



***RAILROAD  
SAFETY  
STATISTICS  
2005 ANNUAL REPORT***

U.S. Department of Transportation  
**Federal Railroad Administration**

December 2006

## FOREWORD

The Federal Railroad Administration (FRA) has established an ultimate goal of “Zero Tolerance” for railroad-related accidents, injuries and fatalities. In pursuit of that goal, significant progress has been made, particularly over the past six 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 the 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’s *Railroad Safety Statistics – Annual Report 2003* is intended as a resource for the 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 2003. 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 five year after the end of the calendar year. Counts of accidents/incidents are not expected to change much after the publication of the annual report each year. 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 December 18, 2006.***

It is hoped that 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.”

This edition of the Railroad Safety Statistics compiles previous safety bulletins prepared by the Federal Railroad Administration (FRA). These include: the *Accident/Incident Bulletin*; the *Highway-Rail Crossing Accident/Incident And Inventory Bulletin*; and the *Trespasser Bulletin*. The consolidation of accident/incident statistics previously contained in other publications provides the reader with a single source for a comprehensive overview of railroad safety.

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

Railroads are required by law to submit accident/incident reports within thirty days after the month to which they pertain. They are also required to update their report if the original information is incomplete or inaccurate. Railroads have until April 15 of the following year to “close out” their records and submit any updates to complete their file.

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 both 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 (Stop 5)  
1120 Vermont Ave., NW  
Washington, DC 20590  
Phone number (202) 493-6024

This report and additional information about the FRA's various programs are available on our Web site at <http://www.fra.dot.gov>.

## CHAPTER 1

### OVERVIEW OF ACCIDENTS/INCIDENTS AND RATES

Railroads began reporting accidents to the Federal Government following passage of the Reports Act of 1910. The current definitions describing reportable events were adopted in 1975 and have remained largely unchanged since then. A number of modifications to the record-keeping and reporting requirements were put in place for 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 the Federal Railroad Administration's (FRA) overall goal of hazard elimination and risk reduction on the Nation's railroads.

A railroad is required by Federal Railroad Administration (FRA) regulations at Title 49, Part 225 of the Code of Federal Regulations 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"** is the term used to describe the entire list of reportable events. These include collisions, derailments, and other events involving the operation of on-track equipment and causing reportable damage above an established threshold; impacts between railroad ontrack equipment and highway users at crossings; and 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:

**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 F 6180.54, RAIL EQUIPMENT ACCIDENT/ INCIDENT REPORT. (The threshold for 2005 was \$6,700)

**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 F 6180.57, HIGHWAYRAIL GRADE CROSSING ACCIDENT/INCIDENT REPORT.

**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 F 6180.55a, 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 crossing incident resulting in reportable injuries. An accident of this type would require the completion of both a Form FRA F 6180.57 and a Form FRA F 6180.55a. A Form FRA F 6180.54 must also be prepared if reportable on-track equipment and track damage in this 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 F 6180.55a, 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 F 6180-54. The user of this bulletin can exclude these, if desired, since the number of these 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, 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 1991. Following this are overall totals for the 5-year period beginning with 1998, including summaries by railroad and states for this time frame. 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 1998. For example, data from railroads that made up the Southern Pacific Transportation System were merged into the Union Pacific counts.**

