident such as a chemical release, fire, explosion, derailment, collision, or building collapse while off duty is nevertheless to be classified as on duty. All other injuries and illnesses occurring during off-duty hours while in living quarters are to be classified as injuries or illnesses to employees not on duty.)
3. Suicides, as determined by a coroner or other public authority.
4. Attempted suicides.

CONTENTS

CHAPTER 3

CASUALTY REPORTING

Tables	Title	Page
3-1	Casualties by Type of Person and Primary Event, 2010	37
3-2	Fatalities by Type of Person Killed and Railroad, 2010	37
3-3	Fatalities by Type of Person Killed and State, 2010	38
3-4	Nonfatal Conditions by Type of Person and Railroad, 2010	39
3-5	Nonfatal Conditions by Type of Person and State, 2010	40
3-6	Reportable Conditions, All Types of Persons, 2010	41
3-7	Total Casualties by Age of Individual and Type of Person, 2010	42
3-8	Total Casualties by Month and Type of Person, 2010	43
3-9	Total Casualties by Time of Day and Type of Person, 2010	44

TABLE 3-1 CASUALTIES BY TYPE OF PERSON AND PRIMARY EVENT, 2010

Type Person	Total Incidents 1/		Total Casualties		Train Accs w/o HRC		HRC Incs		Other Events	
	Fatal	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
A - Worker on duty(rr employee)	20	4,257	20	4,395	3	63	.	81	17	4,251
B - Employee not on duty	.	127	.	135	.	.	.	.	.	135
C - Passenger on train	3	1,218	3	1,338	.	38	.	92	3	1,208
D - Nontrespasser	117	1,207	135	1,344	1	.	127	438	7	906
E - Trespasser	548	539	563	622	4	1	129	234	430	387
F - Worker on duty(contractor)	1	202	1	207	.	3	.	1	1	203
G - Contractor(other)	2	232	2	238	.	.	.	1	2	237
H - Worker on duty(volunteer)	.	4	.	4	.	.	.	.	.	4
I - Volunteer(other)	.	1	.	1	.	.	.	.	.	1
J - Nontrespasser, off rr property	2	16	2	23	.	.	1	6	1	17
Total..	693	7,803	726	8,307	8	105	257	853	461	7,349

TABLE 3-2 FATALITIES BY TYPE OF PERSON KILLED AND RAILROAD, 2010

			Type Person Codes						
	Total	%	A	C	D	E	F	G	J
Amtrak	132	18.2	-	2	25	103	-	-	2
Burlington Northern Santa Fe	125	17.2	2	-	26	96	-	1	-
Canadian National	22	3.0	-	-	8	14	-	-	-
Canadian Pacific	4	0.6	-	-	-	4	-	-	-
Conrail Shared Assets	2	0.3	2	-	-	-	-	-	-
CSX Transportation	117	16.1	3	-	19	94	1	-	-
Florida East Coast	22	3.0	-	-	1	21	-	-	-
Guilford Rail System	1	0.1	1	-	-	-	-	-	-
Kansas City Southern	23	3.2	1	-	9	13	-	-	-
Long Island Rail Road	7	1.0	-	-	-	7	-	-	-
Mass Bay Transit Auth.	4	0.6	-	-	1	3	-	-	-
Metro North Commuter	2	0.3	-	-	-	2	-	-	-
Northern IN Comm Trans	2	0.3	-	-	-	2	-	-	-
Northeast IL Reg Comm	21	2.9	-	-	2	19	-	-	-
New Jersey Transit Rail	16	2.2	1	1	-	14	-	-	-
Norfolk Southern Corp.	67	9.2	2	-	7	57	-	1	-
Peninsula Comm San Mateo Cnty	2	0.3	-	-	-	2	-	-	-
Southern CA Reg Rail Auth.	4	0.6	-	-	-	4	-	-	-
Southeastern PA Trans.	4	0.6	-	-	-	4	-	-	-
Union Pacific	113	15.6	2	-	28	83	-	-	-
Union RR (Pittsburgh)	1	0.1	1	-	-	-	-	-	-
Wheeling & Lake Erie	1	0.1	-	-	-	1	-	-	-
Other Railroads	34	4.7	5	-	9	20	-	-	-
Total	726	100	20	3	135	563	1	2	2

1/ The count of incidents that resulted in a death or nonfatal condition
W/O = without, HRC = highway-rail crossing, Incs = incidents

TABLE 3-3 FATALITIES BY TYPE OF PERSON KILLED AND STATE, 2010

States			Type Person Codes						
	Total	%	A	C	D	E	F	G	J
Alabama	15	2.1	2	-	6	7	-	-	-
Arizona	16	2.2	-	-	1	15	-	-	-
Arkansas	15	2.1	-	-	6	9	-	-	-
California	89	12.3	1	-	5	83	-	-	-
Colorado	11	1.5	-	-	6	5	-	-	-
Connecticut	6	0.8	-	-	1	5	-	-	-
Delaware	1	0.1	-	-	-	1	-	-	-
Dist Of Columbia	1	0.1	-	-	-	1	-	-	-
Florida	47	6.5	-	-	5	42	-	-	-
Georgia	25	3.4	-	1	3	20	-	1	-
Idaho	1	0.1	-	-	1	-	-	-	-
Illinois	61	8.4	1	-	8	50	-	1	1
Indiana	16	2.2	-	-	4	11	1	-	-
Iowa	6	0.8	-	-	2	4	-	-	-
Kansas	11	1.5	1	-	5	5	-	-	-
Kentucky	15	2.1	-	-	8	7	-	-	-
Louisiana	25	3.4	1	-	10	14	-	-	-
Maryland	17	2.3	-	-	-	17	-	-	-
Massachusetts	7	1.0	1	-	1	5	-	-	-
Michigan	15	2.1	-	-	1	13	-	-	1
Minnesota	7	1.0	1	-	2	4	-	-	-
Mississippi	13	1.8	2	-	7	4	-	-	-
Missouri	20	2.8	-	-	7	13	-	-	-
Montana	5	0.7	-	1	2	2	-	-	-
Nebraska	7	1.0	1	-	3	3	-	-	-
Nevada	4	0.6	-	-	-	4	-	-	-
New Jersey	24	3.3	3	1	-	20	-	-	-
New Mexico	12	1.7	-	-	2	10	-	-	-
New York	22	3.0	-	-	-	22	-	-	-
North Carolina	19	2.6	-	-	-	19	-	-	-
North Dakota	5	0.7	1	-	1	3	-	-	-
Ohio	21	2.9	-	-	4	17	-	-	-
Oklahoma	11	1.5	-	-	5	6	-	-	-
Oregon	8	1.1	-	-	-	8	-	-	-
Pennsylvania	25	3.4	1	-	-	24	-	-	-
South Carolina	9	1.2	-	-	1	8	-	-	-
South Dakota	1	0.1	-	-	-	1	-	-	-
Tennessee	10	1.4	-	-	2	8	-	-	-
Texas	55	7.6	2	-	16	37	-	-	-
Utah	5	0.7	-	-	3	2	-	-	-
Vermont	1	0.1	-	-	-	1	-	-	-
Virginia	10	1.4	1	-	2	7	-	-	-
Washington	16	2.2	-	-	3	13	-	-	-
West Virginia	5	0.7	-	-	1	4	-	-	-
Wisconsin	11	1.5	1	-	1	9	-	-	-
Total	726	100.0	20	3	135	563	1	2	2

A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
 E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
 J - Nontrespasser, off rr property

TABLE 3-4 NONFATAL CONDITIONS BY TYPE OF PERSON AND RAILROAD, 2010

			Type of Person Codes									
	Total	%	A	B	C	D	E	F	G	H	I	J
Alaska RR Corp.	40	0.5	38	-	-	-	2	-	-	-	-	-
Amtrak	1,769	21.3	649	28	767	247	66	6	3	-	-	3
Burlington Northern Santa Fe	1,030	12.4	685	22	-	103	106	32	78	-	-	4
Buffalo & Pittsburgh	1	0.0	-	-	-	-	-	1	-	-	-	-
Belt Rwy Of Chicago	9	0.1	9	-	-	-	-	-	-	-	-	-
Canadian National	192	2.3	127	1	-	45	14	2	3	-	-	-
Canadian Pacific	127	1.5	91	5	-	9	16	6	-	-	-	-
Conrail Shared Assets	32	0.4	14	1	-	14	2	1	-	-	-	-
CSX Transportation	524	6.3	292	17	-	85	102	15	8	-	-	5
Florida East Coast	19	0.2	8	-	-	-	10	-	1	-	-	-
Guilford Rail System	9	0.1	7	-	-	-	2	-	-	-	-	-
Other Railroads	667	8.0	508	2	25	72	26	19	8	4	1	2
Indiana Harbor Belt	12	0.1	11	-	-	-	1	-	-	-	-	-
Kansas City Southern	104	1.3	54	-	-	28	7	5	10	-	-	-
Long Island Rail Road	533	6.4	210	6	103	184	13	-	17	-	-	-
MD Assn. of Rail Comm	37	0.4	6	-	24	7	-	-	-	-	-	-
Mass Bay Transit Auth.	175	2.1	88	-	68	14	5	-	-	-	-	-
Metro North Commuter	262	3.2	151	7	37	38	4	-	25	-	-	-
Montana Rail Link	11	0.1	9	-	-	1	1	-	-	-	-	-
Northern IN Comm Trans	15	0.2	5	-	2	5	3	-	-	-	-	-
Northeast IL Reg Comm	268	3.2	71	-	117	59	16	-	2	-	-	3
New Jersey Transit Rail	332	4.0	124	7	94	95	7	-	5	-	-	-
Norfolk Southern Corp.	463	5.6	249	5	-	59	71	54	24	-	-	1
Port Auth Trans Hudson	167	2.0	108	-	34	-	1	24	-	-	-	-
Peninsula Comm San Mateo Cnty	31	0.4	15	-	6	6	3	1	-	-	-	-
Port Terminal RR Assn	1	0.0	1	-	-	-	-	-	-	-	-	-
Southern CA Reg Rail Auth.	29	0.3	6	-	3	3	4	11	2	-	-	-
Southeastern PA Trans.	395	4.8	225	2	58	98	9	-	-	-	-	3
Term RR Assn Of St. Louis	5	0.1	4	-	-	-	1	-	-	-	-	-
Union Pacific	1,037	12.5	620	32	-	172	129	30	52	-	-	2
Union RR (Pittsburgh)	3	0.0	3	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	8	0.1	7	-	-	-	1	-	-	-	-	-
Total	8,307	100	4,395	135	1,338	1,344	622	207	238	4	1	23

A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
 E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
 J - Nontrespasser, off rr property

TABLE 3-5 NONFATAL CONDITIONS BY TYPE OF PERSON AND STATE, 2010

			Type of Person codes									
	Total	%	A	B	C	D	E	F	G	H	I	J
Alabama	107	1.3	53	1	5	23	16	4	3	-	-	2
Alaska	52	0.6	48	-	2	-	2	-	-	-	-	-
Arizona	79	1.0	37	1	13	14	12	1	1	-	-	-
Arkansas	104	1.3	57	-	16	19	5	3	4	-	-	-
California	534	6.4	213	5	117	70	82	18	26	-	-	3
Colorado	95	1.1	53	2	21	9	7	2	1	-	-	-
Connecticut	109	1.3	65	2	30	6	4	-	2	-	-	-
Delaware	68	0.8	50	2	6	8	2	-	-	-	-	-
Dist Of Columbia	89	1.1	50	3	22	14	-	-	-	-	-	-
Florida	181	2.2	51	7	47	36	29	4	7	-	-	-
Georgia	143	1.7	72	2	20	21	21	6	1	-	-	-
Idaho	23	0.3	15	1	-	4	2	-	1	-	-	-
Illinois	828	10.0	364	6	194	139	45	27	49	-	-	4
Indiana	168	2.0	102	2	13	22	22	3	4	-	-	-
Iowa	117	1.4	70	4	9	19	7	2	5	1	-	-
Kansas	121	1.5	81	3	3	19	10	2	3	-	-	-
Kentucky	76	0.9	46	-	-	17	7	2	3	-	-	1
Louisiana	163	2.0	78	3	26	35	9	8	3	-	-	1
Maine	16	0.2	14	-	-	-	2	-	-	-	-	-
Maryland	120	1.4	63	-	35	15	7	-	-	-	-	-
Massachusetts	228	2.7	128	1	71	16	10	1	1	-	-	-
Michigan	117	1.4	66	-	14	17	16	3	1	-	-	-
Minnesota	160	1.9	120	2	5	19	12	2	-	-	-	-
Mississippi	58	0.7	24	-	10	13	5	2	4	-	-	-
Missouri	188	2.3	110	5	13	28	17	7	8	-	-	-
Montana	102	1.2	64	3	15	9	5	1	5	-	-	-
Nebraska	132	1.6	104	7	4	3	6	2	6	-	-	-
Nevada	28	0.3	12	1	7	1	4	3	-	-	-	-
New Hampshire	2	0.0	2	-	-	-	-	-	-	-	-	-
New Jersey	504	6.1	244	10	104	104	10	26	6	-	-	-
New Mexico	76	0.9	34	-	12	11	8	2	9	-	-	-
New York	1,044	12.6	492	16	194	268	25	7	40	1	1	-
North Carolina	127	1.5	34	2	47	15	22	3	2	-	-	2
North Dakota	78	0.9	64	1	1	7	3	-	2	-	-	-
Ohio	145	1.7	96	3	5	12	19	8	1	-	-	1
Oklahoma	93	1.1	59	-	5	9	16	2	2	-	-	-
Oregon	85	1.0	48	1	14	8	9	1	4	-	-	-
Pennsylvania	635	7.6	348	7	94	138	24	11	8	-	-	5
Rhode Island	16	0.2	12	-	4	-	-	-	-	-	-	-
South Carolina	64	0.8	25	3	11	13	11	1	-	-	-	-
South Dakota	19	0.2	12	1	-	2	1	-	3	-	-	-
Tennessee	94	1.1	63	2	6	13	6	1	3	-	-	-
Texas	516	6.2	292	13	21	97	64	19	8	1	-	1
Utah	36	0.4	15	1	8	9	-	2	1	-	-	-
Vermont	15	0.2	12	-	1	1	1	-	-	-	-	-
Virginia	140	1.7	62	-	48	14	8	8	-	-	-	-
Washington	190	2.3	109	5	29	9	16	10	8	1	-	3
West Virginia	60	0.7	40	-	7	2	9	2	-	-	-	-
Wisconsin	105	1.3	76	2	9	14	3	-	1	-	-	-
Wyoming	57	0.7	46	5	-	2	1	1	2	-	-	-
Total	8,307	100.0	4,395	135	1,338	1,344	622	207	238	4	1	23

*A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
J - Nontrespasser, off rr property*

TABLE 3-6 REPORTABLE CONDITIONS, ALL TYPES OF PERSONS, 2010

Condition	Cnt	%	Type of Person *									
			A	B	C	D	E	F	G	H	I	J
Bruise / contusion	1,706	18.9	643	15	499	333	122	45	41	1	-	7
Occ. Illness	195	2.2	186	1	-	-	-	5	3	-	-	-
Crushing injury	91	1.0	49	-	-	9	23	6	4	-	-	-
Sprain / Str., other	66	0.7	31	4	4	17	7	2	1	-	-	-
Sprain / Str., arm / hand	284	3.1	211	4	25	30	1	4	9	-	-	-
Sprain / Str., leg / foot	890	9.9	622	22	110	91	3	15	25	-	-	2
Sprain / Str., head / face	197	2.2	117	3	32	32	7	4	1	-	-	1
Sprain / Str., torso	1,272	14.1	969	34	89	114	11	20	29	1	-	5
Cut / abrasion	1,327	14.7	500	12	300	275	132	42	63	-	-	3
Puncture wound	53	0.6	49	-	-	1	-	3	-	-	-	-
Needle stick	7	0.1	5	-	1	1	-	-	-	-	-	-
Electric shock / burn	35	0.4	27	-	1	-	4	1	2	-	-	-
Other burn	47	0.5	32	2	4	3	1	3	1	-	1	-
Dislocation	44	0.5	17	1	11	7	2	1	5	-	-	-
Fracture, other	6	0.1	3	-	-	-	2	-	1	-	-	-
Fracture, arm / hand	358	4.0	190	4	35	74	31	14	9	1	-	-
Fracture, leg / foot	301	3.3	128	7	61	59	28	7	11	-	-	-
Fracture, head / face	50	0.6	12	-	8	19	10	-	1	-	-	-
Fracture, torso	136	1.5	33	1	30	40	20	4	8	-	-	-
Fracture, multiple	26	0.3	4	-	-	9	11	2	-	-	-	-
Rupture / tear, tendon, e	113	1.3	94	1	9	6	-	-	3	-	-	-
Gunshot / knife wound	3	0.0	1	-	-	-	-	2	-	-	-	-
Animal / snake / insect bit	109	1.2	84	12	11	1	-	1	-	-	-	-
Dental related	42	0.5	19	2	14	5	-	1	1	-	-	-
Amputation, arm / hand	39	0.4	24	1	-	2	9	2	1	-	-	-
Amputation, leg / foot	49	0.5	3	-	-	2	44	-	-	-	-	-
Amputation, head / face	1	0.0	-	-	-	-	1	-	-	-	-	-
Amputation, torso	1	0.0	-	-	-	-	1	-	-	-	-	-
Amputation, other	2	0.0	-	-	-	-	2	-	-	-	-	-
Fatality	726	8.0	20	-	3	135	563	1	2	-	-	2
Object in eye	103	1.1	90	2	3	-	-	3	5	-	-	-
Hernia	33	0.4	31	-	-	1	-	-	1	-	-	-
Concussion	88	1.0	35	2	14	25	9	-	2	1	-	-
Nervous shock	4	0.0	3	-	-	-	1	-	-	-	-	-
Internal injury	78	0.9	8	1	30	18	20	-	1	-	-	-
Skin reaction	28	0.3	28	-	-	-	-	-	-	-	-	-
One-time exp. to noise	10	0.1	10	-	-	-	-	-	-	-	-	-
Unspecified injury	445	4.9	81	4	41	167	120	19	10	-	-	3
One-time exp.-fumes	68	0.8	56	-	6	3	-	1	-	-	-	2
Total	9,033	100.0	4,415	135	1,341	1,479	1,185	208	240	4	1	25

A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
 E - Trespasser, F - Worker on duty(contractors), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
 J - Nontrespasser, off rr property

**TABLE 3-7 TOTAL CASUALTIES BY AGE OF INDIVIDUAL
AND TYPE OF PERSON, 2010**

Age		Total		Type of Person *									
		Cnt	%	A	B	C	D	E	F	G	H	I	J
Kld	Unk	67	0.7	-	-	-	8	58	-	-	-	-	1
	1-5	7	0.1	-	-	-	5	2	-	-	-	-	-
	6-10	10	0.1	-	-	-	4	6	-	-	-	-	-
	11-15	18	0.2	-	-	-	3	15	-	-	-	-	-
	16-20	77	0.9	-	-	-	15	62	-	-	-	-	-
	21-25	66	0.7	2	-	-	13	49	-	1	-	-	1
	26-30	54	0.6	1	-	-	4	49	-	-	-	-	-
	31-35	49	0.5	1	-	-	10	38	-	-	-	-	-
	36-40	59	0.7	2	-	-	11	46	-	-	-	-	-
	41-45	70	0.8	2	-	1	8	58	1	-	-	-	-
	46-50	61	0.7	2	-	-	4	55	-	-	-	-	-
	51-55	64	0.7	6	-	1	10	47	-	-	-	-	-
	56-60	39	0.4	3	-	-	11	24	-	1	-	-	-
	> 60	85	0.9	1	-	1	29	54	-	-	-	-	-
	Total	726	8.0	20	-	3	135	563	1	2	-	-	2
Nonfatal	Unk	624	6.9	-	-	277	225	81	5	29	-	-	7
	1-5	54	0.6	-	-	31	14	7	-	1	-	-	1
	6-10	33	0.4	-	-	9	13	11	-	-	-	-	-
	11-15	33	0.4	-	-	2	15	16	-	-	-	-	-
	16-20	193	2.1	24	-	15	67	73	8	5	-	-	1
	21-25	421	4.7	182	5	39	75	73	23	23	-	-	1
	26-30	615	6.8	355	8	50	75	63	41	22	1	-	-
	31-35	736	8.1	493	17	35	70	47	41	31	-	-	2
	36-40	877	9.7	629	16	54	89	38	26	21	1	-	3
	41-45	819	9.1	551	14	63	96	48	19	26	1	-	1
	46-50	888	9.8	555	18	122	107	41	12	28	1	1	3
	51-55	1,036	11.5	690	21	111	130	45	11	27	-	-	1
	56-60	1,006	11.1	691	25	119	120	26	11	14	-	-	-
	> 60	972	10.8	225	11	411	248	53	10	11	-	-	3
	Total	8,307	92.0	4,395	135	1,338	1,344	622	207	238	4	1	23
Total		9,033	100.0	4,415	135	1,341	1,479	1,185	208	240	4	1	25

*A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
J - Nontrespasser, off rr property*

TABLE 3-8 TOTAL CASUALTIES BY MONTH AND TYPE OF PERSON, 2010

Month		Total	Type of Person *									
		Cnt	A	B	C	D	E	F	G	H	I	J
Kld	January	42	2	-	-	7	33	-	-	-	-	-
	February	49	-	-	-	7	41	-	-	-	-	1
	March	58	3	-	-	18	37	-	-	-	-	-
	April	55	1	-	-	8	46	-	-	-	-	-
	May	75	1	-	1	7	65	-	1	-	-	-
	June	73	4	-	-	17	50	1	-	-	-	1
	July	77	2	-	-	16	59	-	-	-	-	-
	August	62	1	-	1	11	49	-	-	-	-	-
	September	66	4	-	1	19	42	-	-	-	-	-
	October	72	1	-	-	14	57	-	-	-	-	-
	November	48	-	-	-	8	40	-	-	-	-	-
	December	49	1	-	-	3	44	-	1	-	-	-
	Total	726	20	-	3	135	563	1	2	-	-	2
Nonfatal	January	674	366	19	110	113	42	7	14	1	-	2
	February	713	345	22	110	144	45	21	21	-	-	5
	March	687	383	17	110	101	44	17	15	-	-	-
	April	604	346	8	80	96	39	23	11	-	-	1
	May	708	350	15	141	108	47	20	25	-	-	2
	June	744	390	8	109	128	64	20	20	1	-	4
	July	716	377	9	114	134	43	21	17	-	1	-
	August	823	437	11	140	110	69	21	35	-	-	-
	September	705	348	3	138	123	54	16	21	-	-	2
	October	695	373	11	110	88	72	14	24	-	-	3
	November	629	356	4	94	86	55	12	20	2	-	-
	December	609	324	8	82	113	48	15	15	-	-	4
	Total	8,307	4,395	135	1,338	1,344	622	207	238	4	1	23
Total		9,033	4,415	135	1,341	1,479	1,185	208	240	4	1	25

A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
 E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
 J - Nontrespasser, off rr property

**TABLE 3-9 TOTAL CASUALTIES BY TIME OF DAY
AND TYPE OF PERSON, 2010**

Time	Total		Type of Person *									
	Cnt	%	A	B	C	D	E	F	G	H	I	J
AM	1	214	2.4	111	4	19	18	51	3	8	-	-
	2	190	2.1	88	3	11	25	56	2	5	-	-
	3	183	2.0	100	1	23	11	42	3	3	-	-
	4	167	1.8	101	4	16	8	34	4	-	-	-
	5	162	1.8	87	8	16	19	26	3	3	-	-
	6	308	3.4	129	17	50	62	30	13	6	-	1
	7	407	4.5	138	10	96	107	34	7	14	-	1
	8	546	6.0	290	6	100	85	29	16	17	-	3
	9	571	6.3	332	2	55	93	56	16	17	-	-
	10	778	8.6	486	2	80	109	57	17	27	-	-
	11	581	6.4	347	4	59	95	36	19	18	1	2
	12	258	2.9	93	5	43	30	72	7	6	-	2
	Total	4,365	48.3	2,302	66	568	662	523	110	124	1	9
PM	1	546	6.0	315	2	50	98	54	10	16	1	-
	2	496	5.5	247	13	66	79	49	13	25	2	2
	3	496	5.5	205	2	102	111	53	9	12	-	2
	4	434	4.8	185	9	63	91	63	11	11	-	1
	5	452	5.0	160	7	105	97	69	7	6	-	1
	6	384	4.3	162	6	82	67	55	6	5	-	1
	7	280	3.1	116	8	52	48	50	3	1	-	2
	8	294	3.3	121	3	60	42	49	10	8	-	1
	9	292	3.2	124	7	52	34	65	5	5	-	-
	10	239	2.6	101	5	37	25	61	4	3	-	3
	11	209	2.3	112	2	16	22	50	3	4	-	-
	12	546	6.0	265	5	88	103	44	17	20	-	4
	Total	4,668	51.7	2,113	69	773	817	662	98	116	3	16
Total		9,033	100	4,415	135	1,341	1,479	1,185	208	240	4	25

A - Worker on duty(rr employee), B - Employee not on duty, C - Passenger on train, D - Nontrespasser
 E - Trespasser, F - Worker on duty(contractor), G - Contractor(other), H - Worker on duty(volunteer), I - Volunteer
 J - Nontrespasser, off rr property

CHAPTER 4

EMPLOYEE-ON-DUTY CASUALTIES

The work environment is the physical location, equipment, materials (processed or used), and activities of a railroad employee associated with his or her work, whether on or off the railroad's property. There are no stated exclusions of place or circumstance. All activities of an employee on duty (Class A), while in the work environment, are presumed to be work-related for accident/incident reporting purposes. An employee is considered in the work environment while:

1. Engaged in work activity or apprenticeship/vocational training required by the employer.
2. On break, in the rest room, or in storage areas when located on the employer's premises.
3. Performing work for pay or compensation at home, pursuant to the employer's instructions, if the injury or illness is directly related to the performance of work rather than the general home environment or setting.
4. Traveling on business, including to and from customer contacts. (Employees in travel status, i.e., traveling on company business, should be considered engaged in work-related activities during all of their time spent in the "interest of their company." This includes, but is not limited to, travel to and from customer contacts, conducting job tasks, and entertaining or being entertained for the purpose of transacting, discussing, or promoting business.)
5. Engaged in work activity where a vehicle is considered the work environment (e.g., truck, taxi).
6. At conferences where attendance is expected or required by the employer.
7. Occupying living quarters provided by the employer on workplace premises. Also:
 - a. In these workplaces, injuries or illnesses are presumed to be work-related if the employee is on duty or engaged in a work activity.
 - b. The injury or illness is also considered work-related if the employee was harmed as a result of a serious workplace accident such as a chemical release, fire, explosion, derailment, collision, or building collapse.
 - c. All other injuries and illnesses occurring during off-duty hours while in living quarters are considered nonwork-related. The worker should be classified as an "employee not on duty" in these cases if a reportable condition occurs.

Employees present in the work environment, but for reasons unconnected with their employment, generally are not reportable as an employee on duty (Class A) should they be injured. These individuals are more appropriately classified as employees not on duty, nontrespassers on railroad property, passengers on train, etc., and if hurt should be identified as such. Examples are as follows:

1. Injuries or illnesses that occur to employees present at their employer's establishment as a member of the general public rather than as a worker.
2. Injuries or illnesses that are solely the result of employees doing personal tasks (unrelated to their employment) at the establishment outside of normal working hours.
3. Injuries or illnesses occurring on company parking lots and access roads while employees are arriving at or leaving work.
4. An injury or illness solely associated with participation in voluntary community or civic projects, e.g., Operation Lifesaver presentations, unless the employee was under pay status.

Injury/Illness Distinction. The distinction between occupational illnesses and injuries is based primarily on the event or exposure that precipitated the employee's condition. Injuries are generally the result of instantaneous events; for example, an employee is struck by an object and sustains a cut or a bruise. Illnesses, on the other hand, are usually the result of an exposure that occurs over time; such as hearing impairment caused by working in a noisy environment. Exceptions to this general rule are muscular sprains, strains, or soreness occurring after work activity for which no single movement or event can be isolated as the primary causal factor. Physical conditions of this type are to be recorded as injuries when the condition is attributable to activity of limited duration—typically no more than a single work shift.

CONTENTS

CHAPTER 4

EMPLOYEE-ON-DUTY CASUALTIES

Tables		Page
4-1	Reportable Conditions to Employees On Duty, 2010	48
4-2	Reportable Conditions to Employees On Duty, by Railroad, 2010	49
4-3	Reportable Conditions to Employees On Duty, by State, 2010	50
4-4	Reportable Conditions to Employees On Duty, by Activity, 2010	51
4-5	Reportable Conditions to Employees On Duty, by Event, 2010	53
4-6	Reportable Conditions to Employees On Duty, by Location, 2010	55
4-7	Reportable Conditions to Employees On Duty, by Job, 2010	56
4-8	Occupational Illnesses of Employees On Duty, 2010	59
4-9	Occupational Illnesses of Employees On Duty, by Railroad, 2010	59

TABLE 4-1 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, 2010

Condition	Total		Days Absent			Absent Cases 1 /		Term. / Trans. 2 / Cnt	Days Restricted			Hazmat Exp. 3 / Cnt
	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
Bruise / contusion	643	14.6	29,648	13.7	46	455	15.1	-	3,203	12.5	5	-
Occ. Illness	186	4.2	4,882	2.3	26	63	2.1	-	351	1.4	2	2
Crushing injury	49	1.1	2,376	1.1	48	33	1.1	-	425	1.7	9	-
Sprain / Str., other	31	0.7	2,543	1.2	82	24	0.8	-	150	0.6	5	-
Sprain / Str., arm / hand	211	4.8	9,435	4.4	45	155	5.1	-	1,407	5.5	7	-
Sprain / Str., leg / foot	622	14.1	37,480	17.4	60	516	17.1	3	4,687	18.3	8	-
Sprain / Str., head / face	117	2.7	7,358	3.4	63	94	3.1	1	390	1.5	3	-
Sprain / Str., torso	969	21.9	63,903	29.6	66	752	25.0	2	5,631	22.0	6	-
Cut / abrasion	500	11.3	8,486	3.9	17	208	6.9	-	1,613	6.3	3	-
Puncture wound	49	1.1	627	0.3	13	21	0.7	-	150	0.6	3	-
Needle stick	5	0.1	1	0.0	0	1	0.0	-	0	0.0	0	-
Electric shock / burn	27	0.6	382	0.2	14	18	0.6	-	73	0.3	3	-
Other burn	32	0.7	808	0.4	25	15	0.5	-	213	0.8	7	2
Dislocation	17	0.4	769	0.4	45	8	0.3	-	243	0.9	14	-
Fracture, other	3	0.1	73	0.0	24	2	0.1	-	41	0.2	14	-
Fracture, arm / hand	190	4.3	9,485	4.4	50	135	4.5	-	2,740	10.7	14	1
Fracture, leg / foot	128	2.9	12,511	5.8	98	112	3.7	1	1,547	6.0	12	-
Fracture, head / face	12	0.3	469	0.2	39	9	0.3	-	36	0.1	3	-
Fracture, torso	33	0.7	3,247	1.5	98	33	1.1	-	217	0.8	7	-
Fracture, multiple	4	0.1	684	0.3	171	4	0.1	-	0	0.0	0	-
Rupture / tear, tendon, etc	94	2.1	8,725	4.0	93	87	2.9	-	1,353	5.3	14	1
Gunshot / knife wound	1	0.0	39	0.0	39	1	0.0	-	0	0.0	0	-
Animal / snake / insect bite	84	1.9	103	0.0	1	14	0.5	-	33	0.1	0	-
Dental related	19	0.4	25	0.0	1	5	0.2	-	18	0.1	1	-
Amputation, arm / hand	24	0.5	1,363	0.6	57	20	0.7	-	210	0.8	9	-
Amputation, leg / foot	3	0.1	482	0.2	161	3	0.1	-	0	0.0	0	-
Fatality	20	0.5	0	0.0	0	-	-	-	0	0.0	0	-
Object in eye	90	2.0	261	0.1	3	35	1.2	-	39	0.2	0	-
Hernia	31	0.7	1,481	0.7	48	29	1.0	-	331	1.3	11	-
Concussion	35	0.8	2,144	1.0	61	31	1.0	-	137	0.5	4	-
Nervous shock	3	0.1	73	0.0	24	3	0.1	-	0	0.0	0	-
Internal injury	8	0.2	625	0.3	78	6	0.2	-	30	0.1	4	-
Skin reaction	28	0.6	227	0.1	8	19	0.6	-	0	0.0	0	2
One-time exp. to noise	10	0.2	243	0.1	24	6	0.2	-	0	0.0	0	-
Unspecified injury	81	1.8	3,600	1.7	44	57	1.9	-	320	1.2	4	-
One-time exp.-fumes	56	1.3	1,222	0.6	22	36	1.2	-	28	0.1	1	6
Total	4,415	100	215,780	100	49	3,010	100	7	25,616	100	6	14

1 / The number of cases that resulted in employee being absent for work at least 1 day

2 / Term = terminated, Trans = transferred

3 / Condition was the result of a hazardous materials exposure

TABLE 4-2 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY RAILROAD, 2010

RR	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term. / Trans.	Days Restricted			Hazmat Exp.
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	Cnt
ARR	38	0.9	-	0.0	38	0.9	314	0.1	8	18	0.6	-	15	0.1	0	-
ATK	649	14.7	-	0.0	649	14.8	34,368	15.9	53	418	13.9	-	4,055	15.8	6	-
BNSF	687	15.6	2	10.0	685	15.6	40,856	18.9	59	497	16.5	2	3,128	12.2	5	5
BRC	9	0.2	-	0.0	9	0.2	158	0.1	18	6	0.2	-	41	0.2	5	-
CN	127	2.9	-	0.0	127	2.9	9,099	4.2	72	109	3.6	-	44	0.2	0	2
CP	91	2.1	-	0.0	91	2.1	4,986	2.3	55	63	2.1	-	320	1.2	4	-
CRSH	16	0.4	2	10.0	14	0.3	1,288	0.6	81	9	0.3	-	0	0.0	0	-
CSX	295	6.7	3	15.0	292	6.6	24,078	11.2	82	228	7.6	1	343	1.3	1	1
FEC	8	0.2	-	0.0	8	0.2	679	0.3	85	7	0.2	-	124	0.5	16	-
GRS	8	0.2	1	5.0	7	0.2	27	0.0	3	4	0.1	-	0	0.0	0	-
IAIS	7	0.2	-	0.0	7	0.2	59	0.0	8	5	0.2	-	0	0.0	0	-
IHB	11	0.2	-	0.0	11	0.3	838	0.4	76	9	0.3	-	0	0.0	0	-
KCS	55	1.2	1	5.0	54	1.2	619	0.3	11	25	0.8	-	1,720	6.7	31	-
LI	210	4.8	-	0.0	210	4.8	3,740	1.7	18	178	5.9	-	2,528	9.9	12	-
MACZ	6	0.1	-	0.0	6	0.1	214	0.1	36	3	0.1	-	1	0.0	0	-
MBTA	88	2.0	-	0.0	88	2.0	3,320	1.5	38	70	2.3	-	12	0.0	0	-
MNCW	151	3.4	-	0.0	151	3.4	5,493	2.5	36	99	3.3	-	945	3.7	6	-
MRL	9	0.2	-	0.0	9	0.2	586	0.3	65	7	0.2	-	34	0.1	4	-
NICD	5	0.1	-	0.0	5	0.1	5	0.0	1	2	0.1	-	35	0.1	7	-
NIRC	71	1.6	-	0.0	71	1.6	3,299	1.5	46	50	1.7	-	420	1.6	6	-
NJTR	125	2.8	1	5.0	124	2.8	7,204	3.3	58	111	3.7	2	0	0.0	0	-
NS	251	5.7	2	10.0	249	5.7	25,003	11.6	100	192	6.4	-	133	0.5	1	-
PATH	108	2.4	-	0.0	108	2.5	1,286	0.6	12	108	3.6	-	0	0.0	0	-
PCMZ	15	0.3	-	0.0	15	0.3	999	0.5	67	12	0.4	-	109	0.4	7	-
PTRA	1	0.0	-	0.0	1	0.0	14	0.0	14	1	0.0	-	0	0.0	0	-
SCAX	6	0.1	-	0.0	6	0.1	27	0.0	5	5	0.2	-	7	0.0	1	-
SEPA	225	5.1	-	0.0	225	5.1	7,267	3.4	32	177	5.9	1	4	0.0	0	-
TRRA	4	0.1	-	0.0	4	0.1	220	0.1	55	2	0.1	-	220	0.9	55	-
UP	622	14.1	2	10.0	620	14.1	33,839	15.7	54	366	12.2	1	6,608	25.8	11	5
URR	4	0.1	1	5.0	3	0.1	0	0.0	0	-	-	-	82	0.3	21	-
WE	7	0.2	-	0.0	7	0.2	58	0.0	8	5	0.2	-	160	0.6	23	-
XXXX	506	11.5	5	25.0	501	11.4	5,837	2.7	12	224	7.4	-	4,528	17.7	9	1
Tot.	4,415	100	20	100	4,395	100	215,780	100	49	3,010	100	7	25,616	100	6	14

XXXX = all other railroads

TABLE 4-3 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY STATE, 2010

	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term. /	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Avg.	Cnt
AL	55	1.2	2	10.0	53	1.2	3,242	1.5	59	33	1.1	-	430	1.7	8	-
AK	48	1.1	-	0.0	48	1.1	329	0.2	7	28	0.9	-	15	0.1	0	-
AZ	37	0.8	-	0.0	37	0.8	2,079	1.0	56	26	0.9	-	182	0.7	5	-
AR	57	1.3	-	0.0	57	1.3	2,364	1.1	41	36	1.2	-	440	1.7	8	-
CA	214	4.8	1	5.0	213	4.8	13,315	6.2	62	152	5.0	-	1,451	5.7	7	-
CO	53	1.2	-	0.0	53	1.2	2,082	1.0	39	25	0.8	-	481	1.9	9	-
CT	65	1.5	-	0.0	65	1.5	2,337	1.1	36	35	1.2	-	307	1.2	5	-
DE	50	1.1	-	0.0	50	1.1	2,017	0.9	40	22	0.7	-	367	1.4	7	-
DC	50	1.1	-	0.0	50	1.1	2,501	1.2	50	35	1.2	-	224	0.9	4	-
FL	51	1.2	-	0.0	51	1.2	3,234	1.5	63	36	1.2	-	234	0.9	5	-
GA	72	1.6	-	0.0	72	1.6	7,519	3.5	104	55	1.8	-	10	0.0	0	-
ID	15	0.3	-	0.0	15	0.3	1,198	0.6	80	10	0.3	-	0	0.0	0	-
IL	365	8.3	1	5.0	364	8.3	18,739	8.7	51	247	8.2	-	2,480	9.7	7	1
IN	102	2.3	-	0.0	102	2.3	6,439	3.0	63	65	2.2	-	597	2.3	6	1
IA	70	1.6	-	0.0	70	1.6	2,450	1.1	35	44	1.5	-	716	2.8	10	-
KS	82	1.9	1	5.0	81	1.8	3,069	1.4	37	47	1.6	-	1,312	5.1	16	-
KY	46	1.0	-	0.0	46	1.0	4,288	2.0	93	39	1.3	-	8	0.0	0	-
LA	79	1.8	1	5.0	78	1.8	3,367	1.6	43	47	1.6	-	600	2.3	8	1
ME	14	0.3	-	0.0	14	0.3	862	0.4	62	11	0.4	-	102	0.4	7	-
MD	63	1.4	-	0.0	63	1.4	2,549	1.2	40	39	1.3	-	267	1.0	4	-
MA	129	2.9	1	5.0	128	2.9	5,653	2.6	44	98	3.3	-	248	1.0	2	-
MI	66	1.5	-	0.0	66	1.5	3,604	1.7	55	44	1.5	-	204	0.8	3	1
MN	121	2.7	1	5.0	120	2.7	3,691	1.7	31	65	2.2	-	1,099	4.3	9	-
MS	26	0.6	2	10.0	24	0.5	973	0.5	37	17	0.6	-	98	0.4	4	-
MO	110	2.5	-	0.0	110	2.5	5,251	2.4	48	68	2.3	1	1,304	5.1	12	-
MT	64	1.4	-	0.0	64	1.5	2,723	1.3	43	42	1.4	-	255	1.0	4	1
NE	105	2.4	1	5.0	104	2.4	5,954	2.8	57	57	1.9	2	338	1.3	3	1
NV	12	0.3	-	0.0	12	0.3	730	0.3	61	10	0.3	-	32	0.1	3	-
NH	2	0.0	-	0.0	2	0.0	0	0.0	0	-	-	-	0	0.0	0	-
NJ	247	5.6	3	15.0	244	5.6	9,639	4.5	39	219	7.3	2	404	1.6	2	-
NM	34	0.8	-	0.0	34	0.8	1,864	0.9	55	25	0.8	-	506	2.0	15	2
NY	492	11.1	-	0.0	492	11.2	15,825	7.3	32	385	12.8	-	3,697	14.4	8	-
NC	34	0.8	-	0.0	34	0.8	1,490	0.7	44	17	0.6	-	36	0.1	1	-
ND	65	1.5	1	5.0	64	1.5	3,506	1.6	54	45	1.5	-	272	1.1	4	-
OH	96	2.2	-	0.0	96	2.2	6,791	3.1	71	64	2.1	-	245	1.0	3	-
OK	59	1.3	-	0.0	59	1.3	3,032	1.4	51	36	1.2	-	561	2.2	10	-
OR	48	1.1	-	0.0	48	1.1	3,423	1.6	71	33	1.1	-	613	2.4	13	-
PA	349	7.9	1	5.0	348	7.9	13,242	6.1	38	238	7.9	1	543	2.1	2	-
RI	12	0.3	-	0.0	12	0.3	139	0.1	12	6	0.2	-	90	0.4	8	-
SC	25	0.6	-	0.0	25	0.6	2,142	1.0	86	18	0.6	-	21	0.1	1	-
SD	12	0.3	-	0.0	12	0.3	234	0.1	20	9	0.3	-	26	0.1	2	-
TN	63	1.4	-	0.0	63	1.4	3,675	1.7	58	44	1.5	-	149	0.6	2	1
TX	294	6.7	2	10.0	292	6.6	16,847	7.8	57	193	6.4	-	2,459	9.6	8	5
UT	15	0.3	-	0.0	15	0.3	412	0.2	27	6	0.2	-	123	0.5	8	-
VT	12	0.3	-	0.0	12	0.3	141	0.1	12	4	0.1	-	485	1.9	40	-
VA	63	1.4	1	5.0	62	1.4	4,159	1.9	66	42	1.4	1	235	0.9	4	-
WA	109	2.5	-	0.0	109	2.5	5,943	2.8	55	78	2.6	-	450	1.8	4	-
WV	40	0.9	-	0.0	40	0.9	3,414	1.6	85	28	0.9	-	5	0.0	0	-
WI	77	1.7	1	5.0	76	1.7	4,437	2.1	58	55	1.8	-	581	2.3	8	-
WY	46	1.0	-	0.0	46	1.0	2,866	1.3	62	32	1.1	-	314	1.2	7	-
Tot.	4,415	100	20	100	4,395	100	215,780	100	49	3,010	100	7	25,616	100	6	14

TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY ACTIVITY, 2010

Activity	Total		Days Absent		Absent Cases		Term. / Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Adjusting coupler	13	0.3	1,234	0.6	12	0.4	-	26	0.1	-
Adjusting drawbar	12	0.3	981	0.5	10	0.3	-	190	0.7	-
Adjusting, other	48	1.1	1,789	0.8	27	0.9	-	306	1.2	-
Applying rail anchor / fastener	13	0.3	107	0.0	5	0.2	-	64	0.2	-
Bending, stooping	70	1.6	1,833	0.8	53	1.8	-	312	1.2	-
Carrying	38	0.9	1,341	0.6	27	0.9	-	222	0.9	-
Chaining, cabling car or locomotive	3	0.1	5	0.0	1	0.0	-	0	0.0	-
Cleaning	51	1.2	2,882	1.3	41	1.4	-	392	1.5	-
Climbing over / on	75	1.7	3,091	1.4	59	2.0	-	365	1.4	-
Closing	60	1.4	2,204	1.0	47	1.6	-	187	0.7	-
Coupling electric cables	4	0.1	476	0.2	4	0.1	-	0	0.0	-
Coupling air hose	26	0.6	1,213	0.6	15	0.5	-	101	0.4	-
Crossing over	10	0.2	654	0.3	7	0.2	-	66	0.3	-
Crossing between	1	0.0	74	0.0	1	0.0	-	0	0.0	-
Cutting rail	7	0.2	554	0.3	6	0.2	-	0	0.0	-
Cutting vegetation	12	0.3	211	0.1	8	0.3	-	45	0.2	-
Cutting, other	52	1.2	887	0.4	24	0.8	-	96	0.4	-
Digging, excavating	24	0.5	620	0.3	16	0.5	-	280	1.1	-
Driving (motor vehicle, forklift, etc.)	117	2.7	5,876	2.7	79	2.6	-	632	2.5	-
Flagging	7	0.2	282	0.1	4	0.1	-	34	0.1	-
Fueling	7	0.2	854	0.4	5	0.2	-	0	0.0	-
Getting on	39	0.9	1,325	0.6	28	0.9	-	361	1.4	1
Getting off	108	2.4	6,345	2.9	79	2.6	1	1,040	4.1	-
Grinding	31	0.7	368	0.2	13	0.4	-	82	0.3	-
Handling baggage	30	0.7	1,763	0.8	21	0.7	-	234	0.9	-
Handling car parts	15	0.3	782	0.4	10	0.3	-	286	1.1	-
Handling material, general	47	1.1	1,099	0.5	24	0.8	-	116	0.5	-
Handling locomotive parts	20	0.5	421	0.2	9	0.3	-	69	0.3	-
Handling wheels/trucks	3	0.1	8	0.0	2	0.1	-	0	0.0	-
Handling, other	66	1.5	2,373	1.1	43	1.4	-	501	2.0	-
Handling other track material /supp	27	0.6	660	0.3	15	0.5	-	73	0.3	-
Handling tie plates	24	0.5	810	0.4	16	0.5	-	273	1.1	-
Handling ties	17	0.4	337	0.2	7	0.2	-	171	0.7	-
Handling rail	23	0.5	818	0.4	12	0.4	-	158	0.6	-
Inspecting	46	1.0	1,506	0.7	22	0.7	-	310	1.2	1
Installing	65	1.5	1,055	0.5	35	1.2	-	221	0.9	-
Jumping from	19	0.4	1,535	0.7	15	0.5	-	462	1.8	-
Jumping onto	1	0.0	71	0.0	1	0.0	-	0	0.0	-
Laying	1	0.0	49	0.0	1	0.0	-	28	0.1	-
Lifting other material	76	1.7	3,348	1.6	53	1.8	-	541	2.1	-
Lifting equipment (tools, parts, etc.)	72	1.6	3,091	1.4	56	1.9	-	490	1.9	-
Lining switches	114	2.6	7,477	3.5	91	3.0	-	887	3.5	1
Lining, other	5	0.1	259	0.1	3	0.1	-	0	0.0	-
Loading /unloading	40	0.9	1,884	0.9	29	1.0	-	289	1.1	-
Maintaining	37	0.8	2,011	0.9	24	0.8	-	310	1.2	-
Opening	72	1.6	3,071	1.4	54	1.8	-	325	1.3	-
Opening /closing angle cock	11	0.2	132	0.1	8	0.3	-	15	0.1	-
Operating	152	3.4	7,582	3.5	105	3.5	-	583	2.3	-
Pulling pin lifter /operating uncoupler	22	0.5	1,743	0.8	15	0.5	-	112	0.4	-
Pulling	81	1.8	3,854	1.8	57	1.9	-	927	3.6	-
Pushing	35	0.8	1,879	0.9	25	0.8	-	262	1.0	-

1/ The number of cases that resulted in employee being absent for work at least 1 day

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous materials exposure

TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY ACTIVITY, 2010

Activity	Total		Days Absent		Absent Cases		Term. / Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Reaching	41	0.9	2,025	0.9	24	0.8	-	55	0.2	-
Removing rail anchors/fasteners	12	0.3	323	0.1	6	0.2	-	62	0.2	-
Repairing	100	2.3	2,698	1.3	53	1.8	-	671	2.6	1
Riding	224	5.1	14,558	6.7	168	5.6	-	1,385	5.4	2
Running	5	0.1	303	0.1	4	0.1	-	53	0.2	-
Sitting	183	4.1	12,215	5.7	135	4.5	1	431	1.7	2
Spiking (installation/removal)	32	0.7	1,178	0.5	16	0.5	-	51	0.2	-
Standing	295	6.7	9,951	4.6	136	4.5	1	1,180	4.6	1
Stepping up	31	0.7	2,055	1.0	25	0.8	-	74	0.3	-
Stepping down	94	2.1	5,953	2.8	72	2.4	-	997	3.9	-
Stepping over	25	0.6	1,986	0.9	19	0.6	-	27	0.1	-
Uncoupling air hose	9	0.2	251	0.1	6	0.2	-	9	0.0	-
Uncoupling electric cables	2	0.0	8	0.0	1	0.0	-	0	0.0	-
Using hand signals	1	0.0	0	0.0	-	-	-	0	0.0	-
Using hand tool	101	2.3	2,792	1.3	47	1.6	1	622	2.4	1
Using, other	10	0.2	361	0.2	5	0.2	-	67	0.3	-
Walking	749	17.0	44,097	20.4	575	19.1	3	4,542	17.7	4
Welding (includes field welding)	27	0.6	679	0.3	17	0.6	-	205	0.8	-
Handbrakes, applying	59	1.3	4,773	2.2	48	1.6	-	461	1.8	-
Handbrakes, releasing	42	1.0	2,115	1.0	34	1.1	-	320	1.2	-
Handbrakes, other	2	0.0	3	0.0	1	0.0	-	0	0.0	-
Derail, applying	6	0.1	492	0.2	5	0.2	-	40	0.2	-
Derail, removing	6	0.1	729	0.3	6	0.2	-	17	0.1	-
Derail, other	2	0.0	247	0.1	2	0.1	-	15	0.1	-
Other (narrative must be provided)	72	1.6	1,035	0.5	36	1.2	-	237	0.9	-
Replacing	33	0.7	1,461	0.7	20	0.7	-	322	1.3	-
Ascending	29	0.7	1,553	0.7	23	0.8	-	161	0.6	-
Descending	101	2.3	8,948	4.1	85	2.8	-	430	1.7	-
Exercising	2	0.0	360	0.2	2	0.1	-	0	0.0	-
Getting in	16	0.4	692	0.3	9	0.3	-	207	0.8	-
Getting out	22	0.5	830	0.4	14	0.5	-	47	0.2	-
Moving	33	0.7	1,351	0.6	21	0.7	-	70	0.3	-
Washing	5	0.1	22	0.0	2	0.1	-	14	0.1	-
Servicing	42	1.0	1,441	0.7	24	0.8	-	62	0.2	-
Sanding	2	0.0	0	0.0	-	-	-	2	0.0	-
Arresting / apprehending / subduing	24	0.5	1,128	0.5	19	0.6	-	61	0.2	-
Sleeping	1	0.0	9	0.0	1	0.0	-	0	0.0	-
Stepped on	25	0.6	2,321	1.1	24	0.8	-	275	1.1	-
Lying down	1	0.0	13	0.0	1	0.0	-	0	0.0	-
Total	4,415	100	215,780	100	3,010	100	7	25,616	100	14

1 / The number of cases that resulted in employee being absent for work at least 1 day

2 / Term = terminated, Trans = transferred

3 / Condition was the result of a hazardous materials exposure

TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY EVENT, 2010

Event	Total		Days Absent		Absent Cases		Term./ Trans.	Days Restricted		Hazmat Exp.
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	Cnt
Aggravated preexisting condition	46	1.0	3,338	1.5	35	1.2	-	329	1.3	-
Apprehending / removing from property	18	0.4	1,049	0.5	16	0.5	-	52	0.2	-
Assaulted by other	33	0.7	1,457	0.7	27	0.9	-	303	1.2	-
Assaulted by coworker	10	0.2	1,161	0.5	8	0.3	-	4	0.0	-
Bitten / stung by bee, spider, other insect	85	1.9	103	0.0	14	0.5	-	25	0.1	-
Bitten by animal	5	0.1	0	0.0	-	-	-	0	0.0	-
Bodily function / sudden movement, e.g., sneez	142	3.2	7,661	3.6	113	3.8	-	1,099	4.3	1
Caught in / compressed by hand tools	17	0.4	77	0.0	8	0.3	-	79	0.3	-
Caught in / compressed by other machinery	14	0.3	488	0.2	9	0.3	-	165	0.6	-
Caught in / crushed by materials	37	0.8	1,335	0.6	25	0.8	-	529	2.1	1
Caught in / crushed in excavation, land slide	1	0.0	180	0.1	1	0.0	-	0	0.0	-
Caught in / compressed by powered hand tools	7	0.2	335	0.2	3	0.1	-	38	0.1	-
Cave in, slide, etc.	3	0.1	217	0.1	2	0.1	-	14	0.1	-
Climatic conditions, other (e.g., high wind	12	0.3	2	0.0	1	0.0	-	60	0.2	-
Climatic condition, exposure to environment	40	0.9	233	0.1	24	0.8	-	96	0.4	-
Collision - between on track equipment	62	1.4	5,303	2.5	50	1.7	-	70	0.3	-
Collision / impact - auto, truck, bus, van, e	156	3.5	8,271	3.8	108	3.6	-	903	3.5	-
Defective / malfunctioning equipment	46	1.0	3,262	1.5	38	1.3	-	152	0.6	1
Derailment	41	0.9	3,208	1.5	31	1.0	-	288	1.1	-
Electrical shock due to contact with 3rd ra	1	0.0	0	0.0	-	-	-	0	0.0	-
Electrical shock, other (explain in narrati	18	0.4	332	0.2	11	0.4	-	59	0.2	-
Electrical shock from hand tool	2	0.0	16	0.0	2	0.1	-	0	0.0	-
Exposure to fumes - inhalation	78	1.8	1,797	0.8	54	1.8	-	28	0.1	8
Exposure to chemicals - external	25	0.6	104	0.0	13	0.4	-	0	0.0	3
Exposure to poisonous plants	4	0.1	15	0.0	2	0.1	-	0	0.0	-
Exposure to noise over time	91	2.1	0	0.0	-	-	-	0	0.0	-
Exposure to noise - single incident	6	0.1	217	0.1	4	0.1	-	0	0.0	-
Exposure to welding light	1	0.0	2	0.0	1	0.0	-	0	0.0	-
Highway-rail collision / impact	81	1.8	6,178	2.9	60	2.0	-	247	1.0	-
Horseplay, practical joke, etc.	8	0.2	551	0.3	7	0.2	-	180	0.7	-
Lost balance	116	2.6	9,476	4.4	89	3.0	-	296	1.2	-
Missed handhold, grabiron, step, etc.	29	0.7	1,616	0.7	20	0.7	-	73	0.3	-
Needle puncture / prick / stick	7	0.2	11	0.0	3	0.1	-	0	0.0	-
Other impacts - on track equipment	15	0.3	1,342	0.6	11	0.4	-	7	0.0	-
Overexertion	547	12.4	31,125	14.4	420	14.0	2	3,678	14.4	-
Pushed / shoved into / against	19	0.4	1,003	0.5	16	0.5	-	82	0.3	-
Pushed / shoved onto	4	0.1	548	0.3	4	0.1	-	81	0.3	-
Pushed / shoved from	6	0.1	372	0.2	4	0.1	-	92	0.4	-
Ran into on-track equipment	2	0.0	5	0.0	1	0.0	-	0	0.0	-
Ran into object / equipment	12	0.3	392	0.2	6	0.2	-	10	0.0	-
Repetitive motion - work processes	35	0.8	1,254	0.6	23	0.8	-	564	2.2	-
Repetitive motion - typing, keyboard, etc.	2	0.0	180	0.1	1	0.0	-	0	0.0	-
Repetitive motion - tools	12	0.3	802	0.4	7	0.2	-	140	0.5	-
Repetitive motion - other (describe in narr	17	0.4	954	0.4	13	0.4	-	212	0.8	-
Rubbed, abraded, etc.	16	0.4	168	0.1	4	0.1	-	29	0.1	-
Shot	2	0.0	39	0.0	1	0.0	-	0	0.0	-
Slack action, draft, compressive buff / coupl	18	0.4	1,645	0.8	15	0.5	-	198	0.8	-
Slipped, fell, stumbled, etc. due to irregular	130	2.9	6,531	3.0	102	3.4	-	818	3.2	-
Slipped, fell, stumbled, etc. due to climat	157	3.6	9,610	4.5	126	4.2	-	1,126	4.4	-
Slipped, fell, stumbled, etc. on oil, grease, e	55	1.2	4,017	1.9	46	1.5	-	345	1.3	-
Slipped, fell, stumbled, etc. due to object, ba	238	5.4	15,054	7.0	182	6.0	2	1,504	5.9	-

1/ The number of cases that resulted in employee being absent for work at least 1 day

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous materials exposure

TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY EVENT, 2010

Event	Total		Days Absent		Absent Cases		Term. / Trans.	Days Restricted		Hazmat Exp.
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	Cnt
Stabbing, knifing, etc.	3	0.1	11	0.0	1	0.0	-	0	0.0	-
Stepped on object	70	1.6	5,020	2.3	56	1.9	-	422	1.6	-
Struck by thrown or propelled object	37	0.8	609	0.3	15	0.5	-	178	0.7	-
Struck by object	262	5.9	7,643	3.5	161	5.3	-	1,851	7.2	-
Struck by on-track equipment	26	0.6	1,692	0.8	18	0.6	-	120	0.5	-
Struck by falling object	70	1.6	2,570	1.2	45	1.5	-	376	1.5	-
Struck against object	149	3.4	4,374	2.0	89	3.0	-	898	3.5	-
Sudden release of air	9	0.2	50	0.0	6	0.2	-	3	0.0	-
Sudden/unexpected movement of material	52	1.2	1,323	0.6	34	1.1	-	258	1.0	-
Sudden/unexpected movement of on-track equ	58	1.3	4,270	2.0	44	1.5	1	470	1.8	-
Sudden/unexpected movement of vehicle	32	0.7	2,420	1.1	24	0.8	-	104	0.4	-
Sustained viewing	4	0.1	546	0.3	3	0.1	-	0	0.0	-
Thrill seeking	1	0.0	88	0.0	1	0.0	-	0	0.0	-
Caught, crushed, pinched, other	201	4.6	7,026	3.3	129	4.3	-	1,551	6.1	-
On track equipment, other incidents	16	0.4	1,355	0.6	11	0.4	-	390	1.5	-
Slipped, fell, stumbled, other	360	8.2	24,720	11.5	291	9.7	1	1,861	7.3	-
Sudden, unexpected movement, other	117	2.7	7,273	3.4	85	2.8	-	722	2.8	-
Bumped	22	0.5	748	0.3	14	0.5	-	92	0.4	-
Burned	34	0.8	548	0.3	17	0.6	-	206	0.8	-
Blowing / falling debris	64	1.4	435	0.2	25	0.8	-	63	0.2	-
Sudden/unexpected movement of tools	71	1.6	2,478	1.1	38	1.3	-	258	1.0	-
Struck by own remote control locomotive	1	0.0	0	0.0	-	-	-	0	0.0	-
Caught between machinery	7	0.2	105	0.0	3	0.1	-	79	0.3	-
Slack adjustment during switching operation	17	0.4	1,497	0.7	15	0.5	1	397	1.5	-
Caught between equipment	32	0.7	1,310	0.6	16	0.5	-	242	0.9	-
Caught between material	20	0.5	577	0.3	10	0.3	-	123	0.5	-
Other (describe in narrative)	151	3.4	4,056	1.9	98	3.3	-	977	3.8	-
Total	4,415	100	215,780	100	3,010	100	7	25,616	100	14

1/ The number of cases that resulted in employee being absent for work at least 1 day

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous materials exposure

TABLE 4-6 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY LOCATION, 2010

Location	Total		Days Absent		Absent Cases		Term. / Trans.	Days Restricted		Hazmat Exp.
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Main / branch	1,487	33.7	74,741	34.6	1,053	35.0	3	8,062	31.5	2
Yard	1,168	26.5	70,948	32.9	876	29.1	3	7,442	29.1	10
Siding	121	2.7	5,247	2.4	77	2.6	1	885	3.5	-
Industry	182	4.1	9,276	4.3	116	3.9	-	1,519	5.9	2
Repair	109	2.5	3,536	1.6	67	2.2	-	584	2.3	-
Break / lunch room	28	0.6	759	0.4	18	0.6	-	30	0.1	-
Freight terminal	25	0.6	1,996	0.9	17	0.6	-	428	1.7	-
Highway / roadway	178	4.0	9,047	4.2	127	4.2	-	764	3.0	-
Loading dock	13	0.3	480	0.2	8	0.3	-	101	0.4	-
Lodging facility	2	0.0	13	0.0	2	0.1	-	7	0.0	-
Office environment	77	1.7	3,679	1.7	49	1.6	-	384	1.5	-
Parking lot	67	1.5	3,412	1.6	45	1.5	-	330	1.3	-
Passenger terminal	284	6.4	9,236	4.3	155	5.1	-	1,020	4.0	-
Repair shop	480	10.9	17,943	8.3	283	9.4	-	3,009	11.7	-
Storage facility	55	1.2	1,929	0.9	34	1.1	-	492	1.9	-
Sidewalk / walkway	19	0.4	854	0.4	15	0.5	-	128	0.5	-
Other, (off site location	25	0.6	486	0.2	9	0.3	-	186	0.7	-
Other (explain in narrati	28	0.6	568	0.3	13	0.4	-	89	0.3	-
Other location (describe	67	1.5	1,630	0.8	46	1.5	-	156	0.6	-
Total	4,415	100	215,780	100	3,010	100	7	25,616	100	14

1/ The number of cases that resulted in employee being absent for work at least 1 day

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous materials exposure

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY JOB, 2010

Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Executives, officials, and staff assistants (miscellaneous)	-	1	-	0	0
Executives and general officers	-	2	-	0	5
Corporate staff managers	-	3	-	79	8
Regional / division officers, assistants and staff assistants	-	6	-	95	5
Transportation officers / managers	-	9	-	384	21
Total	-	21	-	558	39

Professional and Administrative

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Professional and administrative (miscellaneous)	-	9	-	46	15
Professional	-	9	1	213	1
Subprofessionals	-	11	2	198	9
General and administrative supervisors	-	8	1	129	90
Sales and traffic representatives and agents	-	2	1	0	0
Freight and other claim agents and investigators	-	2	-	2	0
Lieutenants and sergeants of police	-	6	-	185	0
Police officers, watchmen, guards (except crossing & bridge)	-	46	-	2,464	94
Inspectors, (except MOW & MOE), other investigators, etc	-	4	-	260	0
Clerical technicians and clerical specialists	-	10	-	737	0
Office machine and data equipment operators	-	1	-	0	0
Secretaries, stenographers, and typists	-	3	-	0	15
General / other clerks (except yd clerk and crew dispatcher)	-	48	2	2,668	161
Telephone and switchboard operators	-	1	-	6	0
Building and office attendants	-	23	-	367	61
Messengers and office persons	-	2	-	175	36
Motor vehicle operators	-	34	2	2,355	219
Total	-	219	9	9,805	701

Maintenance-of-Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance-of-way and structures (miscellaneous)	-	43	-	497	73
Supervisors, MOW, structures, communication & signals	1	33	1	1,018	127
MOW, structures, comm. & signals, & scale inspectors	-	37	-	1,297	103
Bridge and building gang foreman	-	23	3	1,037	136
Bridge and building carpenters	-	49	2	1,899	390
Bridge and building ironworkers	-	5	-	267	22
Bridge and building painters	-	2	-	0	0
Masons, bricklayers, plasterers, and plumbers	-	65	3	1,967	580
Bridge and building helpers and apprentices	-	22	-	888	94
Bridge / building gang and bridge / building dept laborers	-	38	5	1,992	302
Track gang foremen (extra gang work train laborers)	2	35	3	1,599	336
Gang or section foreman	-	68	5	2,869	709
Extra gang laborers	-	93	8	3,803	418
Section laborers	-	211	7	8,078	1,667
Machine operators	-	168	9	8,015	976
Gang foremen, communications and signals	-	18	1	356	152

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY JOB, 2010

Maintenance-of-Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Signalmen and signal maintainers	-	102	2	4,033	583
Linemen and groundmen and communications craftsman	-	31	5	1,009	221
Assistant signalmen and assistant signal maintainers	-	13	3	469	74
Signal helpers and signal maintainer helpers	-	13	1	198	12
Camp car cooks	-	8	-	93	10
Total	3	1,077	58	41,384	6,985

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of equipment and stores (miscellaneous)	-	23	-	466	71
Supervisors and general foremen, maintenance of equipment	-	14	-	34	215
Supervisors and general foremen, materials and stores	-	5	1	483	0
Equipment, shop, electrical inspectors	-	10	3	196	8
Storekeeper	-	17	1	609	11
Gang foremen, maintenance of equipment	-	15	1	1,058	30
Blacksmiths	-	2	-	29	1
Boilermakers	-	8	-	602	9
Carmen (freight)	-	141	8	6,974	1,424
Carmen (other)	-	148	7	4,887	1,006
Electrical workers (A)	-	128	9	5,986	867
Electrical workers (B)	-	14	-	361	0
Electrical workers (C)	-	4	-	38	0
Machinists	1	152	4	6,527	690
Sheet metal workers	-	30	1	1,344	121
Skilled trades, helpers, maintenance of equipment and stores	-	46	-	801	205
Apprentices, maintenance of equipment and stores	-	7	-	175	210
Coach cleaners	-	64	1	3,591	900
Laborers: shops, enginehouses and power plants	-	56	-	1,495	92
Equipment operators/general laborers, materials and stores	-	26	2	731	61
Stationary engineers	-	5	-	19	98
Total	1	915	38	36,406	6,019

Transportation, Other Than Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, other than train and engine (miscellaneous)	-	1	-	5	0
Transportation supervisor and chief train dispatcher	-	2	2	0	0
Train dispatchers	-	6	3	555	0
Station, freight and passenger agents	-	4	1	96	0
Clerk operators, towerman, train directors	1	7	-	262	18
Station masters & assts, super bag. agents, bag. agents, etc	-	2	-	117	92
Baggage, parcel room and station attendants	-	19	-	1,401	213
Gen/asst gnrl foremen,stations,warehouses,grain elev., docks	-	1	-	0	0
Gang foreman, stations, warehouses, grain elevators, docks	-	3	-	99	29
Grain elevator, and dock laborers	1	5	-	253	23
Station, and warehouse laborers	1	5	-	144	0
Truckers (station, warehouse and platforms)	-	1	-	22	0

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEES ON DUTY, BY JOB, 2010

Transportation, Other Than Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Food and lodging manager, supervisors	-	1	-	180	0
Waiters and kitchen helpers (restaurant and dining car)	-	2	-	180	0
Chefs and cooks (restaurant and dining car)	-	20	-	781	79
Train attendants	-	84	2	5,642	415
Bridge operators and helpers	-	2	-	170	0
Yards clerks	-	19	-	917	441
Yardmasters and assistant yardmasters	-	8	-	215	7
Total	3	192	8	11,039	1,317

Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, train and engine (miscellaneous)	-	68	-	1,910	95
Switchtenders	-	7	1	725	42
Outside hostlers	-	4	-	350	14
Outside hostler helpers	-	6	-	815	50
Inside hostler	-	1	-	72	0
Road passenger conductors	-	225	11	10,042	1,052
Assistant road passenger conductors and ticket collectors	-	86	3	5,907	311
Road freight conductors (through freight)	1	280	8	22,138	2,256
Road freight conductors (local and way freight)	2	179	1	12,035	756
Road Passenger brakemen and flagmen	-	8	-	119	137
Road freight brakemen and flagmen (through freight)	-	32	4	2,537	133
Road freight brakemen and flagmen (local and way freight)	1	68	1	6,182	303
Yard conductors and yard foremen	2	189	4	13,433	2,045
Yard brakemen and yard helpers	2	134	4	8,270	848
Road passenger engineers and motormen	1	88	27	4,906	172
Road freight engineers (through freight)	1	174	2	11,842	936
Road freight engineers (local and way freight)	1	84	1	5,988	406
Yard engineers	1	58	2	4,023	100
Road passenger firemen and helpers	-	2	1	6	0
Road freight firemen and helpers (through freight)	-	2	-	178	2
Remote control locomotive operator -operating	-	43	2	2,553	483
Remote control locomotive operator - not operating	1	47	1	2,557	414
Total	13	1,785	73	116,588	10,555

TABLE 4-8 OCCUPATIONAL ILLNESSES OF EMPLOYEES ON DUTY, 2010

Illness	Total		Kld	Nonfatal	Days		Absent Cases	Term./ Trans.	Days		Hazmat Exp.
	Cnt	%			Absent				Restricted		
Dermatitis	1	0.5	-	1	1	1	-	-	0	-	-
Rashes	3	1.6	-	3	0	-	-	-	0	-	-
Misc. skin diseases/disorders	1	0.5	-	1	0	-	-	-	0	-	1
Acute congestion, dust/gas/etc.	1	0.5	-	1	363	1	-	-	0	-	-
Misc. respiratory conditions	1	0.5	-	1	0	-	-	-	0	-	1
Heat/sun stroke	3	1.6	-	3	76	3	-	-	90	-	-
Heat exhaustion	35	18.8	-	35	277	19	-	-	6	-	-
Misc. disorders,physical agents	1	0.5	-	1	0	-	-	-	0	-	-
Noise induced hearing loss	90	48.4	-	90	0	-	-	-	0	-	-
Synovitis	8	4.3	-	8	738	7	-	-	71	-	-
Tenosynovitis	5	2.7	-	5	202	3	-	-	14	-	-
Bursitis	3	1.6	-	3	76	3	-	-	0	-	-
Carpal tunnel syndrome	4	2.2	-	4	360	3	-	-	0	-	-
Misc. repeated trauma condition	12	6.5	-	12	694	7	-	-	145	-	-
Stress related syndromes	11	5.9	-	11	1,118	10	-	-	25	-	-
Misc. illnesses, unclassified	1	0.5	-	1	113	1	-	-	0	-	-
Emotional trauma/nervous shock	6	3.2	-	6	864	5	-	-	0	-	-
Total	186	100	-	186	4,882	63	-	-	351	-	2

TABLE 4-9 OCCUPATIONAL ILLNESSES OF EMPLOYEES ON DUTY, BY RAILROAD, 2010

RR	Total		Kld	Nonfatal	Days Absent			Absent Cases		Term./ Trans.	Days Restricted			Hazmat Exp.
	Cnt	%			Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
ARR	6	3.2	-	6	0	0.0	0	-	-	-	0	0.0	0	-
ATK	98	52.7	-	98	1,459	29.9	15	13	20.6	-	85	24.2	1	-
BNSF	23	12.4	-	23	1,276	26.1	55	15	23.8	-	140	39.9	6	1
CN	5	2.7	-	5	313	6.4	63	4	6.3	-	0	0.0	0	-
CP	4	2.2	-	4	118	2.4	30	4	6.3	-	0	0.0	0	-
CSX	3	1.6	-	3	11	0.2	4	1	1.6	-	3	0.9	1	-
KCS	2	1.1	-	2	0	0.0	0	-	-	-	0	0.0	0	-
MBTA	3	1.6	-	3	44	0.9	15	1	1.6	-	0	0.0	0	-
NICD	1	0.5	-	1	4	0.1	4	1	1.6	-	0	0.0	0	-
NJTR	4	2.2	-	4	436	8.9	109	3	4.8	-	0	0.0	0	-
NS	5	2.7	-	5	557	11.4	111	5	7.9	-	0	0.0	0	-
PCMZ	1	0.5	-	1	180	3.7	180	1	1.6	-	0	0.0	0	-
UP	24	12.9	-	24	343	7.0	14	11	17.5	-	33	9.4	1	-
XXXX	7	3.8	-	7	141	2.9	20	4	6.3	-	90	25.6	13	1
Total	186	100	-	186	4,882	100	26	63	100	-	351	100	2	2

1/ The number of cases that resulted in employee being absent for work at least 1 day

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous materials exposure

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CHAPTER 5

TRAIN ACCIDENTS

Collisions, derailments, fires, explosions, acts of God, or other events involving the operation of railroad on-track equipment (standing or moving) and causing reportable damages greater than the reporting threshold for the year in which the accident/incident occurred, must be reported using Form FRA F6180.54. The reporting threshold for CYs 1991–1996 was \$6,300; CY 1997, \$6,500; CYs 1998–2001, \$6,600; CYs 2002–2005, \$6,700; CY 2006, \$7,700; CY 2007, \$8,200; CY 2008, \$8,500; CY 2009, \$8,900; and CY 2010, \$9,200.

Reportable damage includes labor costs and all other costs to repair or replace in kind damaged on-track equipment, signals, track, track structures, or roadbed. Reportable damage does not include the cost of clearing a wreck; however, additional damage (to the above-listed items) caused while clearing the wreck is to be included in your damage estimate.

Examples of other costs included in reportable damage are: (1) rental and/or operation of machinery such as cranes and bulldozers, (2) services of contractors to replace or repair the track right-of-way and associated structures, and (3) costs associated with the repair or replacement of roller bearings on units that were derailed or submerged in water. (Replacement costs include the labor costs resulting from a wheel set changeout.)

If the property of more than one railroad is involved in an accident/incident, the reporting threshold is calculated by including the damages suffered by all railroads involved. When total reportable damage (for all railroads directly involved in an accident/incident) exceeds the reporting threshold, a report is required even though an individual railroad's damages were below the threshold.

The tables displaying train accidents by railroad show the number of events that a railroad was involved in, regardless of whether that railroad's operations were the primary reason the accident occurred. This is done because all railroads are required to report the extent of their involvement in the accident, regardless of whether there is an agreement on the cause of the accident.

A form must be completed for each consist involved in an accident. The railroad responsible for the on-track equipment at the time of the accident, and only that railroad, will report the consist.

In joint operations, if the railroad having track maintenance responsibility did not also have on-track rail equipment involved, a report containing the track information must be forwarded.

Track information for accidents occurring on industry track of a nonreporting company is to be reported by the railroad operating the on-track equipment. Damages to industry track and on-track equipment are included in reportable damage.

A railroad need not report the following:

1. Cars derailed on industry tracks by nonrailroad employees or nonrailroad employee vandalism, providing there is no involvement of railroad employees.
2. Damage to out-of-service cars resulting from high water or flooding, e.g., empties placed on storage or repair track. This exclusion does not apply if such cars are placed into a moving consist and, as a result of this damage, a reportable rail equipment accident results.

An equipment consist is a train, locomotive(s), cut of cars, or a single car not coupled to another car or locomotive.

Car. A unit of on-track equipment, either:

1. Equipment designed to be hauled by locomotives.
2. Equipment such as a track motorcar, highway-rail vehicle, push car, crane, or ballast tamping machine.

Locomotive. A piece of on-track equipment, other than hi-rail or specialized maintenance equipment:

1. With one or more propelling motors designed for moving other equipment.
2. With one or more propelling motors designed to carry freight or passenger traffic, or both.
3. Without propelling motors but with one or more control stands.

Motorcar. A self-propelled unit of equipment, designed to carry freight or passenger traffic. (Does not include track motorcars or similar work equipment.)

Train. For purposes of accident/incident reporting, a locomotive or locomotives coupled with or without cars, and with or without markers displayed. This definition includes trains consisting entirely of self-propelled units designed to carry passengers, freight traffic, or both.

Yard switching trains. Those trains operated primarily within yards for the purpose of switching other equipment. Examples include the making up or breaking up of trains, servicing industrial tracks within yard limits, storing or classifying cars, and other similar operations.

Note: Switching performed by a road crew that is incidental to the road operation is not included.

Work trains are nonrevenue trains used for the administration and upkeep service of the railroad. Examples are: official trains; inspection trains; special trains running with company fire apparatus to save the railroad's property from destruction; trains that transport the railroad's employees to and from work when no transportation charge is made; construction and upkeep

trains run in connection with maintenance and improvement work; and material and supply trains run in connection with operations.

CONTENTS

CHAPTER 5

TRAIN ACCIDENTS

Tables	Title	Page
5-1	Train Accidents by Railroad, Type, and Major Cause, 2010	65
5-2	Train Accidents by State, Type, and Major Cause, 2010	66
5-3	Train Accidents by Month, Type, and Major Cause, 2010	67
5-4	Train Accidents by Day, Type, and Major Cause, 2010	67
5-5	Train Accidents by Time of Day, Type, and Major Cause, 2010	68
5-6	Train Accidents by Type and Major Cause, 2010	68
5-7	Train Accidents by Subcause and Type, 2010	69
5-8	Train Accidents with Contributing Cause, 2010	70
5-9	Train Accidents by Specific Cause and Type, 2010	71
5-10	Train Accidents by Type of Track and Class, 2010	77
5-11	Train Accidents by Type of Track and Consist Speed, 2010	78
5-12	Train Accidents by Weather Condition, 2010	79
5-13	Train Accidents by Consist Length, 2010	80
5-14	Train Accidents by Type of Track and Consist, 2010	81
5-15	Train Accidents by Consist Length and Type of Consist, 2010	82
5-16	Involvement in Train Accidents by Type of Consist, 2010	83
5-17	Damage by Track Type, 2010	83
5-18	Damage by Consist Type, 2010	83

TABLE 5-1 TRAIN ACCIDENTS BY RAILROAD, TYPE, AND MAJOR CAUSE, 2010

Railroad	Total		Type of Accident				Reportable Damage	Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr		Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alaska RR Corp.	3	0.1	-	1	-	2	176,632	-	1	1	-	2	-	-	-	
Amtrak	118	5.1	6	21	29	62	8,042,324	14	129	21	29	13	21	-	34	
Burlington Northern Santa Fe	475	20.7	26	334	32	83	71,465,247	4	25	62	32	167	54	12	148	
Buffalo & Pittsburg	2	0.1	-	1	-	1	52,000	-	-	-	-	1	1	-		
Belt Rwy Of Chicago	24	1.0	4	13	-	7	427,394	-	-	2	-	10	5	2	5	
Canadian National	84	3.7	7	47	11	19	8,448,977	-	14	8	11	34	9	2	20	
Canadian Pacific	32	1.4	3	24	1	4	3,611,913	-	1	4	1	12	1	-	14	
Conrail Shared Assets	18	0.8	3	13	2	-	492,245	-	-	-	2	8	1	1	6	
CSX Transportation	281	12.2	23	175	20	63	36,219,617	-	14	32	20	93	26	29	81	
Florida East Coast	3	0.1	-	-	1	2	55,323	-	-	-	1	-	2	-	-	
Guilford Rail System	3	0.1	-	3	-	-	111,869	-	-	-	-	-	-	-	3	
Other Railroads	285	12.4	15	231	15	24	17,688,966	2	9	25	15	69	23	-	153	
Indiana Harbor Belt	13	0.6	2	7	-	4	334,328	-	-	1	-	7	1	3	1	
Kansas City Southern	44	1.9	3	31	10	-	5,844,947	-	9	9	10	11	2	-	12	
Long Island Rail Road	7	0.3	-	4	-	3	1,324,131	-	-	1	-	2	4	-	-	
MD Assn. of Rail Comm	5	0.2	1	1	-	3	431,532	-	4	2	-	1	1	-	1	
Mass Bay Transit Auth.	4	0.2	-	3	-	1	77,061	-	-	1	-	2	-	-	1	
Metro North Commuter	32	1.4	3	4	-	25	1,208,952	-	-	10	-	8	3	-	11	
Montana Rail Link	12	0.5	2	8	-	2	3,215,880	-	-	2	-	7	-	-	3	
Northeast IL Reg Comm	6	0.3	-	2	3	1	187,280	1	5	1	3	-	2	-	-	
New Jersey Transit Rail	45	2.0	-	16	2	27	1,435,317	-	7	4	2	17	6	-	16	
Norfolk Southern Corp.	223	9.7	16	156	15	36	29,231,538	1	10	29	15	88	30	3	58	
Port Auth Trans Hudson	3	0.1	-	-	-	3	85,904	-	-	1	-	-	2	-	-	
Peninsula Comm San Mateo Cnty	2	0.1	-	1	-	1	236,780	-	-	-	-	1	1	-	-	
Port Terminal RR Assn	4	0.2	2	2	-	-	206,750	-	-	-	-	2	-	-	2	
Southern CA Reg Rail Auth.	3	0.1	-	1	2	-	103,035	-	1	-	2	1	-	-	-	
Southeastern PA Trans.	15	0.7	-	-	1	14	237,592	-	4	7	1	1	5	-	1	
Term RR Assn Of St. Louis	6	0.3	-	5	-	1	132,883	-	-	1	-	3	1	-	1	
Union Pacific	530	23.1	23	341	74	92	73,209,124	8	62	51	74	137	87	18	163	
Union RR (Pittsburgh)	3	0.1	1	2	-	-	335,687	1	-	-	-	2	-	-	1	
Wheeling & Lake Erie	12	0.5	-	11	1	-	407,565	1	-	-	1	-	2	-	9	

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-2 TRAIN ACCIDENTS BY STATE, TYPE, AND MAJOR CAUSE, 2010

State	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Accs	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Alabama	66	3.2	6	52	-	8	8,856,345	3.3	1	6	9	-	19	7	5	26
Alaska	3	0.1	-	1	-	2	176,632	0.1	-	1	1	-	2	-	-	-
Arizona	17	0.8	-	14	3	-	3,153,141	1.2	1	2	-	3	3	5	-	6
Arkansas	43	2.1	1	23	7	12	5,762,670	2.2	1	20	3	7	6	10	2	15
California	100	4.8	7	58	14	21	13,010,848	4.9	2	39	6	14	47	12	2	19
Colorado	34	1.6	2	20	4	8	3,554,571	1.3	-	2	7	4	11	2	-	10
Connecticut	28	1.3	2	8	-	18	1,651,201	0.6	-	-	4	-	5	5	-	14
Delaware	4	0.2	-	3	-	1	132,806	0.1	-	-	-	-	-	-	-	4
Dist Of Columbi	5	0.2	1	1	-	3	482,237	0.2	-	6	2	-	1	-	-	2
Florida	24	1.2	1	9	8	6	535,834	0.2	3	5	1	8	3	7	-	5
Georgia	56	2.7	5	36	5	10	9,059,333	3.4	-	5	3	5	24	2	8	14
Idaho	15	0.7	-	13	2	-	589,896	0.2	-	-	2	2	1	2	1	7
Illinois	184	8.9	16	119	9	40	16,476,401	6.2	1	25	20	9	65	32	8	50
Indiana	46	2.2	3	26	5	12	7,322,015	2.8	-	4	5	5	13	4	5	14
Iowa	60	2.9	1	46	5	8	9,375,963	3.5	-	5	3	5	19	6	-	27
Kansas	60	2.9	6	36	12	6	9,903,396	3.7	1	5	5	12	13	9	2	19
Kentucky	36	1.7	4	26	2	4	7,440,131	2.8	1	1	2	2	13	1	3	15
Louisiana	65	3.1	5	38	17	5	6,488,978	2.4	2	32	8	17	19	1	-	20
Maine	7	0.3	2	5	-	-	260,654	0.1	-	1	-	-	2	-	-	5
Maryland	26	1.3	-	16	-	10	1,275,229	0.5	1	-	8	-	5	4	1	8
Massachusetts	12	0.6	1	5	-	6	716,046	0.3	-	1	4	-	4	-	-	4
Michigan	33	1.6	3	22	4	4	1,632,697	0.6	-	9	4	4	12	4	-	9
Minnesota	42	2.0	4	27	2	9	5,949,786	2.2	1	6	7	2	12	9	2	10
Mississippi	25	1.2	-	18	3	4	4,765,712	1.8	-	4	5	3	5	3	-	9
Missouri	39	1.9	2	27	3	7	8,335,948	3.1	1	3	3	3	11	6	1	15
Montana	45	2.2	2	35	1	7	9,248,123	3.5	1	-	2	1	18	3	-	21
Nebraska	77	3.7	3	57	3	14	23,167,359	8.7	-	4	12	3	18	8	2	34
Nevada	7	0.3	1	5	-	1	1,001,030	0.4	-	-	2	-	1	2	-	2
New Jersey	58	2.8	3	21	2	32	1,630,105	0.6	-	5	5	2	20	9	1	21
New Mexico	16	0.8	1	13	1	1	3,525,837	1.3	1	-	2	1	5	4	-	4
New York	48	2.3	5	22	-	21	3,403,578	1.3	-	4	12	-	18	8	5	5
North Carolina	26	1.3	1	15	4	6	5,607,646	2.1	1	18	5	4	10	2	1	4
North Dakota	22	1.1	-	16	2	4	7,439,261	2.8	2	1	5	2	8	-	-	7
Ohio	87	4.2	4	64	3	16	7,512,711	2.8	1	1	11	3	34	11	-	28
Oklahoma	55	2.6	1	39	6	9	3,980,071	1.5	1	7	2	6	11	16	3	17
Oregon	27	1.3	-	23	1	3	2,517,490	0.9	-	1	4	1	5	4	3	10
Pennsylvania	72	3.5	4	39	3	26	5,684,360	2.1	3	6	15	3	18	15	2	19
Rhode Island	2	0.1	-	1	-	1	50,236	0.0	-	-	-	-	-	-	-	2
South Carolina	12	0.6	-	6	2	4	2,231,981	0.8	1	2	2	2	3	2	-	3
South Dakota	7	0.3	-	5	-	2	521,119	0.2	-	-	2	-	-	1	-	4
Tennessee	38	1.8	3	25	-	10	4,008,391	1.5	-	1	4	-	15	10	3	6
Texas	250	12.0	21	160	39	30	23,603,830	8.9	4	42	24	39	74	20	6	87
Utah	18	0.9	-	13	3	2	1,378,335	0.5	-	2	-	3	7	4	-	4
Vermont	3	0.1	-	3	-	-	310,301	0.1	-	-	-	-	-	1	-	2
Virginia	36	1.7	1	28	2	5	6,529,267	2.5	1	8	2	2	13	2	-	17
Washington	52	2.5	2	39	3	8	6,218,400	2.3	-	1	5	3	23	6	1	14
West Virginia	31	1.5	3	22	1	5	4,455,935	1.7	-	3	6	1	6	2	-	16
Wisconsin	21	1.0	1	16	1	3	4,472,041	1.7	-	1	2	1	7	4	-	7
Wyoming	39	1.9	3	21	-	15	9,632,916	3.6	-	6	12	-	14	5	-	8
Total	2,079	100	131	1,337	182	429	265,038,793	100.0	32	295	248	182	643	270	67	669