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

Category	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
---GRAND TOTAL---												
Accidents/incidents	22,465	19,591	17,690	16,698	16,501	16,776	16,919	16,086	14,403	14,330	14,467	13,957
Rate 1/	19.14	16.60	15.05	14.14	13.78	13.72	13.94	13.56	12.18	11.99	11.77	11.00
Deaths	1,226	1,146	1,039	1,063	1,008	932	937	971	951	868	897	888
Nonfatal conditions	16,812	14,440	12,558	11,767	11,459	11,700	11,643	10,985	11,103	9,220	9,108	9,162
---TRAIN ACCIDENTS----												
Rate 2/	3.82	3.67	3.64	3.54	3.77	3.89	4.13	4.25	3.76	4.05	4.38	4.08
Total number	2,504	2,459	2,443	2,397	2,575	2,768	2,983	3,023	2,738	3,011	3,373	3,223
Deaths	12	14	25	17	4	9	10	6	15	4	13	33
Injuries	262	294	281	183	129	130	275	310	1,884	228	306	734
Collisions	240	235	205	202	168	205	238	220	192	198	237	269
Derailments	1,825	1,742	1,816	1,741	1,757	1,961	2,112	2,234	1,989	2,126	2,427	2,280
On main line	914	912	941	867	934	858	976	1,025	886	973	1,031	1,017
On yard track	1,339	1,279	1,249	1,223	1,306	1,531	1,619	1,569	1,478	1,669	1,926	1,780
Yard track rate 3/	14.91	14.23	14.22	14.41	15.60	17.51	18.21	18.30	18.25	20.43	22.93	20.18
Other track rate 4/	2.06	2.03	2.05	1.98	2.12	1.98	2.15	2.32	1.95	2.03	2.11	2.05
Track caused	911	856	905	879	900	995	1,035	1,121	941	972	1,044	1,074
Track caused rate	1.39	1.28	1.35	1.30	1.32	1.40	1.43	1.58	1.29	1.31	1.36	1.36
Human factor caused	911	944	783	855	971	1,031	1,147	1,035	1,050	1,224	1,354	1,249
Equipment caused	293	279	318	271	307	321	372	427	367	362	427	365
Signal caused	36	27	49	39	38	49	70	42	50	58	69	63
Equip Dmg (millions \$)	124.850	134.766	160.908	152.092	162.561	164.654	169.172	200.752	173.982	198.492	224.634	222.153
Track Dmg (millions \$)	43.899	54.458	51.407	58.637	71.337	80.435	94.040	113.713	92.550	99.392	100.290	113.589
Hazmat												
Consists releasing	34	26	34	31	42	41	35	32	31	27	29	37
Cars releasing	40	48	69	38	66	75	75	57	56	38	47	50
People evacuated	15,336	2,817	8,547	8,812	2,058	996	5,258	52,620	5,438	2,260	5,938	7,636
---HIGHWAY-RAIL-----												
Rate 5/	7.60	6.92	6.34	5.71	5.14	4.90	4.84	4.55	4.22	4.00	3.99	3.85
Incidents	4,979	4,633	4,257	3,865	3,508	3,489	3,502	3,237	3,077	2,977	3,075	3,040
Deaths	615	579	488	461	431	402	425	421	357	334	371	357
Injuries	1,961	1,894	1,610	1,540	1,303	1,396	1,219	1,157	999	1,033	1,089	1,009
---OTHER INCIDENTS----												
Incidents 6/	14,982	12,499	10,990	10,436	10,418	10,519	10,434	9,826	8,588	8,342	8,019	7,694
Deaths	599	553	526	585	573	521	502	544	579	530	513	498
Injuries	14,589	12,252	10,667	10,044	10,027	10,174	10,149	9,518	8,220	7,959	7,713	7,419

1. Total accident/incident rate of all reported events \* 1,000,000 / (train miles + hours)
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	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
<b>...EMPLOYEE COUNTS.....</b>												
<b>All accidents/incidents</b>												
<b>Rate 1/</b>	5.06	4.24	3.66	3.31	3.27	3.39	3.44	3.30	2.94	2.77	2.62	2.36
<b>Deaths</b>	31	34	33	37	27	31	24	22	20	19	25	25
<b>Nonfatal conditions</b>	13,080	10,777	9,199	8,295	8,398	8,622	8,423	7,815	6,644	6,238	5,989	5,616
<b>Cases with days absent</b>	8,758	7,055	5,981	5,371	5,359	5,779	5,788	5,409	4,642	4,387	4,061	3,848
<b>Percent of total</b>	66.80	65.26	64.79	64.46	63.61	66.79	68.52	69.02	69.66	70.11	67.53	68.21
<b>Sprains/strains</b>	6,428	5,203	4,427	3,960	3,945	4,280	4,357	4,025	3,353	3,024	2,833	2,497
<b>Occupational illnesses</b>	285	254	157	128	171	141	129	167	120	180	241	261
<b>...PASSENGERS ON TRAINS</b>												
<b>Rate 2/</b>	3.57	4.18	3.86	4.29	3.69	3.33	4.10	4.78	5.83	4.60	4.43	5.77
<b>Deaths</b>	5	0	12	6	4	14	4	3	7	3	3	16
<b>Injuries</b>	497	573	513	601	535	481	658	746	877	714	679	893
<b>In Train Accs/Highway-Rail</b>												
<b>Deaths</b>	2	0	9	1	2	11	0	1	7	1	1	12
<b>Rate</b>	0.01	0.00	0.07	0.01	0.01	0.07	0.00	0.01	0.05	0.01	0.01	0.08
<b>Injuries</b>	154	119	139	94	30	54	95	149	304	148	82	323
<b>...TRESPASSER COUNTS...</b>												
<b>Rate 3/</b>	1.50	1.43	1.41	1.55	1.54	1.30	1.21	1.29	1.28	1.21	1.15	1.10
<b>Deaths</b>	529	494	471	533	536	479	463	511	540	501	478	467
<b>Injuries</b>	452	461	474	516	513	445	414	404	395	398	405	406
<b>---OPERATIONS(millions)</b>												
<b>Total train miles 4/</b>	655.083	669.823	670.924	676.716	682.895	712.453	722.877	711.550	728.674	743.525	770.376	790.494
<b>Yard switching miles 5/</b>	89.776	89.892	87.823	84.874	83.692	87.459	88.919	85.747	81.002	81.702	83.996	88.199
<b>Employee hours 6/</b>	518.634	510.457	504.599	503.918	514.870	509.997	490.926	475.120	454.102	451.139	458.382	478.436
<b>Passengers carried 7/</b>	393.600	385.827	397.394	408.619	439.958	464.885	501.750	517.249	503.930	494.229	513.291	522.498

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 one mile
3. All trespasser deaths and injuries \* 1,000,000 / total train miles
4. Movement of a train for a distance of one mile
5. Movement of trains doing yard switching for a distance of one mile
6. Total hours worked by employees of the railroads. Excludes contractors.
7. Passengers transported



TABLE 1-3 SUMMARY BY TYPE INCIDENT AND TYPE PERSON

Train Accidents Excluding Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities					Nonfatal Conditions				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
A - Worker on duty(rr empl)	4	3	2	7	7	156	157	140	156	126
B - Employee not on duty	-	-	-	-	-	21	-	2	5	9
C - Passenger on train	1	7	-	1	12	129	278	74	60	294
D - Nontrespasser	-	-	-	-	1	1	2	4	-	1
E - Trespasser	1	4	2	1	4	-	3	1	-	1
F - Worker on duty(contractor)	-	-	-	1	-	-	-	4	7	5
G - Contractor(other)	-	-	-	-	-	1	2	1	1	-
J - Nontrespasser, off rr prop	-	1	-	3	9	2	1,442	2	77	298
--Total...	6	15	4	13	33	310	1,884	228	306	734

Highway-Rail Crossing (HRC) Incidents

Type Person	Fatalities					Nonfatal Conditions				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
A - Worker on duty(rr empl)	1	1	1	2	2	97	110	76	116	111
B - Employee not on duty	-	-	-	-	-	1	-	-	4	3
C - Passenger on train	-	-	1	-	-	20	26	74	22	29
D - Nontrespasser	258	249	197	220	218	803	636	651	667	577
E - Trespasser	162	106	134	147	136	223	214	226	257	283
F - Worker on duty(contractor)	-	-	1	-	-	1	-	2	-	-
G - Contractor(other)	-	1	-	-	-	2	1	-	1	2
J - Nontrespasser, off rr prop	-	-	-	2	1	10	12	4	22	4
--Total...	421	357	334	371	357	1,157	999	1,033	1,089	1,009

Other Incidents, Excluding HRC

Type Person	Fatalities					Nonfatal Conditions				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
A - Worker on duty(rr empl)	17	16	16	16	16	7,562	6,377	6,022	5,717	5,379
B - Employee not on duty	-	1	1	-	-	187	213	224	190	196
C - Passenger on train	2	-	2	2	4	597	573	566	597	570
D - Nontrespasser	11	17	7	14	10	348	251	372	441	442
E - Trespasser	510	536	499	477	463	404	392	397	405	405
F - Worker on duty(contractor)	2	3	2	1	2	167	181	179	144	168
G - Contractor(other)	2	6	2	2	2	212	191	186	199	227
H - Worker on duty(volunteer)	-	-	-	-	-	4	5	5	3	1
I - Volunteer(other)	-	-	-	-	-	-	-	2	2	-
J - Nontrespasser, off rr prop	-	-	1	1	1	37	37	6	15	31
--Total...	544	579	530	513	498	9,518	8,220	7,959	7,713	7,419

GRAND TOTAL

Type Person	Fatalities					Nonfatal Conditions				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
A - Worker on duty(rr empl)	22	20	19	25	25	7,815	6,644	6,238	5,989	5,616
B - Employee not on duty	-	1	1	-	-	209	213	226	199	208
C - Passenger on train	3	7	3	3	16	746	877	714	679	893
D - Nontrespasser	269	266	204	234	229	1,152	889	1,027	1,108	1,020
E - Trespasser	673	646	635	625	603	627	609	624	662	689
F - Worker on duty(contractor)	2	3	3	2	2	168	181	185	151	173
G - Contractor(other)	2	7	2	2	2	215	194	187	201	229
H - Worker on duty(volunteer)	-	-	-	-	-	4	5	5	3	1
I - Volunteer(other)	-	-	-	-	-	-	-	2	2	-
J - Nontrespasser, off rr prop	-	1	1	6	11	49	1,491	12	114	333
--Total...	971	951	868	897	888	10,985	11,103	9,220	9,108	9,162