TABLE 5-3 TRAIN ACCIDENTS BY MONTH, TYPE, AND MAJOR CAUSE, 2010

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
January	195	9.4	4	125	18	48	21,171,917	8.0	3	30	24	18	57	40	6	50
February	180	8.7	18	118	13	31	22,531,757	8.5	3	24	22	13	55	26	2	62
March	184	8.9	6	122	16	40	29,664,410	11.2	3	23	18	16	56	26	6	62
April	152	7.3	13	91	14	34	14,154,785	5.3	4	9	25	14	50	19	7	37
May	156	7.5	14	91	15	36	19,202,637	7.2	3	48	11	15	53	20	7	50
June	188	9.0	12	131	18	27	27,839,854	10.5	5	23	17	18	53	27	9	64
July	191	9.2	12	127	16	36	29,304,004	11.1	4	12	19	16	52	23	3	78
August	195	9.4	12	131	17	35	21,699,264	8.2	1	46	30	17	64	23	4	57
September	153	7.4	13	106	7	27	24,366,214	9.2	1	29	19	7	57	16	6	48
October	170	8.2	5	104	20	41	17,203,894	6.5	3	19	20	20	50	19	5	56
November	147	7.1	10	96	9	32	18,471,016	7.0	-	18	16	9	49	13	2	58
December	168	8.1	12	95	19	42	19,429,041	7.3	2	14	27	19	47	18	10	47
Total	2,079	100	131	1,337	182	429	265,038,793	100.0	32	295	248	182	643	270	67	669

TABLE 5-4 TRAIN ACCIDENTS BY DAY, TYPE, AND MAJOR CAUSE, 2010

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Sunday	221	10.6	18	154	10	39	37,042,641	14.0	-	31	28	10	65	34	9	75
Monday	288	13.9	18	182	25	63	31,604,948	11.9	7	22	32	25	99	29	5	98
Tuesday	352	16.9	22	231	29	70	40,103,305	15.1	6	32	40	29	123	44	10	106
Wednesday	314	15.1	20	196	34	64	41,256,032	15.6	2	41	38	34	81	43	12	106
Thursday	335	16.1	18	207	39	71	41,157,615	15.5	10	65	37	39	100	50	9	100
Friday	317	15.2	23	202	28	64	26,013,840	9.8	2	81	37	28	96	34	13	109
Saturday	252	12.1	12	165	17	58	47,860,412	18.1	5	23	36	17	79	36	9	75
Total	2,079	100	131	1,337	182	429	265,038,793	100.0	32	295	248	182	643	270	67	669

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-5 TRAIN ACCIDENTS BY TIME OF DAY, TYPE, AND MAJOR CAUSE, 2010

Time	Total		Type of Accident				Reportable Damage		Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
AM	1	77	3.7	8	58	1	10	12,587,760	4.7	1	3	11	1	36	7	2	20
	2	66	3.2	7	46	2	11	8,634,598	3.3	-	1	5	2	29	10	-	20
	3	82	3.9	11	56	-	15	8,777,202	3.3	1	21	10	-	34	11	4	23
	4	81	3.9	7	50	3	21	11,469,891	4.3	-	6	13	3	33	9	1	22
	5	83	4.0	5	59	2	17	13,239,751	5.0	1	-	14	2	26	9	6	26
	6	63	3.0	1	41	6	15	10,223,328	3.9	-	7	7	6	19	9	2	20
	7	74	3.6	3	43	10	18	13,093,058	4.9	2	24	15	10	16	12	-	21
	8	97	4.7	4	62	14	17	12,408,036	4.7	1	15	15	14	21	13	1	33
	9	114	5.5	5	62	16	31	15,354,013	5.8	2	11	19	16	39	11	4	25
	10	135	6.5	11	83	17	24	9,291,323	3.5	4	38	20	17	38	15	5	40
	11	82	3.9	6	48	12	16	8,226,429	3.1	3	12	9	12	23	5	4	29
	12	58	2.8	2	43	1	12	4,029,670	1.5	-	2	3	1	21	11	2	20
	Sub	1,012	48.7	70	651	84	207	127,335,059	48.0	15	140	141	84	335	122	31	299
	PM	1	90	4.3	5	56	14	15	4,331,621	1.6	1	13	8	14	25	10	-
2		103	5.0	3	68	18	14	12,353,076	4.7	-	14	11	18	22	9	1	42
3		93	4.5	1	65	7	20	13,957,323	5.3	3	37	10	7	25	10	1	40
4		118	5.7	11	68	15	24	15,374,372	5.8	4	13	7	15	40	12	2	42
5		99	4.8	2	64	11	22	17,418,468	6.6	2	28	9	11	22	16	5	36
6		77	3.7	6	47	8	16	8,829,917	3.3	2	5	7	8	21	13	5	23
7		83	4.0	1	60	4	18	12,726,360	4.8	1	4	13	4	18	14	5	29
8		72	3.5	7	38	5	22	6,216,805	2.3	-	11	9	5	33	8	5	12
9		91	4.4	3	59	6	23	18,948,964	7.1	2	9	11	6	26	15	5	28
10		63	3.0	7	44	1	11	5,711,623	2.2	-	3	6	1	25	6	4	21
11		79	3.8	7	59	1	12	14,220,101	5.4	1	7	10	1	28	12	-	28
12		99	4.8	8	58	8	25	7,615,104	2.9	1	11	6	8	23	23	3	36
Sub		1,067	51.3	61	686	98	222	137,703,734	52.0	17	155	107	98	308	148	36	370
Total		2,079	100	131	1,337	182	429	265,038,793	100	32	295	248	182	643	270	67	669

TABLE 5-6 TRAIN ACCIDENTS BY TYPE AND MAJOR CAUSE, 2010

Type Accident	Total		Reportable Damage		Casualties		Causes					
	Cnt	%	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Derailments	1,337	64.3	214,484,420	80.9	2	48	180	-	357	147	31	622
Head on collision	3	0.1	2,133,797	0.8	-	11	-	-	3	-	-	-
Rear end collision	11	0.5	2,837,872	1.1	-	10	-	-	11	-	-	-
Side collision	71	3.4	5,467,440	2.1	1	4	-	-	65	2	2	2
Raking collision	42	2.0	1,614,386	0.6	-	4	1	-	33	5	2	1
Broken train coll.	4	0.2	409,257	0.2	-	1	2	-	-	2	-	-
Highway-rail Impact	182	8.8	11,903,190	4.5	24	190	-	182	-	-	-	-
Obstruction impact	73	3.5	4,585,049	1.7	4	17	7	-	17	45	-	4
Explosion / detonation	2	0.1	1,052,973	0.4	-	-	1	-	1	-	-	-
Fire / violent rupture	22	1.1	3,480,744	1.3	-	4	14	-	-	8	-	-
Other impacts	206	9.9	10,355,037	3.9	1	5	10	-	127	38	28	3
Other events	126	6.1	6,714,628	2.5	-	1	33	-	29	23	4	37
Total	2,079	100	265,038,793	100	32	295	248	182	643	270	67	669

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-7 TRAIN ACCIDENTS BY SUBCAUSE AND TYPE, 2010

Causes	Total		Type of Accident				Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal
Brakes	18	0.9	-	15	-	3	1,637,851	0.6	-	1
Body	23	1.1	1	13	-	9	2,155,084	0.8	-	-
Coupler & Draft System	29	1.4	2	23	-	4	2,483,435	0.9	-	-
Truck Components	41	2.0	-	41	-	-	6,316,870	2.4	-	-
Axles & Journal Bearings	34	1.6	-	33	-	1	22,992,950	8.7	-	-
Wheels	49	2.4	-	46	-	3	18,248,022	6.9	-	1
Locomotives	42	2.0	-	-	-	42	1,482,855	0.6	-	4
Doors	7	0.3	-	5	-	2	352,682	0.1	-	-
Other Mechanical	5	0.2	-	4	-	1	590,195	0.2	-	3
Brakes, Use of	75	3.6	19	19	-	37	4,453,318	1.7	-	3
Employee Physical Condition	1	0.0	1	-	-	-	12,000	0.0	-	-
Flagging, Fixed, Hand & Radio	23	1.1	6	12	-	5	3,292,847	1.2	1	11
General Switching Rules	229	11.0	50	107	-	72	9,926,213	3.7	-	9
Main Track Authority	25	1.2	7	4	-	14	4,782,166	1.8	-	10
Train Handling / Makeup	83	4.0	3	74	-	6	8,998,279	3.4	-	1
Speed	45	2.2	13	23	-	9	4,563,473	1.7	-	-
Switches, Use of	124	6.0	7	106	-	11	7,847,722	3.0	-	1
Miscellaneous Human Factors	38	1.8	6	12	-	20	2,197,307	0.8	-	11
Environmental Conditions	52	2.5	1	39	-	12	11,655,784	4.4	-	6
Loading Procedures	19	0.9	1	18	-	-	1,238,249	0.5	-	-
Highway-Rail Incidents	182	8.8	-	-	182	-	11,903,190	4.5	24	190
Unusual Operational Situations	124	6.0	4	46	-	74	14,688,339	5.5	4	6
Other Miscellaneous Causes	75	3.6	3	44	-	28	6,969,087	2.6	2	5
Signal Defects	67	3.2	4	31	-	32	2,775,927	1.0	-	-
Roadbed	42	2.0	1	38	-	3	12,093,512	4.6	1	15
Track Geometry	224	10.8	-	221	-	3	35,146,139	13.3	-	1
Rail, Joint Bar & Anchors	216	10.4	-	215	-	1	51,515,331	19.4	-	3
Frogs, Switches, Appliances	137	6.6	2	133	-	2	12,879,127	4.9	-	14
Other Track Defects	50	2.4	-	15	-	35	1,840,839	0.7	-	-
Total	2,079	100	131	1,337	182	429	265,038,793	100.0	32	295

EQP = equipment(ontrack), HMN = human factor,
SIG = signal, TRK = track, HRC =highway-rail crossing

TABLE 5-8 TRAIN ACCIDENTS WITH CONTRIBUTING CAUSE, 2010

Contributing Cause	Total		Type of Accident				Type of Track			
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry
Brakes	4	1.6	-	-	-	4	-	4	-	-
Coupler & Draft System	3	1.2	-	3	-	-	2	1	-	-
Truck Components	7	2.8	-	7	-	-	4	3	-	-
Axles & Journal Bearings	1	0.4	-	1	-	-	1	-	-	-
Wheels	9	3.6	-	9	-	-	4	5	-	-
Locomotives	1	0.4	-	-	-	1	1	-	-	-
Brakes, Use of	12	4.8	3	3	-	6	2	7	-	3
Flagging, Fixed, Hand & Radio	2	0.8	2	-	-	-	1	1	-	-
General Switching Rules	33	13.1	4	18	-	11	7	20	-	6
Main Track Authority	3	1.2	1	1	-	1	2	1	-	-
Train Handling / Makeup	17	6.7	1	14	-	2	7	9	-	1
Speed	9	3.6	2	4	-	3	5	4	-	-
Switches, Use of	18	7.1	1	16	-	1	2	14	-	2
Miscellaneous Human Factors	3	1.2	1	2	-	-	-	2	-	1
Environmental Conditions	8	3.2	1	3	-	4	5	1	-	2
Loading Procedures	2	0.8	-	1	-	1	1	-	-	1
Highway-Rail Incidents	20	7.9	-	-	20	-	19	-	1	-
Unusual Operational Situations	7	2.8	-	3	1	3	3	4	-	-
Other Miscellaneous Causes	7	2.8	-	5	-	2	4	-	-	3
Signal Defects	1	0.4	-	1	-	-	1	-	-	-
Roadbed	17	6.7	-	17	-	-	5	7	-	5
Track Geometry	31	12.3	-	31	-	-	15	9	-	7
Rail, Joint Bar & Anchors	15	6.0	-	15	-	-	5	6	2	2
Frogs, Switches, Appliances	20	7.9	-	20	-	-	7	8	-	5
Other Track Defects	2	0.8	-	2	-	-	-	-	-	2
Total	252	100	16	176	21	39	103	106	3	40

EQP = equipment(ontrack), HMN = human factor, SIG = signal,
TRK = track, HRC =highway-rail crossing

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Bottling the Air	2	0.1	-	1	1	1	-	1	58,000	-	-
Failure to secure engine- rr empl	5	0.2	3	1	1	1	2	2	589,446	-	1
Fail to secure car hnd brk -rr emp	23	1.1	6	8	9	2	17	4	1,409,034	-	1
Fail to release hand brk - rr emp	4	0.2	-	2	2	1	1	2	214,619	-	-
Fail to apply suff. hand brakes -rr emp	17	0.8	4	2	11	-	14	3	1,148,028	-	-
Fail to apply car hnd brks -rr emp	15	0.7	6	1	8	-	13	2	581,935	-	1
Fail to secure equip - not rr emp	4	0.2	-	3	1	3	-	1	348,118	-	-
Fail to ctrl car spd use hnd brk-r emp	3	0.1	-	-	3	1	2	-	48,338	-	-
Use of brakes, other	2	0.1	-	1	1	1	-	1	55,800	-	-
Impairment because of drugs or alcohol	1	0.0	1	-	-	-	1	-	12,000	-	-
Radio communication, failure to comply	5	0.2	1	3	1	-	2	3	107,827	-	-
Radio comm., failure to give/receive	2	0.1	-	1	1	-	-	2	34,535	-	-
Fixed signal (other than automatic block or interlocking signal), failure to comply.	6	0.3	1	3	2	5	-	1	2,181,758	-	4
Automatic block or interlocking signal displaying a stop indication - failure to comply.*	10	0.5	4	5	1	5	5	-	968,727	1	7
Car(s) shoved out & left out of clear	4	0.2	-	1	3	1	3	-	256,987	-	-
Cars left foul	19	0.9	5	-	14	1	11	7	544,718	-	2
Derail, failure to apply or remove	19	0.9	-	19	-	-	16	3	783,545	-	-
Instruction to trn/ yd crew improper	5	0.2	1	1	3	-	4	1	465,042	-	-
Shoving movement, absence of man	63	3.0	19	28	16	1	56	6	2,958,252	-	3
Shoving movement, failure to control	66	3.2	14	37	15	3	53	10	3,306,136	-	4
Skate, failure to remove or place	1	0.0	-	1	-	-	1	-	17,660	-	-
Failure to couple	3	0.1	1	1	1	-	3	-	128,956	-	-
Moving cars-load ramp,etc, not in pos	1	0.0	-	-	1	-	-	1	20,250	-	-
Passed couplers	13	0.6	-	9	4	-	13	-	312,451	-	-
Retarder, improper manual operation	3	0.1	-	-	3	-	3	-	57,919	-	-
Manual intervention of classification yard automatic control system modes by operator	1	0.0	-	-	1	-	1	-	14,240	-	-
Humping or cutting off in motion equipment susceptible to damage, or to cause damage to other equipment	2	0.1	-	1	1	-	2	-	47,438	-	-
Kicking or dropping cars, inadequate precautions	23	1.1	8	6	9	1	21	1	581,737	-	-
Other general switching rules	6	0.3	2	3	1	-	4	2	430,882	-	-
Failure to stop train in clear	4	0.2	3	1	-	1	3	-	367,293	-	-
Motor car/ on-trk rules, fail to comply	13	0.6	2	-	11	10	3	-	369,821	-	1
Movement without authority - rr emp	3	0.1	1	1	1	2	1	-	1,306,964	-	3
Fail to comply with trn order, etc.	5	0.2	1	2	2	4	-	1	2,730,588	-	6
Other main track authority causes	-	-	-	-	-	-	-	-	7,500	-	-
Improper train make-up at init term	1	0.0	-	1	-	1	-	-	370,400	-	-
Improper placement of cars in train	1	0.0	-	1	-	-	1	-	10,200	-	-
Buff/slack action excess, trn handling	26	1.3	1	23	2	7	16	3	2,787,671	-	-
Buff/slack action excess, trn make-up	7	0.3	-	6	1	2	5	-	1,927,426	-	-
Lat DB force on curve xcess trn hndlng	4	0.2	-	3	1	1	3	-	243,780	-	-
Lat DB force on curve excess, make-up	9	0.4	-	9	-	6	3	-	709,341	-	-
Lat drawbar force-short/long car combo	2	0.1	-	2	-	-	2	-	99,467	-	-
Improper train inspection	1	0.0	-	1	-	1	-	-	272,127	-	-
Automatic brake, excessive	2	0.1	-	2	-	-	2	-	123,230	-	-
Automatic brake, other improper use	2	0.1	-	2	-	1	1	-	635,770	-	-
Fail to allow air brks to release	7	0.3	-	7	-	2	3	2	503,984	-	-
Fail to cut-in brake valves-loco	2	0.1	1	1	-	-	2	-	27,619	-	-

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Dynamic brake, excessive	2	0.1	-	2	-	-	2	-	151,438	-	-
Dynamic brake, too rapid adjustment	2	0.1	-	2	-	2	-	-	276,982	-	-
Dynamic brake, other improper use	2	0.1	-	2	-	1	1	-	26,438	-	-
Throttle (power), too rapid adjustment	2	0.1	-	2	-	-	2	-	44,257	-	-
Excessive horsepower	2	0.1	-	2	-	-	1	1	130,338	-	-
Independent brake, improper use	2	0.1	-	2	-	1	1	-	112,092	-	-
Failure to actuate off independent brk	3	0.1	-	3	-	3	-	-	206,506	-	1
Other train handling / makeup	4	0.2	1	1	2	1	3	-	339,213	-	-
Coupling speed excessive	7	0.3	-	2	5	2	4	1	370,079	-	-
Switch movement, excessive speed	3	0.1	-	2	1	1	1	1	595,806	-	-
Train inside yard limits, excess speed	1	0.0	-	1	-	1	-	-	203,190	-	-
Train outside yd limits, excess speed	2	0.1	1	1	-	1	-	1	248,299	-	-
Failure to comply with restricted speed	3	0.1	1	2	-	2	1	-	655,963	-	-
Failure to comply with restricted speed or its equivalent not in connection with a block or interlocking signal.	28	1.3	11	14	3	5	22	1	1,799,645	-	-
Speed, other	1	0.0	-	1	-	1	-	-	690,491	-	-
Switch improperly lined	74	3.6	6	59	9	8	61	5	4,865,766	-	-
Switch not latched or locked	15	0.7	-	15	-	-	15	-	1,632,024	-	1
Switch previously run through	28	1.3	-	27	1	1	20	7	1,018,883	-	-
Moveable point trk frog improper lined	1	0.0	-	1	-	1	-	-	51,840	-	-
Switch improperly lined, radio controlled	2	0.1	1	-	1	-	2	-	80,505	-	-
Radio controlled switch not locked effectively	1	0.0	-	1	-	-	1	-	43,200	-	-
Use of switches, other	3	0.1	-	3	-	2	1	-	155,504	-	-
Tampering - safety / protective device	1	0.0	-	1	-	1	-	-	0	-	-
Human factors - track	3	0.1	1	1	1	2	1	-	322,297	-	3
Human factors - motive power & equipment	4	0.2	-	3	1	1	3	-	101,256	-	-
Oversized loads or Excess Height / Width cars, mis-routed or switched.	2	0.1	-	1	1	1	-	1	72,753	-	-
Motor car or other on-track equipment rules (other than main track authority) - Failure to Comply.	16	0.8	3	-	13	14	1	1	496,374	-	2
Other train operation / human factors	12	0.6	2	6	4	5	5	2	1,204,627	-	6
Total	643	30.9	112	357	174	122	441	80	46,073,325	1	46

MAJOR CAUSE= Signal Defects

Causes	Total		Type of Accident			Type of Track		Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard		Kld	Nonfatal
Radio controlled switch not locked effectively	3	0.1	-	3	-	-	3	157,887	-	-
Classyard autocontrol sys switch fail	7	0.3	-	6	1	-	7	345,871	-	-
Class yd auto ctrl sys retarder fail	10	0.5	2	5	3	-	10	330,151	-	-
Power switch failure	7	0.3	-	7	-	2	5	283,760	-	-
Other communication equipment failure	1	0.0	-	-	1	-	1	40,816	-	-
Computer system design error (vendor)	5	0.2	-	-	5	-	5	203,629	-	-
Classification yard automatic control system - Inadequate / insufficient control	28	1.3	2	6	20	-	28	879,679	-	-
Other signal failures	5	0.2	-	3	2	-	5	378,676	-	-
Radio controlled switch communication failure	1	0.0	-	1	-	-	1	155,458	-	-
Total	67	3.2	4	31	32	2	65	2,775,927	-	-

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Roadbed settled or soft	30	1.4	1	29	-	16	8	6	10,285,038	-	14
Washout /rain/slide/etc. dmg -track	9	0.4	-	7	2	7	1	1	1,589,745	1	1
Other roadbed defects	3	0.1	-	2	1	2	1	-	218,729	-	-
Cross level of track irregular(joints)	12	0.6	-	12	-	6	5	1	548,039	-	-
Cross level track irreg.(not at joints)	13	0.6	-	12	1	5	6	2	4,617,213	-	-
Deviate frm uniform top of rail profile	6	0.3	-	5	1	1	4	1	2,154,140	-	-
Superelevation improper, excessive,etc.	4	0.2	-	4	-	4	-	-	536,145	-	-
Trk alignmnt irreg-not buckled/sunkink	9	0.4	-	9	-	3	3	3	1,298,193	-	-
Track alignment irreg(buckled/sunkink)	37	1.8	-	37	-	29	3	5	17,089,992	-	-
Wide gage(defective /missing crossties)	96	4.6	-	95	1	18	46	32	5,686,569	-	1
Wide gage(spikes/other rail fasteners)	29	1.4	-	29	-	1	14	14	2,255,736	-	-
Wide gage(loose,broke, etc, gage rods)	6	0.3	-	6	-	1	4	1	425,855	-	-
Wide gage (due to worn rails)	7	0.3	-	7	-	-	5	2	161,053	-	-
Other track geometry defects	5	0.2	-	5	-	-	3	2	373,204	-	-
Bolt hole crack or break	6	0.3	-	6	-	2	3	1	1,503,682	-	-
Broken base of rail	18	0.9	-	18	-	5	10	3	1,608,830	-	-
Broken weld (field)	6	0.3	-	6	-	5	1	-	5,460,860	-	2
Defective or missing crossties	13	0.6	-	13	-	1	7	5	1,117,112	-	-
Defect /missing spike-oth rail fastener	2	0.1	-	2	-	-	1	1	141,168	-	-
Detail fracture - shelling / head check	31	1.5	-	31	-	14	15	2	13,906,556	-	-
Head and web sep(outside jt bar limit)	28	1.3	-	28	-	8	13	7	3,504,939	-	1
Head & web separation-in jt bar limit	3	0.1	-	3	-	2	1	-	843,944	-	-
Horizontal split head	6	0.3	-	6	-	1	3	2	217,405	-	-
Joint bar broken (insulated)	1	0.0	-	1	-	1	-	-	381,735	-	-
Joint bar broken (noninsulated)	2	0.1	-	2	-	1	1	-	917,950	-	-
Mismatched rail-head contour	4	0.2	-	4	-	-	3	1	871,103	-	-
Transverse /compound fissure	60	2.9	-	60	-	21	35	4	13,917,278	-	-
Vertical split head	25	1.2	-	25	-	9	14	2	1,971,538	-	-
Worn rail	5	0.2	-	5	-	2	3	-	484,827	-	-
Other rail and joint bar defects	6	0.3	-	5	1	3	3	-	4,666,404	-	-
Guard rail loose/broken or mislocated	2	0.1	-	2	-	-	1	1	135,463	-	-
Railroad crossing frog, worn or broken	1	0.0	-	1	-	-	1	-	95,920	-	-
Retarder worn, broken, malfunctioning	5	0.2	2	1	2	-	5	-	199,848	-	-
Spring /power swtch mech. malfunction	3	0.1	-	3	-	-	3	-	198,200	-	-
Stock rail worn, broken, disconnected	4	0.2	-	4	-	-	4	-	414,340	-	-
Switch (hand op) stand mechanism defect	7	0.3	-	7	-	-	3	4	512,110	-	-
Swtch connect/operate rod broke /defect	1	0.0	-	1	-	-	1	-	97,450	-	-
Switch damaged or out of adjustment	14	0.7	-	14	-	3	8	3	1,291,059	-	-
Switch lug /crank broken	1	0.0	-	1	-	-	-	1	72,495	-	-
Switch out of adj. insuff. anchoring	2	0.1	-	2	-	-	2	-	57,520	-	-
Switch point worn or broken	58	2.8	-	58	-	11	35	12	3,144,859	-	-
Switch rod worn, bent, broken, etc.	3	0.1	-	3	-	-	3	-	72,071	-	-
Turnout frog (rigid) worn, or broken	3	0.1	-	3	-	1	1	1	3,524,558	-	-
Turnout frog(self guarded)-worn /broken	3	0.1	-	3	-	-	3	-	351,457	-	-
Switch pt gap(btw n swt pt & stock rail)	23	1.1	-	23	-	2	15	6	1,105,252	-	14
Oth frog, switch, trk appliance defect	7	0.3	-	7	-	2	2	3	1,606,525	-	-
Bridge misalignment or failure	1	0.0	-	1	-	1	-	-	115,000	-	-

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Flangeway clogged	1	0.0	-	1	-	-	1	-	15,000	-	-
Engineering design or construction	9	0.4	-	9	-	2	7	-	502,540	-	-
Catenary system defect	34	1.6	-	-	34	32	2	-	929,316	-	-
Other way and structure defect	5	0.2	-	4	1	3	1	1	278,983	-	-
Total	669	32.2	3	622	44	225	314	130	113,474,948	1	33

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Air hose uncoupled or burst	2	0.1	-	2	-	2	-	-	180,534	-	-
Oth brk component dmg,worn,broke,etc.	3	0.1	-	3	-	-	3	-	45,937	-	-
Brake valve malf. (stuck brake, etc.)	2	0.1	-	2	-	-	-	2	66,100	-	-
Rigging down or dragging	7	0.3	-	7	-	1	6	-	1,192,525	-	-
Hand brk broken or defective	1	0.0	-	-	1	-	1	-	75,000	-	-
Other brake defects, (LOCO)	1	0.0	-	1	-	1	-	-	35,800	-	-
Computer controlled brake communication failure (LOCO)	2	0.1	-	-	2	-	2	-	41,955	-	1
Body bolster broken or defective	1	0.0	-	1	-	-	1	-	23,852	-	-
Center sill broken or bent	10	0.5	-	6	4	9	1	-	1,616,836	-	-
Draft sill broken or bent	1	0.0	-	-	1	1	-	-	12,859	-	-
Center plate broken or defective	2	0.1	-	2	-	-	2	-	144,693	-	-
Ctr plate disengaged from truck	2	0.1	-	2	-	-	1	1	132,774	-	-
Side sill broken	1	0.0	-	-	1	1	-	-	35,000	-	-
Other body defects, (CAR)	5	0.2	1	2	2	2	3	-	175,070	-	-
Other body defects, (LOCO)	1	0.0	-	-	1	-	1	-	14,000	-	-
Knuckle broken or defective	7	0.3	2	4	1	-	6	1	557,073	-	-
Coupler mismatch, high/low	1	0.0	-	1	-	1	-	-	52,356	-	-
Coupler drawhead broken or defective	2	0.1	-	2	-	1	1	-	135,848	-	-
Coupler retainer pin/cross key missing	7	0.3	-	6	1	6	1	-	342,847	-	-
Draft gear/mechanism broke/defective	3	0.1	-	3	-	2	1	-	330,633	-	-
Coupler carrier broken or defective	1	0.0	-	1	-	1	-	-	70,524	-	-
Coupler shank broken/defective	2	0.1	-	1	1	1	1	-	61,897	-	-
Oth coupler/draft system defects-car	6	0.3	-	5	1	3	3	-	932,257	-	-
Side bearing clearance insufficient	11	0.5	-	11	-	5	6	-	1,066,751	-	-
Side bearing clearance excessive	2	0.1	-	2	-	-	2	-	247,736	-	-
Side bearing(s) missing	1	0.0	-	1	-	-	1	-	13,689	-	-
Truck bolster broken	1	0.0	-	1	-	1	-	-	47,309	-	-
Side frame broken	1	0.0	-	1	-	-	1	-	27,317	-	-
Truck bolster stiff	12	0.6	-	12	-	5	4	3	1,230,804	-	-
Defective snubbing	3	0.1	-	3	-	3	-	-	971,481	-	-
Broken, missing, or defective springs	1	0.0	-	1	-	1	-	-	58,700	-	-
Other truck component defects, (CAR)	3	0.1	-	3	-	2	1	-	301,049	-	-
Other truck component defects, (LOCO)	1	0.0	-	1	-	1	-	-	469,581	-	-
Truck bolster stiff (failure to slew)	4	0.2	-	4	-	-	3	1	199,453	-	-
Truck hunting	1	0.0	-	1	-	1	-	-	1,683,000	-	-
Broken/bent axle between wheel seats	11	0.5	-	11	-	10	-	1	6,798,797	-	-
Journal (plain) failure from overheat	1	0.0	-	1	-	1	-	-	117,645	-	-
Journal (roller bearing) overheating	12	0.6	-	11	1	12	-	-	5,863,065	-	-
Journal fractured, new cold break	5	0.2	-	5	-	5	-	-	9,711,245	-	-

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Oth axle /journal bearing defect-car	5	0.2	-	5	-	5	-	-	502,198	-	-
Broken flange	2	0.1	-	2	-	-	1	1	130,835	-	-
Broken rim	22	1.1	-	20	2	21	1	-	15,582,290	-	-
Broken plate	5	0.2	-	5	-	5	-	-	778,007	-	-
Broken hub	1	0.0	-	1	-	1	-	-	69,400	-	-
Worn Flange	7	0.3	-	7	-	1	4	2	663,838	-	-
Worn flange (LOCO)	2	0.1	-	2	-	2	-	-	322,433	-	-
Damaged flange or tread (build up)	3	0.1	-	3	-	2	1	-	67,779	-	-
Loose wheel	3	0.1	-	3	-	2	1	-	303,487	-	1
Other wheel defects (CAR)	4	0.2	-	3	1	2	1	1	329,953	-	-
Traction motor failure (LOCO)	3	0.1	-	-	3	3	-	-	106,682	-	-
Oil or fuel fire (LOCO)	9	0.4	-	-	9	8	1	-	825,695	-	2
Electrically caused fire (LOCO)	3	0.1	-	-	3	3	-	-	49,671	-	2
Current collector system (LOCO)	3	0.1	-	-	3	3	-	-	111,737	-	-
Pantograph defect (LOCO)	22	1.1	-	-	22	21	1	-	379,654	-	-
Other LOCO defects	2	0.1	-	-	2	2	-	-	9,416	-	-
Box car door (not plug) attach defect	2	0.1	-	-	2	1	1	-	64,134	-	-
Bottom outlet car door open	2	0.1	-	2	-	-	-	2	77,538	-	-
Bottom outlet door attachment defect	1	0.0	-	1	-	-	1	-	112,390	-	-
Other car door defects	2	0.1	-	2	-	1	-	1	98,620	-	-
Other mechanical /electrical failures	3	0.1	-	3	-	1	2	-	69,248	-	-
Other mechanical /electrical fail(LOCO)	2	0.1	-	1	1	2	-	-	520,947	-	3
Total	248	11.9	3	180	65	165	67	16	56,259,944	-	9

MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Other		Kld	Nonfatal
Snow,ice,mud,gravel,coal,etc. on trk	23	1.1	-	20	-	3	11	6	6	3,694,502	-	6
Extreme environmental - TORNADO	5	0.2	-	4	-	1	2	1	2	550,243	-	-
Extreme environmental - FLOOD	6	0.3	-	4	-	2	3	3	-	1,162,717	-	-
Extreme wind velocity	13	0.6	1	8	-	4	9	4	-	2,459,594	-	-
Other extreme environmental conditions	5	0.2	-	3	-	2	2	1	2	3,788,728	-	-
Load shifted	4	0.2	-	4	-	-	-	3	1	225,649	-	-
Load fell from car	1	0.0	-	1	-	-	1	-	-	151,769	-	-
Overloaded car	1	0.0	-	1	-	-	1	-	-	216,796	-	-
Improperly loaded car	10	0.5	1	9	-	-	6	2	2	585,404	-	-
Miscellaneous loading procedures	3	0.1	-	3	-	-	1	-	2	58,631	-	-
Hwy user impairment-drug/alcohol use	1	0.0	-	-	1	-	1	-	-	44,996	-	-
Highway user inattentiveness	83	4.0	-	-	83	-	80	1	2	4,008,584	15	49
Hwy user misjudgement	16	0.8	-	-	16	-	16	-	-	3,871,666	1	25
Highway user cited for violation	37	1.8	-	-	37	-	36	-	1	2,311,362	2	35
Hwy user unaware,environmental factor	1	0.0	-	-	1	-	1	-	-	10,000	-	-
Highway user unable to stop, weather	5	0.2	-	-	5	-	5	-	-	101,063	-	2
Highway user deliberately disregarded crossing warning devices	31	1.5	-	-	31	-	31	-	-	1,172,176	6	72
Other causes (highway-rail collisions)	8	0.4	-	-	8	-	8	-	-	383,343	-	7
Object/equipment (mtr veh) on track	20	1.0	-	-	-	20	19	1	-	642,228	2	4
Livestock on track	1	0.0	-	-	-	1	1	-	-	9,426	-	-
Obj/equip on/fouling track, other	27	1.3	1	9	-	17	18	7	2	3,209,391	2	2
Harmonic rock off, etc.	21	1.0	-	20	-	1	6	13	2	6,661,969	-	-

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2010

MAJOR CAUSE= Miscellaneous

Causes	Total		Type of Accident				Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Other		Kld	Nonfatal
Fire, other than vandalism	7	0.3	-	-	-	7	4	2	1	2,566,049	-	-
Auto hump retarder failed to slow car	15	0.7	1	4	-	10	-	15	-	503,522	-	-
Yard skate slid and failed to stop car	4	0.2	2	2	-	-	1	3	-	59,227	-	-
Lading chains/straps fouling switches	3	0.1	-	3	-	-	1	2	-	237,892	-	-
Passed couplers (automated classification yard)	26	1.3	-	8	-	18	-	26	-	798,635	-	-
Interference(not vandals)with RR op.	8	0.4	-	4	-	4	1	2	5	225,329	1	-
Vandalism of on-track equipment	1	0.0	-	1	-	-	-	1	-	10,000	-	-
Vandalism of track or track appliances	10	0.5	-	9	-	1	2	7	1	428,842	-	2
Fail by non-rr empto control spd of car	1	0.0	-	1	-	-	-	-	1	12,200	-	-
Cause under investigation	12	0.6	-	12	-	-	6	6	-	3,809,723	1	1
Track damage caused by nonrailroad interference with track structure	2	0.1	-	1	-	1	1	1	-	63,496	-	-
Investigation complete, cause could not be determined	14	0.7	-	3	-	11	-	12	2	491,852	-	-
Other miscellaneous causes	27	1.3	3	13	-	11	8	15	4	1,927,645	-	2
Total	452	21.7	9	147	182	114	282	134	36	46,454,649	30	207

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-10 TRAIN ACCIDENTS BY TYPE OF TRACK AND CLASS, 2010

Track & Class		Total		Type of Accident				Reportable	Casualties		Causes					
		Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Main	1	83	4.0	-	69	2	12	6,954,378	1	6	10	2	25	9	1	36
	2	127	6.1	7	96	8	16	25,203,618	3	13	20	8	28	10	-	61
	3	139	6.7	4	68	27	40	34,125,102	2	26	39	27	22	22	-	29
	4	310	14.9	10	124	100	76	89,752,898	16	156	70	100	36	45	1	58
	5	89	4.3	1	29	41	18	30,360,100	7	65	18	41	7	11	-	12
	6	7	0.3	1	-	-	6	178,860	2	1	-	-	-	3	-	4
	?	14	0.7	-	-	-	14	289,057	1	-	6	-	-	2	-	6
	X	27	1.3	1	26	-	-	2,404,680	-	-	2	-	4	2	-	19
	-Sub	796	38.3	24	412	178	182	189,268,693	32	267	165	178	122	104	2	225
Yard	1	935	45.0	82	659	1	193	53,502,970	-	19	59	1	406	124	58	287
	2	47	2.3	5	29	-	13	3,723,836	-	-	4	-	17	6	5	15
	3	3	0.1	-	2	-	1	381,577	-	-	-	-	2	-	-	1
	4	4	0.2	1	2	-	1	419,767	-	-	1	-	-	2	-	1
	5	2	0.1	-	1	-	1	70,156	-	-	-	-	2	-	-	-
	?	1	0.0	-	1	-	-	21,973	-	-	-	-	1	-	-	-
	X	29	1.4	5	21	-	3	1,616,032	-	-	3	-	13	1	2	10
	-Sub	1,021	49.1	93	715	1	212	59,736,311	-	19	67	1	441	133	65	314
Siding	1	29	1.4	-	24	-	5	2,183,084	-	1	2	-	9	5	-	13
	2	11	0.5	1	9	-	1	2,474,624	-	-	4	-	3	-	-	4
	3	2	0.1	-	2	-	-	314,163	-	-	-	-	1	-	-	1
	4	2	0.1	-	2	-	-	1,096,487	-	-	1	-	-	-	-	1
	X	3	0.1	-	2	1	-	131,875	-	1	-	1	-	-	-	2
	-Sub	47	2.3	1	39	1	6	6,200,233	-	2	7	1	13	5	-	21
Industry	1	184	8.9	13	145	1	25	8,733,432	-	4	8	1	57	22	-	96
	2	4	0.2	-	3	-	1	171,419	-	-	-	-	4	-	-	-
	4	1	0.0	-	1	-	-	40,201	-	-	-	-	-	-	-	1
	X	24	1.2	-	21	1	2	674,405	-	2	1	1	5	6	-	11
	-Sub	213	10.2	13	170	2	28	9,619,457	-	6	9	2	66	28	-	108
Other	?	2	0.1	-	1	-	1	214,099	-	1	-	-	1	-	-	1
	-Sub	2	0.1	-	1	-	1	214,099	-	1	-	-	1	-	-	1
Total		2,079	100	131	1,337	182	429	265,038,793	32	295	248	182	643	270	67	669

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-11 TRAIN ACCIDENTS BY TYPE OF TRACK AND CONSIST SPEED, 2010

Track - Spd Rng		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Main	?	20	1.0	1	5	2	12	1,667,186	-	2	8	2	1	7	-	2
	1 - 9	157	7.6	5	123	3	26	10,321,954	1	1	17	3	60	16	1	60
	10-19	129	6.2	6	97	10	16	18,579,129	1	18	25	10	30	18	1	45
	20-29	137	6.6	7	88	22	20	44,824,112	1	40	39	22	16	14	-	46
	30-39	86	4.1	1	32	33	20	27,850,698	2	30	24	33	5	12	-	12
	40-49	126	6.1	1	55	44	26	61,511,110	7	54	36	44	4	14	-	28
	50-59	59	2.8	1	9	31	18	15,817,612	5	39	5	31	4	9	-	10
	60-69	32	1.5	1	3	16	12	6,852,851	6	34	4	16	1	4	-	7
	>= 70	50	2.4	1	-	17	32	1,844,041	9	49	7	17	1	10	-	15
	-Sub	796	38.3	24	412	178	182	189,268,693	32	267	165	178	122	104	2	225
Yard	?	28	1.3	3	7	-	18	2,462,567	-	1	1	-	10	16	-	1
	1 - 9	870	41.8	77	635	1	157	46,081,502	-	9	60	1	383	97	49	280
	10-19	121	5.8	11	73	-	37	11,144,018	-	9	6	-	47	19	16	33
	20-29	1	0.0	1	-	-	-	38,224	-	-	-	-	1	-	-	-
	40-49	1	0.0	1	-	-	-	10,000	-	-	-	-	-	1	-	-
	-Sub	1,021	49.1	93	715	1	212	59,736,311	-	19	67	1	441	133	65	314
Siding	?	5	0.2	-	2	-	3	333,940	-	1	-	-	1	4	-	-
	1 - 9	28	1.3	-	25	1	2	1,759,904	-	1	4	1	7	1	-	15
	10-19	8	0.4	1	7	-	-	1,467,419	-	-	1	-	3	-	-	4
	20-29	6	0.3	-	5	-	1	2,638,970	-	-	2	-	2	-	-	2
	-Sub	47	2.3	1	39	1	6	6,200,233	-	2	7	1	13	5	-	21
Industry	?	2	0.1	-	1	-	1	427,739	-	-	-	-	1	1	-	-
	1 - 9	196	9.4	13	156	2	25	7,412,283	-	6	9	2	59	25	-	101
	10-19	14	0.7	-	12	-	2	654,977	-	-	-	-	6	1	-	7
	20-29	1	0.0	-	1	-	-	1,124,458	-	-	-	-	-	1	-	-
	-Sub	213	10.2	13	170	2	28	9,619,457	-	6	9	2	66	28	-	108
Other	1 - 9	2	0.1	-	1	-	1	214,099	-	1	-	-	1	-	-	1
	-Sub	2	0.1	-	1	-	1	214,099	-	1	-	-	1	-	-	1
Total		2,079	100	131	1,337	182	429	265,038,793	32	295	248	182	643	270	67	669

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-12 TRAIN ACCIDENTS BY WEATHER CONDITION, 2010

Conditions		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Dawn	Clear	51	2.5	2	37	2	10	6,538,038	-	1	4	2	15	9	3	18
	Cloudy	19	0.9	-	16	2	1	3,505,081	-	3	1	2	8	1	-	7
	Rain	10	0.5	-	6	1	3	575,027	-	-	-	1	2	1	-	6
	Fog	3	0.1	1	1	1	-	234,640	-	-	-	1	2	-	-	-
	Snow	2	0.1	-	1	-	1	575,295	-	-	1	-	1	-	-	-
	-- Sub	85	4.1	3	61	6	15	11,428,081	-	4	6	6	28	11	3	31
Day	Clear	793	38.1	46	484	114	149	96,803,118	17	194	94	114	218	81	19	267
	Cloudy	242	11.6	15	152	28	47	25,671,269	4	20	38	28	60	28	8	80
	Rain	64	3.1	-	33	4	27	5,689,959	2	5	6	4	13	16	2	23
	Fog	5	0.2	-	4	1	-	971,464	-	-	-	1	-	1	-	3
	Sleet	2	0.1	-	1	-	1	55,095	-	-	-	-	-	1	-	1
	Snow	18	0.9	1	12	1	4	903,950	2	1	1	1	3	7	-	6
	-- Sub	1,124	54.1	62	686	148	228	130,094,855	25	220	139	148	294	134	29	380
Dusk	Clear	39	1.9	-	23	3	13	4,985,992	-	3	2	3	12	6	4	12
	Cloudy	22	1.1	4	13	-	5	7,537,620	-	2	2	-	9	2	1	8
	Rain	6	0.3	-	4	-	2	608,767	-	-	1	-	1	3	-	1
	Fog	1	0.0	-	1	-	-	6,000	-	-	-	-	-	-	-	1
	Snow	3	0.1	-	2	-	1	580,663	-	-	1	-	-	1	-	1
	-- Sub	71	3.4	4	43	3	21	13,719,042	-	5	6	3	22	12	5	23
Dark	Clear	490	23.6	34	329	15	112	57,789,117	5	35	57	15	192	67	22	137
	Cloudy	177	8.5	14	130	3	30	30,772,853	2	19	24	3	57	27	6	60
	Rain	79	3.8	6	55	2	16	7,214,475	-	2	10	2	29	15	1	22
	Fog	21	1.0	4	12	2	3	8,508,402	-	5	1	2	9	2	1	6
	Sleet	2	0.1	2	-	-	-	62,285	-	1	-	-	2	-	-	-
	Snow	30	1.4	2	21	3	4	5,449,683	-	4	5	3	10	2	-	10
	-- Sub	799	38.4	62	547	25	165	109,796,815	7	66	97	25	299	113	30	235
Total		2,079	100	131	1,337	182	429	265,038,793	32	295	248	182	643	270	67	669

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track

TABLE 5-13 TRAIN ACCIDENTS BY CONSIST LENGTH, 2010

Length	Consists		Type of Accident				Equipment Damage		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Eqp	HRC	Hmn	Othr	Sig	Trk
1	182	7.5	30	37	6	109	4,139,151	2.2	6	6	99	33	28	10
2-5	283	11.6	43	109	22	109	10,341,730	5.6	14	22	136	50	27	34
6-10	227	9.3	25	82	20	100	9,431,400	5.1	33	20	76	31	2	65
11-15	124	5.1	16	66	8	34	5,002,514	2.7	3	8	52	18	2	41
16-20	81	3.3	9	54	3	15	2,057,652	1.1	3	3	38	4	2	31
21-25	104	4.3	11	70	4	19	3,374,331	1.8	7	4	42	12	3	36
26-30	84	3.5	7	59	4	14	2,398,718	1.3	6	4	31	9	5	29
31-35	83	3.4	9	60	1	13	3,148,313	1.7	4	1	32	10	3	33
36-40	76	3.1	9	48	6	13	2,648,789	1.4	7	6	26	7	4	26
41-45	66	2.7	10	41	3	12	2,586,308	1.4	8	3	32	4	3	16
46-50	69	2.8	10	43	8	8	2,759,826	1.5	6	8	23	10	1	21
51-60	124	5.1	5	95	10	14	4,363,902	2.4	13	10	29	17	5	50
61-70	101	4.2	8	71	8	14	9,168,202	5.0	8	8	32	23	3	27
71-80	133	5.5	8	93	14	18	11,935,570	6.5	14	14	37	17	2	49
81-90	106	4.4	11	71	11	13	10,338,552	5.6	18	11	36	9	3	29
91-100	110	4.5	11	79	8	12	16,998,984	9.2	24	8	25	11	3	39
101-110	158	6.5	9	109	23	17	25,635,436	13.9	19	23	39	16	2	59
111-120	95	3.9	4	76	7	8	14,484,890	7.9	20	7	33	9	1	25
121-130	98	4.0	6	73	6	13	17,079,949	9.3	24	6	22	9	-	37
131-140	86	3.5	5	67	7	7	23,102,738	12.5	15	7	16	9	-	39
141-150	16	0.7	-	9	3	4	1,368,566	0.7	1	3	4	3	-	5
>= 151	25	1.0	2	18	-	5	1,761,298	1.0	8	-	8	4	-	5
Total	2,431	100	248	1,430	182	571	184,126,819	100.0	261	182	868	315	99	706

*Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track
Counts are higher since multiple consists may be involved.*

TABLE 5-14 TRAIN ACCIDENTS BY TYPE OF TRACK AND CONSIST, 2010

Track - Equipment		Consists			Type of Accident				Primary Cause						
		Cnt	%	Avg Len.	Coll	Der	HRC	Othr	Eqp	HRC	Hmn	Othr	Sig	Trk	
Main	Freight Train	591	24.3	87	16	349	126	59	120	126	71	61	1	171	
	Psgr Train	114	4.7	8	3	8	17	60	25	17	6	17	-	23	
	Commuter Train	36	1.5	8	-	3	9	18	2	9	1	7	-	11	
	Work Train	16	0.7	46	-	11	3	1	3	3	1	5	-	3	
	Single Car	2	0.1	1	-	-	-	-	-	-	-	-	-	-	
	Cut of Cars	12	0.5	28	1	3	-	2	-	-	3	3	-	-	
	Yard/ Switch	22	0.9	41	-	15	1	3	2	1	6	2	1	7	
	Light loco(s)	12	0.5	2	-	3	3	3	-	3	5	1	-	-	
	Maint/ Insp car	18	0.7	1	1	2	2	7	-	2	8	2	-	-	
	Spec MOW Eqp	27	1.1	1	2	2	1	13	2	1	13	2	-	-	
	-Sub total	850	35.0	65	23	396	162	166	154	162	114	100	2	215	
Yard	Freight Train	357	14.7	76	20	257	1	19	18	1	112	19	4	143	
	Psgr Train	16	0.7	7	1	6	-	7	1	-	4	5	-	4	
	Commuter Train	13	0.5	7	-	9	-	4	-	-	8	1	-	4	
	Work Train	8	0.3	29	1	5	-	1	1	-	1	2	-	3	
	Single Car	88	3.6	1	4	8	-	35	2	-	12	16	14	3	
	Cut of Cars	121	5.0	20	7	30	-	30	4	-	29	15	12	7	
	Yard/ Switch	601	24.7	41	47	328	-	99	39	-	215	68	34	118	
	Light loco(s)	77	3.2	2	11	38	-	10	1	-	42	5	-	11	
	Maint/ Insp car	4	0.2	1	-	1	-	2	-	-	3	-	-	-	
	Spec MOW Eqp	2	0.1	1	-	-	-	2	-	-	2	-	-	-	
	-Sub total	1,287	52.9	43	91	682	1	209	66	1	428	131	64	293	
Siding	Freight Train	35	1.4	78	1	29	1	1	6	1	8	1	-	16	
	Psgr Train	1	0.0	15	-	-	-	-	-	-	-	-	-	-	
	Single Car	1	0.0	1	-	-	-	1	-	-	-	1	-	-	
	Cut of Cars	6	0.2	15	-	4	-	1	1	-	1	2	-	1	
	Yard/ Switch	3	0.1	39	-	3	-	-	-	-	-	-	-	3	
	Light loco(s)	2	0.1	2	-	1	-	-	-	-	-	-	-	1	
	Spec MOW Eqp	4	0.2	1	-	1	-	2	-	-	2	1	-	-	
	-Sub total	52	2.1	57	1	38	1	5	7	1	11	5	-	21	
Industry	Freight Train	118	4.9	59	4	89	1	10	5	1	30	16	-	52	
	Work Train	3	0.1	62	-	2	-	-	-	-	-	1	-	1	
	Single Car	5	0.2	1	1	1	-	-	-	-	2	-	-	-	
	Cut of Cars	20	0.8	23	2	4	-	4	-	-	6	2	-	2	
	Yard/ Switch	82	3.4	32	4	61	1	13	3	1	21	8	-	46	
	Light loco(s)	9	0.4	2	2	5	-	-	-	-	4	1	-	2	
	Maint/ Insp car	2	0.1	1	-	-	-	1	-	-	1	-	-	-	
	-Sub total	239	9.8	43	13	162	2	28	8	2	64	28	-	103	
Other	Freight Train	1	0.0	43	-	-	-	1	-	-	1	-	-	-	
	Cut of Cars	1	0.0	40	-	-	-	-	-	-	-	-	-	-	
	Yard/ Switch	1	0.0	34	-	1	-	-	-	-	-	-	-	1	
	-Sub total	3	0.1	39	-	1	-	1	-	-	1	-	-	1	
Total		2,431	100	51	128	1,279	166	409	235	166	618	264	66	633	

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track
Counts are higher since multiple consists may be involved.

TABLE 5-15 TRAIN ACCIDENTS BY CONSIST LENGTH AND TYPE OF CONSIST, 2010

Length	Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard / Switch	Light loco(s)	Maint / Insp car	Spec MOW Eqp
1	-	-	1	-	94	-	1	31	24	31
2-5	25	32	12	3	2	56	87	64	-	2
6-10	21	80	27	3	-	22	69	5	-	-
11-15	23	17	8	1	-	16	59	-	-	-
16-20	27	1	1	-	-	6	46	-	-	-
21-25	39	-	-	-	-	13	52	-	-	-
26-30	35	-	-	4	-	8	37	-	-	-
31-35	29	-	-	4	-	12	38	-	-	-
36-40	34	-	-	-	-	7	35	-	-	-
41-45	27	1	-	-	-	1	37	-	-	-
46-50	36	-	-	1	-	4	28	-	-	-
51-60	74	-	-	4	-	4	42	-	-	-
61-70	56	-	-	2	-	3	40	-	-	-
71-80	97	-	-	2	-	1	33	-	-	-
81-90	73	-	-	1	-	2	30	-	-	-
91-100	84	-	-	-	-	2	24	-	-	-
101-110	134	-	-	1	-	1	22	-	-	-
111-120	84	-	-	1	-	2	8	-	-	-
121-130	89	-	-	-	-	-	9	-	-	-
131-140	81	-	-	-	-	-	5	-	-	-
141-150	14	-	-	-	-	-	2	-	-	-
>= 151	20	-	-	-	-	-	5	-	-	-
Total	1,102	131	49	27	96	160	709	100	24	33

Coll = collision, Der = derailment, HRC = highway-rail crossing, Othr = other
 EQP = equipment(ontrack), HMN = human factor, SIG = signal, TRK = track
 Counts are higher since multiple consists may be involved.

TABLE 5-16 INVOLVEMENT IN TRAIN ACCIDENTS BY TYPE OF CONSIST, 2010

Type Equipment	Total		Type of Accident				Type of Track					Causes						
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry	Other	Eqp	HRC	Hmn	Othr	Sig	Trk	
Freight Train	1,071	46.5	54	777	130	110	575	344	34	117	1	159	130	265	100	6	411	
Psgr Train	127	5.5	5	16	30	76	111	15	1	-	-	27	30	11	29	-	30	
Commuter Train	49	2.1	-	12	11	26	36	13	-	-	-	5	11	9	8	-	16	
Work Train	27	1.2	2	20	3	2	16	8	-	3	-	4	3	4	8	-	8	
Single Car	80	3.5	13	13	-	54	2	72	1	5	-	2	-	31	22	20	5	
Cut of Cars	152	6.6	21	65	-	66	11	115	6	19	1	7	-	79	30	17	19	
Yard/ Switch	657	28.5	70	441	2	144	22	549	3	82	1	48	2	284	92	41	190	
Light loco(s)	95	4.1	22	53	3	17	12	73	2	8	-	1	3	68	8	-	15	
Maint/ Insp car	19	0.8	3	3	2	11	15	3	-	1	-	-	2	15	2	-	-	
Spec MOW Eqp	26	1.1	4	3	1	18	21	2	3	-	-	2	1	19	4	-	-	
Total	2,303	100	194	1,403	182	524	821	1,194	50	235	3	255	182	785	303	84	694	

TABLE 5-17 DAMAGE BY TRACK TYPE, 2010

Track	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Main	189,268,693	195,324	133,017,161	137,273	56,251,532	58,051
Yard	59,736,311	43,956	39,792,665	29,281	19,943,646	14,675
Siding	6,200,233	110,718	4,094,363	73,114	2,105,870	37,605
Industry	9,619,457	38,172	7,085,808	28,118	2,533,649	10,054
Other	214,099	42,820	138,098	27,620	76,001	15,200
Total	265,038,793	100,355	184,128,095	69,719	80,910,698	30,636

TABLE 5-18 DAMAGE BY CONSIST TYPE, 2010

Type Equipment	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Freight Train	203,976,021	185,096	142,754,246	129,541	61,221,775	55,555
Psgr Train	10,164,801	77,594	10,028,549	76,554	136,252	1,040
Commuter Train	1,905,187	38,881	1,702,267	34,740	202,920	4,141
Work Train	1,623,263	60,121	652,867	24,180	970,396	35,941
Single Car	1,633,507	17,016	1,480,538	15,422	152,969	1,593
Cut of Cars	4,675,957	29,225	4,374,932	27,343	301,025	1,881
Yard/ Switch	28,767,178	40,574	18,826,262	26,553	9,940,916	14,021
Light loco(s)	3,116,439	31,164	2,519,338	25,193	597,101	5,971
Maint/ Insp car	573,103	23,879	521,463	21,728	51,640	2,152
Spec MOW Eqp	1,319,313	39,979	1,266,357	38,374	52,956	1,605
Other	7,284,024	34,686	1,276	6	7,282,748	34,680
Total	265,038,793	100,355	184,128,095	69,719	80,910,698	30,636

If more than one consist of same type in accident, then only one is counted. For example, a collision between two freight trains would be counted as one freight train.

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CHAPTER 6

TRAIN ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIALS

Hazardous materials are any substances or materials, including a hazardous substance, which have been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, or property when transported in commerce, and which have been so designated.

An incident resulting in damage to cars transporting hazardous materials, or causing a release of the hazardous materials, is not of and by itself a basis for reporting to FRA under the accident/incident rules. First, the incident must satisfy the criteria for train accident reporting described in the previous chapter. Namely, there must be total reportable damage to the rail equipment and track above the threshold. The reporting threshold for CYs 1991–1996 was \$6,300; CY 1997, \$6,500; CYs 1998–2001, \$6,600; CYs 2002–2005, \$6,700; CY 2006, \$7,700; CY 2007, \$8,200; CY 2008, \$8,500; CY 2009, \$8,900; and CY 2010, \$9,200.

All evacuations, including precautionary ones, in response to a potential release of hazardous materials are required to be reported even if an actual release did not occur.

Additional information concerning any unintentional release of hazardous materials during transportation by rail or other modes is available through the Research and Special Programs Administration within the U.S. Department of Transportation.

CONTENTS**CHAPTER 6****TRAIN ACCIDENTS INVOLVING CONSISTS TRANSPORTING
HAZARDOUS MATERIALS**

Tables	Title	Page
6-1	Consists Transporting Hazardous Materials, by Railroad, 2010	87
6-2	Consists Transporting Hazardous Materials, by State, 2010	88
6-3	Consists Transporting Hazardous Materials, by Subcause, 2010	89
6-4	Consists Transporting Hazardous Materials, by Accident Type, 2010	89

TABLE 6-1 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY RAILROAD, 2010

Railroad	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Burlington Northern Santa Fe	184	69	8	12,407	2,814	164	9	4	209
Buffalo & Pittsburg	1	1	-	10	1	1	-	-	-
Belt Rwy Of Chicago	9	8	-	186	15	13	-	-	-
Canadian National	47	24	1	3,181	673	72	1	1	50
Canadian Pacific	15	5	-	1,259	197	23	-	-	-
Conrail Shared Assets	5	2	-	38	11	2	-	-	-
CSX Transportation	104	38	1	6,196	1,370	93	1	-	-
Florida East Coast	2	-	-	116	6	-	-	-	-
Guilford Rail System	1	-	-	68	2	-	-	-	-
Other Railroads	50	32	4	1,721	668	116	7	2	65
Indiana Harbor Belt	2	-	-	134	15	-	-	-	-
Kansas City Southern	14	2	-	1,002	234	4	-	-	-
Long Island Rail Road	-	-	-	-	0	0	0	-	800
Montana Rail Link	1	-	-	101	26	-	-	-	-
Norfolk Southern Corp.	33	28	5	2,456	396	79	19	3	558
Port Terminal RR Assn	5	4	-	107	53	9	-	-	-
Term RR Assn Of St. Louis	1	1	-	44	3	1	-	-	-
Union Pacific	145	53	4	10,548	1,964	146	5	-	-
Wheeling & Lake Erie	2	1	-	51	23	2	-	-	-
Total	621	268	23	39,625	8,471	725	42	10	1,682

TABLE 6-2 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY STATE, 2010

States	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alabama	15	11	2	760	203	36	2	-	-
Arizona	10	5	-	573	129	38	-	-	-
Arkansas	11	2	-	924	266	7	-	-	-
California	26	18	1	1,730	435	34	1	1	35
Colorado	10	4	-	627	190	11	-	-	-
Connecticut	4	4	-	192	182	16	-	-	-
Delaware	1	1	-	44	5	5	-	-	-
Florida	4	-	-	407	80	-	-	-	-
Georgia	25	8	2	1,434	194	24	6	1	59
Idaho	7	3	-	371	25	8	-	-	-
Illinois	55	24	1	3,192	580	52	1	-	-
Indiana	11	8	-	538	68	12	-	-	-
Iowa	24	8	-	1,513	321	28	-	-	-
Kansas	20	4	-	1,257	222	5	-	-	-
Kentucky	8	3	-	487	113	6	-	-	-
Louisiana	28	12	-	2,237	698	31	-	1	50
Maine	4	2	-	116	20	4	-	-	-
Maryland	7	3	-	367	52	5	-	-	-
Massachusetts	1	1	-	41	1	1	-	-	-
Michigan	6	2	-	443	47	4	-	1	50
Minnesota	18	6	-	1,309	158	12	-	-	-
Mississippi	6	4	2	425	108	9	4	-	-
Missouri	13	6	1	1,069	221	9	1	1	80
Montana	10	5	1	764	157	17	1	1	15
Nebraska	18	8	1	1,538	314	32	2	-	-
Nevada	4	2	-	332	88	5	-	-	-
New Jersey	4	2	-	14	4	2	-	-	-
New Mexico	7	2	-	469	121	11	-	-	-
New York	9	3	-	697	101	6	0	-	800
North Carolina	10	6	-	667	82	7	-	-	-
North Dakota	9	2	1	594	140	16	1	-	-
Ohio	22	12	1	1,465	212	35	7	1	28
Oklahoma	15	8	1	894	110	15	1	-	-
Oregon	4	2	-	226	104	19	-	-	-
Pennsylvania	6	4	-	333	35	6	-	-	-
South Carolina	7	2	1	331	59	10	5	1	471
Tennessee	18	8	1	1,101	248	20	1	-	-
Texas	102	42	3	6,362	1,580	123	4	1	80
Utah	8	1	-	415	90	5	-	-	-
Vermont	1	1	-	30	7	3	-	-	-
Virginia	5	2	-	393	157	7	-	-	-
Washington	23	7	1	1,356	235	14	1	-	-
West Virginia	6	3	-	190	102	4	-	-	-
Wisconsin	12	5	1	737	95	7	1	1	14
Wyoming	7	2	2	661	112	4	3	-	-
Total	621	268	23	39,625	8,471	725	42	10	1,682

TABLE 6-3 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY SUBCAUSE, 2010

Causes	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Brakes	5	1	1	385	73	3	1	-	-
Body	7	2	-	606	129	2	-	-	-
Coupler & Draft System	15	5	1	1,311	192	13	1	-	-
Truck Components	14	7	2	1,132	251	18	6	1	471
Axles & Journal Bearings	10	6	1	818	86	9	1	1	14
Wheels	10	3	1	891	219	37	7	1	28
Locomotives	5	-	-	512	119	-	-	-	-
Doors	3	-	-	163	51	-	-	-	-
Other Mechanical	1	1	-	79	22	1	-	-	-
Brakes, Use of	39	22	-	1,043	258	54	-	-	-
Flagging, Fixed, Hand & Radio	4	2	-	206	72	6	-	-	-
General Switching Rules	96	48	-	4,934	1,200	101	-	1	50
Main Track Authority	7	1	-	493	213	2	-	-	-
Train Handling / Makeup	41	12	1	4,124	528	27	2	1	80
Speed	7	2	-	472	155	3	-	-	-
Switches, Use of	34	17	2	2,348	513	64	3	-	-
Miscellaneous Human Factors	4	3	-	169	15	8	-	-	-
Environmental Conditions	17	7	1	856	150	20	1	-	-
Loading Procedures	3	3	-	111	25	13	-	-	-
Highway-Rail Incidents	47	4	2	3,664	1,004	11	2	-	-
Unusual Operational Situations	33	11	2	1,916	254	18	4	-	800
Other Miscellaneous Causes	10	3	-	765	154	11	-	-	-
Signal Defects	29	10	1	954	196	20	1	-	-
Roadbed	6	4	-	336	114	9	-	-	-
Track Geometry	60	33	4	3,784	822	87	4	1	35
Rail, Joint Bar & Anchors	70	43	2	4,742	1,166	140	6	3	124
Frogs, Switches, Appliances	39	16	1	2,406	389	42	2	1	80
Other Track Defects	5	2	1	405	101	6	1	-	-
Total	621	268	23	39,625	8,471	725	42	10	1,682

TABLE 6-4 CONSISTS TRANSPORTING HAZARDOUS MATERIALS, BY ACCIDENT TYPE, 2010

Type Accident	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Derailments	398	184	20	27,660	5,529	548	39	8	752
Rear end collision	3	-	-	208	83	-	-	-	-
Side collision	50	23	-	2,501	700	49	-	1	50
Raking collision	22	13	-	646	135	24	-	-	-
Broken train coll.	3	1	-	242	33	2	-	-	-
Highway-rail Impact	47	4	2	3,664	1,004	11	2	-	-
Obstruction impact	9	1	1	833	102	1	1	-	800
Explosion / detonation	1	1	-	99	7	2	-	1	80
Fire / violent rupture	4	-	-	423	69	-	-	-	-
Other impacts	76	36	-	2,856	605	76	-	-	-
Other events	8	5	-	493	204	12	-	-	-
Total	621	268	23	39,625	8,471	725	42	10	1,682

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CHAPTER 7

HIGHWAY-RAIL GRADE INCIDENTS

Any impact, regardless of severity, between a railroad on-track equipment consist and any user of a public or private crossing site is to be reported on Form FRA F6180.57. The crossing site includes sidewalks and pathways at, or associated with, the crossing.

In addition, whenever a highway-rail grade crossing accident/incident results in reportable damages greater than the current reporting threshold used for rail equipment accident/incident reporting, a Form FRA F6180.54 must be completed. The reporting threshold for CYs 1991–1996 was \$6,300; CY 1997, \$6,500; CYs 1998–2001, \$6,600; CYs 2002–2005, \$6,700; CY 2006, \$7,700; CY 2007, \$8,200; CY 2008, \$8,500; CY 2009, \$8,900; and CY 2010, \$9,200.

Highway users include, but are not limited to, automobiles, buses, trucks, motorcycles, bicycles, recreational vehicles, farm vehicles, construction vehicles, roadway maintenance vehicles, and pedestrians.

Suicides or attempted suicides, as determined by a coroner or other public authority, at highway-rail grade crossing sites are not reportable. However, the event may be reportable under other criteria. For example, reportable conditions to others must be recorded on Form FRA F6180.55a, e.g., the engineer sustained a fractured arm.

Incidents involving highway users who have unsuccessfully attempted to avoid striking or being struck by a railroad consist at a crossing site are to be reported, regardless of where the actual impact between the consist and the highway user occurred.

Each reportable casualty resulting from a highway-rail grade crossing impact must also be reported on Form FRA F6180.55a.

If the accident/incident satisfies the reporting requirements for rail equipment accidents (e.g., reportable railroad damage exceeds threshold), Form FRA F6180.54 must also be completed by all railroads involved, including the railroad with track maintenance responsibility.

CONTENTS

CHAPTER 7

HIGHWAY-RAIL GRADE INCIDENTS

Tables	Title	Page
7-1	Total Highway-Rail Grade Incidents, by Railroad, 2010	93
7-2	Total Highway-Rail Grade Incidents, by State, 2010	94
7-3	Total Highway-Rail Grade Casualties, by State and Age Group, 2010	95
7-4	Total Highway-Rail Grade Incidents, by Month, 2010	96
7-5	Total Highway-Rail Grade Incidents, by Day, 2010	97
7-6	Total Highway-Rail Grade Incidents, by Hour of Day, 2010	98
7-7	Total Highway-Rail Grade Incidents, by Type of Highway User, 2010	99
7-8	Total Highway-Rail Grade Incidents, by User, 2010	100
7-9	Total Highway-Rail Grade Incidents, by Warning Device, 2010	101
7-10	Total Highway-Rail Grade Incidents, by Weather, 2010	102

TABLE 7-1 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY RAILROAD, 2010

Railroads				At Public Crossing						At Private Crossing					
	Totals			Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Alaska RR Corp.	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Amtrak	135	44	155	88	15	132	24	20	4	22	9	18	1	-	1
Burlington Northern Santa Fe	297	50	118	219	24	87	34	20	10	43	5	21	1	1	-
Buffalo & Pittsburg	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-
Belt Rwy Of Chicago	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Canadian National	115	11	52	100	9	45	4	1	3	11	1	4	-	-	-
Canadian Pacific	38	1	15	29	1	12	3	-	1	5	-	1	1	-	1
Conrail Shared Assets	8	-	1	7	-	1	-	-	-	1	-	-	-	-	-
CSX Transportation	333	32	122	264	22	98	19	7	7	46	3	16	4	-	1
Florida East Coast	13	4	3	9	2	1	4	2	2	-	-	-	-	-	-
Guilford Rail System	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Other Railroads	247	14	73	199	7	52	17	5	16	30	1	4	1	1	1
Indiana Harbor Belt	3	-	1	3	-	1	-	-	-	-	-	-	-	-	-
Kansas City Southern	63	8	28	55	7	27	-	-	-	8	1	1	-	-	-
Long Island Rail Road	4	-	2	2	-	1	2	-	1	-	-	-	-	-	-
Mass Bay Transit Auth.	3	1	2	3	1	2	-	-	-	-	-	-	-	-	-
Metro North Commuter	3	-	2	1	-	1	-	-	-	2	-	1	-	-	-
Montana Rail Link	5	-	1	3	-	1	1	-	-	1	-	-	-	-	-
Northern IN Comm Trans	10	2	4	10	2	4	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	29	10	10	19	3	8	10	7	2	-	-	-	-	-	-
New Jersey Transit Rail	18	3	6	15	1	5	3	2	1	-	-	-	-	-	-
Norfolk Southern Corp.	286	21	90	230	13	74	9	3	2	47	5	14	-	-	-
Peninsula Comm San Mateo Cnty	7	2	1	2	-	-	5	2	1	-	-	-	-	-	-
Port Terminal RR Assn	6	-	-	5	-	-	-	-	-	1	-	-	-	-	-
Southern CA Reg Rail Auth.	8	2	4	5	1	3	3	1	1	-	-	-	-	-	-
Southeastern PA Trans.	4	-	5	2	-	3	2	-	2	-	-	-	-	-	-
Term RR Assn Of St. Louis	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Union Pacific	369	51	154	287	25	127	32	18	10	48	7	17	2	1	-
Union RR (Pittsburgh)	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	4	1	1	4	1	1	-	-	-	-	-	-	-	-	-
Total	2,017	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-2 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY STATE, 2010

States	Totals			At Public Crossing						At Private Crossing					
				Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Alabama	69	8	29	63	6	27	3	2	1	2	-	-	1	-	1
Alaska	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Arizona	29	7	16	20	2	13	6	4	1	3	1	2	-	-	-
Arkansas	52	9	20	44	6	18	6	3	2	2	-	-	-	-	-
California	127	28	74	74	6	55	43	21	16	10	1	3	-	-	-
Colorado	18	7	6	14	5	6	1	1	-	3	1	-	-	-	-
Connecticut	3	-	1	2	-	1	-	-	-	1	-	-	-	-	-
Delaware	3	-	3	3	-	3	-	-	-	-	-	-	-	-	-
Florida	67	12	41	44	3	19	9	5	12	14	4	10	-	-	-
Georgia	68	7	25	59	4	23	3	1	2	4	2	-	2	-	-
Idaho	16	1	2	12	-	2	-	-	-	4	1	-	-	-	-
Illinois	126	28	40	95	13	29	21	15	5	10	-	6	-	-	-
Indiana	111	9	41	104	6	39	4	2	2	3	1	-	-	-	-
Iowa	55	4	18	46	1	17	3	2	-	6	1	1	-	-	-
Kansas	47	7	21	38	5	19	3	1	-	5	1	2	1	-	-
Kentucky	56	10	23	42	7	18	1	1	-	13	2	5	-	-	-
Louisiana	106	13	67	88	11	64	1	1	-	17	1	3	-	-	-
Maine	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Maryland	13	-	2	10	-	1	-	-	-	3	-	1	-	-	-
Massachusetts	8	1	4	7	1	4	-	-	-	1	-	-	-	-	-
Michigan	52	5	27	43	4	26	3	1	1	6	-	-	-	-	-
Minnesota	43	2	20	37	2	17	3	-	1	2	-	1	1	-	1
Mississippi	47	7	15	39	7	14	4	-	1	4	-	-	-	-	-
Missouri	52	11	25	41	7	20	4	2	2	7	2	3	-	-	-
Montana	19	2	6	11	1	3	1	-	-	7	1	3	-	-	-
Nebraska	31	4	5	19	2	5	2	1	-	10	1	-	-	-	-
Nevada	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
New Jersey	28	3	6	24	1	5	4	2	1	-	-	-	-	-	-
New Mexico	8	4	10	5	2	2	1	1	-	2	1	8	-	-	-
New York	33	2	10	22	2	5	3	-	1	8	-	4	-	-	-
North Carolina	49	1	37	35	1	30	1	-	1	13	-	6	-	-	-
North Dakota	21	2	8	18	1	8	1	1	-	2	-	-	-	-	-
Ohio	74	7	17	63	5	13	2	-	1	9	2	3	-	-	-
Oklahoma	41	5	26	38	4	25	3	1	1	-	-	-	-	-	-
Oregon	22	3	3	13	-	1	5	3	2	4	-	-	-	-	-
Pennsylvania	56	1	16	45	1	11	3	-	3	8	-	2	-	-	-
South Carolina	50	4	16	42	2	13	2	1	1	6	1	2	-	-	-
South Dakota	9	-	2	8	-	2	-	-	-	1	-	-	-	-	-
Tennessee	42	3	10	34	3	6	1	-	-	7	-	4	-	-	-
Texas	213	24	106	170	10	82	15	8	6	27	5	18	1	1	-
Utah	11	3	5	9	2	5	1	1	-	1	-	-	-	-	-
Vermont	4	1	2	3	-	1	-	-	-	-	-	-	1	1	1
Virginia	39	3	13	21	1	9	-	-	-	17	2	4	1	-	-
Washington	38	5	13	24	-	7	3	3	-	9	1	5	2	1	1
West Virginia	23	3	5	11	-	5	4	3	-	8	-	-	-	-	-
Wisconsin	33	1	15	26	-	14	2	1	-	5	-	1	-	-	-
Wyoming	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Total	2,017	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-3 TOTAL HIGHWAY-RAIL GRADE CASUALTIES, BY STATE AND AGE GROUP, 2010

States	Deaths						Nonfatal Cases					
	Age Group				Total		Age Group				Total	
	Unk	< 16	16-21	> 21	Cnt	%	Unk	< 16	16-21	> 21	Cnt	%
Alabama	2	-	-	6	8	3.1	3	-	4	22	29	3.4
Alaska	-	-	-	-	0	0.0	-	-	-	1	1	0.1
Arizona	-	-	-	7	7	2.7	1	1	-	14	16	1.9
Arkansas	-	1	1	7	9	3.5	1	1	1	17	20	2.3
California	3	1	2	22	28	10.9	7	6	10	51	74	8.7
Colorado	-	-	-	7	7	2.7	1	1	-	4	6	0.7
Connecticut	-	-	-	-	0	0.0	1	-	-	-	1	0.1
Delaware	-	-	-	-	0	0.0	-	-	1	2	3	0.4
Florida	-	2	-	10	12	4.7	12	-	-	29	41	4.8
Georgia	-	1	1	5	7	2.7	3	-	6	16	25	2.9
Idaho	-	-	-	1	1	0.4	-	-	-	2	2	0.2
Illinois	-	2	4	22	28	10.9	3	1	6	30	40	4.7
Indiana	-	1	3	5	9	3.5	3	4	5	29	41	4.8
Iowa	-	-	-	4	4	1.6	-	-	1	17	18	2.1
Kansas	-	-	1	6	7	2.7	-	3	2	16	21	2.5
Kentucky	1	-	1	8	10	3.9	2	2	2	17	23	2.7
Louisiana	1	3	3	6	13	5.1	4	-	6	57	67	7.9
Maine	-	-	-	-	0	0.0	-	-	-	1	1	0.1
Maryland	-	-	-	-	0	0.0	-	-	-	2	2	0.2
Massachusetts	-	-	-	1	1	0.4	-	-	-	4	4	0.5
Michigan	1	-	1	3	5	1.9	1	5	5	16	27	3.2
Minnesota	1	-	-	1	2	0.8	-	1	4	15	20	2.3
Mississippi	-	-	1	6	7	2.7	2	1	3	9	15	1.8
Missouri	1	-	-	10	11	4.3	3	-	7	15	25	2.9
Montana	-	-	-	2	2	0.8	-	1	-	5	6	0.7
Nebraska	-	-	-	4	4	1.6	-	-	3	2	5	0.6
New Jersey	-	-	1	2	3	1.2	2	-	-	4	6	0.7
New Mexico	1	1	-	2	4	1.6	1	2	3	4	10	1.2
New York	-	-	-	2	2	0.8	-	-	2	8	10	1.2
North Carolina	-	-	-	1	1	0.4	1	4	3	29	37	4.3
North Dakota	-	-	-	2	2	0.8	1	-	-	7	8	0.9
Ohio	1	-	-	6	7	2.7	3	-	2	12	17	2.0
Oklahoma	-	-	3	2	5	1.9	2	-	4	20	26	3.0
Oregon	-	-	-	3	3	1.2	-	-	-	3	3	0.4
Pennsylvania	1	-	-	-	1	0.4	4	1	1	10	16	1.9
South Carolina	-	-	1	3	4	1.6	-	-	3	13	16	1.9
South Dakota	-	-	-	-	0	0.0	-	-	-	2	2	0.2
Tennessee	-	-	1	2	3	1.2	-	-	1	9	10	1.2
Texas	2	3	2	17	24	9.3	4	3	8	91	106	12.4
Utah	-	-	2	1	3	1.2	-	-	3	2	5	0.6
Vermont	-	-	-	1	1	0.4	-	-	-	2	2	0.2
Virginia	-	-	-	3	3	1.2	1	-	2	10	13	1.5
Washington	-	-	2	3	5	1.9	-	-	1	12	13	1.5
West Virginia	1	-	-	2	3	1.2	2	-	-	3	5	0.6
Wisconsin	-	-	-	1	1	0.4	-	2	4	9	15	1.8
Total	16	15	30	196	257	100.0	68	39	103	643	853	100.0

TABLE 7-4 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY MONTH, 2010

Railroads				At Public Crossing						At Private Crossing					
	Totals			Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
January	198	16	70	162	11	64	9	3	3	27	2	3	-	-	-
February	175	19	86	146	11	77	12	7	4	16	1	5	1	-	-
March	175	29	69	142	16	57	13	11	3	20	2	9	-	-	-
April	138	21	64	101	12	46	15	6	13	19	2	3	3	1	2
May	157	17	81	120	6	68	12	8	3	24	3	10	1	-	-
June	162	21	71	126	11	57	11	4	5	25	6	9	-	-	-
July	155	23	70	113	10	47	13	8	5	29	5	18	-	-	-
August	163	21	85	120	12	68	19	6	11	23	3	5	1	-	1
September	157	25	80	115	11	65	17	8	4	23	4	11	2	2	-
October	195	31	67	144	16	50	25	12	5	25	3	12	1	-	-
November	156	15	48	126	7	43	14	8	3	15	-	1	1	-	1
December	186	19	62	154	11	47	12	7	4	20	1	11	-	-	-
Total	2,017	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-5 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY DAY, 2010

Rail Equipment Struck Highway User

Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	159	7.88	21	73	125	15	58	14	6	6	19	-	8	1	-	1
Monday	233	11.55	37	76	173	16	61	22	12	4	38	9	11	-	-	-
Tuesday	249	12.35	36	105	182	18	77	20	12	5	43	4	21	4	2	2
Wednesday	258	12.79	28	90	199	10	68	24	12	9	34	6	13	1	-	-
Thursday	279	13.83	40	128	210	23	94	24	11	10	43	5	24	2	1	-
Friday	274	13.58	48	160	197	24	140	31	20	6	44	4	13	2	-	1
Saturday	197	9.77	27	58	153	10	51	21	13	3	23	4	4	-	-	-
Total	1,649	81.76	237	690	1,239	116	549	156	86	43	244	32	94	10	3	4

Highway User Struck Rail Equipment

Day					At Public Crossing							At Private Crossing		
	Total Incidents		Total		Motor Vehicle			Other				Motor Vehicle		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	
Sunday	42	2.08	6	23	40	6	13	2	-	10	-	-	-	
Monday	51	2.53	2	20	45	1	18	3	1	1	3	-	1	
Tuesday	63	3.12	3	24	53	2	21	4	1	3	6	-	-	
Wednesday	44	2.18	1	18	38	1	17	1	-	1	5	-	-	
Thursday	66	3.27	1	34	59	1	30	2	-	2	5	-	2	
Friday	51	2.53	2	24	48	2	23	2	-	1	1	-	-	
Saturday	51	2.53	5	20	47	5	18	2	-	2	2	-	-	
Total	368	18.24	20	163	330	18	140	16	2	20	22	-	3	

Grand Total

Day					At Public Crossing						At Private Crossing					
	Total Incidents		Total		Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Sunday	201	9.97	27	96	165	21	71	16	6	16	19	-	8	1	-	1
Monday	284	14.08	39	96	218	17	79	25	13	5	41	9	12	-	-	-
Tuesday	312	15.47	39	129	235	20	98	24	13	8	49	4	21	4	2	2
Wednesday	302	14.97	29	108	237	11	85	25	12	10	39	6	13	1	-	-
Thursday	345	17.10	41	162	269	24	124	26	11	12	48	5	26	2	1	-
Friday	325	16.11	50	184	245	26	163	33	20	7	45	4	13	2	-	1
Saturday	248	12.30	32	78	200	15	69	23	13	5	25	4	4	-	-	-
Total	2,017	100.0	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-6 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY HOUR OF DAY, 2010

Hour of Day	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
AM	1	58 2.88	4	14	52	2	14	3	2	-	3	-	-	-	-	-
	2	71 3.52	8	15	56	5	10	8	3	3	7	-	2	-	-	-
	3	41 2.03	4	16	31	3	13	4	1	2	6	-	1	-	-	-
	4	45 2.23	5	9	39	4	8	2	1	-	4	-	1	-	-	-
	5	31 1.54	2	7	21	2	5	1	-	-	8	-	2	1	-	-
	6	47 2.33	2	12	38	-	10	4	1	1	5	1	1	-	-	-
	7	78 3.87	13	45	53	7	38	9	5	2	16	1	5	-	-	-
	8	109 5.40	14	42	81	6	34	7	7	2	19	1	6	2	-	-
	9	106 5.26	15	58	83	10	46	8	4	2	14	1	9	1	-	1
	10	123 6.10	15	84	97	8	72	9	3	4	16	3	7	1	1	1
	11	110 5.45	12	51	89	7	42	5	3	2	15	2	6	1	-	1
	12	66 3.27	8	14	48	4	8	9	3	4	8	-	2	1	1	-
	Total	885 43.88	102	367	688	58	300	69	33	22	121	9	42	7	2	3
PM	1	134 6.64	18	69	107	13	49	7	3	11	20	2	9	-	-	-
	2	127 6.30	14	45	102	8	40	7	5	1	18	1	4	-	-	-
	3	109 5.40	19	95	86	8	78	7	3	4	16	8	13	-	-	-
	4	121 6.00	20	57	90	12	45	10	4	3	19	3	8	2	1	1
	5	90 4.46	17	29	67	8	19	13	8	3	10	1	7	-	-	-
	6	102 5.06	16	33	83	11	30	8	4	2	11	1	1	-	-	-
	7	82 4.07	11	39	62	5	24	10	3	7	9	3	8	1	-	-
	8	65 3.22	6	18	49	2	14	7	4	2	9	-	2	-	-	-
	9	71 3.52	9	31	56	3	28	9	4	3	6	2	-	-	-	-
	10	64 3.17	8	16	49	-	14	11	8	2	4	-	-	-	-	-
	11	64 3.17	7	16	47	1	13	9	5	2	8	1	1	-	-	-
	12	103 5.11	10	38	83	5	35	5	4	1	15	1	2	-	-	-
	Total	1,132 56.12	155	486	881	76	389	103	55	41	145	23	55	3	1	1
Total	2,017	100.0	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-7 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY TYPE OF HIGHWAY USER, 2010

Rail Equipment Struck Highway User

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	710	35.20	73	251	643	59	226	-	-	-	67	14	25	-	-	-
Truck	108	5.35	17	70	78	13	54	-	-	-	30	4	16	-	-	-
Trk& Trail	278	13.78	7	163	213	7	143	-	-	-	65	-	20	-	-	-
Pickup Trk	242	12.00	34	92	198	24	76	-	-	-	44	10	16	-	-	-
Van	57	2.83	7	25	39	4	14	-	-	-	18	3	11	-	-	-
Bus	4	0.20	-	1	4	-	1	-	-	-	-	-	-	-	-	-
Motorcycle	2	0.10	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Oth Mtr V.	82	4.07	10	41	63	9	35	-	-	-	19	1	6	-	-	-
Pedestrian	134	6.64	78	40	-	-	-	129	76	38	-	-	-	5	2	2
Other	32	1.59	11	7	-	-	-	27	10	5	-	-	-	5	1	2
Total	1,649	81.76	237	690	1,239	116	549	156	86	43	244	32	94	10	3	4

Highway User Struck Rail Equipment

Highway User					At Public Crossing								At Private Crossing		
	Total Incidents		Total		Motor Vehicle				Other				Motor Vehicle		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal		
Car	192	9.52	8	81	187	8	81	-	-	-	5	-	-		
Truck	29	1.44	3	9	24	3	8	-	-	-	5	-	1		
Trk& Trail	24	1.19	-	5	19	-	5	-	-	-	5	-	-		
Pickup Trk	60	2.97	2	23	58	2	23	-	-	-	2	-	-		
Van	16	0.79	-	4	14	-	3	-	-	-	2	-	1		
Motorcycle	2	0.10	3	-	2	3	-	-	-	-	-	-	-		
Oth Mtr V.	29	1.44	2	21	26	2	20	-	-	-	3	-	1		
Pedestrian	9	0.45	1	8	-	-	-	9	1	8	-	-	-		
Other	7	0.35	1	12	-	-	-	7	1	12	-	-	-		
Total	368	18.24	20	163	330	18	140	16	2	20	22	-	3		

Grand Total

Highway User		Total Incidents		Total		At Public Crossing						At Private Crossing					
						Motor Vehicle			Other			Motor Vehicle			Other		
		Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	902	44.72	81	332	830	67	307	-	-	-	72	14	25	-	-	-	
Truck	137	6.79	20	79	102	16	62	-	-	-	35	4	17	-	-	-	
Trk& Trail	302	14.97	7	168	232	7	148	-	-	-	70	-	20	-	-	-	
Pickup Trk	302	14.97	36	115	256	26	99	-	-	-	46	10	16	-	-	-	
Van	73	3.62	7	29	53	4	17	-	-	-	20	3	12	-	-	-	
Bus	4	0.20	-	1	4	-	1	-	-	-	-	-	-	-	-	-	
Motorcycle	4	0.20	3	-	3	3	-	-	-	-	1	-	-	-	-	-	
Oth Mtr V.	111	5.50	12	62	89	11	55	-	-	-	22	1	7	-	-	-	
Pedestrian	143	7.09	79	48	-	-	-	138	77	46	-	-	-	5	2	2	
Other	39	1.93	12	19	-	-	-	34	11	17	-	-	-	5	1	2	
Total	2,017	100.0	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4	