TABLE 1-4 TOTAL CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
Alton & Southern	-	-	-	-	-	8	13	11	7	11
Alaska RR Corp.	-	-	-	-	1	57	30	29	28	29
Amtrak	139	126	118	128	121	1,527	1,484	1,344	1,366	1,191
Bangor & Aroostook	-	-	-	-	-	15	15	-	-	-
Burlington Northern Santa Fe	126	149	136	144	153	1,485	1,242	1,122	1,111	1,166
Belt Rwy Of Chicago	-	-	-	-	-	10	10	15	16	11
Canadian National	44	34	20	16	23	442	351	372	327	281
Canadian Pacific	11	10	9	3	10	218	1,653	147	114	83
Conrail Shared Assets	7	2	1	1	1	53	51	51	35	28
CSX Transportation	143	120	134	137	112	1,119	859	985	982	762
Dakota,Minnesota & Eastern	5	1	5	2	4	60	42	58	85	73
Elgin, Joliet & Eastern	-	-	-	-	1	39	12	23	13	13
Florida East Coast	13	24	18	17	27	27	34	37	32	21
Grand Canyon Railway	-	-	-	-	-	43	32	21	27	30
Guilford Rail System	1	-	3	1	2	16	7	23	10	15
Indiana Harbor Belt	-	-	-	-	1	42	22	33	29	17
Kansas City Southern	22	22	17	25	13	152	159	141	180	140
Long Island Rail Road	10	9	7	4	9	382	323	321	327	308
MD Assn. of Rail Comm	-	-	-	2	1	7	18	7	8	8
Mass Bay Transit Auth.	11	15	5	4	5	113	127	120	90	94
Montreal, Maine & Atlantic	-	-	-	-	-	-	-	11	12	12
Metro North Commuter	3	6	1	4	2	466	375	431	368	285
Montana Rail Link	2	1	1	-	3	38	26	35	49	39
Northern IN Comm Trans	-	-	-	-	-	8	21	26	31	17
Northeast IL Reg Comm	17	23	16	13	17	388	360	262	264	407
New Jersey Transit Rail	32	16	8	17	9	219	208	226	189	201
Norfolk Southern Corp.	126	126	108	128	139	653	614	662	617	926
Paducah & Louisville	1	1	-	1	1	9	8	8	10	4
Port Auth Trans Hudson	2	1	-	-	-	158	206	170	173	159
Peninsula Comm San Mateo Cnty	12	5	10	9	9	23	31	29	34	20
Port Terminal RR Assn	-	-	-	-	-	11	20	17	14	28
Southern CA Reg Rail Auth.	1	9	13	5	17	24	53	59	24	103
Southeastern PA Trans.	3	4	-	7	5	262	202	232	246	343
Term RR Assn Of St. Louis	-	-	-	-	-	13	5	6	5	2
Union Pacific	211	221	207	203	167	1,877	1,566	1,376	1,445	1,453
Union RR (Pittsburgh)	-	-	-	-	-	25	16	30	18	17
Wheeling & Lake Erie	-	1	-	-	-	15	9	18	12	20
Wisconsin & Southern RR	-	-	-	-	-	36	37	32	21	21
Other Railroads	29	25	31	26	35	945	862	730	789	824
<b>Total</b>	<b>971</b>	<b>951</b>	<b>868</b>	<b>897</b>	<b>888</b>	<b>10,985</b>	<b>11,103</b>	<b>9,220</b>	<b>9,108</b>	<b>9,162</b>