TABLE 7-8 HIGHWAY-RAIL GRADE INCIDENTS, BY USER, 2010

Rail Equipment Struck Highway User

Highway User	Total		Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard / Switch	Light loco(s)	Maint Insp car	Spec MOW Eqp
	Cnt	%										
Car	710	35.2	509	52	50	9	-	-	25	36	19	10
Truck	108	5.4	79	11	1	2	1	-	6	6	2	-
Trk & Trail	278	13.8	203	11	3	4	-	1	36	16	2	2
Pickup Trk	242	12.0	180	26	3	4	-	-	10	10	7	2
Van	57	2.8	37	8	1	-	-	-	6	4	1	-
Bus	4	0.2	1	1	1	1	-	-	-	-	-	-
Motorcycle	2	0.1	2	-	-	-	-	-	-	-	-	-
Oth Mtr V.	82	4.1	62	6	1	1	-	-	3	7	2	-
Pedestrian	134	6.6	73	30	22	1	-	-	2	6	-	-
Other	32	1.6	22	3	2	1	-	-	2	2	-	-
Total	1,649	81.8	1,168	148	84	23	1	1	90	87	33	14

Highway User Struck Rail Equipment

Highway User	Total		Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard / Switch	Light loco(s)	Maint Insp car	Spec MOW Eqp
	Cnt	%										
Car	192	9.5	128	3	5	2	-	4	22	12	7	9
Truck	29	1.4	24	1	1	1	-	-	1	-	1	-
Trk & Trail	24	1.2	16	-	-	1	-	-	3	2	2	-
Pickup Trk	60	3.0	44	3	-	1	-	-	4	5	2	1
Van	16	0.8	12	2	-	-	1	-	-	1	-	-
Motorcycle	2	0.1	2	-	-	-	-	-	-	-	-	-
Oth Mtr V.	29	1.4	22	-	-	-	-	-	3	-	3	1
Pedestrian	9	0.4	6	-	2	-	-	-	1	-	-	-
Other	7	0.3	3	1	-	-	-	-	1	1	1	-
Total	368	18.2	257	10	8	5	1	4	35	21	16	11

Grand Total

Highway User	Total		Freight Train	Psgr Train	Commuter Train	Work Train	Single Car	Cut of Cars	Yard / Switch	Light loco(s)	Maint Insp car	Spec MOW Eqp
	Cnt	%										
Car	902	44.7	637	55	55	11	-	4	47	48	26	19
Truck	137	6.8	103	12	2	3	1	-	7	6	3	-
Trk & Trail	302	15.0	219	11	3	5	-	1	39	18	4	2
Pickup Trk	302	15.0	224	29	3	5	-	-	14	15	9	3
Van	73	3.6	49	10	1	-	1	-	6	5	1	-
Bus	4	0.2	1	1	1	1	-	-	-	-	-	-
Motorcycle	4	0.2	4	-	-	-	-	-	-	-	-	-
Oth Mtr V.	111	5.5	84	6	1	1	-	-	6	7	5	1
Pedestrian	143	7.1	79	30	24	1	-	-	3	6	-	-
Other	39	1.9	25	4	2	1	-	-	3	3	1	-
Total	2,017	100.0	1,425	158	92	28	2	5	125	108	49	25

TABLE 7-9 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY WARNING DEVICE, 2010

Warning	Total Incidents		Total		At Public Crossing						At Private Crossing					
					Motor Vehicle			Other			Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Unknown	66	3.27	5	14	14	-	4	-	-	-	49	4	8	3	1	2
Other	7	0.35	3	3	1	-	1	2	3	-	3	-	1	1	-	1
Cross bucks	470	23.30	56	206	399	45	177	12	6	3	56	5	25	3	-	1
Stop signs	281	13.93	36	136	149	12	83	2	1	-	127	21	53	3	2	-
Special warning	30	1.49	1	4	22	-	3	1	-	-	7	1	1	-	-	-
HWTS,WW,Bells	14	0.69	-	4	13	-	3	1	-	1	-	-	-	-	-	-
Flashing lights	293	14.53	20	145	265	17	126	15	3	15	13	-	4	-	-	-
Gates	856	42.44	136	341	706	60	292	139	75	44	11	1	5	-	-	-
Total	2,017	100.0	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4

TABLE 7-10 TOTAL HIGHWAY-RAIL GRADE INCIDENTS, BY WEATHER, 2010

Rail Equipment Struck Highway User

Type Weather	Total Incidents		At Public Crossing									At Private Crossing					
			Total		Motor Vehicle			Other				Motor Vehicle			Other		
	Cnt	%	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	
Clear	1,125	55.78	183	514	829	95	414	117	59	35	173	26	63	6	3	2	
Cloudy	329	16.31	36	125	248	12	93	28	18	6	49	6	24	4	-	2	
Rain	100	4.96	10	22	81	4	15	7	6	2	12	-	5	-	-	-	
Fog	29	1.44	5	7	23	2	7	3	3	-	3	-	-	-	-	-	
Sleet	1	0.05	-	-	1	-	-	-	-	-	-	-	-	-	-	-	
Snow	65	3.22	3	22	57	3	20	1	-	-	7	-	2	-	-	-	
Total	1,649	81.76	237	690	1,239	116	549	156	86	43	244	32	94	10	3	4	

Highway User Struck Rail Equipment

Type Weather	Total Incidents		At Public Crossing									At Private Crossing	
			Total		Motor Vehicle			Other			Motor Vehicle		
	Cnt	%			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt
Clear	236	11.70	15	111	213	13	95	10	2	15	13	-	1
Cloudy	80	3.97	2	35	68	2	28	6	-	5	6	-	2
Rain	31	1.54	2	12	29	2	12	-	-	-	2	-	-
Fog	9	0.45	1	3	9	1	3	-	-	-	-	-	-
Sleet	1	0.05	-	-	1	-	-	-	-	-	-	-	-
Snow	11	0.55	-	2	10	-	2	-	-	-	1	-	-
Total	368	18.24	20	163	330	18	140	16	2	20	22	-	3

Grand Total

Type Weather	Total Incidents				At Public Crossing							At Private Crossing					
					Total		Motor Vehicle			Other			Motor Vehicle			Other	
	Cnt	%	Kld	Nonfatal			Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld
Clear	1,361	67.48	198	625	1,042	108	509	127	61	50	186	26	64	6	3	2	
Cloudy	409	20.28	38	160	316	14	121	34	18	11	55	6	26	4	-	2	
Rain	131	6.49	12	34	110	6	27	7	6	2	14	-	5	-	-	-	
Fog	38	1.88	6	10	32	3	10	3	3	-	3	-	-	-	-	-	
Sleet	2	0.10	-	-	2	-	-	-	-	-	-	-	-	-	-	-	
Snow	76	3.77	3	24	67	3	22	1	-	-	8	-	2	-	-	-	
Total	2,017	100.0	257	853	1,569	134	689	172	88	63	266	32	97	10	3	4	

CHAPTER 8

HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

FRA's reporting rules define any contact between a rail and highway user at a crossing site as a highway-rail incident. The following are situations that occur at or near crossing locations that do not qualify as highway-rail grade crossing incidents, but may require reporting under other provisions of the rule, e.g., train accident or casualty reporting.

- Q1. A man driving a truck did not see a train occupying a highway-rail grade crossing and lost control of his vehicle when he slammed on the brakes to avoid a collision. His truck ended up in the ditch with considerable damage, and he broke his arm. What reports are required?
- A1. Since an impact did not occur between a highway and a rail user, you do not need to prepare a highway-rail accident/incident report (Form FRA F6180.57). The motorist did sustain a reportable injury arising from the operation of a railroad. Therefore, an injury report (Form FRA F6180.55a) must be completed. If the motorist had struck the consist, a Form FRA F6180.57 would be required even if the impact did not occur on the crossing site.
- Q2. A highway user hits a signal stand at a highway crossing and was injured, but there was no on-track equipment present, nor were railroad employees in the vicinity. Is this reportable?
- A2. No. The regulation exempts the reporting of motor vehicle accidents at highway-rail grade crossing sites when they do not involve the presence of on-track equipment or railroad employees.
- Q3. A motorist in an off-road vehicle was waiting behind several automobiles at a crossing site where the gates were down and a standing train was occupying the track. He apparently became impatient and drove his vehicle off the highway and parallel to the track to a point where he could cross over the track behind the train. His vehicle stalled on a parallel set of tracks, and he was unable to start it. He exited his truck just before a train on the adjacent track hit it. Should this be reported as a highway-rail accident/incident or any other type?
- A3. An event such as this would not qualify as a highway-rail grade crossing collision since the motor vehicle operator had left the highway of his own choosing and his vehicle was struck at a location other than a designated crossing site. The event would be reportable as an obstruction accident on Form FRA F6180.54, if reportable damage was in excess of the threshold. If the motorist or employees were hurt in connection with this event, then an injury report (Form FRA F6180.55a) would need to be completed.

CONTENTS

CHAPTER 8

HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

Tables	Title	Page
8-1	Rates for Motor Vehicle Incidents at Public Crossings, by State, 2010	105
8-2	Rates for Motor Vehicle Incidents at Public Crossings, by Warning Device, 2010	106
8-3	Motor Vehicle HRC Incidents at Public Crossings, by Railroad and Type of Warning, 2010	106
8-4	Motor Vehicle HRC Incidents at Public Crossings, by State and Type of Warning, 2010	107
8-5	Motor Vehicle HRC Incidents at Public Crossings, by Type of Consist and Consist Speed, 2010	108
8-6	Motor Vehicle HRC Incidents at Public Crossings, by Type of Warning, Motorist Action, and Warning Location, 2010	109
8-7	Motor Vehicle HRC Incidents at Public Crossings, by Type of Vehicle, Vehicle Speed, and Driver Gender, 2010	110
8-8	Motor Vehicle HRC Incidents at Public Crossings, by Vehicle Speed, Weather, and Condition of Driver, 2010	111
8-9	Motor Vehicle HRC Incidents at Public Crossings, by Driver Age, Gender, and Type of Vehicle, 2010	112
8-10	Motor Vehicles That Struck Consist at Public Crossings, by Consist Length, Portion of Train Struck, and Warning Type, 2010	112
8-11	Motor Vehicle HRC Incidents at Public Crossings, by Consist Length, Type of Consist, and Driver Gender, 2010	113
8-12	Motor Vehicle HRC Incidents at Public Crossings, by Type of Consist, Number of People on Train, and Type of Person Hurt, 2010	114
8-13	Motor Vehicle HRC Incidents at Public Crossings, by Type of Vehicle, Number of Occupants, and Vehicle Damage, 2010	114
8-14	Motor Vehicle HRC Incidents at Public Crossings, by Type of Warning, Position on Crossing, and if Hazardous Materials Were Released, 2010	115
8-15	Motor Vehicle HRC Incidents at Public Crossings, by Type of Vehicle and Warning, 2010	116
8-16	Motor Vehicle HRC Incidents at Public Crossings, by Warning Status for Incidents Occurring at Crossings With Train-Activated Devices, by Type of Vehicle, 2010	117

TABLE 8-1 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS, BY STATE, 2010

States	Accidents				Deaths				Nonfatal			
	Cnt	Per 100 Xings	Per 100K Vehicles	Per 100K ADT	Cnt	Per 100 Xings	Per 100K Vehicles	Per 100K ADT	Cnt	Per 100 Xings	Per 100K Vehicles	Per 100K ADT
Alabama	63	2.23	1.33	1.13	6	0.21	0.13	0.11	27	0.96	5.70	0.48
Alaska	1	0.57	0.14	0.21	.	.	.	.	1	0.57	1.38	0.21
Arizona	20	2.70	0.44	0.77	2	0.27	0.04	0.08	13	1.75	2.89	0.50
Arkansas	44	1.62	2.08	1.43	6	0.22	0.28	0.20	18	0.66	8.52	0.59
California	74	1.26	0.21	0.24	6	0.10	0.02	0.02	55	0.93	1.56	0.18
Colorado	14	0.82	0.92	0.43	5	0.29	0.33	0.15	6	0.35	3.94	0.18
Connecticut	2	0.55	0.06	0.15	.	.	.	.	1	0.28	0.32	0.08
Delaware	3	1.12	0.35	0.26	.	.	.	.	3	1.12	3.45	0.26
Dist Of Columbia	.	.	.	.	.	.	.	.	.	.	.	.
Florida	44	1.16	0.28	0.19	3	0.08	0.02	0.01	19	0.50	1.19	0.08
Georgia	59	1.13	0.68	0.59	4	0.08	0.05	0.04	23	0.44	2.64	0.23
Hawaii	.	.	.	.	.	.	.	.	.	.	.	.
Idaho	12	0.93	0.84	0.71	.	.	.	.	2	0.16	1.40	0.12
Illinois	95	1.22	0.93	0.50	13	0.17	0.13	0.07	29	0.37	2.83	0.15
Indiana	104	1.79	1.72	0.77	6	0.10	0.10	0.04	39	0.67	6.44	0.29
Iowa	46	1.06	1.30	0.87	1	0.02	0.03	0.02	17	0.39	4.79	0.32
Kansas	38	0.74	1.51	0.97	5	0.10	0.20	0.13	19	0.37	7.57	0.48
Kentucky	42	1.78	1.15	1.14	7	0.30	0.19	0.19	18	0.76	4.93	0.49
Louisiana	88	2.99	2.14	1.44	11	0.37	0.27	0.18	64	2.18	15.59	1.04
Maine	2	0.24	0.18	0.10	.	.	.	.	1	0.12	0.90	0.05
Maryland	10	1.58	0.22	0.46	.	.	.	.	1	0.16	0.22	0.05
Massachusetts	7	0.84	0.13	0.14	1	0.12	0.02	0.02	4	0.48	0.74	0.08
Michigan	43	0.92	0.53	0.31	4	0.09	0.05	0.03	26	0.56	3.18	0.19
Minnesota	37	0.83	0.73	0.58	2	0.05	0.04	0.03	17	0.38	3.37	0.27
Mississippi	39	1.76	1.90	0.96	7	0.32	0.34	0.17	14	0.63	6.82	0.35
Missouri	41	1.17	0.82	1.06	7	0.20	0.14	0.18	20	0.57	3.99	0.52
Montana	11	0.80	1.05	0.84	1	0.07	0.10	0.08	3	0.22	2.85	0.23
Nebraska	19	0.64	1.03	1.05	2	0.07	0.11	0.11	5	0.17	2.71	0.28
Nevada	.	.	.	.	.	.	.	.	.	.	.	.
New Hampshire	.	.	.	.	.	.	.	.	.	.	.	.
New Jersey	24	1.60	0.38	0.27	1	0.07	0.02	0.01	5	0.33	0.80	0.06
New Mexico	5	0.70	0.30	0.45	2	0.28	0.12	0.18	2	0.28	1.19	0.18
New York	22	0.82	0.19	0.29	2	0.07	0.02	0.03	5	0.19	0.43	0.07
North Carolina	35	0.87	0.57	0.26	1	0.02	0.02	0.01	30	0.74	4.86	0.22
North Dakota	18	0.52	2.39	1.74	1	0.03	0.13	0.10	8	0.23	10.60	0.77
Ohio	63	1.09	0.55	0.43	5	0.09	0.04	0.03	13	0.23	1.14	0.09
Oklahoma	38	1.01	1.08	0.93	4	0.11	0.11	0.10	25	0.67	7.10	0.61
Oregon	13	0.73	0.41	0.32	.	.	.	.	1	0.06	0.32	0.02
Pennsylvania	45	1.29	0.44	0.69	1	0.03	0.01	0.02	11	0.31	1.07	0.17
Rhode Island	.	.	.	.	.	.	.	.	.	.	.	.
South Carolina	42	1.58	1.13	0.70	2	0.08	0.05	0.03	13	0.49	3.49	0.22
South Dakota	8	0.43	0.81	0.76	.	.	.	.	2	0.11	2.02	0.19
Tennessee	34	1.24	0.64	0.58	3	0.11	0.06	0.05	6	0.22	1.13	0.10
Texas	170	1.83	0.91	0.58	10	0.11	0.05	0.03	82	0.88	4.40	0.28
Utah	9	1.30	0.36	0.34	2	0.29	0.08	0.08	5	0.72	1.99	0.19
Vermont	3	0.80	0.51	0.43	.	.	.	.	1	0.27	1.71	0.14
Virginia	21	1.12	0.33	0.42	1	0.05	0.02	0.02	9	0.48	1.41	0.18
Washington	24	1.00	0.41	0.54	.	.	.	.	7	0.29	1.20	0.16
West Virginia	11	0.77	0.75	0.53	.	.	.	.	5	0.35	3.42	0.24
Wisconsin	26	0.64	0.50	0.30	.	.	.	.	14	0.35	2.67	0.16
Wyoming	.	.	.	.	.	.	.	.	.	.	.	.
Total...	1,569	1.20	0.62	0.51	134	0.10	0.05	0.04	689	0.53	2.72	0.23

**TABLE 8-2 RATES FOR MOTOR VEHICLE INCIDENTS
AT PUBLIC CROSSINGS BY WARNING DEVICE, 2010**

Type Warning	Accidents			Deaths			Nonfatal			Number of Crossings
	Cnt	Per 100 Xings	Per 100K ADT	Cnt	Per 100 Xings	Per 100K ADT	Cnt	Per 100 Xings	Per 100K ADT	
Unknown	14	0.49	0.19	.	.	.	4	0.14	0.05	2,831
Other	1	0.37	0.22	.	.	.	1	0.37	0.22	267
Cross bucks	399	0.84	1.24	45	0.09	0.14	177	0.37	0.55	47,502
Stop signs	149	1.28	2.50	12	0.10	0.20	83	0.71	1.39	11,625
Special warning	22	1.24	0.46	.	.	.	3	0.17	0.06	1,769
HWTS,WW,Bells	13	0.70	0.28	.	.	.	3	0.16	0.06	1,865
Flashing lights	265	1.29	0.34	17	0.08	0.02	126	0.61	0.16	20,579
Gates	706	1.60	0.41	60	0.14	0.03	292	0.66	0.17	44,128
Total	1,569	1.20	0.51	134	0.10	0.04	689	0.53	0.23	130,566

**TABLES 8-3 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY RAILROAD AND TYPE OF WARNING, 2010**

Railroads	Types of Warning								Type Incident	
	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW,Bells	Flashing lights	Gates	Rail Equip Struck Highway User	Highway User Struck Rail Equip
Alaska RR Corp.	-	-	-	-	-	-	-	1	1	-
Amtrak	-	-	11	6	-	1	8	62	80	8
Burlington Northern Santa Fe	3	-	72	13	1	1	28	101	171	48
Buffalo & Pittsburg	-	-	3	-	-	-	-	-	3	-
Canadian National	-	-	28	12	2	-	32	26	78	22
Canadian Pacific	-	-	9	8	-	-	4	8	24	5
Conrail Shared Assets	-	-	2	2	-	-	2	1	3	4
CSX Transportation	-	1	36	22	3	4	60	138	221	43
Florida East Coast	-	-	-	-	-	-	-	9	6	3
Guilford Rail System	-	-	-	-	-	-	1	-	-	1
Other Railroads	4	-	81	25	11	5	42	31	126	73
Indiana Harbor Belt	-	-	1	1	-	-	-	1	2	1
Kansas City Southern	-	-	25	2	-	-	8	20	44	11
Long Island Rail Road	-	-	-	-	-	-	-	2	2	-
Mass Bay Transit Auth.	-	-	-	-	-	-	1	2	3	-
Metro North Commuter	-	-	-	-	-	-	1	-	1	-
Montana Rail Link	-	-	2	1	-	-	-	-	3	-
Northern IN Comm Trans	-	-	-	3	-	1	3	3	7	3
Northeast IL Reg Comm	-	-	-	-	-	-	-	19	18	1
New Jersey Transit Rail	-	-	-	-	-	-	-	15	14	1
Norfolk Southern Corp.	6	-	45	18	2	1	40	118	188	42
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	2	2	-
Port Terminal RR Assn	-	-	2	-	-	-	-	3	2	3
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	5	5	-
Southeastern PA Trans.	-	-	-	-	-	-	-	2	2	-
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	2	-	2
Union Pacific	1	-	81	36	3	-	33	133	228	59
Union RR (Pittsburgh)	-	-	-	-	-	-	1	-	1	-
Wheeling & Lake Erie	-	-	1	-	-	-	1	2	4	-
Total	14	1	399	149	22	13	265	706	1,239	330

**TABLES 8-4 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY STATE AND TYPE OF WARNING, 2010**

States	Type of Warning							
	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTs,WW,Bells	Flashing lights	Gates
Alabama	-	-	16	15	-	-	15	17
Alaska	-	-	-	-	-	-	-	1
Arizona	-	-	2	1	-	-	4	13
Arkansas	-	-	12	13	1	-	11	7
California	-	-	10	3	1	-	5	55
Colorado	-	-	9	3	-	-	-	2
Connecticut	-	-	1	-	-	-	1	-
Delaware	-	-	-	-	-	-	1	2
Florida	-	-	1	-	-	1	1	41
Georgia	-	-	7	12	4	-	7	29
Idaho	-	-	1	4	1	-	3	3
Illinois	1	-	16	2	-	-	20	56
Indiana	2	-	17	18	-	1	19	47
Iowa	-	-	20	4	1	-	10	11
Kansas	-	-	22	1	-	-	-	15
Kentucky	-	1	10	-	1	-	18	12
Louisiana	2	-	29	10	-	-	27	20
Maine	-	-	-	-	-	-	2	-
Maryland	1	-	1	1	1	1	4	1
Massachusetts	-	-	1	-	-	-	4	2
Michigan	-	-	4	3	-	-	13	23
Minnesota	1	-	10	15	-	-	2	9
Mississippi	-	-	15	5	3	1	5	10
Missouri	-	-	15	3	-	-	9	14
Montana	-	-	8	-	1	-	-	2
Nebraska	-	-	7	4	-	-	1	7
New Jersey	1	-	-	1	1	-	4	17
New Mexico	-	-	-	1	-	1	-	3
New York	-	-	4	-	1	-	-	17
North Carolina	-	-	9	-	-	-	5	21
North Dakota	-	-	15	1	1	-	-	1
Ohio	-	-	20	-	-	-	8	35
Oklahoma	-	-	12	4	-	-	7	15
Oregon	1	-	2	4	-	-	-	6
Pennsylvania	3	-	12	2	1	3	9	15
South Carolina	-	-	4	5	-	2	8	23
South Dakota	-	-	7	-	-	-	1	-
Tennessee	-	-	12	1	1	1	8	11
Texas	1	-	46	4	1	1	16	101
Utah	-	-	3	2	-	-	2	2
Vermont	-	-	-	1	-	-	1	1
Virginia	-	-	3	1	-	-	2	15
Washington	1	-	6	1	1	1	2	12
West Virginia	-	-	-	-	-	-	3	8
Wisconsin	-	-	10	4	1	-	7	4
Total	14	1	399	149	22	13	265	706

**TABLE 8-5 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF CONSIST AND CONSIST SPEED, 2010**

Rail Equipment Struck Highway User

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psg Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No			
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-9	194	98	4	3	21	35	22	11	5	7	182			
10-19	138	98	8	1	5	13	11	2	2	5	131			
20-29	216	174	16	7	6	1	11	1	4	12	200			
30-39	239	212	17	5	1	-	4	-	3	5	231			
40-49	257	225	23	2	-	1	6	-	3	12	242			
50-59	116	89	22	-	-	-	5	-	1	4	111			
>= 60	79	17	60	-	-	-	2	-	-	5	74			
Total	1,239	913	150	18	33	50	61	14	18	50	1,171			

Highway User Struck Rail Equipment

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psg Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No			
Unknown	39	29	-	-	5	4	-	1	1	1	37			
1-9	99	49	-	2	11	22	7	8	1	2	96			
10-19	49	37	1	-	1	4	5	1	-	2	47			
20-29	60	51	3	2	-	-	4	-	4	1	55			
30-39	25	21	-	1	1	-	2	-	-	-	25			
40-49	33	33	-	-	-	-	-	-	-	-	33			
50-59	13	13	-	-	-	-	-	-	1	1	11			
>= 60	12	2	10	-	-	-	-	-	-	1	11			
Total	330	235	14	5	18	30	18	10	7	8	315			

Grand Total

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psg Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Unk	Yes	No			
Unknown	39	29	-	-	5	4	-	1	1	1	37			
1-9	293	147	4	5	32	57	29	19	6	9	278			
10-19	187	135	9	1	6	17	16	3	2	7	178			
20-29	276	225	19	9	6	1	15	1	8	13	255			
30-39	264	233	17	6	2	-	6	-	3	5	256			
40-49	290	258	23	2	-	1	6	-	3	12	275			
50-59	129	102	22	-	-	-	5	-	2	5	122			
>= 60	91	19	70	-	-	-	2	-	-	6	85			
Total	1,569	1,148	164	23	51	80	79	24	25	58	1,486			

**TABLE 8-6 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF WARNING, MOTORIST ACTION, AND WARNING LOCATION, 2010**

Rail Equipment Struck Highway User

Type Warning	Total		Motorist					Warning Location			
	Cnt	%	Drove around thru gate	Stopped then proceed	Did not stop	Other	Unknown	Not reported	Both sides	Veh Apr	Opp. Veh Apr
Unknown	13	0.8	-	2	9	2	-	8	5	-	-
Other	-	0.0	-	-	-	-	-	-	-	-	-
Cross bucks	305	19.4	-	28	200	68	9	-	297	5	3
Stop signs	130	8.3	-	28	69	31	2	-	121	9	-
Special warning	16	1.0	-	3	7	5	1	-	16	-	-
HWTS,WW,Bells	9	0.6	-	2	1	6	-	-	9	-	-
Flashing lights	189	12.0	-	21	110	49	9	-	182	6	1
Gates	577	36.8	155	12	14	182	214	-	564	13	-
Total	1,239	79.0	155	96	410	343	235	8	1,194	33	4

Highway User Struck Rail Equipment

Type Warning	Total		Motorist					Warning Location			
	Cnt	%	Drove around thru gate	Stopped then proceed	Did not stop	Other	Unknown	Not reported	Both sides	Veh Apr	Opp. Veh Apr
Unknown	1	0.1	-	-	1	-	-	1	-	-	-
Other	1	0.1	-	-	1	-	-	-	1	-	-
Cross bucks	94	6.0	-	3	88	-	3	-	90	4	-
Stop signs	19	1.2	-	2	17	-	-	-	19	-	-
Special warning	6	0.4	-	-	6	-	-	-	6	-	-
HWTS,WW,Bells	4	0.3	-	-	3	-	1	-	3	1	-
Flashing lights	76	4.8	-	5	71	-	-	-	73	2	1
Gates	129	8.2	96	3	6	1	23	-	126	3	-
Total	330	21.0	96	13	193	1	27	1	318	10	1

Grand Total

Type Warning	Total		Motorist					Warning Location			
	Cnt	%	Drove around thru gate	Stopped then proceed	Did not stop	Other	Unknown	Not reported	Both sides	Veh Apr	Opp. Veh Apr
Unknown	14	0.9	-	2	10	2	-	9	5	-	-
Other	1	0.1	-	-	1	-	-	-	1	-	-
Cross bucks	399	25.4	-	31	288	68	12	-	387	9	3
Stop signs	149	9.5	-	30	86	31	2	-	140	9	-
Special warning	22	1.4	-	3	13	5	1	-	22	-	-
HWTS,WW,Bells	13	0.8	-	2	4	6	1	-	12	1	-
Flashing lights	265	16.9	-	26	181	49	9	-	255	8	2
Gates	706	45.0	251	15	20	183	237	-	690	16	-
Total	1,569	100.0	251	109	603	344	262	9	1,512	43	5

**TABLE 8-7 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF VEHICLE, VEHICLE SPEED, AND DRIVER GENDER, 2010**

Rail Equipment Struck Highway User

Vehicle Speed								Driver Gender		
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	80	50	16	9	1	-	4	15	41	24
Stopped	508	295	82	86	20	3	22	42	316	150
1-9	336	145	80	70	9	1	31	6	252	78
10-19	160	71	50	32	2	-	5	2	122	36
20-29	89	48	27	9	4	-	1	2	69	18
30-39	38	20	12	3	3	-	-	2	26	10
40-49	16	8	5	2	-	-	1	-	14	2
50-59	11	6	3	2	-	-	-	1	7	3
>= 60	1	-	1	-	-	-	-	-	1	-
Total	1,239	643	276	213	39	4	64	70	848	321

Highway User Struck Rail Equipment

Vehicle Speed								Driver Gender		
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
Unknown	33	22	4	3	1	-	3	4	19	10
Stopped	2	1	1	-	-	-	-	-	1	1
1-9	114	70	26	7	4	-	7	4	82	28
10-19	76	43	22	4	-	-	7	8	51	17
20-29	40	16	11	3	6	-	4	-	33	7
30-39	34	17	9	1	2	-	5	-	24	10
40-49	12	7	2	1	1	-	1	-	9	3
50-59	8	3	5	-	-	-	-	-	7	1
>= 60	11	8	2	-	-	-	1	-	8	3
Total	330	187	82	19	14	-	28	16	234	80

Grand Total

Vehicle Speed									Driver Gender	
				Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F
	Total	Car	Trucks							
Unknown	113	72	20	12	2	-	7	19	60	34
Stopped	510	296	83	86	20	3	22	42	317	151
1-9	450	215	106	77	13	1	38	10	334	106
10-19	236	114	72	36	2	-	12	10	173	53
20-29	129	64	38	12	10	-	5	2	102	25
30-39	72	37	21	4	5	-	5	2	50	20
40-49	28	15	7	3	1	-	2	-	23	5
50-59	19	9	8	2	-	-	-	1	14	4
>= 60	12	8	3	-	-	-	1	-	9	3
Total	1,569	830	358	232	53	4	92	86	1,082	401

**TABLE 8-8 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY VEHICLE SPEED, WEATHER, AND CONDITION OF DRIVER, 2010**

Rail Equipment Struck Highway User

Vehicle Speed									Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	0 Kld	Nonfatal	Unhurt	
Unknown	80	55	13	7	1	-	4	-	-	8	19	53
Stopped	508	315	105	38	17	1	32	10	-	13	62	423
1-9	336	243	67	10	3	-	13	2	-	33	111	190
10-19	160	112	30	14	2	-	2	-	-	21	50	89
20-29	89	53	21	9	-	-	6	1	-	8	37	43
30-39	38	30	5	3	-	-	-	-	-	2	21	15
40-49	16	11	5	-	-	-	-	-	-	3	6	7
50-59	11	10	1	-	-	-	-	-	-	3	2	6
>= 60	1	-	1	-	-	-	-	-	-	-	-	1
Total	1,239	829	248	81	23	1	57	13	-	91	308	827

Highway User Struck Rail Equipment

Vehicle Speed									Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	0 Kld	Nonfatal	Unhurt	
Unknown	33	22	7	-	3	1	-	-	-	1	16	16
Stopped	2	1	-	1	-	-	-	-	-	-	-	2
1-9	114	65	28	14	2	-	5	-	-	2	26	86
10-19	76	47	17	5	3	-	4	2	1	1	15	57
20-29	40	31	4	4	-	-	1	-	-	1	15	24
30-39	34	24	7	3	-	-	-	-	-	1	17	16
40-49	12	7	3	2	-	-	-	-	-	3	1	8
50-59	8	7	1	-	-	-	-	-	-	3	2	3
>= 60	11	9	1	-	1	-	-	-	-	1	8	2
Total	330	213	68	29	9	1	10	2	1	13	100	214

Grand Total

Vehicle Speed									Driver			
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	0 Kld	Nonfatal	Unhurt	
Unknown	113	77	20	7	4	1	4	-	-	9	35	69
Stopped	510	316	105	39	17	1	32	10	-	13	62	425
1-9	450	308	95	24	5	-	18	2	-	35	137	276
10-19	236	159	47	19	5	-	6	2	1	22	65	146
20-29	129	84	25	13	-	-	7	1	-	9	52	67
30-39	72	54	12	6	-	-	-	-	-	3	38	31
40-49	28	18	8	2	-	-	-	-	-	6	7	15
50-59	19	17	2	-	-	-	-	-	-	6	4	9
>= 60	12	9	2	-	1	-	-	-	-	1	8	3
Total	1,569	1,042	316	110	32	2	67	15	1	104	408	1,041

**TABLE 8-9 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY DRIVER AGE, GENDER, AND TYPE OF VEHICLE, 2010**

Age	Total		Type Vehicle										Driver Gender	
	Cnt	%	Car	Truck	Trk& Trail	Pickup Trk	Van	Bus	Motorcycle	Oth Mtr V.	?	M	F	
Unknown	247	15.7	153	15	26	28	10	2		1	12	85	116	46
11-15	1	0.1	-	-	-	1	-	-		-	-	-	-	1
16-20	120	7.6	78	2	-	32	2	-		-	6	-	82	38
21-25	147	9.4	100	9	8	23	2	-		-	5	1	104	42
26-30	170	10.8	106	5	20	20	7	-		-	12	-	121	49
31-35	109	6.9	51	7	20	16	1	1		-	13	-	77	32
36-40	118	7.5	40	9	33	22	3	1		1	9	-	98	20
41-45	101	6.4	36	7	20	22	5	-		1	10	-	74	27
46-50	115	7.3	45	10	38	14	4	-		-	4	-	87	28
51-55	116	7.4	50	10	26	24	4	-		-	2	-	83	33
56-60	86	5.5	32	14	19	13	5	-		-	3	-	74	12
61-65	72	4.6	35	7	14	10	2	-		-	4	-	50	22
66-70	43	2.7	19	5	3	13	2	-		-	1	-	33	10
Other	124	7.9	85	2	5	18	6	-		-	8	-	83	41
Total	1,569	100.0	830	102	232	256	53	4		3	89	86	1,082	401

**TABLE 8-10 MOTOR VEHICLES THAT STRUCK CONSIST AT PUBLIC CROSSINGS,
BY CONSIST LENGTH, PORTION OF TRAIN STRUCK, AND WARNING TYPE, 2010**

Consist Length	Position of Consist Struck						Type of Warning							
	Total	1st car/ loco	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
1	33	33	-	-	-	-	-	-	7	1	-	-	8	17
2-5	42	30	2	4	1	5	-	-	15	4	2	2	8	11
6-10	25	17	2	1	1	4	-	-	9	3	1	-	6	6
11-15	26	13	6	2	1	4	-	-	13	-	1	-	3	9
16-20	12	8	1	1	1	1	-	-	5	-	1	-	5	1
21-25	10	6	2	1	-	1	-	-	4	1	-	-	5	-
26-30	14	7	1	4	1	1	-	-	3	-	-	-	7	4
31-35	9	5	1	-	2	1	-	-	4	1	-	1	3	-
36-40	7	4	2	1	-	-	-	-	-	1	-	-	3	3
41-45	12	6	1	-	1	4	-	-	4	2	-	-	2	4
46-50	4	2	-	-	2	-	-	-	1	-	-	-	2	1
51-60	18	7	6	1	2	2	-	-	5	1	-	-	3	9
61-70	13	5	3	1	1	3	-	-	3	1	-	-	4	5
71-80	15	9	4	-	1	1	-	-	3	-	-	1	2	9
81-90	22	6	6	6	1	3	-	-	3	1	1	-	4	13
91-100	9	4	3	1	-	1	-	-	2	-	-	-	2	5
> 100	59	20	11	14	9	5	1	1	13	3	-	-	9	32
-Total	330	182	51	37	24	36	1	1	94	19	6	4	76	129

**TABLE 8-11 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY CONSIST LENGTH, TYPE OF CONSIST, AND DRIVER GENDER, 2010**

Rail Equipment Struck Highway User

Consist Length										Driver Gender		
			Psg									
	Total	Freight Train	Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?	M	F	
1	66	-	1	-	33	-	18	14	-	40	26	
2-5	147	44	52	5	-	6	40	-	6	100	41	
6-10	145	53	69	2	-	18	3	-	4	97	44	
11-15	65	33	24	2	-	6	-	-	4	39	22	
16-20	47	41	1	2	-	3	-	-	4	32	11	
21-25	47	43	-	-	-	4	-	-	3	35	9	
26-30	40	36	-	2	-	2	-	-	1	28	11	
31-35	36	32	-	1	-	3	-	-	4	25	7	
36-40	36	33	-	1	-	2	-	-	3	22	11	
41-45	30	29	1	-	-	-	-	-	3	22	5	
46-50	43	40	2	-	-	1	-	-	3	31	9	
51-60	60	58	-	-	-	2	-	-	2	45	13	
61-70	69	67	-	1	-	1	-	-	2	48	19	
71-80	71	70	-	1	-	-	-	-	4	50	17	
81-90	64	64	-	-	-	-	-	-	7	41	16	
91-100	53	52	-	1	-	-	-	-	5	34	14	
> 100	220	218	-	-	-	2	-	-	15	159	46	
Total	1,239	913	150	18	33	50	61	14	70	848	321	

Highway User Struck Rail Equipment

Consist Length											Driver Gender	
			Psgm									
	Total	Freight Train	Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?	M	F	
1	33	-	-	-	14	-	9	10	-	23	10	
2-5	42	20	5	1	-	7	9	-	2	33	7	
6-10	25	13	4	-	-	8	-	-	-	17	8	
11-15	26	16	5	1	-	4	-	-	-	21	5	
16-20	12	11	-	-	-	1	-	-	-	8	4	
21-25	10	9	-	-	-	1	-	-	1	7	2	
26-30	14	9	-	1	2	2	-	-	-	9	5	
31-35	9	7	-	-	-	2	-	-	2	5	2	
36-40	7	6	-	-	-	1	-	-	2	3	2	
41-45	12	9	-	-	1	2	-	-	2	8	2	
46-50	4	4	-	-	-	-	-	-	-	3	1	
51-60	18	16	-	1	-	1	-	-	1	14	3	
61-70	13	13	-	-	-	-	-	-	1	8	4	
71-80	15	14	-	-	-	1	-	-	2	9	4	
81-90	22	21	-	1	-	-	-	-	-	17	5	
91-100	9	9	-	-	-	-	-	-	1	6	2	
> 100	59	58	-	-	1	-	-	-	2	43	14	
Total	330	235	14	5	18	30	18	10	16	234	80	

**TABLE 8-12 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF CONSIST, NUMBER OF PEOPLE ON TRAIN, AND TYPE OF PERSON HURT, 2010**

Consist	People on Train		Total		Hwy User		RR Employees		Others	
	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Freight Train	2,464	2	100	435	100	389	0	46	0	0
Psgr Train	15,228	155	17	138	17	46	0	11	0	81
Commuter Train	11,252	170	9	22	9	15	1	2	-1	5
Work Train	49	2	-	11	0	10	0	1	0	0
Single Car	3	3	-	-	0	0	0	0	0	0
Cut of Cars	3	1	-	2	0	2	0	0	0	0
Yard/ Switch	202	3	4	14	4	14	0	0	0	0
Light loco(s)	287	4	4	31	4	29	0	2	0	0
Maint Insp car	58	1	-	24	0	22	0	2	0	0
Spec MOW Eqp	25	1	-	12	0	12	0	0	0	0
Total	29,571	19	134	689	134	539	1	64	-1	86

**TABLE 8-13 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF VEHICLE, NUMBER OF OCCUPANTS, AND VEHICLE DAMAGE, 2010**

Vehicle	People in Vehicles		Reported Vehicle Damage		Total		Hwy User		RR Employees		Others	
	Total	Avg	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Car	934	1	3,479,757	4,192	67	307	67	290	0	3	0	14
Truck	116	1	1,132,400	11,102	16	62	16	45	1	10	-1	7
Trk& Trail	215	1	4,841,800	20,870	7	148	7	44	0	47	0	57
Pickup Trk	310	1	1,268,804	4,956	26	99	26	94	0	1	0	4
Van	70	1	185,551	3,501	4	17	4	14	0	1	0	2
Bus	52	13	105,500	26,375	-	1	0	0	0	1	0	0
Motorcycle	3	1	20,700	6,900	3	-	3	0	0	0	0	0
Oth Mtr V.	114	1	1,223,410	13,746	11	55	11	52	0	1	0	2
Total	1,814	1	12,257,922	7,813	134	689	134	539	1	64	-1	86

**TABLE 8-14 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF WARNING, POSITION ON CROSSING, AND IF HAZARDOUS MATERIALS WERE RELEASED, 2010**

Rail Equipment Struck Highway User

Type Warning	Total		Position on Crossing				Hazmat Released By				
	Cnt	%	Stalled	Stopped	Moving	Trapped	Unk	Hwy User	Rail User	Both	Neither
Unknown	13	0.8	-	2	11	-	-	-	3	-	10
Other	-	0.0	-	-	-	-	-	-	-	-	-
Cross bucks	305	19.4	11	60	233	1	5	2	85	1	212
Stop signs	130	8.3	6	26	98	-	-	2	45	-	83
Special warning	16	1.0	1	5	10	-	-	-	2	-	14
HWTS,WW,Bells	9	0.6	1	5	3	-	-	-	-	-	9
Flashing lights	189	12.0	4	44	135	6	-	1	43	-	145
Gates	577	36.8	73	272	207	25	1	1	117	1	457
Total	1,239	79.0	96	414	697	32	6	6	295	2	930

Highway User Struck Rail Equipment

Type Warning	Total		Position on Crossing				Hazmat Released By				
	Cnt	%	Stalled	Stopped	Moving	Trapped	Unk	Hwy User	Rail User	Both	Neither
Unknown	1	0.1	-	-	-	1	-	-	-	-	1
Other	1	0.1	-	-	1	-	-	-	-	-	1
Cross bucks	94	6.0	-	1	93	-	2	-	13	-	79
Stop signs	19	1.2	-	-	19	-	-	-	5	-	14
Special warning	6	0.4	-	-	6	-	-	-	-	-	6
HWTS,WW,Bells	4	0.3	-	-	4	-	-	-	-	-	4
Flashing lights	76	4.8	-	-	76	-	-	-	15	-	61
Gates	129	8.2	1	-	127	1	-	1	34	1	93
Total	330	21.0	1	1	326	2	2	1	67	1	259

Grand Total

Type Warning	Total		Position on Crossing				Hazmat Released By				
	Cnt	%	Stalled	Stopped	Moving	Trapped	Unk	Hwy User	Rail User	Both	Neither
Unknown	14	0.9	-	2	11	1	-	-	3	-	11
Other	1	0.1	-	-	1	-	-	-	-	-	1
Cross bucks	399	25.4	11	61	326	1	7	2	98	1	291
Stop signs	149	9.5	6	26	117	-	-	2	50	-	97
Special warning	22	1.4	1	5	16	-	-	-	2	-	20
HWTS,WW,Bells	13	0.8	1	5	7	-	-	-	-	-	13
Flashing lights	265	16.9	4	44	211	6	-	1	58	-	206
Gates	706	45.0	74	272	334	26	1	2	151	2	550
Total	1,569	100.0	97	415	1,023	34	8	7	362	3	1,189

**TABLE 8-15 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY TYPE OF VEHICLE AND WARNING, 2010**

Rail Equipment Struck Highway User

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	643	41.0	6	-	119	53	10	7	101	347
Truck	78	5.0	4	-	25	12	1	-	18	18
Trk& Trail	213	13.6	3	-	72	28	3	-	29	78
Pickup Trk	198	12.6	-	-	60	21	1	2	32	82
Van	39	2.5	-	-	6	9	1	-	3	20
Bus	4	0.3	-	-	-	1	-	-	1	2
Motorcycle	1	0.1	-	-	-	-	-	-	1	-
Oth Mtr V.	63	4.0	-	-	23	6	-	-	4	30
Total	1,239	79.0	13	-	305	130	16	9	189	577

Highway User Struck Rail Equipment

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	187	11.9	1	-	37	11	6	2	47	83
Truck	24	1.5	-	-	9	1	-	-	9	5
Trk& Trail	19	1.2	-	-	8	1	-	-	7	3
Pickup Trk	58	3.7	-	-	28	3	-	2	9	16
Van	14	0.9	-	-	3	2	-	-	1	8
Bus	-	0.0	-	-	-	-	-	-	-	-
Motorcycle	2	0.1	-	-	-	-	-	-	-	2
Oth Mtr V.	26	1.7	-	1	9	1	-	-	3	12
Total	330	21.0	1	1	94	19	6	4	76	129

Grand Total

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	830	52.9	7	-	156	64	16	9	148	430
Truck	102	6.5	4	-	34	13	1	-	27	23
Trk& Trail	232	14.8	3	-	80	29	3	-	36	81
Pickup Trk	256	16.3	-	-	88	24	1	4	41	98
Van	53	3.4	-	-	9	11	1	-	4	28
Bus	4	0.3	-	-	-	1	-	-	1	2
Motorcycle	3	0.2	-	-	-	-	-	-	1	2
Oth Mtr V.	89	5.7	-	1	32	7	-	-	7	42
Total	1,569	100.0	14	1	399	149	22	13	265	706

**TABLE 8-16 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,
BY WARNING STATUS FOR INCIDENTS OCCURRING AT CROSSINGS
WITH TRAIN-ACTIVATED DEVICES, BY TYPE OF VEHICLE, 2010**

Rail Equipment Struck Highway User

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	455	432	2	3	1	1	-	16
Truck	36	32	2	-	1	-	-	1
Trk & Trail	107	104	1	1	-	-	1	-
Pickup Trk	116	106	2	2	1	1	1	3
Van	23	22	-	-	-	-	-	1
Bus	3	3	-	-	-	-	-	-
Motorcycle	1	1	-	-	-	-	-	-
Oth Mtr V.	34	30	-	1	-	-	1	2
Total	775	730	7	7	3	2	3	23

Highway User Struck Rail Equipment

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	132	124	-	-	-	1	-	7
Truck	14	12	-	1	-	-	1	-
Trk & Trail	10	10	-	-	-	-	-	-
Pickup Trk	27	23	2	-	-	-	1	1
Van	9	9	-	-	-	-	-	-
Bus	-	-	-	-	-	-	-	-
Motorcycle	2	2	-	-	-	-	-	-
Oth Mtr V.	15	12	-	-	-	-	-	3
Total	209	192	2	1	-	1	2	11

Grand Total

Type Vehicle	Status of Warning System							
	Total	Provided Minimum 20 Secs.	Alleged > 60 Secs.	Alleged < 20 Secs.	Alleged No Warning	Confirm > 60 Secs.	Confirm < 20 Secs.	Confirm No Warning
Car	587	556	2	3	1	2	-	23
Truck	50	44	2	1	1	-	1	1
Trk & Trail	117	114	1	1	-	-	1	-
Pickup Trk	143	129	4	2	1	1	2	4
Van	32	31	-	-	-	-	-	1
Bus	3	3	-	-	-	-	-	-
Motorcycle	3	3	-	-	-	-	-	-
Oth Mtr V.	49	42	-	1	-	-	1	5
Total	984	922	9	8	3	3	5	34

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CHAPTER 9

HIGHWAY-RAIL GRADE CROSSING INVENTORY

The Federal-Aid Highway Act of 1973 (Section 203) required that each State highway agency maintain an inventory of all crossings. According to the implementing instructions contained in the Federal-Aid Policy Guide, maintaining the National Inventory will satisfy the legislative requirement for a State inventory. A primary purpose of the National Inventory is to provide for the existence of a uniform inventory database, which can be merged with accident/incident files and used to analyze information for planning and implementation of crossing improvement programs.