TABLE 1-5 TOTAL CASUALTIES BY STATE

States	Fatalities					Nonfatal					5 year Total	
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005	Kld	Nonf
Alabama	22	18	16	20	24	142	123	132	123	145	100	665
Alaska	-	-	-	-	1	102	47	43	43	56	1	291
Arizona	15	16	17	19	23	173	135	112	144	114	90	678
Arkansas	16	28	11	11	15	231	152	142	133	160	81	818
California	132	130	118	123	125	718	723	701	500	682	628	3,324
Colorado	9	12	6	4	9	167	123	127	139	158	40	714
Connecticut	3	7	2	7	6	169	127	128	112	101	25	637
Delaware	3	7	3	1	2	48	44	64	63	61	16	280
Dist Of Columbia	1	1	1	3	2	87	75	137	203	107	8	609
Florida	43	54	47	41	51	299	377	259	240	215	236	1,390
Georgia	27	20	31	34	26	231	169	227	181	149	138	957
Hawaii	-	-	-	-	-	1	-	1	-	1	-	3
Idaho	3	2	6	5	2	60	50	71	53	54	18	288
Illinois	73	58	58	59	55	1,103	949	846	847	936	303	4,681
Indiana	28	26	29	38	36	240	201	201	212	185	157	1,039
Iowa	20	22	11	8	10	220	126	120	151	160	71	777
Kansas	11	15	9	13	10	198	129	143	140	158	58	768
Kentucky	15	11	13	15	14	136	124	131	152	120	68	663
Louisiana	35	28	22	34	30	252	214	174	226	177	149	1,043
Maine	-	-	3	1	-	33	32	27	23	20	4	135
Maryland	7	9	8	10	12	113	176	94	80	65	46	528
Massachusetts	14	15	12	13	7	205	219	195	158	168	61	945
Michigan	22	11	15	17	11	246	191	187	185	119	76	928
Minnesota	15	17	17	19	11	261	199	172	171	148	79	951
Mississippi	33	24	12	19	22	115	95	95	150	103	110	558
Missouri	16	19	20	17	22	233	179	201	189	215	94	1,017
Montana	3	5	6	5	10	109	82	79	133	75	29	478
Nebraska	7	18	9	11	17	241	185	167	162	176	62	931
Nevada	3	4	6	3	5	32	26	25	24	29	21	136
New Hampshire	-	-	1	-	-	6	10	3	6	4	1	29
New Jersey	38	23	19	24	17	438	464	444	372	394	121	2,112
New Mexico	17	12	13	18	12	76	75	55	62	69	72	337
New York	28	30	30	24	25	1,132	956	962	927	754	137	4,731
North Carolina	26	23	21	32	24	113	98	107	112	99	126	529
North Dakota	4	3	6	2	8	76	1,523	62	69	54	23	1,784
Ohio	34	48	26	34	23	247	250	276	279	244	165	1,296
Oklahoma	17	21	20	22	12	109	85	97	103	99	92	493
Oregon	14	7	11	11	4	140	130	96	113	105	47	584
Pennsylvania	35	31	21	18	26	540	481	491	518	597	131	2,627
Rhode Island	1	1	1	1	-	20	19	29	22	13	4	103
South Carolina	12	22	12	18	30	83	101	98	84	362	94	728
South Dakota	1	3	1	1	3	31	20	37	42	31	9	161
Tennessee	24	16	22	16	18	173	143	155	147	135	96	753
Texas	88	83	88	75	72	750	765	557	658	662	406	3,392
Utah	4	5	4	9	3	102	47	37	59	51	25	296
Vermont	1	-	-	-	-	19	30	19	19	21	1	108
Virginia	6	13	13	4	5	154	136	166	131	150	41	737
Washington	23	15	20	23	20	229	179	188	161	190	101	947
West Virginia	5	3	10	9	6	88	76	94	75	69	33	402
Wisconsin	15	13	16	6	19	202	180	170	139	134	69	825
Wyoming	2	2	5	-	3	92	63	76	73	68	12	372
<b>Total</b>	<b>971</b>	<b>951</b>	<b>868</b>	<b>897</b>	<b>888</b>	<b>10,985</b>	<b>11,103</b>	<b>9,220</b>	<b>9,108</b>	<b>9,162</b>	<b>4,575</b>	<b>49,578</b>