Railroads, with direction and guidance from the Association of American Railroads (AAR) and the American Short Line and Regional Railroad Association, were assigned the responsibility for making a site-specific inventory of each highway-rail grade crossing and for installing a unique identifying number at each location. The railroads were also identified as being responsible for the periodic updating of certain inventory information and the maintenance of the crossing number.

The State highway departments assisted in the project by providing site-specific highway location and use data. State public utility commissions and other State and local governmental agencies also participated in the project. The responsibility for updating certain highway information data items was determined to be the responsibility of the State and/or local governmental agencies.

The Inventory Data File is a record of grade crossing locations, and physical and operational characteristics, to provide information for the administration and statistical analysis of crossings. This information is reported on a voluntary basis to FRA on the U.S. DOT-AAR Crossing Inventory Form (Form FRA F6180.71).

The information contained on highway-rail incident reports is routinely merged with inventory data and the consolidated file is used for the development of Federal programs, funding alternatives for crossing improvement, studies related to railroad safety programs, effectiveness of warning devices, and for other safety programs and issues.

Although the inventory contains information on grade-separated crossings, the counts appearing in this section are only for at-grade crossings, i.e., the locations where the potential exists for an impact between a rail and a highway user.

CONTENTS**CHAPTER 9****HIGHWAY-RAIL GRADE CROSSING INVENTORY**

Tables	Title	Page
9-1	At-Grade Highway-Rail Crossings, by Railroad, 2010	121
9-2	At-Grade Highway-Rail Crossings, by State, 2010	122
9-3	Public At-Grade Crossings, by Warning Device and Railroad, 2010	123
9-4	Public At-Grade Crossings, by Warning Device and State, 2010	124
9-5	Private/Pedestrian At-Grade Crossings, by Type of Development and Railroad, 2010	125
9-6	Private/Pedestrian At-Grade Crossings, by Type of Development and State, 2010	126

TABLE 9-1 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY RAILROAD, 2010

Railroads	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alaska RR Corp.	274	0.1	5	0.0	97	0.0	172	0.1
Amtrak	234	0.1	19	0.0	46	0.0	169	0.1
Burlington Northern Santa Fe	25,806	12.1	168	0.1	8,881	4.2	16,757	7.8
Buffalo & Pittsburg	891	0.4	10	0.0	453	0.2	428	0.2
Belt Rwy Of Chicago	99	0.0	-	-	61	0.0	38	0.0
Canadian National	10,003	4.7	130	0.1	3,666	1.7	6,207	2.9
Canadian Pacific	6,804	3.2	45	0.0	3,002	1.4	3,757	1.8
Conrail Shared Assets	1,139	0.5	16	0.0	282	0.1	841	0.4
CSX Transportation	27,006	12.6	305	0.1	9,515	4.5	17,186	8.0
Florida East Coast	708	0.3	8	0.0	88	0.0	612	0.3
Guilford Rail System	1,171	0.5	12	0.0	520	0.2	639	0.3
Other Railroads	72,991	34.2	652	0.3	30,561	14.3	41,778	19.6
Indiana Harbor Belt	122	0.1	1	0.0	53	0.0	68	0.0
Kansas City Southern	4,050	1.9	9	0.0	1,408	0.7	2,633	1.2
Long Island Rail Road	338	0.2	6	0.0	46	0.0	286	0.1
MD Assn. of Rail Comm	133	0.1	4	0.0	78	0.0	51	0.0
Mass Bay Transit Auth.	333	0.2	8	0.0	32	0.0	293	0.1
Metro North Commuter	170	0.1	4	0.0	79	0.0	87	0.0
Montana Rail Link	1,117	0.5	3	0.0	706	0.3	408	0.2
Northern IN Comm Trans	137	0.1	7	0.0	22	0.0	108	0.1
Northeast IL Reg Comm	399	0.2	114	0.1	28	0.0	257	0.1
New Jersey Transit Rail	414	0.2	15	0.0	79	0.0	320	0.1
Norfolk Southern Corp.	26,198	12.3	192	0.1	10,400	4.9	15,606	7.3
Port Auth Trans Hudson	2	0.0	-	-	2	0.0	-	-
Peninsula Comm San Mateo Cnty	27	0.0	1	0.0	6	0.0	20	0.0
Port Terminal RR Assn	169	0.1	1	0.0	101	0.0	67	0.0
Southern CA Reg Rail Auth.	321	0.2	19	0.0	34	0.0	268	0.1
Southeastern PA Trans.	199	0.1	11	0.0	25	0.0	163	0.1
Term RR Assn Of St. Louis	115	0.1	-	-	12	0.0	103	0.0
Union Pacific	31,378	14.7	199	0.1	10,443	4.9	20,736	9.7
Union RR (Pittsburgh)	21	0.0	-	-	18	0.0	3	0.0
Wheeling & Lake Erie	911	0.4	8	0.0	398	0.2	505	0.2
Total	213,680	100.0	1,972	0.9	81,142	38.0	130,566	61.1

TABLE 9-2 AT-GRADE HIGHWAY-RAIL CROSSINGS, BY STATE, 2010

States	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	4,632	2.2	19	0.0	1,792	0.8	2,821	1.3
Alaska	278	0.1	5	0.0	97	0.0	176	0.1
Arizona	1,178	0.6	5	0.0	431	0.2	742	0.3
Arkansas	3,993	1.9	8	0.0	1,267	0.6	2,718	1.3
California	9,239	4.3	155	0.1	3,190	1.5	5,894	2.8
Colorado	2,787	1.3	26	0.0	1,054	0.5	1,707	0.8
Connecticut	637	0.3	9	0.0	266	0.1	362	0.2
Delaware	390	0.2	2	0.0	120	0.1	268	0.1
Dist Of Columbia	35	0.0	10	0.0	20	0.0	5	0.0
Florida	5,153	2.4	57	0.0	1,295	0.6	3,801	1.8
Georgia	7,705	3.6	51	0.0	2,443	1.1	5,211	2.4
Hawaii	8	0.0	-	-	-	-	8	0.0
Idaho	2,364	1.1	13	0.0	1,066	0.5	1,285	0.6
Illinois	12,035	5.6	326	0.2	3,902	1.8	7,807	3.7
Indiana	7,832	3.7	47	0.0	1,962	0.9	5,823	2.7
Iowa	6,945	3.3	37	0.0	2,553	1.2	4,355	2.0
Kansas	7,845	3.7	21	0.0	2,683	1.3	5,141	2.4
Kentucky	4,853	2.3	35	0.0	2,452	1.1	2,366	1.1
Louisiana	5,347	2.5	31	0.0	2,377	1.1	2,939	1.4
Maine	1,666	0.8	12	0.0	831	0.4	823	0.4
Maryland	1,310	0.6	22	0.0	655	0.3	633	0.3
Massachusetts	1,431	0.7	27	0.0	569	0.3	835	0.4
Michigan	6,962	3.3	90	0.0	2,204	1.0	4,668	2.2
Minnesota	6,911	3.2	57	0.0	2,411	1.1	4,443	2.1
Mississippi	4,332	2.0	19	0.0	2,100	1.0	2,213	1.0
Missouri	5,770	2.7	39	0.0	2,241	1.0	3,490	1.6
Montana	3,154	1.5	9	0.0	1,777	0.8	1,368	0.6
Nebraska	4,904	2.3	4	0.0	1,914	0.9	2,986	1.4
Nevada	523	0.2	5	0.0	234	0.1	284	0.1
New Hampshire	584	0.3	22	0.0	238	0.1	324	0.2
New Jersey	2,122	1.0	61	0.0	565	0.3	1,496	0.7
New Mexico	1,205	0.6	24	0.0	471	0.2	710	0.3
New York	5,378	2.5	67	0.0	2,629	1.2	2,682	1.3
North Carolina	7,186	3.4	73	0.0	3,072	1.4	4,041	1.9
North Dakota	4,694	2.2	15	0.0	1,208	0.6	3,471	1.6
Ohio	8,645	4.0	41	0.0	2,833	1.3	5,771	2.7
Oklahoma	5,087	2.4	14	0.0	1,314	0.6	3,759	1.8
Oregon	3,952	1.8	48	0.0	2,112	1.0	1,792	0.8
Pennsylvania	6,202	2.9	104	0.0	2,601	1.2	3,497	1.6
Rhode Island	144	0.1	26	0.0	51	0.0	67	0.0
South Carolina	3,958	1.9	28	0.0	1,272	0.6	2,658	1.2
South Dakota	2,945	1.4	4	0.0	1,067	0.5	1,874	0.9
Tennessee	4,668	2.2	26	0.0	1,895	0.9	2,747	1.3
Texas	14,184	6.6	19	0.0	4,858	2.3	9,307	4.4
Utah	1,267	0.6	4	0.0	572	0.3	691	0.3
Vermont	888	0.4	20	0.0	495	0.2	373	0.2
Virginia	4,534	2.1	41	0.0	2,611	1.2	1,882	0.9
Washington	4,846	2.3	43	0.0	2,400	1.1	2,403	1.1
West Virginia	3,495	1.6	57	0.0	2,007	0.9	1,431	0.7
Wisconsin	6,384	3.0	93	0.0	2,259	1.1	4,032	1.9
Wyoming	1,093	0.5	1	0.0	706	0.3	386	0.2
Total	213,680	100.0	1,972	0.9	81,142	38.0	130,566	61.1

TABLE 9-3 PUBLIC AT-GRADE CROSSINGS, BY WARNING DEVICE AND RAILROAD, 2010

Railroads	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%								
Alaska RR Corp.	172	0.13	2	1	57	25	5	-	9	73
Amtrak	169	0.13	9	-	-	1	2	2	2	153
Burlington Northern Santa Fe	16,757	12.83	218	29	7,268	748	87	91	1,824	6,492
Buffalo & Pittsburg	428	0.33	5	1	169	8	4	2	133	106
Belt Rwy Of Chicago	38	0.03	1	-	12	-	-	-	8	17
Canadian National	6,207	4.75	54	5	2,022	851	41	27	1,324	1,883
Canadian Pacific	3,757	2.88	60	3	1,735	519	11	11	444	974
Conrail Shared Assets	841	0.64	56	-	117	13	104	12	408	131
CSX Transportation	17,186	13.16	361	10	3,612	1,372	257	269	3,188	8,117
Florida East Coast	612	0.47	4	-	19	3	20	-	21	545
Guilford Rail System	639	0.49	30	4	146	29	55	7	210	158
Other Railroads	41,778	32.00	1,155	160	20,270	4,790	777	948	7,261	6,417
Indiana Harbor Belt	68	0.05	2	-	10	1	13	-	12	30
Kansas City Southern	2,633	2.02	34	-	1,173	96	11	21	313	985
Long Island Rail Road	286	0.22	7	2	2	-	-	2	-	273
MD Assn. of Rail Comm	51	0.04	7	-	11	6	4	7	9	7
Mass Bay Transit Auth.	293	0.22	13	-	35	2	17	3	23	200
Metro North Commuter	87	0.07	1	-	13	1	7	1	29	35
Montana Rail Link	408	0.31	2	4	197	30	1	1	70	103
Northern IN Comm Trans	108	0.08	-	-	27	3	-	1	34	43
Northeast IL Reg Comm	257	0.20	-	-	-	1	-	-	3	253
New Jersey Transit Rail	320	0.25	4	-	17	1	3	3	20	272
Norfolk Southern Corp.	15,606	11.95	394	25	3,426	1,446	203	198	2,587	7,327
Peninsula Comm San Mateo Cnty	20	0.02	1	-	-	-	-	1	6	12
Port Terminal RR Assn	67	0.05	6	-	22	3	-	-	11	25
Southern CA Reg Rail Auth.	268	0.21	5	-	5	2	-	5	7	244
Southeastern PA Trans.	163	0.12	5	-	1	19	3	27	13	95
Term RR Assn Of St. Louis	103	0.08	1	-	12	2	30	-	16	42
Union Pacific	20,736	15.88	390	23	6,900	1,632	111	221	2,474	8,985
Union RR (Pittsburgh)	3	0.00	-	-	-	-	-	-	1	2
Wheeling & Lake Erie	505	0.39	4	-	224	21	3	5	119	129
Total	130,566	100.0	2,831	267	47,502	11,625	1,769	1,865	20,579	44,128

TABLE 9-4 PUBLIC AT-GRADE CROSSINGS, BY WARNING DEVICE AND STATE, 2010

States	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates	AADT
	Cnt	%									
Alabama	2,821	2.16	40	8	727	677	16	88	515	750	5,572,876
Alaska	176	0.13	3	1	60	25	5	-	9	73	483,488
Arizona	742	0.57	7	-	197	67	13	6	51	401	2,583,559
Arkansas	2,718	2.08	103	1	1,450	220	45	76	381	442	3,070,971
California	5,894	4.51	97	15	1,649	200	24	162	714	3,033	31,421,546
Colorado	1,707	1.31	33	6	817	164	19	29	172	467	3,252,111
Connecticut	362	0.28	14	-	23	44	28	6	144	103	1,304,962
Delaware	268	0.21	2	-	22	1	17	1	156	69	1,155,656
Dist Of Columbia	5	0.00	-	-	-	1	2	-	2	-	71,200
Florida	3,801	2.91	63	3	606	202	67	7	445	2,408	23,619,821
Georgia	5,211	3.99	133	13	1,069	1,054	110	547	254	2,031	9,946,404
Hawaii	8	0.01	-	1	6	1	-	-	-	-	27,000
Idaho	1,285	0.98	9	-	411	533	1	3	171	157	1,696,007
Illinois	7,807	5.98	188	5	2,414	79	70	109	1,833	3,109	19,076,303
Indiana	5,823	4.46	80	13	1,400	1,015	7	65	1,215	2,028	13,465,592
Iowa	4,355	3.34	30	3	2,069	431	19	23	811	969	5,272,735
Kansas	5,141	3.94	40	1	3,147	161	50	64	390	1,288	3,937,546
Kentucky	2,366	1.81	118	-	964	51	46	9	722	456	3,698,116
Louisiana	2,939	2.25	104	8	1,231	220	21	5	469	881	6,125,180
Maine	823	0.63	6	-	265	11	56	5	383	97	1,922,015
Maryland	633	0.48	22	3	199	40	24	20	200	125	2,194,305
Massachusetts	835	0.64	33	3	110	11	56	14	270	338	5,054,573
Michigan	4,668	3.58	81	3	979	1,357	60	38	1,205	945	13,746,392
Minnesota	4,443	3.40	44	6	1,805	1,076	11	4	398	1,099	6,335,113
Mississippi	2,213	1.69	48	55	749	407	27	35	407	485	4,045,395
Missouri	3,490	2.67	94	2	1,628	112	48	35	655	916	3,850,180
Montana	1,368	1.05	8	23	811	81	7	5	159	274	1,308,038
Nebraska	2,986	2.29	52	4	1,928	186	4	5	179	628	1,816,075
Nevada	284	0.22	4	2	95	28	2	1	20	132	773,391
New Hampshire	324	0.25	20	1	90	50	20	1	110	32	797,535
New Jersey	1,496	1.15	66	-	232	17	99	21	583	478	8,967,136
New Mexico	710	0.54	26	4	330	19	-	3	76	252	1,113,463
New York	2,682	2.05	53	8	451	35	87	60	267	1,721	7,506,224
North Carolina	4,041	3.09	186	11	1,083	117	87	12	437	2,108	13,410,327
North Dakota	3,471	2.66	54	1	2,768	65	-	-	19	564	1,037,168
Ohio	5,771	4.42	27	1	1,959	126	35	30	805	2,788	14,647,042
Oklahoma	3,759	2.88	50	7	2,181	83	52	14	494	878	4,077,721
Oregon	1,792	1.37	37	14	522	365	30	10	62	752	4,112,147
Pennsylvania	3,497	2.68	73	13	1,017	168	183	63	1,017	963	6,535,328
Rhode Island	67	0.05	6	-	4	-	9	17	15	16	371,000
South Carolina	2,658	2.04	9	3	488	657	59	9	348	1,085	5,995,344
South Dakota	1,874	1.44	65	-	1,461	40	-	-	250	58	1,054,990
Tennessee	2,747	2.10	45	3	1,045	158	85	14	581	816	5,849,458
Texas	9,307	7.13	258	6	3,207	203	50	146	834	4,603	29,200,186
Utah	691	0.53	22	2	167	130	31	11	88	240	2,653,475
Vermont	373	0.29	5	-	106	25	30	2	174	31	701,702
Virginia	1,882	1.44	43	2	294	44	5	21	295	1,178	5,040,042
Washington	2,403	1.84	202	4	1,148	92	29	25	318	585	4,485,749
West Virginia	1,431	1.10	82	6	605	38	9	8	454	229	2,075,361
Wisconsin	4,032	3.09	39	2	1,402	733	13	31	964	848	8,807,646
Wyoming	386	0.30	7	-	111	5	1	5	58	199	346,716
Total	130,566	100.0	2,831	267	47,502	11,625	1,769	1,865	20,579	44,128	305,612,310

TABLE 9-5 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS, BY TYPE OF DEVELOPMENT AND RAILROAD, 2010

Railroads	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alaska RR Corp.	97	0.12	4	4	15	6	68
Amtrak	46	0.06	2	10	7	1	26
Burlington Northern Santa Fe	8,881	10.93	25	6,085	672	158	1,941
Buffalo & Pittsburg	453	0.56	5	195	109	24	120
Belt Rwy Of Chicago	61	0.08	-	-	-	-	61
Canadian National	3,669	4.52	27	1,889	353	96	1,304
Canadian Pacific	3,005	3.70	30	2,171	271	83	450
Conrail Shared Assets	287	0.35	3	44	20	4	216
CSX Transportation	9,526	11.72	377	4,777	1,710	149	2,513
Florida East Coast	89	0.11	71	2	2	1	13
Guilford Rail System	520	0.64	-	154	51	20	295
Other Railroads	30,605	37.67	637	17,389	4,227	861	7,491
Indiana Harbor Belt	53	0.07	2	-	-	-	51
Kansas City Southern	1,408	1.73	19	952	184	11	242
Long Island Rail Road	46	0.06	5	25	7	5	4
MD Assn. of Rail Comm	78	0.10	-	50	10	2	16
Mass Bay Transit Auth.	32	0.04	3	10	6	1	12
Metro North Commuter	79	0.10	1	13	11	9	45
Montana Rail Link	706	0.87	5	485	59	18	139
Northern IN Comm Trans	27	0.03	8	6	-	2	11
Northeast IL Reg Comm	39	0.05	9	2	6	1	21
New Jersey Transit Rail	79	0.10	9	26	15	5	24
Norfolk Southern Corp.	10,416	12.82	807	4,848	2,219	147	2,395
Port Auth Trans Hudson	2	0.00	-	1	-	-	1
Peninsula Comm San Mateo Cnty	6	0.01	-	-	-	-	6
Port Terminal RR Assn	101	0.12	-	2	-	-	99
Southern CA Reg Rail Auth.	36	0.04	1	7	7	3	18
Southeastern PA Trans.	25	0.03	-	9	4	2	10
Term RR Assn Of St. Louis	12	0.01	-	3	-	-	9
Union Pacific	10,446	12.86	143	6,801	1,029	121	2,352
Union RR (Pittsburgh)	18	0.02	-	-	-	-	18
Wheeling & Lake Erie	398	0.49	2	213	32	6	145
Total	81,246	100.0	2,195	46,173	11,026	1,736	20,116

TABLE 9-6 PRIVATE/PEDESTRIAN AT-GRADE CROSSINGS, BY TYPE OF DEVELOPMENT AND STATE, 2010

States	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alabama	1,793	2.21	26	877	289	21	580
Alaska	97	0.12	4	4	15	6	68
Arizona	431	0.53	10	258	17	14	132
Arkansas	1,267	1.56	11	801	192	20	243
California	3,193	3.93	60	1,470	254	85	1,324
Colorado	1,054	1.30	18	631	190	14	201
Connecticut	266	0.33	10	55	35	30	136
Delaware	120	0.15	3	52	35	5	25
Dist Of Columbia	28	0.03	1	-	1	-	26
Florida	1,306	1.61	190	411	174	24	507
Georgia	2,443	3.01	17	1,217	504	35	670
Idaho	1,066	1.31	1	676	46	20	323
Illinois	3,914	4.82	35	2,409	357	60	1,053
Indiana	1,971	2.43	105	1,159	349	17	341
Iowa	2,553	3.14	25	1,789	271	38	430
Kansas	2,683	3.30	10	2,200	145	5	323
Kentucky	2,452	3.02	5	1,362	663	16	406
Louisiana	2,377	2.93	76	1,119	396	23	763
Maine	831	1.02	19	314	122	117	259
Maryland	655	0.81	14	332	77	15	217
Massachusetts	569	0.70	7	180	70	42	270
Michigan	2,206	2.72	45	1,025	369	154	613
Minnesota	2,415	2.97	18	1,714	217	52	414
Mississippi	2,104	2.59	27	1,210	416	51	400
Missouri	2,242	2.76	8	1,596	273	15	350
Montana	1,777	2.19	5	1,394	88	29	261
Nebraska	1,914	2.36	1	1,671	65	11	166
Nevada	234	0.29	136	32	2	17	47
New Hampshire	242	0.30	1	110	50	27	54
New Jersey	584	0.72	22	157	52	14	339
New Mexico	472	0.58	3	330	24	16	99
New York	2,637	3.25	44	1,634	355	151	453
North Carolina	3,074	3.78	41	1,334	842	42	815
North Dakota	1,208	1.49	1	1,094	12	4	97
Ohio	2,835	3.49	34	1,745	307	33	716
Oklahoma	1,314	1.62	5	926	118	13	252
Oregon	2,110	2.60	6	910	305	34	855
Pennsylvania	2,602	3.20	51	979	485	130	957
Rhode Island	61	0.08	12	2	7	7	33
South Carolina	1,272	1.57	5	559	301	24	383
South Dakota	1,067	1.31	6	897	66	6	92
Tennessee	1,897	2.33	17	952	397	26	505
Texas	4,858	5.98	12	3,138	512	37	1,159
Utah	572	0.70	2	329	22	13	206
Vermont	496	0.61	4	334	56	16	86
Virginia	2,611	3.21	998	888	314	29	382
Washington	2,400	2.95	26	1,060	377	55	882
West Virginia	2,008	2.47	14	818	614	67	495
Wisconsin	2,259	2.78	2	1,475	166	48	568
Wyoming	706	0.87	2	544	12	8	140
Total	81,246	100.0	2,195	46,173	11,026	1,736	20,116

CHAPTER 10

TRESPASSERS NOT AT HIGHWAY-RAIL GRADE CROSSINGS

A “trespasser” is defined as any person who is on railroad property used in railroad operation and whose presence is prohibited, forbidden, or unlawful. Employees who are trespassing on railroad property are to be reported as trespassers (Class E).

A person on a highway-rail grade crossing should not be classified as a trespasser unless the crossing is protected by gates or other similar barriers that were closed when the person went on the crossing, or unless the person attempted to pass over, under, or between cars or locomotives of a consist occupying the crossing. Although these individuals are identified as “trespassers” on Form FRA F6180.55a, they are excluded from this chapter because the incident is defined as a highway-rail incident. The casualties that summarize highway-rail grade crossing incidents can be found in Chapters 7 and 8.

CONTENTS

CHAPTER 10

TRESPASSERS NOT AT HIGHWAY-RAIL GRADE CROSSINGS

Tables	Title	Page
10-1	Reportable Conditions to Trespassers by Age, Not at HRC, 2010	129
10-2	Trespassers Killed, by Railroad and Age, Not at HRC, 2010	130
10-3	Trespassers Killed, by State and Age, Not at HRC, 2010	131
10-4	Trespassers Injured, by Railroad and Age, Not at HRC, 2010	132
10-5	Trespassers Injured, by State and Age, Not at HRC, 2010	133
10-6	Trespasser Casualties, by State and Age Group, Not at HRC, 2010	134
10-7	Trespasser Casualties, by Month and Day, Not at HRC, 2010	135
10-8	Trespasser Casualties, by Time and Day, Not at HRC, 2010	136
10-9	Trespasser Casualties, by Location, Not at HRC, 2010	137
10-10	Trespasser Casualties, by Event, Not at HRC, 2010	138

TABLE 10-1 REPORTABLE CONDITIONS TO TRESPASSERS BY AGE, NOT AT HRC, 2010

Condition	Age of Trespasser														
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Bruise / contusion	62	5	-	2	-	3	10	6	9	5	6	6	6	4	-
Crushing injury	18	1	-	1	1	1	1	1	3	2	1	-	3	2	1
Sprain / Str.,leg / foot	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Sprain / Str.,head / fac	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Sprain / Str.,torso	6	1	-	-	-	-	-	1	1	-	2	-	-	-	1
Cut / abrasion	87	11	-	3	2	12	12	10	7	6	8	3	8	2	3
Electric shock / burn	4	1	-	-	-	2	-	-	-	1	-	-	-	-	-
Dislocation	2	-	-	-	-	-	-	-	1	-	-	1	-	-	-
Fracture,arm / hand	23	1	-	-	-	5	3	1	2	1	-	-	2	2	6
Fracture,leg / foot	18	2	-	-	-	2	2	4	-	1	-	3	1	3	-
Fracture,head / face	7	2	-	1	1	1	-	1	-	-	1	-	-	-	-
Fracture,torso	13	1	-	-	-	4	1	-	-	2	2	2	-	1	-
Fracture,multiple	5	-	-	-	-	-	1	1	-	1	-	1	1	-	-
Fracture,other	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Amputation,arm / hand	8	1	-	-	-	-	3	-	1	2	1	-	-	-	-
Amputation,leg / foot	41	5	1	1	2	6	3	5	1	-	3	8	3	1	2
Amputation,head / face	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Amputation,torso	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Amputation,other	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-
Fatality	434	47	2	5	13	52	39	43	29	35	50	41	32	20	26
Concussion	6	2	1	-	-	1	-	1	-	-	1	-	-	-	-
Nervous shock	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Internal injury	10	-	-	-	2	4	-	1	-	2	-	-	-	-	1
Unspecified injury	69	24	-	1	4	8	7	4	5	2	3	3	4	1	3
Total	822	104	4	14	25	101	86	79	60	61	79	68	61	36	44

TABLE 10-2 TRESPASSERS KILLED, BY RAILROAD AND AGE, NOT AT HRC, 2010

Railroads	Tot	Age of Trespasser													
		Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Amtrak	82	3	-	-	3	17	7	7	1	9	10	6	5	8	6
Burlington Northern Santa Fe	70	9	-	-	1	4	11	7	5	4	9	8	5	2	5
Canadian National	11	-	-	-	1	1	1	-	1	1	2	2	1	-	1
Canadian Pacific	3	1	-	-	-	-	1	1	-	-	-	-	-	-	-
CSX Transportation	81	24	-	-	1	8	6	3	4	5	11	5	6	4	4
Florida East Coast	18	-	-	-	3	1	1	5	2	1	2	-	1	-	2
Kansas City Southern	13	-	1	-	-	1	-	3	1	-	1	5	-	-	1
Long Island Rail Road	7	-	-	-	-	-	-	-	-	1	1	1	1	2	1
Mass Bay Transit Auth.	2	1	-	-	-	-	-	-	-	-	-	-	1	-	-
Metro North Commuter	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	11	-	-	-	-	-	1	-	3	2	1	2	1	-	1
New Jersey Transit Rail	11	-	-	-	2	-	-	2	2	1	2	-	-	-	2
Norfolk Southern Corp.	43	-	1	5	-	5	3	5	2	3	4	7	5	2	1
Southern CA Reg Rail Auth.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	4	3	-	-	1	-	-	-	-	-	-	-	-	-	-
Union Pacific	59	-	-	-	-	14	6	8	7	7	5	3	5	2	2
Other Railroads	15	4	-	-	1	-	1	2	1	1	2	2	1	-	-
Total	434	47	2	5	13	52	39	43	29	35	50	41	32	20	26

TABLE 10-3 TRESPASSERS KILLED, BY STATE AND AGE, NOT AT HRC, 2010

States	Age of Trespasser															
	Tot	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60	
Alabama	5	1	-	-	-	-	-	-	1	-	1	1	1	-	-	
Arizona	9	2	-	-	-	1	-	2	-	2	1	-	1	-	-	
Arkansas	6	-	-	-	-	-	1	-	1	-	-	2	1	1	-	
California	59	3	-	-	2	14	6	7	3	4	7	2	5	2	4	
Colorado	4	-	-	-	-	-	1	1	-	-	-	-	1	-	1	
Connecticut	5	1	-	-	-	-	-	-	-	1	-	-	-	2	1	
Delaware	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Dist Of Columbia	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Florida	35	6	-	-	3	2	1	6	2	2	4	2	2	-	5	
Georgia	16	1	-	1	-	2	2	1	1	4	-	2	1	1	-	
Illinois	31	-	-	-	1	3	2	1	4	6	4	5	1	1	3	
Indiana	6	1	-	-	-	-	-	-	-	-	1	1	1	2	-	
Iowa	2	1	-	-	-	1	-	-	-	-	-	-	-	-	-	
Kansas	3	1	-	-	-	-	1	-	-	-	1	-	-	-	-	
Kentucky	5	-	-	-	-	-	1	1	-	1	-	1	-	1	-	
Louisiana	11	-	-	-	-	-	2	3	-	-	1	3	1	-	1	
Maryland	17	5	-	-	1	2	1	1	1	-	3	3	-	-	-	
Massachusetts	4	1	-	-	-	1	-	1	-	-	-	-	1	-	-	
Michigan	9	1	-	-	-	1	1	-	-	-	1	2	-	3	-	
Minnesota	3	-	-	-	-	-	1	-	1	-	-	1	-	-	-	
Mississippi	4	1	-	-	-	-	-	1	1	-	1	-	-	-	-	
Missouri	8	1	1	-	-	1	-	1	1	-	-	1	-	1	1	
Montana	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-	
Nebraska	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Nevada	4	-	-	-	-	-	1	-	-	2	1	-	-	-	-	
New Jersey	17	1	-	-	1	-	1	3	2	3	2	-	1	1	2	
New Mexico	8	2	-	-	-	1	-	1	-	1	2	1	-	-	-	
New York	20	5	-	-	1	2	1	-	1	2	1	1	2	2	2	
North Carolina	18	-	-	2	-	2	2	2	1	-	2	1	3	1	2	
North Dakota	2	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
Ohio	14	-	-	-	-	2	1	1	1	1	6	-	2	-	-	
Oklahoma	6	-	-	-	-	-	-	3	1	-	-	-	1	1	-	
Oregon	5	-	-	-	-	-	3	1	1	-	-	-	-	-	-	
Pennsylvania	23	5	-	-	3	4	3	3	-	-	2	-	2	1	-	
South Carolina	5	-	-	2	-	-	1	-	-	-	-	2	-	-	-	
South Dakota	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Tennessee	7	1	-	-	-	1	-	-	1	2	-	1	1	-	-	
Texas	28	2	-	-	-	7	1	2	3	-	3	6	1	-	3	
Utah	2	-	-	-	1	-	1	-	-	-	-	-	-	-	-	
Virginia	6	2	1	-	-	1	-	-	-	-	-	1	1	-	-	
Washington	11	-	-	-	-	3	1	-	1	2	2	1	-	-	1	
West Virginia	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	
Wisconsin	9	-	-	-	-	-	3	-	1	1	2	1	1	-	-	
Total	434	47	2	5	13	52	39	43	29	35	50	41	32	20	26	

TABLE 10-4 TRESPASSERS INJURED, BY RAILROAD AND AGE, NOT AT HRC, 2010

Railroads			Age of Trespasser													
	Cnt	%	Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alaska RR Corp.	1	0.3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Amtrak	33	8.5	3	-	-	2	8	3	2	4	2	4	-	2	1	2
Burlington Northern Santa Fe	65	16.8	14	-	-	1	11	10	2	3	4	3	5	6	1	5
Canadian National	9	2.3	-	-	1	-	2	1	-	1	-	1	-	1	1	1
Canadian Pacific	9	2.3	-	-	-	1	-	1	3	-	2	-	1	1	-	-
Conrail Shared Assets	2	0.5	-	-	-	-	1	-	-	-	-	-	1	-	-	-
CSX Transportation	69	17.8	22	-	1	5	4	6	5	4	5	3	5	5	3	1
Florida East Coast	7	1.8	-	-	1	-	-	1	1	-	1	-	2	-	1	-
Guilford Rail System	1	0.3	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Kansas City Southern	7	1.8	-	1	-	-	-	-	-	1	-	1	1	2	-	1
Long Island Rail Road	12	3.1	1	-	-	-	1	1	-	3	2	1	-	2	1	-
Mass Bay Transit Auth.	5	1.3	2	-	-	-	-	-	-	1	-	1	-	1	-	-
Metro North Commuter	3	0.8	-	-	-	-	2	-	-	-	-	-	-	-	-	1
Northeast IL Reg Comm	8	2.1	-	-	-	-	1	1	1	1	-	1	2	-	1	-
New Jersey Transit Rail	4	1.0	2	-	-	-	-	-	-	-	-	-	1	-	-	1
Norfolk Southern Corp.	44	11.3	1	1	5	2	5	9	6	4	2	4	-	2	1	2
Port Auth Trans Hudson	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	2	0.5	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Southern CA Reg Rail Auth.	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	7	1.8	5	-	-	-	-	-	-	-	1	-	-	-	-	1
Union Pacific	82	21.1	-	-	-	1	11	13	13	8	6	9	7	6	5	3
Other Railroads	16	4.1	5	-	1	-	2	1	2	1	1	1	1	1	-	-
Total	388	100	57	2	9	12	49	47	36	31	26	29	27	29	16	18

TABLE 10-5 TRESPASSERS INJURED, BY STATE AND AGE, NOT AT HRC, 2010

States	Cnt	%	Age of Trespasser													
			Unk	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alabama	9	2.3	4	-	-	-	-	-	-	-	1	-	-	2	-	2
Alaska	1	0.3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Arizona	6	1.5	2	-	-	-	2	-	-	-	2	-	-	-	-	-
Arkansas	1	0.3	-	-	-	-	1	-	-	-	-	-	-	-	-	-
California	53	13.7	3	-	-	2	9	12	5	5	-	4	4	5	3	1
Colorado	6	1.5	-	-	-	-	1	-	1	-	1	-	-	2	1	-
Connecticut	4	1.0	-	-	-	-	2	1	-	-	-	1	-	-	-	-
Florida	13	3.4	4	-	1	-	-	1	2	-	1	-	2	1	1	-
Georgia	14	3.6	1	1	-	-	1	1	2	1	1	3	-	1	1	1
Idaho	2	0.5	-	-	-	-	-	-	-	-	-	1	1	-	-	-
Illinois	25	6.4	1	-	1	-	3	3	3	4	4	1	2	1	1	1
Indiana	9	2.3	1	-	-	1	-	2	1	-	3	1	-	-	-	-
Iowa	6	1.5	1	-	-	1	1	1	1	-	-	-	1	-	-	-
Kansas	6	1.5	-	-	-	-	1	-	1	-	1	1	1	-	-	1
Kentucky	6	1.5	1	-	1	-	1	1	-	1	1	-	-	-	-	-
Louisiana	6	1.5	-	-	-	-	-	-	-	-	-	2	-	3	-	1
Maine	1	0.3	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Maryland	7	1.8	3	-	-	-	-	2	-	-	-	-	1	1	-	-
Massachusetts	10	2.6	4	-	-	1	-	1	1	1	-	1	-	1	-	-
Michigan	8	2.1	-	-	-	2	1	-	1	1	-	-	1	-	1	1
Minnesota	6	1.5	1	-	-	-	2	-	1	-	1	-	-	1	-	-
Mississippi	3	0.8	-	-	-	-	1	-	-	1	1	-	-	-	-	-
Missouri	10	2.6	-	1	-	-	1	4	-	1	1	-	1	1	-	-
Montana	3	0.8	-	-	-	-	1	1	-	-	-	-	-	-	-	1
Nebraska	4	1.0	-	-	-	1	1	1	-	1	-	-	-	-	-	-
Nevada	4	1.0	-	-	-	-	-	1	-	2	-	-	-	-	1	-
New Jersey	8	2.1	3	-	-	-	2	-	-	-	-	1	2	-	-	-
New Mexico	7	1.8	2	-	-	-	2	1	-	-	-	-	-	1	-	1
New York	19	4.9	2	-	-	1	4	1	-	3	2	1	-	2	1	2
North Carolina	15	3.9	4	-	2	2	1	3	-	1	1	1	-	-	-	-
North Dakota	1	0.3	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	12	3.1	1	-	-	-	2	2	2	1	-	1	2	1	-	-
Oklahoma	4	1.0	-	-	-	-	1	1	-	-	-	-	1	-	1	-
Oregon	9	2.3	1	-	-	-	-	-	1	2	2	-	2	1	-	-
Pennsylvania	19	4.9	6	-	-	1	4	1	2	-	2	-	1	1	-	1
South Carolina	7	1.8	-	-	3	-	-	1	1	1	-	-	-	1	-	-
South Dakota	1	0.3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Tennessee	6	1.5	1	-	-	-	-	-	-	2	1	-	-	-	1	1
Texas	33	8.5	6	-	1	-	1	1	7	1	-	7	2	2	2	3
Virginia	4	1.0	1	-	-	-	-	-	2	-	-	-	-	1	-	-
Washington	10	2.6	2	-	-	-	3	2	-	1	-	1	-	-	-	1
West Virginia	6	1.5	1	-	-	-	-	1	-	1	-	-	1	-	2	-
Wisconsin	3	0.8	-	-	-	-	-	1	1	-	-	1	-	-	-	-
Wyoming	1	0.3	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Total	388	100	57	2	9	12	49	47	36	31	26	29	27	29	16	18

TABLE 10-6 TRESPASSER CASUALTIES, BY STATE AND AGE GROUP, NOT AT HRC, 2010

States	Deaths				Total Killed		Nonfatal Cases				Total Injured	
	Age Group				Cnt	%	Age Group				Cnt	%
	Unk	< 16	16-21	> 21			Unk	< 16	16-21	> 21		
Alabama	1	-	-	4	5	1.2	4	-	-	5	9	2.3
Alaska	-	-	-	-	0	0.0	-	-	-	1	1	0.3
Arizona	2	-	1	6	9	2.1	2	-	2	2	6	1.5
Arkansas	-	-	-	6	6	1.4	-	-	1	-	1	0.3
California	3	2	14	40	59	13.6	3	2	15	33	53	13.7
Colorado	-	-	-	4	4	0.9	-	-	1	5	6	1.5
Connecticut	1	-	-	4	5	1.2	-	-	3	1	4	1.0
Delaware	-	-	-	1	1	0.2	-	-	-	-	0	0.0
Dist Of Columbia	1	-	-	-	1	0.2	-	-	-	-	0	0.0
Florida	6	3	3	23	35	8.1	4	1	1	7	13	3.4
Georgia	1	1	2	12	16	3.7	1	1	1	11	14	3.6
Idaho	-	-	-	-	0	0.0	-	-	-	2	2	0.5
Illinois	-	1	3	27	31	7.1	1	1	4	19	25	6.4
Indiana	1	-	-	5	6	1.4	1	1	-	7	9	2.3
Iowa	1	-	1	-	2	0.5	1	1	1	3	6	1.5
Kansas	1	-	-	2	3	0.7	-	-	1	5	6	1.5
Kentucky	-	-	-	5	5	1.2	1	1	1	3	6	1.5
Louisiana	-	-	1	10	11	2.5	-	-	-	6	6	1.5
Maine	-	-	-	-	0	0.0	-	-	-	1	1	0.3
Maryland	5	1	2	9	17	3.9	3	-	-	4	7	1.8
Massachusetts	1	-	1	2	4	0.9	4	1	-	5	10	2.6
Michigan	1	-	1	7	9	2.1	-	2	1	5	8	2.1
Minnesota	-	-	1	2	3	0.7	1	-	2	3	6	1.5
Mississippi	1	-	-	3	4	0.9	-	-	1	2	3	0.8
Missouri	1	1	1	5	8	1.8	-	1	3	6	10	2.6
Montana	-	-	-	2	2	0.5	-	-	1	2	3	0.8
Nebraska	-	-	1	-	1	0.2	-	1	1	2	4	1.0
Nevada	-	-	-	4	4	0.9	-	-	-	4	4	1.0
New Jersey	1	1	1	14	17	3.9	3	-	2	3	8	2.1
New Mexico	2	-	1	5	8	1.8	2	-	2	3	7	1.8
New York	5	1	2	12	20	4.6	2	1	5	11	19	4.9
North Carolina	-	2	3	13	18	4.1	4	4	1	6	15	3.9
North Dakota	1	-	-	1	2	0.5	1	-	-	-	1	0.3
Ohio	-	-	2	12	14	3.2	1	-	3	8	12	3.1
Oklahoma	-	-	-	6	6	1.4	-	-	1	3	4	1.0
Oregon	-	-	-	5	5	1.2	1	-	-	8	9	2.3
Pennsylvania	5	3	4	11	23	5.3	6	1	5	7	19	4.9
South Carolina	-	2	-	3	5	1.2	-	3	-	4	7	1.8
South Dakota	-	-	-	1	1	0.2	-	-	-	1	1	0.3
Tennessee	1	-	1	5	7	1.6	1	-	-	5	6	1.5
Texas	2	-	7	19	28	6.5	6	1	2	24	33	8.5
Utah	-	1	1	-	2	0.5	-	-	-	-	0	0.0
Virginia	2	1	1	2	6	1.4	1	-	-	3	4	1.0
Washington	-	-	3	8	11	2.5	2	-	4	4	10	2.6
West Virginia	1	-	-	-	1	0.2	1	-	-	5	6	1.5
Wisconsin	-	-	-	9	9	2.1	-	-	1	2	3	0.8
Wyoming	-	-	-	-	0	0.0	-	-	-	1	1	0.3
Total	47	20	58	309	434	100.0	57	23	66	242	388	100.0

TABLE 10-7 TRESPASSER CASUALTIES, BY MONTH AND DAY, NOT AT HRC, 2010

Cond Month		Total		Day of The Week							Age of Person				
		Cnt	%	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Unk	< 16	16-21	> 21	
Kid	January	24	2.9	5	3	5	2	1	3	5	3	1	3	17	
	February	30	3.6	2	2	1	4	6	5	10	2	4	4	20	
	March	26	3.2	1	9	2	2	5	6	1	3	-	4	19	
	April	32	3.9	3	3	3	4	7	7	5	2	2	5	23	
	May	52	6.3	9	6	3	6	9	5	14	6	3	5	38	
	June	46	5.6	9	4	7	12	4	3	7	3	2	4	37	
	July	51	6.2	7	3	6	3	15	4	13	9	-	4	38	
	August	39	4.7	8	6	5	5	4	3	8	2	1	9	27	
	September	34	4.1	5	2	5	3	5	4	10	7	1	3	23	
	October	40	4.9	10	6	6	6	4	5	3	5	2	7	26	
	November	32	3.9	5	4	4	3	7	6	3	2	1	3	26	
	December	28	3.4	3	9	2	3	2	5	4	3	3	7	15	
Total		434	52.8	67	57	49	53	69	56	83	47	20	58	309	
Nonfatal	January	18	2.2	-	5	1	1	3	5	3	-	-	4	14	
	February	23	2.8	8	3	1	2	1	6	2	4	2	2	15	
	March	25	3.0	4	6	4	2	4	2	3	3	3	3	16	
	April	17	2.1	1	2	2	1	4	4	3	4	1	3	9	
	May	33	4.0	5	2	2	6	6	1	11	3	2	4	24	
	June	47	5.7	8	4	7	4	7	9	8	8	2	5	32	
	July	31	3.8	8	3	3	4	4	2	7	5	3	6	17	
	August	42	5.1	9	8	3	4	4	9	5	5	1	9	27	
	September	45	5.5	3	5	4	10	8	4	11	7	1	10	27	
	October	46	5.6	5	8	2	7	3	6	15	5	3	10	28	
	November	31	3.8	8	4	3	1	3	5	7	3	3	7	18	
	December	30	3.6	3	3	7	4	3	3	7	10	2	3	15	
Total		388	47.2	62	53	39	46	50	56	82	57	23	66	242	
Total		822	100	129	110	88	99	119	112	165	104	43	124	551	

TABLE 10-8 TRESPASSER CASUALTIES, BY TIME AND DAY, NOT AT HRC, 2010

Time		Total	Day of The Week													
			Sun		Mon		Tue		Wed		Thu		Fri		Sat	
			Cnt	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld
AM	1	38	2	4	2	4	1	3	-	-	5	2	4	3	4	4
	2	47	5	6	2	-	1	3	3	1	2	3	2	3	7	9
	3	31	5	5	-	2	1	-	1	2	1	2	1	3	4	4
	4	31	-	3	3	-	1	-	1	3	6	-	1	1	7	5
	5	21	2	1	1	-	2	-	4	-	4	1	1	1	2	2
	6	27	4	3	1	-	-	1	2	1	3	2	2	2	5	1
	7	20	-	1	2	2	2	-	1	-	6	-	1	1	3	1
	8	17	2	-	2	-	2	1	2	2	1	1	-	1	3	-
	9	32	2	2	2	4	4	1	4	3	2	2	2	1	2	1
	10	37	2	2	1	4	2	3	2	3	6	3	2	4	2	1
	11	21	2	2	-	3	-	1	1	-	1	1	1	2	3	4
	12	57	4	5	5	5	4	3	3	3	2	3	3	3	9	5
	Total	379	30	34	21	24	20	16	24	18	39	20	20	25	51	37
	PM	1	30	3	-	1	-	2	2	5	2	3	3	4	-	2
2		32	3	1	5	1	-	-	3	1	5	2	-	3	3	5
3		32	2	4	4	5	4	3	2	1	2	1	2	-	1	1
4		41	1	3	4	3	2	3	-	3	1	3	5	2	2	9
5		49	3	6	1	5	3	4	3	4	4	3	5	4	2	2
6		39	6	4	1	1	3	3	2	2	1	2	1	1	6	6
7		27	4	1	1	4	1	1	-	1	1	1	5	4	1	2
8		37	3	-	7	1	2	1	3	3	3	5	1	3	4	1
9		46	3	4	3	4	3	2	5	1	2	6	4	3	5	1
10		44	3	3	4	4	4	1	2	4	2	2	3	5	2	5
11		36	2	1	3	1	2	2	2	4	5	1	4	3	-	6
12		30	4	1	2	-	3	1	2	2	1	1	2	3	4	4
Total		443	37	28	36	29	29	23	29	28	30	30	36	31	32	45
Total		822	67	62	57	53	49	39	53	46	69	50	56	56	83	82

TABLE 10-9 TRESPASSER CASUALTIES, BY LOCATION, NOT AT HRC, 2010

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Alongside of on-track equipmen	36	4.4	15	3.5	21	5.4	2	3	4	27
Beside track	158	19.2	59	13.6	99	25.5	24	4	23	107
Between tracks	128	15.6	88	20.3	40	10.3	17	1	15	95
Between cars/locomotives	8	1.0	3	0.7	5	1.3	-	-	1	7
In cab or on walkways of locom	2	0.2	-	0.0	2	0.5	-	-	-	2
In car	10	1.2	3	0.7	7	1.8	-	-	2	8
In/operating vehicle	23	2.8	3	0.7	20	5.2	3	1	6	13
In tunnel	1	0.1	-	0.0	1	0.3	-	-	-	1
On bridge/trestle	38	4.6	14	3.2	24	6.2	5	7	13	13
On highway-rail crossing	5	0.6	1	0.2	4	1.0	-	-	-	5
On other rail crossing	1	0.1	1	0.2	-	0.0	-	-	-	1
On side of car	19	2.3	4	0.9	15	3.9	-	4	7	8
On track	361	43.9	232	53.5	129	33.2	49	22	47	243
On end of car	6	0.7	3	0.7	3	0.8	-	1	-	5
On pole/signal mast	2	0.2	-	0.0	2	0.5	1	-	-	1
On platform	7	0.9	2	0.5	5	1.3	-	-	3	4
Other location on locomotive	1	0.1	-	0.0	1	0.3	-	-	-	1
Under car	1	0.1	1	0.2	-	0.0	-	-	-	1
Locomotive, on top of	1	0.1	-	0.0	1	0.3	-	-	-	1
Car, on top of (rail car)	4	0.5	2	0.5	2	0.5	1	-	1	2
Depot	1	0.1	-	0.0	1	0.3	-	-	-	1
Other location	9	1.1	3	0.7	6	1.5	2	-	2	5
Total	822	100	434	100	388	100	104	43	124	551

TABLE 10-10 TRESPASSER CASUALTIES, BY EVENT, NOT AT HRC, 2010

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Aggravated preexisting condition	1	0.1	1	0.2	-	0.0	-	-	-	1
Apprehending / removing from property	2	0.2	-	0.0	2	0.5	-	-	-	2
Assaulted by other	4	0.5	2	0.5	2	0.5	-	-	-	4
Caught in / crushed by materials	1	0.1	-	0.0	1	0.3	-	-	-	1
Climatic condition, exposure to environmental co	1	0.1	1	0.2	-	0.0	1	-	-	-
Collision - between on track equipment	1	0.1	1	0.2	-	0.0	1	-	-	-
Collision / impact - auto, truck, bus, van, etc.	18	2.2	1	0.2	17	4.4	2	1	6	9
Electrical shock due to contact with 3rd rail, c	4	0.5	1	0.2	3	0.8	2	-	2	-
Electrical shock, other (explain in narrative)	2	0.2	1	0.2	1	0.3	-	-	-	2
Highway-rail collision / impact	1	0.1	-	0.0	1	0.3	-	-	-	1
Horseplay, practical joke, etc.	6	0.7	-	0.0	6	1.5	-	2	3	1
Lost balance	10	1.2	2	0.5	8	2.1	-	-	1	9
Missed handhold, grabiron, step, etc.	2	0.2	1	0.2	1	0.3	-	1	-	1
Other impacts - on track equipment	2	0.2	-	0.0	2	0.5	1	-	1	-
Pushed / shoved from	1	0.1	-	0.0	1	0.3	-	-	-	1
Ran into on-track equipment	16	1.9	4	0.9	12	3.1	6	1	3	6
Ran into object / equipment	2	0.2	1	0.2	1	0.3	1	-	-	1
Slipped, fell, stumbled, etc. due to irregular surf	2	0.2	-	0.0	2	0.5	1	-	-	1
Slipped, fell, stumbled, etc. due to climatic co	1	0.1	-	0.0	1	0.3	-	-	-	1
Slipped, fell, stumbled, etc. due to object, ballast	3	0.4	-	0.0	3	0.8	-	-	-	3
Struck by object	6	0.7	2	0.5	4	1.0	-	-	-	6
Struck by on-track equipment	614	74.7	393	90.6	221	57.0	74	27	85	428
Struck against object	8	1.0	1	0.2	7	1.8	1	-	-	7
Sudden / unexpected movement of material	1	0.1	-	0.0	1	0.3	-	-	1	-
Sudden / unexpected movement of on-track equipmen	1	0.1	1	0.2	-	0.0	-	-	-	1
Sudden / unexpected movement of vehicle	4	0.5	-	0.0	4	1.0	-	1	-	3
Thrill seeking	17	2.1	3	0.7	14	3.6	1	3	5	8
Caught, crushed, pinched, other	5	0.6	1	0.2	4	1.0	-	-	-	5
On track equipment, other incidents	1	0.1	-	0.0	1	0.3	-	-	-	1
Slipped, fell, stumbled, other	65	7.9	7	1.6	58	14.9	9	3	16	37
Sudden, unexpected movement, other	2	0.2	1	0.2	1	0.3	-	-	-	2
Struck by Other Remote Control Locomotive	1	0.1	1	0.2	-	0.0	-	-	-	1
Caught Between Equipment	2	0.2	1	0.2	1	0.3	-	-	-	2
Other (describe in narrative)	15	1.8	7	1.6	8	2.1	4	4	1	6
Total	822	100	434	100	388	100	104	43	124	551

APPENDIX A

ABBREVIATIONS

%	Percent of total
AADT	Average annual daily traffic
Acc	Accident, events reported on Form 6180-54 (Chapter 6)
Avg	Average
Chg	Change
Cls	Class
Cnt	Count
Coll	Collision between on-track equipment
Comm	Commuter
Der	Derailment
EOD	Railroad employee on duty
Eqp	Equipment
Exp	Exposure
Ftl	Fatality
HRC	Highway-rail crossing
HWTS	Highway traffic signals
Hmn	Human factor
Incs	Incidents
Kld	Killed
Len	Length
Loco	Locomotive
Maint/Insp	Maintenance Inspection
MOW	Maintenance-of-way
Mtr	Motor vehicle
Nonf	Nonfatal cases (injuries and occupational illnesses)
Othr	Other
Psgr	Passenger on train
RR	Railroad
Rng	Range
Sig	Signal
Spd	Speed
Term	Terminated
Trans	Transferred
Tres	Trespasser
Trk	Track
Trn	Train
Unk	Unknown
Veh	Vehicle
WW	Wiwags
w/o	Without
Xing	Crossing

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APPENDIX B

2010 ACCIDENT PREDICTION AND RESOURCE ALLOCATION PROCEDURE NORMALIZING CONSTANTS

The U.S. DOT Highway-Rail Crossing Resource Allocation Procedure, as described in the Rail-Highway Crossing Resource Allocation Procedure User's Guide, Third Edition, August 1987, DOT/FRA/OS-87/10 (User's Guide), uses three "normalizing constants" in the accident prediction formula, Formula A, Section 3.2.4, Page 17. These constants need to be periodically adjusted in order to keep the procedure matched with the current accident trends, the current number of open crossings, and the changes in the warning devices.

The process for determining the three new normalizing constants for 2010 is performed by making the sum of the calculated accident prediction values for all currently **open** public at-grade crossings for calendar years 2004-2008, as of May 2010, be equal to the sum of the **observed** number of 2009 accidents that occurred at the same crossings. This process is performed for each of the respective three formulae for the three types of warning device categories: (1) passive, (2) flashing lights, and (3) gates. This process normalizes the calculated prediction for the current trend in accident data (which is downward) for each of the three types of warning device categories, and adjusts for the current total number of open crossings (which is downward) and the accidents occurring at them, and any changes in the number of warning devices at the crossings currently open.

The **observed** accidents result from those records in the accident data file that exist for only those crossings that are currently open. This means that the number of **observed** accidents for these public at-grade crossings will **not** be equal to the actual number of accidents that are reported for a specific year. While mismatched data records caused by inaccurate accident/inventory reporting are included, those accidents that occurred prior to the date of a warning device change are excluded, as well as any closed crossings.

The new constants were determined for the national model using all open public crossings in the National Inventory File as of May 2010. Those using the DOT Model should update their models by replacing the old constants with the new recalculated values. The normalizing constants are located in the computer program, ACPD.NEW, as shown in the User's Guide at the top of Page A-4, Appendix A1 and in RESAL.NEW on Page B-3, Appendix B1.

As of August 2010, these new constants will be in the 2010 Personal Computer Accident Production System Computer Program and Internet versions of the Web-Based Accident Production System located on the FRA Web site at <http://safetydata.fra.dot.gov/>. The table on the following page lists the new and recent prior-year constants.

**ACCIDENT PREDICTION AND RESOURCE ALLOCATION
PROCEDURE NORMALIZING CONSTANTS**

WARNING DEVICE GROUPS	NEW	PRIOR- YEAR CONSTANTS							
	2010	2007	2005	2003	1998	1992	1990	1988	1986
(1) Passive	.4613	.6768	.6407	.6500	.7159	.8239	.9417	.8778	.8644
(2) Flashing Lights	.2918	.4605	.5233	.5001	.5292	.6935	.8345	.8013	.8887
(3) Gates	.4614	.6039	.6513	.5725	.4921	.6714	.8901	.8911	.8131

APPENDIX C

ACCIDENTS/INCIDENTS REPORTED BY GROUP III RAILROADS, 2010

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
AN Rwy LLC [AN]	-	-	-	-	-	-	-	-	-	-	-	-
Aberdeen & Rockfish RR Co. [AR]	-	-	-	-	-	-	-	-	-	-	-	-
Aberdeen, Carolina & Western RR [ACWR]	2	-	1	-	-	-	2	-	1	-	-	-
Abilene & Smokey Valley RR [AVSX]	-	-	-	-	-	-	-	-	-	-	-	-
Acadiana Rwy Co. [AKDN]	-	-	-	-	-	-	-	-	-	-	-	-
Adirondack Scenic RR [ADCX]	3	-	3	-	-	-	-	-	-	3	-	3
Adrian & Blissfield RR [ADBF]	-	-	-	-	-	-	-	-	-	-	-	-
Akron Barberton Cluster Rwy Co. [AB]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Florida Rwy Co. [AF]	1	-	1	-	-	-	-	-	-	1	-	1
Alabama & Gulf Coast Rwy LLC [AGR]	8	1	2	4	-	-	1	-	-	3	1	2
Alabama & Tennessee River Rwy LLC [ATN]	3	-	1	1	-	-	2	-	1	-	-	-
Alabama RR Co., Inc. [ALAB]	1	-	-	-	-	-	1	-	-	-	-	-
Alabama Southern RR [ABS]	4	-	-	2	-	-	2	-	-	-	-	-
Alabama Warrior Rwy, LLC [ABWR]	-	-	-	-	-	-	-	-	-	-	-	-
Alameda Belt Line [ABL]	-	-	-	-	-	-	-	-	-	-	-	-
Alamo Gulf Coast RR Co. [AGCR]	1	-	-	1	-	-	-	-	-	-	-	-
Albany & Eastern RR Co. [AERC]	2	-	-	-	-	-	2	-	-	-	-	-
Albany Port RR [APRR]	-	-	-	-	-	-	-	-	-	-	-	-
Alexander RR Co. [ARC]	-	-	-	-	-	-	-	-	-	-	-	-
Aliquippa & Ohio River RR Co. [AOR]	2	-	-	2	-	-	-	-	-	-	-	-
Allegheny Valley RR Co. [AVR]	3	-	2	-	-	-	1	-	-	2	-	2
Alliance Term. RR LLC [ATR]	-	-	-	-	-	-	-	-	-	-	-	-
Altamont Commuter Express Authority [ACEX]	1	-	1	-	-	-	-	-	-	1	-	1
American Rail Dispatching Center [ARDJ]	-	-	-	-	-	-	-	-	-	-	-	-
Angelina & Neches River RR Co. [ANR]	-	-	-	-	-	-	-	-	-	-	-	-
Ann Arbor RR [AA]	2	1	-	1	-	-	1	1	-	-	-	-
Apache Rwy Co. [APA]	-	-	-	-	-	-	-	-	-	-	-	-
Appanoose County Community RR Co. [APNC]	-	-	-	-	-	-	-	-	-	-	-	-
Arcade & Attica RR Corp. [ARA]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona & California RR Co. [ARZC]	2	1	-	1	-	-	-	-	-	1	1	-
Arizona Central RR, Inc. [AZCR]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona Eastern RR [AZER]	12	1	6	5	-	-	-	-	-	7	1	6
Arkansas & Missouri RR Co. [AM]	6	-	2	1	-	-	3	-	-	2	-	2
Arkansas Louisiana & Mississippi RR Co. [ALM]	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas Midland RR Co., Inc. [AKMD]	5	-	2	1	-	-	3	-	1	1	-	1
Arkansas Southern RR [ARS]	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-Oklahoma RR Inc. [AOK]	1	-	1	-	-	-	1	-	1	-	-	-
Ashland Rwy Inc. [ASRY]	2	-	2	-	-	-	-	-	-	2	-	2
Ashtabula, Carson & Jefferson RR [ACJR]	-	-	-	-	-	-	-	-	-	-	-	-
Athens Line LLC, The [ABR]	-	-	-	-	-	-	-	-	-	-	-	-
Atlantic & Western Rwy, L.P. [ATW]	-	-	-	-	-	-	-	-	-	-	-	-
Austin & Texas Central RR [ATCX]	-	-	-	-	-	-	-	-	-	-	-	-
Austin Western RR [AWRR]	5	-	1	2	-	-	2	-	-	1	-	1
Austin, Todd & Ladd RR Co. [ATLT]	1	-	-	1	-	-	-	-	-	-	-	-
B&H Rail Corp [BHX]	3	-	3	-	-	-	-	-	-	3	-	3
BG & CM RR [BGCM]	-	-	-	-	-	-	-	-	-	-	-	-
Ballard Term. RR Co LLC [BDTL]	-	-	-	-	-	-	-	-	-	-	-	-
Baton Rouge Southern RR [BRS]	1	-	-	1	-	-	-	-	-	-	-	-
Batten Kill RR [BKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Battleground, Yacolt & Chelatchie Prairie RR [BYCX]	-	-	-	-	-	-	-	-	-	-	-	-
Bauxite & Northern Rwy Co. [BXN]	-	-	-	-	-	-	-	-	-	-	-	-
Bay Coast RR [BCR]	3	-	3	-	-	-	-	-	-	3	-	3

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Bay Colony RR [BCLR]	-	-	-	-	-	-	-	-	-	-	-	-
Bay Line RR, L.L.C., The [BAYL]	4	-	-	1	-	-	3	-	-	-	-	-
Bee Line RR, Inc. [BLRR]	-	-	-	-	-	-	-	-	-	-	-	-
Beech Mountain RR Co. [BEEM]	-	-	-	-	-	-	-	-	-	-	-	-
Belton Grandview and Kansas City RR Co. [BGKX]	-	-	-	-	-	-	-	-	-	-	-	-
Berkshire Scenic Rwy Museum, Inc. [BCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Big Eagle Rail LLC [BGEX]	-	-	-	-	-	-	-	-	-	-	-	-
Big South Fork Scenic Rwy [BSFX]	-	-	-	-	-	-	-	-	-	-	-	-
Bighorn Divide & Wyoming RR, Inc. [BDW]	-	-	-	-	-	-	-	-	-	-	-	-
Birdsboro Materials/Haines & Kibblehouse [HKGX]	-	-	-	-	-	-	-	-	-	-	-	-
Birmingham Southern RR Co. [BS]	4	-	4	-	-	-	-	-	-	4	-	4
Black Hills Central RR [BHC]	-	-	-	-	-	-	-	-	-	-	-	-
Black River & Western RR [BRW]	1	-	-	-	-	-	1	-	-	-	-	-
Blacklands RR, The [BLR]	-	-	-	-	-	-	-	-	-	-	-	-
Blackwell Northern Gateway RR Co. [BNG]	-	-	-	-	-	-	-	-	-	-	-	-
Bloomer Shippers Connecting RR Co. [BLOL]	1	-	-	1	-	-	-	-	-	-	-	-
Blue Ridge Scenic Rwy [BLRX]	-	-	-	-	-	-	-	-	-	-	-	-
Boise Valley RR, Inc. [BVRR]	1	-	1	-	-	-	1	-	1	-	-	-
Boone Scenic Valley [BSVY]	4	-	3	1	-	-	-	-	-	3	-	3
Boot Hill and Western RR [BHWY]	-	-	-	-	-	-	-	-	-	-	-	-
Border Pacific RR [BOP]	-	-	-	-	-	-	-	-	-	-	-	-
Brandon Corp. [BRAN]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Scenic RR Co. [BSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Valley RR Co. [BVRV]	1	-	1	-	-	-	-	-	-	1	-	1
Brownsville & Rio Grande International RR [BRG]	5	-	5	-	-	-	-	-	-	5	-	5
Buckingham Branch RR Co. [BB]	12	-	10	1	-	-	1	-	-	10	-	10
Buffalo Southern RR, Inc. [BSOR]	1	-	1	-	-	-	-	-	-	1	-	1
Burlington Junction Rwy [BJRY]	-	-	-	-	-	-	-	-	-	-	-	-
Byesville Scenic Rwy [BYSR]	-	-	-	-	-	-	-	-	-	-	-	-
C & NC RR Corp. [CNUR]	-	-	-	-	-	-	-	-	-	-	-	-
CHICAGO, FT. WAYNE & EASTERN [CFE]	3	-	2	1	-	-	-	-	-	2	-	2
CMC RR Inc. [CMC]	9	-	-	9	-	-	-	-	-	-	-	-
Caddo Valley RR Co. [CVYR]	-	-	-	-	-	-	-	-	-	-	-	-
Caldwell County RR Co. [CWCY]	-	-	-	-	-	-	-	-	-	-	-	-
Calera & Shelby RR & Museum, Inc. [CSMX]	-	-	-	-	-	-	-	-	-	-	-	-
California Northern RR Co. [CFNR]	1	-	1	-	-	-	-	-	-	1	-	1
California State RR Museum [CSRM]	-	-	-	-	-	-	-	-	-	-	-	-
Camp Chase Industrial RR Corp [CCRA]	-	-	-	-	-	-	-	-	-	-	-	-
Caney Fork & Western RR [CFWR]	-	-	-	-	-	-	-	-	-	-	-	-
Canon City And Royal Gorge RR, LLC [CRRX]	5	-	5	-	-	-	-	-	-	5	-	5
Canton RR Co. [CTN]	3	-	2	1	-	-	-	-	-	2	-	2
Cape Cod Central [CCCX]	1	-	1	-	-	-	-	-	-	1	-	1
Cape May Seashore Lines, Inc. [CMSX]	-	-	-	-	-	-	-	-	-	-	-	-
Capital Metropolitan Transportation Authority [CMTY]	4	-	2	2	-	-	-	-	-	2	-	2
Cargill Inc Iowa Falls [CGIF]	-	-	-	-	-	-	-	-	-	-	-	-
Cargill Inc. GOSCNA [CGIV]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Coastal Rwy, Inc. [CLNA]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Southern RR Co., The [CALA]	1	-	-	-	-	-	1	-	-	-	-	-
Carrizo Gorge Rwy Inc. [CZRY]	-	-	-	-	-	-	-	-	-	-	-	-
Carthage, Knightstown & Shirley RR [CKSI]	-	-	-	-	-	-	-	-	-	-	-	-
Cascade & Columbia River RR [CSCD]	-	-	-	-	-	-	-	-	-	-	-	-
Cass Scenic [CASS]	3	-	3	-	-	-	-	-	-	3	-	3
Catskill Mountain RR [CMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Rapids & Iowa City Rwy Co. [CIC]	5	-	3	1	-	-	1	-	-	3	-	3
Central California Traction Co. [CCT]	1	-	-	1	-	-	-	-	-	-	-	-
Central Illinois RR Co. [CIRY]	-	-	-	-	-	-	-	-	-	-	-	-
Central Indiana & Western RR Co. [CEIW]	1	-	-	1	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Central Midland Rwy Co. [CMR]	2	1	1	-	-	-	1	1	-	1	-	1
Central Montana RR [CM]	-	-	-	-	-	-	-	-	-	-	-	-
Central Oregon & Pacific RR, Inc. [CORP]	3	-	-	3	-	-	-	-	-	-	-	-
Central RR Co. Of Indiana [CIND]	-	-	-	-	-	-	-	-	-	-	-	-
Central RR Co. Of Indianapolis [CERA]	-	-	-	-	-	-	-	-	-	-	-	-
Central Washington RR Co. [CWA]	2	-	2	-	-	-	-	-	-	2	-	2
Charlotte Southern RR Co. [CHS]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Bay RR [CHAT]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Industrial RR [CIRR]	-	-	-	-	-	-	-	-	-	-	-	-
Chattooga & Chickamauga RR [CCKY]	-	-	-	-	-	-	-	-	-	-	-	-
Chehalis & Centralia RR Association [CHCX]	-	-	-	-	-	-	-	-	-	-	-	-
Chesapeake & Albemarle RR Co. [CA]	1	-	1	1	-	1	-	-	-	-	-	-
Chesapeake & Indiana RR [CKIN]	-	-	-	-	-	-	-	-	-	-	-	-
Chestnut Ridge Rwy Co. [CHR]	-	-	-	-	-	-	-	-	-	-	-	-
Chicago Port RR Co. [CPC]	-	-	-	-	-	-	-	-	-	-	-	-
Chicago Rail Link [CRL]	3	-	-	3	-	-	-	-	-	-	-	-
Chicago Southshore & South Bend RR [CSS]	5	1	4	-	-	-	1	1	-	4	-	4
Chicago Term. RR [CTM]	-	-	-	-	-	-	-	-	-	-	-	-
Chicago-Chemung RR Corp. [CCUO]	-	-	-	-	-	-	-	-	-	-	-	-
Cimarron Valley RR L C [CVR]	-	-	-	-	-	-	-	-	-	-	-	-
Cincinnati Rwy Co., The [CNRX]	-	-	-	-	-	-	-	-	-	-	-	-
City Of Prineville Rwy [COP]	-	-	-	-	-	-	-	-	-	-	-	-
City of Keokuk [KEOK]	-	-	-	-	-	-	-	-	-	-	-	-
Claremont Concord RR Corp. [CCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Clarendon & Pittsford RR Co. [CLP]	-	-	-	-	-	-	-	-	-	-	-	-
Cleveland Commercial RR Co., LLC [CCRL]	1	-	-	-	-	-	1	-	-	-	-	-
Cleveland Works Rwy Co. [CWRO]	5	-	3	1	-	-	1	-	-	3	-	3
Clinton Term. RR Co. [CTR]	-	-	-	-	-	-	-	-	-	-	-	-
Cloquet Term. RR Co., Inc. [CTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Colorado & Wyoming Rwy Co. [CW]	2	-	2	-	-	-	-	-	-	2	-	2
Columbia & Cowlitz Rwy Co. [CLC]	1	-	1	-	-	-	1	-	1	-	-	-
Columbia Basin RR Co. Inc. [CBRW]	2	-	2	-	-	-	1	-	1	1	-	1
Columbia Business Center [CBCX]	-	-	-	-	-	-	-	-	-	-	-	-
Columbia Term. RR Co. [CT]	-	-	-	-	-	-	-	-	-	-	-	-
Columbus & Greenville Rwy Co. [CAGY]	4	-	2	-	-	-	3	-	1	1	-	1
Columbus & Ohio River RR [CUOH]	-	-	-	-	-	-	-	-	-	-	-	-
Commonwealth Rwy, Inc. [CWRY]	-	-	-	-	-	-	-	-	-	-	-	-
Conecuh Valley RR [COEH]	-	-	-	-	-	-	-	-	-	-	-	-
Connecticut Department Of Transportation [CDOT]	8	1	7	-	-	-	-	-	-	8	1	7
Connecticut Southern RR Inc. [CSO]	1	-	1	-	-	-	-	-	-	1	-	1
Consolidated Grain & Barge Co. [CGBX]	-	-	-	-	-	-	-	-	-	-	-	-
Conway Scenic RR [CONW]	2	-	2	-	-	-	-	-	-	2	-	2
Coopersville & Marne RR [CPMY]	-	-	-	-	-	-	-	-	-	-	-	-
Copper Basin Rwy, Inc. [CBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Corpus Christi Term. RR Inc. [CCPN]	-	-	-	-	-	-	-	-	-	-	-	-
Crab Orchard & Egyptian RR [COER]	-	-	-	-	-	-	-	-	-	-	-	-
Cumbres & Toltec Scenic RR [CTSR]	3	-	4	-	-	-	-	-	-	3	-	4
Cuyahoga Valley Scenic Rwy [CVSX]	1	-	1	-	-	-	-	-	-	1	-	1
D & I RR Co. [DAIR]	5	-	3	1	-	-	1	-	-	3	-	3
Dakota Northern RR, Inc. [DN]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota Southern Rwy Co. [DSRC]	-	-	-	-	-	-	-	-	-	-	-	-
Dakota, Missouri Valley & Western RR, Inc. [DMVW]	16	1	12	2	1	1	3	-	-	11	-	11
Dallas, Garland & Northeastern RR [DGNO]	5	-	2	-	-	-	3	-	-	2	-	2
Dardanelle & Russellville RR [DR]	-	-	-	-	-	-	-	-	-	-	-	-
DeQueen & Eastern RR Co. [DQE]	2	-	1	1	-	-	-	-	-	1	-	1
Decatur Junction Rwy Co. [DT]	1	-	1	-	-	-	-	-	-	1	-	1
Delaware & Ulster Rail Ride [DURR]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Delaware Coast Line RR [DCLR]	-	-	-	-	-	-	-	-	-	-	-	-
Delaware Lackawanna RR [DL]	3	-	3	-	-	-	-	-	-	3	-	3
Delray Connecting RR Co. [DC]	2	-	2	-	-	-	-	-	-	2	-	2
Delta Southern RR Co. [DSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Delta Valley & Southern Rwy Co. [DVS]	-	-	-	-	-	-	-	-	-	-	-	-
Denver & Rio Grande RR Co. [DRGR]	-	-	-	-	-	-	-	-	-	-	-	-
Denver Rock Island RR [DRIR]	1	-	-	1	-	-	-	-	-	-	-	-
Depew, Lancaster & Western RR Co., Inc. [DLWR]	-	-	-	-	-	-	-	-	-	-	-	-
Detroit Connecting RR [DCON]	-	-	-	-	-	-	-	-	-	-	-	-
Detroit Edison [DE]	2	-	2	-	-	-	-	-	-	2	-	2
Downeast Scenic RR [DESR]	-	-	-	-	-	-	-	-	-	-	-	-
Drake Switching Co., LLC [DSC]	-	-	-	-	-	-	-	-	-	-	-	-
Dubois County RR [DCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Durango & Silverton Narrow Gauge RR Co. [DSNG]	15	-	15	-	-	-	-	-	-	15	-	15
East Brookfield & Spencer RR LLC [EBSR]	-	-	-	-	-	-	-	-	-	-	-	-
East Camden & Highland RR Co. [EACH]	-	-	-	-	-	-	-	-	-	-	-	-
East Chattanooga Belt Rwy Co. [ECTB]	-	-	-	-	-	-	-	-	-	-	-	-
East Cooper & Berkeley RR [ECBR]	-	-	-	-	-	-	-	-	-	-	-	-
East Erie Commercial RR [EEC]	1	-	1	-	-	-	-	-	-	1	-	1
East Jersey RR & Term. Co. [EJR]	-	-	-	-	-	-	-	-	-	-	-	-
East Penn RR LLC [ESPN]	4	-	-	-	-	-	4	-	-	-	-	-
East Tennessee Rwy, L.P. [ETRY]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Alabama Rwy Co. [EARY]	1	-	1	-	-	-	1	-	1	-	-	-
Eastern Berks Gateway RR [EBG]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Idaho RR [EIRR]	10	-	2	3	-	-	5	-	-	2	-	2
Eastern Illinois RR Co. [EIRC]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Maine RR Co. [EMRY]	-	-	-	-	-	-	-	-	-	-	-	-
Eastern Washington Gateway RR Co. [EWG]	4	-	-	4	-	-	-	-	-	-	-	-
Eastside Freight RR [ESFR]	-	-	-	-	-	-	-	-	-	-	-	-
Econo Rail Corp. [TXTX]	14	1	4	9	-	-	-	-	-	5	1	4
Effingham RR Co. [EFRR]	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado & Wesson Rwy Co. [EDW]	-	-	-	-	-	-	-	-	-	-	-	-
Ellis and Eastern Co. [EERZ]	1	-	1	-	-	-	-	-	-	1	-	1
Erie Western Rwy [EWR]	-	-	-	-	-	-	-	-	-	-	-	-
Escalanta Western Rwy [ESWR]	-	-	-	-	-	-	-	-	-	-	-	-
Esanaba & Lake Superior RR Co. [ELS]	1	-	1	-	-	-	-	-	-	1	-	1
Everett RR Co. [EV]	2	-	2	-	-	-	-	-	-	2	-	2
Exel Baytown RR [EBRR]	-	-	-	-	-	-	-	-	-	-	-	-
Exel Switching Service [ESSV]	-	-	-	-	-	-	-	-	-	-	-	-
Falls Road RR Co. Inc. [FRR]	-	-	-	-	-	-	-	-	-	-	-	-
Farmrail Corp. [FMRC]	3	-	2	-	-	-	1	-	-	2	-	2
Fayette Central RR [FCRV]	-	-	-	-	-	-	-	-	-	-	-	-
Fillmore And Western [FMWX]	-	-	-	-	-	-	-	-	-	-	-	-
Finger Lakes Rwy Corp. [FGLK]	3	-	3	-	-	-	2	-	2	1	-	1
First Coast RR Inc. [FCRD]	1	-	-	1	-	-	-	-	-	-	-	-
Flats Industrial RR [FIR]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Central RR Co. [FCEN]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Midland RR Co., Inc. [FMID]	-	-	-	-	-	-	-	-	-	-	-	-
Florida Northern RR Co., Inc. [FNOR]	1	-	9	-	-	-	1	-	9	-	-	-
Florida Rail Adventures [FRAX]	-	-	-	-	-	-	-	-	-	-	-	-
Flying J / Big West Oil [FLYJ]	-	-	-	-	-	-	-	-	-	-	-	-
Fordyce & Princeton RR Co. [FP]	-	-	-	-	-	-	-	-	-	-	-	-
Fore River Transportation Corp. [FRVT]	-	-	-	-	-	-	-	-	-	-	-	-
Fort Smith RR Co. [FSR]	1	-	-	-	-	-	1	-	-	-	-	-
Fort Worth & Western RR [FWWR]	16	-	10	3	-	-	5	-	2	8	-	8
Freight Car Rail Services [FCRS]	-	-	-	-	-	-	-	-	-	-	-	-
Fremont & Elkhorn Valley RR [FEVR]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Frontier Rail Switch Service [FRRV]	-	-	-	-	-	-	-	-	-	-	-	-
Fulton County RR Co. [FC]	-	-	-	-	-	-	-	-	-	-	-	-
Fulton County Rwy [FCR]	-	-	-	-	-	-	-	-	-	-	-	-
GITM Intermodal Yard [GIMY]	-	-	-	-	-	-	-	-	-	-	-	-
GITM Savannah Wharf Yard [GSWY]	-	-	-	-	-	-	-	-	-	-	-	-
Galveston RR, L.P. [GVSR]	2	-	1	1	-	-	-	-	-	1	-	1
Garden City Western Rwy Co. [GCW]	1	-	-	1	-	-	-	-	-	-	-	-
Gary Rwy Co. [GRW]	3	-	-	3	-	-	-	-	-	-	-	-
Genesis Worldwide Logistics LLC [GWWL]	-	-	-	-	-	-	-	-	-	-	-	-
Georgetown Loop RR [GLRX]	1	-	1	-	-	-	-	-	-	1	-	1
Georgetown RR Co. [GRR]	1	-	-	1	-	-	-	-	-	-	-	-
Georgia & Florida Rwy [GFRR]	5	-	-	1	-	-	4	-	-	-	-	-
Georgia Central Rwy, L.P. [GC]	3	-	3	-	-	-	2	-	2	1	-	1
Georgia Northeastern RR Co. [GNRR]	5	-	4	-	-	-	1	-	-	4	-	4
Georgia Southwestern RR Inc. [GSWR]	1	-	-	1	-	-	-	-	-	-	-	-
Georgia Woodlands RR [GWRC]	-	-	-	-	-	-	-	-	-	-	-	-
Gettysburg and Northern RR [GET]	1	-	1	-	-	-	-	-	-	1	-	1
Giant Cement [GICX]	-	-	-	-	-	-	-	-	-	-	-	-
Global Rail Group, LLC [GRGL]	-	-	-	-	-	-	-	-	-	-	-	-
Golden Isles Term. RR, Inc. [GITM]	1	-	-	1	-	-	-	-	-	-	-	-
Golden Triangle RR Co. [GTRA]	-	-	-	-	-	-	-	-	-	-	-	-
Grafton & Upton RR Co. [GU]	-	-	-	-	-	-	-	-	-	-	-	-
Grainbelt Corp. [GNBC]	4	-	3	-	-	-	1	-	-	3	-	3
Grand Canyon Rwy [GCRX]	8	-	8	-	-	-	-	-	-	8	-	8
Grand Elk RR, LLC [GDLK]	2	1	-	-	-	-	1	-	-	1	1	-
Grand Rapids Eastern RR Inc. [GR]	-	-	-	-	-	-	-	-	-	-	-	-
Grapevine Vintage RR [GRVV]	2	-	2	-	-	-	-	-	-	2	-	2
Great Lakes Central RR [GLC]	10	-	9	-	-	-	4	-	3	6	-	6
Great Northwest RR, Inc. [GRNW]	-	-	-	-	-	-	-	-	-	-	-	-
Great Smoky Mountains Rwy, The [GSM]	9	-	8	-	-	-	1	-	-	8	-	8
Great Walton RR Co. [GRWR]	-	-	-	-	-	-	-	-	-	-	-	-
Great Western Rwy of Colorado, LLC [GWR]	1	-	1	-	-	-	1	-	1	-	-	-
Green Mountain RR Corp. [GMRC]	-	-	-	-	-	-	-	-	-	-	-	-
Greenville & Western Rwy Co. LLC [GRLW]	-	-	-	-	-	-	-	-	-	-	-	-
Grenada Rwy LLC [GRYR]	-	-	-	-	-	-	-	-	-	-	-	-
Gulf, Colorado San Saba Rwy Corp. [GCSR]	1	-	-	1	-	-	-	-	-	-	-	-
Hampton & Branchville RR Co. [HB]	1	-	1	-	-	-	-	-	-	1	-	1
Hartwell RR Co. [HRT]	-	-	-	-	-	-	-	-	-	-	-	-
Hawaiian Rwy Society [HRSX]	-	-	-	-	-	-	-	-	-	-	-	-
Heart of Georgia RR, Inc. [HOG]	-	-	-	-	-	-	-	-	-	-	-	-
Heber Valley RR Utah [HVRX]	3	-	3	-	-	-	-	-	-	3	-	3
Henderson Overton Branch [HOB]	-	-	-	-	-	-	-	-	-	-	-	-
Heritage RR Corp [HR]	1	-	-	1	-	-	-	-	-	-	-	-
High Point, Thomasville & Denton RR Co. [HPTD]	-	-	-	-	-	-	-	-	-	-	-	-
Hiwassee River RR [HWRV]	-	-	-	-	-	-	-	-	-	-	-	-
Hollis & Eastern RR Co. [HE]	-	-	-	-	-	-	-	-	-	-	-	-
Hondo Rwy LLC [HHRV]	-	-	-	-	-	-	-	-	-	-	-	-
Honey Creek RR, Inc. [HCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Hoosier Southern RR [HOS]	-	-	-	-	-	-	-	-	-	-	-	-
Hoosier Valley RR Museum [HVMV]	-	-	-	-	-	-	-	-	-	-	-	-
Housatonic RR Co., Inc. [HRRC]	2	-	-	1	-	-	1	-	-	-	-	-
Huckleberry RR [HRR]	-	-	-	-	-	-	-	-	-	-	-	-
Huntsville & Madison county RR Authority [HMCR]	-	-	-	-	-	-	-	-	-	-	-	-
Huron & Eastern Rwy [HESR]	5	1	4	-	-	-	3	-	3	2	1	1
ITS Technologies & Logistics, LLC. [ITSL]	3	-	1	2	-	-	-	-	-	1	-	1
Idaho Northern & Pacific RR Co. [INPR]	-	-	-	-	-	-	-	-	-	-	-	-
Illinois & Midland RR Inc. [IMRR]	4	-	2	2	-	-	1	-	1	1	-	1