TABLE 1-6 TOTAL EMPLOYEE ON DUTY CASES BY RAILROAD

Railroads	2001		2002		2003		2004		2005	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	8	2.33	12	3.44	11	3.21	7	2.01	10	2.91
Alaska RR Corp.	50	7.01	28	3.89	26	3.66	28	3.77	29	3.65
Amtrak	881	4.10	824	4.18	791	4.19	825	4.34	650	3.53
Bangor & Aroostook	15	5.97	15	6.89	-	-	-	-	-	-
Burlington Northern Santa Fe	1,067	2.67	854	2.27	747	2.03	660	1.70	626	1.53
Belt Rwy Of Chicago	10	1.83	10	2.11	14	2.70	16	3.12	8	1.57
Canadian National	341	3.59	286	3.21	308	3.60	263	3.18	230	2.93
Canadian Pacific	199	5.29	170	4.64	122	3.29	90	2.42	73	1.93
Conrail Shared Assets	28	1.81	33	2.39	33	2.50	20	1.63	11	0.94
CSX Transportation	806	2.44	636	2.00	736	2.31	694	2.30	583	1.73
Dakota,Minnesota & Eastern	43	3.73	29	1.94	45	4.92	70	6.96	51	4.92
Elgin, Joliet & Eastern	36	4.98	8	1.13	20	2.86	13	1.87	10	1.42
Florida East Coast	15	1.88	22	2.83	14	1.83	13	1.68	10	1.23
Grand Canyon Railway	35	17.58	28	13.28	19	7.86	18	6.70	24	8.42
Guilford Rail System	11	1.20	6	0.70	18	2.15	9	1.06	12	1.33
Indiana Harbor Belt	39	5.07	20	2.63	31	4.07	26	3.27	15	1.83
Kansas City Southern	87	2.74	102	3.39	93	3.10	110	3.40	80	2.23
Long Island Rail Road	303	5.12	259	4.17	241	3.50	187	2.80	218	3.47
MD Assn. of Rail Comm	3	1.10	8	2.81	3	1.08	2	0.78	6	2.37
Mass Bay Transit Auth.	91	4.92	104	5.63	94	5.14	78	4.28	75	3.84
Montreal, Maine & Atlantic	-	-	-	-	10	5.00	12	5.37	12	4.83
Metro North Commuter	347	6.50	282	5.20	305	5.41	267	4.61	202	3.38
Montana Rail Link	37	3.97	25	2.90	30	3.15	41	4.22	33	3.28
Northern IN Comm Trans	7	2.06	21	6.42	23	7.08	27	8.43	15	4.82
Northeast IL Reg Comm	180	4.27	121	2.80	64	1.52	76	1.78	77	1.82
New Jersey Transit Rail	163	4.17	158	3.78	150	3.39	128	2.83	147	3.22
Norfolk Southern Corp.	399	1.33	386	1.33	410	1.40	353	1.19	391	1.21
Paducah & Louisville	4	1.40	4	1.43	6	2.20	7	2.55	4	1.55
Port Auth Trans Hudson	108	11.22	108	10.61	78	7.55	108	10.65	86	8.55
Peninsula Comm San Mateo Cnty	18	4.12	23	5.36	20	4.78	22	5.50	9	2.36
Port Terminal RR Assn	9	2.70	19	6.17	16	5.37	14	4.37	28	8.13
Southern CA Reg Rail Auth.	8	2.68	9	2.83	5	1.52	7	2.10	18	5.32
Southeastern PA Trans.	178	10.01	164	9.49	184	10.56	168	9.83	185	11.40
Term RR Assn Of St. Louis	13	4.52	5	1.78	5	1.84	4	1.38	2	0.68
Union Pacific	1,464	3.01	1,159	2.57	985	2.20	980	2.07	1,022	2.10
Union RR (Pittsburgh)	25	5.85	15	3.06	30	6.35	17	3.97	17	4.32
Wheeling & Lake Erie	9	2.22	6	1.54	9	2.34	5	1.20	10	2.23
Wisconsin & Southern RR	31	16.81	32	16.32	30	14.85	19	9.41	21	10.31
Other Railroads	769	6.57	673	5.96	531	4.71	630	5.42	641	5.12

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

TABLE 1-7 TRAIN ACCIDENTS BY RAILROAD, EXCLUDING HRC

Railroads	2001		2002		2003		2004		2005	
	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate	Cnt	Rate
Alton & Southern	11	13.82	15	18.43	14	15.34	16	15.78	17	16.20
Alaska RR Corp.	1	0.70	5	3.46	6	3.81	1	0.61	2	1.15
Amtrak	150	3.89	112	2.82	111	2.81	111	2.83	112	2.96
Bangor & Aroostook	2	2.44	2	3.15	-	-	-	-	-	-
Burlington Northern Santa Fe	623	3.82	538	3.32	579	3.34	664	3.56	660	3.41
Belt Rwy Of Chicago	15	33.53	18	47.81	19	39.53	27	49.49	23	44.39
Canadian National	123	5.10	124	5.49	109	4.93	94	4.14	66	2.98
Canadian Pacific	39	3.78	30	2.92	31	2.85	32	2.87	31	2.65
Conrail Shared Assets	33	14.50	31	14.58	42	18.33	35	11.15	42	13.62
CSX Transportation	389	3.58	354	3.22	515	4.79	537	4.87	476	4.39
Dakota, Minnesota & Eastern	51	18.79	46	12.40	56	13.52	92	22.75	63	19.20
Elgin, Joliet & Eastern	11	17.23	15	24.38	9	13.46	17	24.35	16	22.20
Florida East Coast	15	5.89	11	4.91	11	4.49	11	4.63	15	5.81
Grand Canyon Railway	-	-	-	-	-	-	-	-	-	-
Guilford Rail System	3	1.77	3	2.03	6	4.09	5	3.41	6	4.22
Indiana Harbor Belt	24	18.15	16	11.92	18	13.28	30	20.44	19	6.35
Kansas City Southern	118	13.35	101	11.51	109	12.66	132	15.23	123	14.07
Long Island Rail Road	19	2.31	14	1.71	12	1.46	13	1.60	12	1.46
MD Assn. of Rail Comm	-	-	2	1.65	-	-	4	3.27	2	1.66
Mass Bay Transit Auth.	2	0.52	-	-	2	0.51	1	0.26	-	-
Montreal, Maine & Atlantic	-	-	-	-	2	4.56	6	12.59	3	6.09
Metro North Commuter	55	6.55	46	5.33	70	8.10	56	6.31	40	4.46
Montana Rail Link	19	5.40	17	4.83	11	3.00	14	3.72	14	3.64
Northern IN Comm Trans	1	1.31	-	-	-	-	1	1.31	-	-
Northeast IL Reg Comm	7	0.80	5	0.56	3	0.34	6	0.65	6	0.65
New Jersey Transit Rail	25	2.95	39	4.82	42	4.95	48	5.44	30	3.17
Norfolk Southern Corp.	239	2.66	232	2.52	317	3.41	324	3.34	326	3.20
Paducah & Louisville	5	8.78	4	6.93	1	1.81	5	8.86	2	3.47
Port Auth Trans Hudson	3	1.48	3	1.35	2	0.96	2	0.95	3	1.38
Peninsula Comm San Mateo Cnty	1	0.83	1	0.85	-	-	2	1.62	3	2.17
Port Terminal RR Assn	18	14.40	15	12.02	12	9.67	14	11.32	5	3.91
Southern CA Reg Rail Auth.	3	1.65	3	1.50	-	-	2	0.94	8	4.05
Southeastern PA Trans.	10	1.87	22	4.16	15	2.82	10	1.98	9	1.76
Term RR Assn Of St. Louis	9	13.64	13	21.95	11	19.37	9	14.30	16	22.53
Union Pacific	896	5.19	824	4.41	799	4.20	961	4.98	950	4.77
Union RR (Pittsburgh)	2	17.71	5	37.41	6	46.24	6	48.04	3	24.46
Wheeling & Lake Erie	10	15.47	12	14.72	13	15.25	3	3.24	14	11.95
Wisconsin & Southern RR	8	31.42	9	34.85	5	17.19	2	6.64	4	13.37
Other Railroads	341	14.32	263	10.78	295	12.06	355	13.67	357	12.36