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	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Illinois Rwy Museum [IRYM]	-	-	-	-	-	-	-	-	-	-	-	-
Illinois Rwy, Inc. [IR]	1	-	-	1	-	-	-	-	-	-	-	-
Illinois Western RR Co. [ILW]	-	-	-	-	-	-	-	-	-	-	-	-
Indian Creek RR Co. [ICRK]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana & Ohio Rwy [IORY]	13	-	7	-	-	-	10	-	4	3	-	3
Indiana Eastern RR LLC [IERR]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Northeastern RR Co., Incorporated [IN]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Rwy Museum [IRM]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Southern RR Co., Inc. [ISRR]	1	-	-	-	-	-	1	-	-	-	-	-
Indiana Southwestern Rwy Co. [ISW]	1	-	1	-	-	-	-	-	-	1	-	1
Indiana Transportation Museum [ITMZ]	-	-	-	-	-	-	-	-	-	-	-	-
Industrial Rwy Switching & Services [IRSS]	1	-	-	1	-	-	-	-	-	-	-	-
Iowa Northern Rwy Co. [IANR]	11	-	4	6	-	-	1	-	-	4	-	4
Iowa River RR Inc [IARR]	1	-	-	-	-	-	1	-	-	-	-	-
Iowa Traction RR Co. [IATR]	-	-	-	-	-	-	-	-	-	-	-	-
Jacintoport International, LP [JCIV]	-	-	-	-	-	-	-	-	-	-	-	-
Jackson & Lansing RR Co. [JAIL]	-	-	-	-	-	-	-	-	-	-	-	-
Johnson County Airport Commission [JCAX]	-	-	-	-	-	-	-	-	-	-	-	-
Joppa & Eastern RR Co. [JERX]	-	-	-	-	-	-	-	-	-	-	-	-
Juniata Valley RR Co. [JVRR]	2	-	1	1	-	-	-	-	-	1	-	1
K.W.T. Rwy, Inc. [KWT]	-	-	-	-	-	-	-	-	-	-	-	-
Kanawha Central Rwy Co. [KC]	-	-	-	-	-	-	-	-	-	-	-	-
Kankakee, Beaverville & Southern RR Co. [KBSR]	1	1	-	-	-	-	1	1	-	-	-	-
Kansas City Term. Rwy Co. [KCT]	-	-	-	-	-	-	-	-	-	-	-	-
Kansas and Oklahoma RR [KO]	6	-	1	3	-	-	2	-	-	1	-	1
Kaw River RR [KAW]	1	-	1	-	-	-	-	-	-	1	-	1
Kendallville Term. Rwy Co. [KTR]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky & Tennessee Rwy [KT]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky Rwy Museum [KRM]	-	-	-	-	-	-	-	-	-	-	-	-
Keokuk Junction Rwy [KJRY]	-	-	-	-	-	-	-	-	-	-	-	-
Kettle Falls International Rwy LLC [KFR]	1	-	-	1	-	-	-	-	-	-	-	-
Kiamichi RR Co. LLC [KRR]	6	-	-	5	-	-	1	-	-	-	-	-
Kiski Junction RR [KJR]	1	-	1	-	-	-	-	-	-	1	-	1
Klamath Northern Rwy Co. [KNOR]	-	-	-	-	-	-	-	-	-	-	-	-
Knoxville & Holston River RR Co., Inc. [KXHR]	2	-	2	-	-	-	-	-	-	2	-	2
Kosciusko And Southwestern Rwy [KSRW]	-	-	-	-	-	-	-	-	-	-	-	-
Kyle RR Co. [KYLE]	5	-	3	2	-	-	-	-	-	3	-	3
LRY LLC [LRY]	-	-	-	-	-	-	-	-	-	-	-	-
Lahaina Kaanapoli And Pacific [LKP]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Charles Harbor District [LCHD]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Michigan & Indiana RR Co. [LMIC]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Shore Rwy [LSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Lake State Rwy Co. [LSRC]	10	-	7	3	-	-	-	-	-	7	-	7
Lake Superior & Ishpeming RR Co. [LSI]	8	-	6	2	-	-	-	-	-	6	-	6
Lake Superior & Mississippi RR [LSMR]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Superior RR Museum [LSMT]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Term. RR Co. [LT]	1	-	1	-	-	-	-	-	-	1	-	1
Lake Whatcom Rwy [LWAT]	-	-	-	-	-	-	-	-	-	-	-	-
Lancaster & Chester Rwy Co. [LC]	2	-	1	1	-	-	-	-	-	1	-	1
Landisville RR, LLC [LVR]	-	-	-	-	-	-	-	-	-	-	-	-
Laona & Northern Rwy [LNO]	-	-	-	-	-	-	-	-	-	-	-	-
Lapeer Industrial RR [LIRR]	-	-	-	-	-	-	-	-	-	-	-	-
Laurinburg & Southern RR Co. [LRS]	1	-	-	1	-	-	-	-	-	-	-	-
Leadville, Colorado & Southern RR, Co. [LCSR]	-	-	-	-	-	-	-	-	-	-	-	-
Lehigh Rwy, LLC [LRWY]	-	-	-	-	-	-	-	-	-	-	-	-
Lehigh Valley Rail Management [LVRX]	4	-	3	1	-	-	-	-	-	3	-	3
Litchfield Industrial RR [LFIZ]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Little Kanawha River Rail [LKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Little River RR [LRR]	-	-	-	-	-	-	-	-	-	-	-	-
Little Rock & Western Rwy, L.P. [LRWN]	4	-	-	2	-	-	2	-	-	-	-	-
Little Rock Port RR Co. [LRPA]	1	-	1	-	-	-	1	-	1	-	-	-
Livonia, Avon & Lakeville RR Corp. [LAL]	-	-	-	-	-	-	-	-	-	-	-	-
Lodestar Logistics [LDLV]	-	-	-	-	-	-	-	-	-	-	-	-
Logansport & Eel River Short Line Co., Inc. [LER]	-	-	-	-	-	-	-	-	-	-	-	-
Lone Star Industries [LSIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Longview Switching [LS]	4	-	1	3	-	-	1	-	1	-	-	-
Los Angeles County Metropolitan Trans Authority [LACZ]	1	1	-	-	-	-	1	1	-	-	-	-
Louisiana & Delta RR [LDRR]	4	-	2	3	-	-	1	-	2	-	-	-
Louisiana & North West RR Co. [LNW]	1	-	1	-	-	-	-	-	-	1	-	1
Louisiana Southern [LAS]	7	-	2	4	-	-	1	-	-	2	-	2
Louisville & Indiana RR Co. [LIRC]	4	-	1	-	-	-	3	-	-	1	-	1
Louisville & Wadley Rwy Co. [LW]	-	-	-	-	-	-	-	-	-	-	-	-
Louisville, New Albany & Corydon RR [LNAL]	-	-	-	-	-	-	-	-	-	-	-	-
Lowville & Beaver River RR Co. [LBR]	1	-	1	-	-	-	-	-	-	1	-	1
Luxapalila Valley RR Inc. [LXVR]	-	-	-	-	-	-	-	-	-	-	-	-
Luzerene & Susquehanna Rwy Co. [LSX]	-	-	-	-	-	-	-	-	-	-	-	-
Lycoming Valley RR Co. [LVRR]	2	-	2	-	-	-	-	-	-	2	-	2
M & B RR LLC [MNBR]	-	-	-	-	-	-	-	-	-	-	-	-
Madison RR Division [CMPA]	-	-	-	-	-	-	-	-	-	-	-	-
Magma Arizona RR Co. [MAA]	-	-	-	-	-	-	-	-	-	-	-	-
Mahoning Valley RR Co. [MVRY]	-	-	-	-	-	-	-	-	-	-	-	-
Maine Eastern RR [MERR]	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturers' Junction Rwy Co. [MJ]	-	-	-	-	-	-	-	-	-	-	-	-
Manufacturers' Rwy Co. [MRS]	-	-	-	-	-	-	-	-	-	-	-	-
Marquette Rail LLC [MQT]	7	-	1	5	-	-	1	-	-	1	-	1
Maryland & Delaware RR Co. [MDDE]	5	-	3	1	-	-	1	-	-	3	-	3
Maryland Midland Rwy, Inc. [MMID]	1	-	1	-	-	-	-	-	-	1	-	1
Massachusetts Central RR Corp. [MCER]	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts Coastal RR LLC [MCRL]	2	-	2	-	-	-	-	-	-	2	-	2
Massena Term. RR Co. [MSTR]	-	-	-	-	-	-	-	-	-	-	-	-
Maumee & Western RR Corp. [MAW]	2	-	-	2	-	-	-	-	-	-	-	-
Mccloud Rwy Co. [MCR]	-	-	-	-	-	-	-	-	-	-	-	-
Mckeesport Connecting RR Co. [MKC]	-	-	-	-	-	-	-	-	-	-	-	-
Meeker Southern RR [MSN]	-	-	-	-	-	-	-	-	-	-	-	-
Meridian Southern Rwy LLC [MDS]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Air-Line Rwy Co. [MAL]	-	-	-	-	-	-	-	-	-	-	-	-
Michigan Shore RR [MS]	2	-	1	-	-	-	1	-	-	1	-	1
Michigan Southern RR Co., Inc. [MSO]	1	-	-	-	-	-	1	-	-	-	-	-
Michigan State Trust For Rwy Preservation [MSTP]	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Continent Rwy [MCRY]	1	-	1	-	-	-	-	-	-	1	-	1
Mid-Michigan RR Co. [MMRR]	1	-	-	1	-	-	-	-	-	-	-	-
Middletown & Hummelstown RR Co. [MIDH]	-	-	-	-	-	-	-	-	-	-	-	-
Middletown & New Jersey RR LLC [MNJ]	1	-	-	-	-	-	1	-	-	-	-	-
Midlands Rwy [MDRY]	1	-	-	-	-	-	1	-	-	-	-	-
Milford-Bennington RR Co. [MBRX]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Commercial Rwy [MNNR]	18	-	16	2	-	-	-	-	-	16	-	16
Minnesota Northern RR Inc. [MNN]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Prairie Line, Inc. [MPLI]	2	-	3	-	-	-	1	-	1	1	-	2
Minnesota Southern Rwy, Inc. [MSWY]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota Transportation Museum [MNTX]	-	-	-	-	-	-	-	-	-	-	-	-
Minnesota, Dakota & Western Rwy Co. [MDW]	2	-	2	-	-	-	-	-	-	2	-	2
Mission Mountain RR [MMT]	2	-	2	-	-	-	-	-	-	2	-	2
Mississippi Central RR Co. [MSCI]	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi Export RR Co. [MSE]	4	-	4	1	-	-	3	-	4	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Mississippi Southern RR [MSR]	1	-	-	-	-	-	1	-	-	-	-	-
Mississippi Tennessee RR LLC [MTNR]	2	1	-	-	-	-	1	-	-	1	1	-
Mississippian Rwy Cooperative, Inc. [MSRW]	-	-	-	-	-	-	-	-	-	-	-	-
Missouri & Northern Arkansas RR Co., Inc. [MNA]	2	-	1	-	-	-	1	-	-	1	-	1
Missouri North Central RR [MNC]	-	-	-	-	-	-	-	-	-	-	-	-
Modesto & Empire Traction Co. [MET]	2	-	2	-	-	-	-	-	-	2	-	2
Mohawk, Adirondack & Northern RR Corp. [MHA]	1	-	1	-	-	-	-	-	-	1	-	1
Monticello Rwy Museum [MRMZ]	-	-	-	-	-	-	-	-	-	-	-	-
Montreal, Maine and Atlantic Rwy, Ltd. [MMA]	11	-	7	4	-	1	1	-	-	6	-	6
Morehead & South Fork RR Co. Inc. [MHSF]	-	-	-	-	-	-	-	-	-	-	-	-
Morristown & Erie Rwy, Inc. [ME]	2	-	2	-	-	-	-	-	-	2	-	2
Morton Buildings [MTBD]	-	-	-	-	-	-	-	-	-	-	-	-
Moscow, Camden & San Augustine RR [MCSA]	-	-	-	-	-	-	-	-	-	-	-	-
Motive Power - Houston [MOPH]	-	-	-	-	-	-	-	-	-	-	-	-
Mount Rainier Scenic RR [MRSR]	1	-	1	-	-	-	-	-	-	1	-	1
Mount Vernon Term. Rwy, Inc. [MVT]	-	-	-	-	-	-	-	-	-	-	-	-
Municipality Of East Troy [METW]	-	-	-	-	-	-	-	-	-	-	-	-
Muskogee City-County Port Authority [MCCP]	-	-	-	-	-	-	-	-	-	-	-	-
N C Transportation Museum Foundation [NCMX]	-	-	-	-	-	-	-	-	-	-	-	-
Napa Valley RR [NVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Nash County RR [NCYR]	-	-	-	-	-	-	-	-	-	-	-	-
Nashville & Eastern RR Corp [NERR]	7	-	3	2	-	-	2	-	-	3	-	3
Nashville & Western RR Corp. [NWR]	4	-	1	-	-	-	3	-	-	1	-	1
Natchez Rwy LLC [NTZR]	1	-	1	-	-	-	-	-	-	1	-	1
National Switching Services [NSWS]	3	-	1	1	-	-	1	-	-	1	-	1
Naugatuck RR Co. Inc. [NAUG]	-	-	-	-	-	-	-	-	-	-	-	-
Nebkota Rwy, Inc. [NRI]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska Central RR [NCRC]	6	1	3	2	-	-	-	-	-	4	1	3
Nebraska Northeastern Rwy Co. [NENE]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska Northwestern RR, Inc. [NNW]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska, Kansas, Colorado Railnet [NKCR]	3	-	-	3	-	-	-	-	-	-	-	-
Nevada Comm. for the Recon of the V&T Rwy [VTRW]	-	-	-	-	-	-	-	-	-	-	-	-
Nevada Northern Rwy [NNRX]	-	-	-	-	-	-	-	-	-	-	-	-
Nevada Southern Rwy [NVSV]	-	-	-	-	-	-	-	-	-	-	-	-
New Castle Industrial RR [NCIR]	-	-	-	-	-	-	-	-	-	-	-	-
New England Central RR [NECR]	9	1	4	3	-	-	4	1	2	2	-	2
New England Southern RR Co., Inc. [NEGS]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire Central RR, Inc. [NHCR]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire North Coast RR [NHN]	-	-	-	-	-	-	-	-	-	-	-	-
New Hope & Ivyland Rail Road [NHRR]	-	-	-	-	-	-	-	-	-	-	-	-
New Hope Valley Rwy/NC RR Museum [NHVX]	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Rail Carrier, LLC. [NJRC]	-	-	-	-	-	-	-	-	-	-	-	-
New Mexico Rail Runner Express [NMRX]	10	2	6	1	-	-	1	-	-	8	2	6
New Orleans & Gulf Coast Rwy Co. Inc. [NOGC]	10	-	2	2	-	-	6	-	-	2	-	2
New Orleans Public Belt RR [NOPB]	12	-	12	-	-	-	-	-	-	12	-	12
New York & Atlantic Rwy Co. [NYA]	4	-	3	-	-	-	1	-	-	3	-	3
New York & Lake Erie [NYLE]	1	-	-	-	-	-	1	-	-	-	-	-
New York & Ogdensburg Rwy Co. Inc. [NYOG]	3	-	2	-	-	-	1	-	-	2	-	2
New York Container Term. [NYCT]	-	-	-	-	-	-	-	-	-	-	-	-
New York New Jersey Rail LLC [NYNJ]	-	-	-	-	-	-	-	-	-	-	-	-
New York, Susquehanna & Western RR Co. [NYSW]	3	-	2	-	-	-	1	-	-	2	-	2
Newburgh & South Shore RR [NSR]	-	-	-	-	-	-	-	-	-	-	-	-
Newport Dinner Train [NPDJ]	-	-	-	-	-	-	-	-	-	-	-	-
Niles Canyon Rwy [NICX]	-	-	-	-	-	-	-	-	-	-	-	-
Nimishillen & Tuscarawas, LLC [NTRY]	15	-	15	-	-	-	-	-	-	15	-	15
Nittany & Bald Eagle [NBER]	-	-	-	-	-	-	-	-	-	-	-	-
North Alabama RR Museum [NARZ]	-	-	-	-	-	-	-	-	-	-	-	-

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	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
North Carolina & Virginia RR Co. [NCVA]	1	-	-	-	-	-	1	-	-	-	-	-
North Shore RR [NSHR]	-	-	-	-	-	-	-	-	-	-	-	-
North Shore Scenic RR [NSSR]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Lines Rwy LLC [NLR]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Ohio & Western Rwy, LTD. [NOW]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Plains RR, Inc. [NPR]	3	-	3	-	-	-	1	-	1	2	-	2
Northstar Corridor Rail [NSCR]	15	-	14	-	-	-	1	-	-	14	-	14
Northwestern Oklahoma RR Co. [NOKL]	-	-	-	-	-	-	-	-	-	-	-	-
Oakland Term. Rwy [OTR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohi Rail Corp. [OHIC]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Central RR Co. [OHCR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Southern RR Co. [OSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Valley RR Co. [OVR]	-	-	-	-	-	-	-	-	-	-	-	-
Oil Creek & Titusville Lines [OCTL]	-	-	-	-	-	-	-	-	-	-	-	-
Oklahoma Rwy Museum Ltd [OKRX]	-	-	-	-	-	-	-	-	-	-	-	-
Old Augusta RR Co. [OAR]	-	-	-	-	-	-	-	-	-	-	-	-
Omaha, Lincoln & Beatrice Rwy Co. [OLB]	-	-	-	-	-	-	-	-	-	-	-	-
Ontario Central RR Corp. [ONCT]	-	-	-	-	-	-	-	-	-	-	-	-
Ontario Midland RR Corp. [OMID]	-	-	-	-	-	-	-	-	-	-	-	-
Orange Empire Rwy Museum [OERY]	-	-	-	-	-	-	-	-	-	-	-	-
Oregon Coast Scenic RR [OCSR]	1	-	-	-	-	-	1	-	-	-	-	-
Oregon Eastern RR [OERR]	-	-	-	-	-	-	-	-	-	-	-	-
Oregon Pacific RR Co. [OPR]	-	-	-	-	-	-	-	-	-	-	-	-
Otter Tail Valley RR Co., Inc. [OTVR]	1	-	1	-	-	-	-	-	-	1	-	1
Ouachita RR [OUCH]	-	-	-	-	-	-	-	-	-	-	-	-
Over Land Trucking and Rail [OLTX]	-	-	-	-	-	-	-	-	-	-	-	-
Owego & Harford Rwy, Inc. [OHRY]	-	-	-	-	-	-	-	-	-	-	-	-
Ozark Valley RR Inc. [OVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Pacific & Arctic RR & Navigation Co. [PARN]	12	-	12	-	-	-	-	-	-	12	-	12
Pacific Harbor Line Inc. [PHL]	7	-	4	3	-	-	-	-	-	4	-	4
Pacific SW Rwy Museum [PSRM]	-	-	-	-	-	-	-	-	-	-	-	-
Pacific Sun RR, LLC [PSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Palouse River & Coulee City RR Inc. [PCC]	-	-	-	-	-	-	-	-	-	-	-	-
Panhandle Northern RR Co. [PNR]	1	-	-	1	-	-	-	-	-	-	-	-
Patapsco & Back Rivers RR Co. [PBR]	4	-	4	-	-	-	-	-	-	4	-	4
Pecos Valley Southern Rwy Co. [PVS]	-	-	-	-	-	-	-	-	-	-	-	-
Pend Oreille Valley RR, Inc. [POVA]	1	-	1	-	-	-	-	-	-	1	-	1
Peninsula Term. Co. [PT]	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania & Southern Rwy, LLC [PSCC]	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania Southwestern RR, Inc. [PSWR]	-	-	-	-	-	-	-	-	-	-	-	-
Pickens Rwy Co. [PICK]	1	-	-	-	-	-	1	-	-	-	-	-
Pioneer Industrial Rwy Co. [PRY]	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer RR Co., Inc. [PWJ]	-	-	-	-	-	-	-	-	-	-	-	-
Pioneer Valley RR Co., Inc. [PVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Pittsburgh & Ohio Central RR Co., The [POHC]	-	-	-	-	-	-	-	-	-	-	-	-
Pittsburgh, Allegheny & Mckees Rocks RR [PAM]	-	-	-	-	-	-	-	-	-	-	-	-
Plainsman Switching Co. [PMSW]	-	-	-	-	-	-	-	-	-	-	-	-
Plymouth & Lincoln [PLL]	-	-	-	-	-	-	-	-	-	-	-	-
Point Comfort & Northern Rwy Co. [PCN]	-	-	-	-	-	-	-	-	-	-	-	-
Port Bienville RR [PBVR]	-	-	-	-	-	-	-	-	-	-	-	-
Port Harbor RR, Inc. [PHRR]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Catoosa Term. RR [POCA]	2	-	-	2	-	-	-	-	-	-	-	-
Port Of Los Angeles [PLAX]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Manatee [MAUP]	1	-	-	1	-	-	-	-	-	-	-	-
Port Of Palm Beach Term. [PPBD]	-	-	-	-	-	-	-	-	-	-	-	-
Port Of Tillamook Bay RR [POTB]	-	-	-	-	-	-	-	-	-	-	-	-
Port San Antonio [PSAN]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Port Term. RR Of South Carolina [PTR]	-	-	-	-	-	-	-	-	-	-	-	-
Port Utilities Commission Of Charleston, S.C. [PUCC]	1	-	1	-	-	-	-	-	-	1	-	1
Port of Greater Baton Rouge [PGBX]	-	-	-	-	-	-	-	-	-	-	-	-
Port of Montana [POMT]	-	-	-	-	-	-	-	-	-	-	-	-
Portland & Western RR, Inc. [PNWR]	17	-	4	2	-	-	12	-	1	3	-	3
Potomac Eagle Scenic Rail Excursion [PEX]	6	-	6	-	-	-	1	-	1	5	-	5
Prescott & Northwestern RR Co. [PNW]	-	-	-	-	-	-	-	-	-	-	-	-
Progressive Rail Inc [PGR]	6	-	5	1	-	-	-	-	-	5	-	5
Providence & Worcester RR Co. [PW]	10	-	7	3	-	-	-	-	-	7	-	7
Pueblo RR Museum [PBRF]	-	-	-	-	-	-	-	-	-	-	-	-
Puget Sound & Pacific RR Co. [PSAP]	1	-	-	1	-	-	-	-	-	-	-	-
Quincy RR Co. [QRR]	-	-	-	-	-	-	-	-	-	-	-	-
R J Corman RR Co./Tennessee Term. LLC [RJCK]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./Allentown Lines, Inc. [RJCN]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./Pennsylvania Lines, Inc. [RJCP]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./ WV Line [RJCV]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./Central Kentucky Lines [RJCC]	-	-	-	-	-	-	-	-	-	-	-	-
R. J. Corman RR Corp./Bardstown Line [RJCR]	1	-	-	-	-	-	1	-	-	-	-	-
R. J. Corman, Western Ohio Line [RJCW]	-	-	-	-	-	-	-	-	-	-	-	-
RTD Denver Union Station [DUT]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Link Inc. [RLIX]	-	-	-	-	-	-	-	-	-	-	-	-
Rail Serve [RASX]	2	-	1	1	-	-	-	-	-	1	-	1
Rail Term [RRTM]	-	-	-	-	-	-	-	-	-	-	-	-
Railtown 1897 RR [RTRX]	-	-	-	-	-	-	-	-	-	-	-	-
Raritan Central Rwy LLC [RCRY]	1	-	1	-	-	-	1	-	1	-	-	-
Rarus Rwy Co. [RARW]	2	-	1	1	-	-	-	-	-	1	-	1
Reader RR [RERX]	-	-	-	-	-	-	-	-	-	-	-	-
Reading Blue Mountain & Northern RR Commission [RBMN]	6	-	6	-	-	-	-	-	-	6	-	6
Red River Valley & Western RR [RRVW]	7	-	4	3	-	-	-	-	-	4	-	4
Redmont Rwy Co. [RRC]	-	-	-	-	-	-	-	-	-	-	-	-
Regional Transportation Authority-Nashville, TN [NRTX]	-	-	-	-	-	-	-	-	-	-	-	-
Regional Transportation District [RTDZ]	-	-	-	-	-	-	-	-	-	-	-	-
Rescar Industries - Beaumont [RCIB]	1	-	1	-	-	-	-	-	-	1	-	1
Rescar Location 715 Switching [RCXM]	-	-	-	-	-	-	-	-	-	-	-	-
Riceboro Southern Rwy LLC [RSOR]	-	-	-	-	-	-	-	-	-	-	-	-
Richmond Pacific RR Corp. [RPRC]	1	-	-	-	-	-	1	-	-	-	-	-
Rio Valley Switching Co. [RVSC]	2	-	-	2	-	-	-	-	-	-	-	-
River Port RR [RVPR]	2	-	1	1	-	-	-	-	-	1	-	1
Rochester Southern RR, Inc. [RSR]	-	-	-	-	-	-	-	-	-	-	-	-
Rock & Rail Inc [RRRR]	-	-	-	-	-	-	-	-	-	-	-	-
Rockdale, Sandow & Southern RR Co. [RSS]	-	-	-	-	-	-	-	-	-	-	-	-
S&S Shortline RR [SSR]	-	-	-	-	-	-	-	-	-	-	-	-
SANTA CLARA VALLEY TRANSPORTATION AUTHORITY [VTAZ]	1	-	1	-	-	-	1	-	1	-	-	-
SCTRR, LLC [SCTR]	-	-	-	-	-	-	-	-	-	-	-	-
SGS Petroleum Service Corp. [SGSC]	1	-	-	1	-	-	-	-	-	-	-	-
SMS Rail Lines of New York City LLC [SNY]	-	-	-	-	-	-	-	-	-	-	-	-
SMS Rail Service, Inc. [SLRS]	-	-	-	-	-	-	-	-	-	-	-	-
Sabine River & Northern RR Co. [SRN]	-	-	-	-	-	-	-	-	-	-	-	-
Sacramento County Regional Transit District [SCRT]	3	1	1	-	-	-	3	1	1	-	-	-
Sacramento Valley RR [SAV]	-	-	-	-	-	-	-	-	-	-	-	-
Salt Lake City Southern RR Co., Inc. [SL]	-	-	-	-	-	-	-	-	-	-	-	-
Salt Lake, Garfield & Western Rwy Co. [SLGW]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego & Imperial Valley [SDIY]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Northern Rwy [SDNX]	3	2	-	1	-	-	1	1	-	1	1	-
San Diego Trolley Inc. [SDTI]	3	-	2	-	-	-	3	-	2	-	-	-
San Francisco Belt RR [SFBR]	1	-	-	1	-	-	-	-	-	-	-	-
San Joaquin Valley RR Co. [SJVR]	3	-	2	-	-	-	1	-	-	2	-	2

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
San Luis & Rio Grande RR [SLRG]	7	-	4	3	-	-	-	-	-	4	-	4
San Luis Central RR Co. [SLC]	-	-	-	-	-	-	-	-	-	-	-	-
San Manuel Arizona RR Co. [SMA]	1	-	1	-	-	-	-	-	-	1	-	1
San Pedro & Southwestern RR Co. [SPSR]	-	-	-	-	-	-	-	-	-	-	-	-
Sand Springs Rwy Co. [SS]	2	-	2	-	-	-	-	-	-	2	-	2
Sandersville RR Co. [SAN]	3	-	1	-	-	-	2	-	-	1	-	1
Santa Cruz, Big Tree & Pacific RR [SCBG]	-	-	-	-	-	-	-	-	-	-	-	-
Santa Fe Southern Rwy, Inc. [SFS]	1	-	1	-	-	-	-	-	-	1	-	1
Santa Maria Valley RR Co. [SMV]	-	-	-	-	-	-	-	-	-	-	-	-
Savage Bingham & Garfield RR Co. [SBG]	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Port Term. RR, Inc. [SAPT]	2	-	1	1	-	-	-	-	-	1	-	1
Seminole Gulf RR [SGLR]	4	-	3	-	-	-	1	-	-	3	-	3
Semo Port RR, Inc. [SE]	-	-	-	-	-	-	-	-	-	-	-	-
Sequatchie Valley RR [SQVR]	-	-	-	-	-	-	-	-	-	-	-	-
Shamokin Valley RR Co. [SVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Shawnee Term. Rwy Co. [STR]	-	-	-	-	-	-	-	-	-	-	-	-
Shelbyville Industrial RR [SVIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Sidney & Lowe RR Inc. [SLGG]	-	-	-	-	-	-	-	-	-	-	-	-
Sierra Northern Rwy [SERA]	9	-	8	-	-	-	2	-	1	7	-	7
Sisseton Milbank RR [SMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Snoqualmie Valley RR [SNVX]	2	-	1	-	-	-	1	-	-	1	-	1
Somerset RR Co. [SOM]	-	-	-	-	-	-	-	-	-	-	-	-
Sounder Commuter Rail [SCR]	4	-	3	-	-	-	1	-	-	3	-	3
South Branch Valley RR [SBVR]	-	-	-	-	-	-	-	-	-	-	-	-
South Buffalo Rwy Co. [SB]	1	-	-	1	-	-	-	-	-	-	-	-
South Carolina Central RR Co., Inc. [SCRF]	1	-	-	-	-	-	1	-	-	-	-	-
South Carolina RR Museum, The [RRWX]	-	-	-	-	-	-	-	-	-	-	-	-
South Central Florida Express, Inc. [SCXF]	9	-	8	-	-	-	1	-	-	8	-	8
South Chicago & Indiana Harbor Rwy Co. [SCIH]	1	-	1	-	-	-	-	-	-	1	-	1
South Florida Regional Transit Authority [SFRV]	23	4	11	1	-	-	8	1	-	14	3	11
South Kansas & Oklahoma RR Co. [SKOL]	8	-	5	2	-	-	3	-	2	3	-	3
South Plains Lamesa RR, Ltd. [SLAL]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Appalachian Rwy Museum [SPRX]	1	-	-	1	-	-	-	-	-	-	-	-
Southern Electric RR [SERX]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Indiana Rwy, Inc. [SIND]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Michigan RR Society [SMRS]	-	-	-	-	-	-	-	-	-	-	-	-
Southern New Jersey Light Rail Group [SNJX]	5	-	3	1	-	-	1	-	-	3	-	3
Southern RR Co. Of New Jersey [SRNJ]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Switching Co. [SSC]	-	-	-	-	-	-	-	-	-	-	-	-
Southwest Georgia RR Excursion Authority [SWGX]	-	-	-	-	-	-	-	-	-	-	-	-
Southwest Pennsylvania RR Co. [SWP]	2	-	-	-	-	-	2	-	-	-	-	-
Southwestern RR Co., Inc. [SW]	3	1	1	1	-	-	1	1	-	1	-	1
Squaw Creek Southern RR [SCS]	1	-	-	1	-	-	-	-	-	-	-	-
St Marys Rwy West LLC [SMW]	-	-	-	-	-	-	-	-	-	-	-	-
St. Croix Valley RR Co. [SCXY]	-	-	-	-	-	-	-	-	-	-	-	-
St. Lawrence & Atlantic RR Co. [SLR]	-	-	-	-	-	-	-	-	-	-	-	-
St. Louis, Iron Mountain, & Southern [SLOI]	-	-	-	-	-	-	-	-	-	-	-	-
St. Maries River RR Co. [STMA]	-	-	-	-	-	-	-	-	-	-	-	-
St. Marys RR Co. [SM]	-	-	-	-	-	-	-	-	-	-	-	-
Steamtown National Historic Site [SNCX]	-	-	-	-	-	-	-	-	-	-	-	-
Steelton & Highspire RR [SH]	1	-	1	-	-	-	-	-	-	1	-	1
Stewartstown RR Co. [STRT]	-	-	-	-	-	-	-	-	-	-	-	-
Stillwater Central RR Co., Inc. [SLWC]	7	-	1	5	-	-	1	-	-	1	-	1
Stockton Term. & Eastern RR [STE]	-	-	-	-	-	-	-	-	-	-	-	-
Strasburg RR Co. [SRC]	9	-	9	-	-	-	-	-	-	9	-	9
Sumpter Valley RR [SUVX]	-	-	-	-	-	-	-	-	-	-	-	-
Sunflour RR, Inc. [SNR]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Syracuse Binghamton And New York RR [SBNX]	-	-	-	-	-	-	-	-	-	-	-	-
Tacoma Municipal Belt Line Rwy [TMBL]	8	-	5	1	-	-	2	-	-	5	-	5
Tacoma Rail Mountain Division [TRMW]	1	-	1	-	-	-	-	-	-	1	-	1
Talley Rand Term. RR [TTR]	-	-	-	-	-	-	-	-	-	-	-	-
Tazewell & Peoria RR, Inc. [TZPR]	1	-	-	1	-	-	-	-	-	-	-	-
Temple & Central Texas Rwy, Inc. [TC]	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee Central Rwy Museum [TCRM]	-	-	-	-	-	-	-	-	-	-	-	-
Tennessee Southern RR Co., Inc. [TSRR]	2	-	1	-	-	-	1	-	-	1	-	1
Tennessee Valley RR [TVRM]	2	-	1	-	-	-	1	-	-	1	-	1
Tennken RR Co. Inc. [TKEN]	2	-	3	-	-	-	1	-	2	1	-	1
Terminal Rwy Alabama State Docks [TASD]	30	1	10	18	-	-	1	-	-	11	1	10
Texas & New Mexico RR Co. [TNMR]	-	-	-	-	-	-	-	-	-	-	-	-
Texas & Northern Rwy Co. [TN]	-	-	-	-	-	-	-	-	-	-	-	-
Texas & Oklahoma RR Co. [TXOR]	-	-	-	-	-	-	-	-	-	-	-	-
Texas Northwestern Rwy Co. [TXNW]	4	-	1	3	-	-	1	-	1	-	-	-
Texas Pacifico Transportation Limited [TXPF]	3	-	1	2	-	-	-	-	-	1	-	1
Texas Rock Crusher Rwy Co. [TXR]	1	-	1	-	-	-	-	-	-	1	-	1
Texas South-Eastern RR Co. [TSE]	1	-	1	-	-	-	-	-	-	1	-	1
Texas State RR [TSR]	1	-	1	-	-	-	-	-	-	1	-	1
Texas, Gonzales & Northern Rwy Co. [TXGN]	2	-	-	2	-	-	-	-	-	-	-	-
The Youngstown Belt RR Co. [YB]	-	-	-	-	-	-	-	-	-	-	-	-
Thermal Belt Rwy [TBRY]	-	-	-	-	-	-	-	-	-	-	-	-
Three Notch RR [TNHR]	-	-	-	-	-	-	-	-	-	-	-	-
Timberrock RR Co., Inc. [TIBR]	5	-	1	4	-	-	-	-	-	1	-	1
Tioga Central RR [TIOC]	-	-	-	-	-	-	-	-	-	-	-	-
Toledo Lake Erie & Western RR [TLEW]	-	-	-	-	-	-	-	-	-	-	-	-
Toledo, Peoria & Western Rwy Corp. [TPW]	4	-	1	3	-	-	-	-	-	1	-	1
Tomahawk Rwy, L.P. [TR]	-	-	-	-	-	-	-	-	-	-	-	-
Transco Railcar Repair, Inc. [TRRJ]	-	-	-	-	-	-	-	-	-	-	-	-
Tri-City RR Co. [TCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Tri-Met Westside Express Service [TMEV]	-	-	-	-	-	-	-	-	-	-	-	-
Trinity Rwy Express [TREX]	9	2	4	2	-	-	2	1	-	5	1	4
Trona Rwy Co. [TRC]	-	-	-	-	-	-	-	-	-	-	-	-
Tulsa-Sapulpa Union Rwy Co. LLC [TSU]	3	-	2	1	-	-	-	-	-	2	-	2
Turtle Creek Industrial RR, Inc. [TCKR]	-	-	-	-	-	-	-	-	-	-	-	-
Twin City & Western RR [TCWR]	10	-	7	2	-	-	2	-	1	6	-	6
U S. Rail/Salem [USRS]	1	-	1	-	-	-	-	-	-	1	-	1
U.S. Rail Corp/Ohio [USRO]	1	-	-	-	-	-	1	-	-	-	-	-
UTA FrontRunner Commuter Rail [UFRC]	3	2	-	-	-	-	1	-	-	2	2	-
Union County Industrial RR Co. [UCIR]	1	-	-	1	-	-	-	-	-	-	-	-
Upper Hudson River RR [UHRX]	-	-	-	-	-	-	-	-	-	-	-	-
Upper Merion & Plymouth RR Co. [UMP]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Central Rwy Co. [UCRY]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Rwy Co. [UTAH]	1	-	-	-	-	-	1	-	-	-	-	-
Utah Southern RR Co. [USR]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Transit Authority [UTAX]	4	3	3	1	-	-	2	3	2	1	-	1
V and S Rwy, Inc. [VSR]	-	-	-	-	-	-	-	-	-	-	-	-
Valdosta Rwy, L.P. [VR]	-	-	-	-	-	-	-	-	-	-	-	-
Valley RR Co. [VALE]	-	-	-	-	-	-	-	-	-	-	-	-
Vandalia RR Co. [VRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Ventura County RR Co. [VCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermillion Valley RR Co., Inc. [VVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermont Rwy, Inc. [VTR]	12	-	11	-	-	-	1	-	-	11	-	11
Vicksburg Southern RR, Inc. [VSOR]	3	-	1	1	-	-	1	-	-	1	-	1
Virginia & Truckee RR Co., Inc. [VTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rwy Express [VREX]	7	-	6	1	-	-	-	-	-	6	-	6
WCTU Rwy [WCTR]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Wabash Central RR Corp. [WBCR]	-	-	-	-	-	-	-	-	-	-	-	-
Waccamaw Coast Line RR Co. [WCLR]	-	-	-	-	-	-	-	-	-	-	-	-
Walkersville Southern RR, Inc. [WS]	-	-	-	-	-	-	-	-	-	-	-	-
Walking Horse & Eastern RR Co. [WHOE]	-	-	-	-	-	-	-	-	-	-	-	-
Wallowa Union RR Authority [WURR]	-	-	-	-	-	-	-	-	-	-	-	-
Warren & Saline River RR Co. [WSR]	-	-	-	-	-	-	-	-	-	-	-	-
Warren & Trumbull RR Co., The [WTRM]	-	-	-	-	-	-	-	-	-	-	-	-
Washington & Idaho Rwy, Inc. [WIR]	-	-	-	-	-	-	-	-	-	-	-	-
Washington County RR Corp. [WACR]	3	-	1	2	-	-	-	-	-	1	-	1
Watco Switching [WATX]	3	-	2	1	-	-	-	-	-	2	-	2
Wellsboro & Corning RR Co. [WCOR]	-	-	-	-	-	-	-	-	-	-	-	-
West Chester RR Co. [WCRL]	-	-	-	-	-	-	-	-	-	-	-	-
West Isle Line Inc. [WFS]	-	-	-	-	-	-	-	-	-	-	-	-
West Michigan RR Co. [WMI]	-	-	-	-	-	-	-	-	-	-	-	-
West Tennessee RR Corp. [WTNN]	4	-	4	-	-	-	1	-	1	3	-	3
West Texas and Lubbock Rwy Co. [WTLC]	8	-	5	3	-	-	-	-	-	5	-	5
West Virginia Central RR [WVC]	-	-	-	-	-	-	-	-	-	-	-	-
Western Kentucky Rwy, LLC [WKRL]	-	-	-	-	-	-	-	-	-	-	-	-
Western Maryland Scenic RR [WMSR]	2	-	2	-	-	-	-	-	-	2	-	2
Western New York & Pennsylvania RR LLC [WNYP]	4	-	4	-	-	-	-	-	-	4	-	4
Western RR Co. [WRRC]	1	-	1	-	-	-	-	-	-	1	-	1
Western Rwy Museum [WRM]	-	-	-	-	-	-	-	-	-	-	-	-
Weyerhaeuser Woods RRs [WCTX]	1	-	1	-	-	-	-	-	-	1	-	1
Whitewater Valley RR [WVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Wichita Term. Association [WTA]	2	-	1	1	-	-	-	-	-	1	-	1
Wichita, Tillman & Jackson Rwy Co., Inc. [WTJR]	4	-	-	2	-	-	2	-	-	-	-	-
Willamette Valley Rwy Co. [WVR]	1	-	1	-	-	-	1	-	1	-	-	-
Wilmington & Western RR Co. [WWRC]	1	-	1	-	-	-	-	-	-	1	-	1
Wilmington Term. RR Inc. [WTRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winamac Southern Rwy Co. [WSRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winchester & Western RR Co. [WW]	1	-	1	-	-	-	-	-	-	1	-	1
Winston-Salem Southbound Rwy [WSS]	1	-	1	-	-	-	-	-	-	1	-	1
Wiregrass Central RR Co. [WGCR]	1	-	-	-	-	-	1	-	-	-	-	-
Wisconsin & Southern RR Co. [WSOR]	28	-	21	1	-	-	9	-	2	18	-	19
Wisconsin Northern RR [WN]	1	-	1	-	-	-	-	-	-	1	-	1
YCR Corp. [YCR]	1	-	1	-	-	-	-	-	-	1	-	1
Yadkin Valley RR Co. [YVRR]	3	-	1	1	-	-	1	-	-	1	-	1
Yellowstone Valley RR Inc. [YSVR]	6	-	-	4	-	-	2	-	-	-	-	-
York Rwy Co. [YRC]	2	-	1	-	-	-	1	-	-	1	-	1
Youngstown & Austintown RR [YARR]	-	-	-	-	-	-	-	-	-	-	-	-
Youngstown & Southeastern RR Co., Inc. [YSRR]	2	-	1	-	-	-	1	-	-	1	-	1
Yreka Western RR Co. [YW]	-	-	-	-	-	-	-	-	-	-	-	-
ZIOF	-	-	-	-	-	-	-	-	-	-	-	-
Zanesville & Western Scenic RR [ZWSX]	-	-	-	-	-	-	-	-	-	-	-	-

U.S DEPARTMENT OF TRANSPORTATION

FEDERAL RAILROAD ADMINISTRATION

1200 NEW JERSEY AVENUE, SE

WASHINGTON, DC 20590