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

TABLE 1-8 TRAIN ACCIDENTS BY STATE, EXCLUDING HRC

States	2001		2002		2003		2004		2005		5 year Total	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	76	2.5	54	2.0	77	2.6	78	2.3	72	2.2	357	2.3
Alaska	1	0.0	5	0.2	6	0.2	2	0.1	2	0.1	16	0.1
Arizona	43	1.4	33	1.2	24	0.8	38	1.1	35	1.1	173	1.1
Arkansas	62	2.1	66	2.4	79	2.6	110	3.3	85	2.6	402	2.6
California	182	6.0	184	6.7	173	5.7	183	5.4	197	6.1	919	6.0
Colorado	59	2.0	56	2.0	50	1.7	61	1.8	65	2.0	291	1.9
Connecticut	36	1.2	27	1.0	43	1.4	34	1.0	37	1.1	177	1.2
Delaware	12	0.4	7	0.3	10	0.3	9	0.3	6	0.2	44	0.3
Dist Of Columbia	21	0.7	8	0.3	14	0.5	8	0.2	13	0.4	64	0.4
Florida	43	1.4	52	1.9	49	1.6	58	1.7	62	1.9	264	1.7
Georgia	58	1.9	61	2.2	84	2.8	87	2.6	95	2.9	385	2.5
Idaho	18	0.6	24	0.9	22	0.7	24	0.7	30	0.9	118	0.8
Illinois	229	7.6	241	8.8	262	8.7	274	8.1	242	7.5	1,248	8.1
Indiana	90	3.0	54	2.0	83	2.8	81	2.4	91	2.8	399	2.6
Iowa	91	3.0	90	3.3	73	2.4	105	3.1	76	2.4	435	2.8
Kansas	100	3.3	83	3.0	92	3.1	104	3.1	104	3.2	483	3.1
Kentucky	32	1.1	42	1.5	38	1.3	71	2.1	47	1.5	230	1.5
Louisiana	113	3.7	79	2.9	76	2.5	102	3.0	85	2.6	455	3.0
Maine	7	0.2	5	0.2	7	0.2	8	0.2	5	0.2	32	0.2
Maryland	29	1.0	28	1.0	39	1.3	41	1.2	40	1.2	177	1.2
Massachusetts	24	0.8	18	0.7	25	0.8	28	0.8	22	0.7	117	0.8
Michigan	35	1.2	41	1.5	34	1.1	32	0.9	36	1.1	178	1.2
Minnesota	70	2.3	61	2.2	68	2.3	71	2.1	66	2.0	336	2.2
Mississippi	49	1.6	38	1.4	33	1.1	57	1.7	50	1.6	227	1.5
Missouri	90	3.0	77	2.8	89	3.0	84	2.5	71	2.2	411	2.7
Montana	29	1.0	28	1.0	24	0.8	35	1.0	35	1.1	151	1.0
Nebraska	99	3.3	85	3.1	84	2.8	122	3.6	122	3.8	512	3.3
Nevada	14	0.5	9	0.3	8	0.3	17	0.5	14	0.4	62	0.4
New Hampshire	1	0.0	1	0.0	-	-	1	0.0	2	0.1	5	0.0
New Jersey	52	1.7	71	2.6	84	2.8	89	2.6	77	2.4	373	2.4
New Mexico	32	1.1	15	0.5	23	0.8	33	1.0	39	1.2	142	0.9
New York	132	4.4	106	3.9	117	3.9	104	3.1	106	3.3	565	3.7
North Carolina	29	1.0	21	0.8	52	1.7	37	1.1	29	0.9	168	1.1
North Dakota	26	0.9	22	0.8	18	0.6	17	0.5	25	0.8	108	0.7
Ohio	97	3.2	82	3.0	150	5.0	115	3.4	116	3.6	560	3.6
Oklahoma	68	2.2	49	1.8	50	1.7	66	2.0	69	2.1	302	2.0
Oregon	53	1.8	59	2.2	56	1.9	93	2.8	68	2.1	329	2.1
Pennsylvania	92	3.0	101	3.7	117	3.9	144	4.3	107	3.3	561	3.7
Rhode Island	2	0.1	1	0.0	1	0.0	8	0.2	1	0.0	13	0.1
South Carolina	24	0.8	22	0.8	19	0.6	39	1.2	26	0.8	130	0.8
South Dakota	14	0.5	13	0.5	16	0.5	33	1.0	25	0.8	101	0.7
Tennessee	64	2.1	57	2.1	70	2.3	71	2.1	67	2.1	329	2.1
Texas	363	12.0	342	12.5	314	10.4	352	10.4	390	12.1	1,761	11.5
Utah	36	1.2	25	0.9	40	1.3	29	0.9	31	1.0	161	1.0
Vermont	7	0.2	2	0.1	5	0.2	5	0.1	7	0.2	26	0.2
Virginia	35	1.2	42	1.5	57	1.9	40	1.2	55	1.7	229	1.5
Washington	53	1.8	35	1.3	63	2.1	68	2.0	66	2.0	285	1.9
West Virginia	23	0.8	20	0.7	18	0.6	27	0.8	42	1.3	130	0.8
Wisconsin	56	1.9	54	2.0	37	1.2	30	0.9	31	1.0	208	1.4
Wyoming	52	1.7	42	1.5	38	1.3	48	1.4	39	1.2	219	1.4
<b>Total</b>	<b>3,023</b>	<b>100.0</b>	<b>2,738</b>	<b>100.0</b>	<b>3,011</b>	<b>100.0</b>	<b>3,373</b>	<b>100.0</b>	<b>3,223</b>	<b>100.0</b>	<b>15,368</b>	<b>100.0</b>

TABLE 1-9 CONSISTS TRANSPORTING HAZMAT, BY RAILROAD

Railroads	2001			2002			2003			2004			2005		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alton & Southern	1	1	-	2	2	-	2	2	-	7	4	1	2	1	-
Alaska RR Corp.	-	-	-	1	-	-	1	1	-	2	-	-	2	1	-
Amtrak	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bangor & Aroostook	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Burlington Northern Santa Fe	265	133	9	218	102	5	272	127	4	312	135	10	312	128	10
Belt Rwy Of Chicago	1	1	-	2	1	-	3	1	-	3	2	-	1	-	-
Canadian National	46	25	2	44	26	3	42	20	2	38	19	1	21	15	2
Canadian Pacific	9	2	-	14	7	2	12	2	1	13	3	-	5	3	-
Conrail Shared Assets	10	10	-	10	6	-	11	2	-	8	5	-	4	2	-
CSX Transportation	94	36	7	98	47	4	151	67	5	161	66	4	151	53	5
Dakota,Minnesota & Eastern	14	7	-	3	2	-	12	5	-	13	3	1	16	3	-
Elgin, Joliet & Eastern	1	1	-	2	1	-	-	-	-	3	2	-	-	-	-
Florida East Coast	1	1	-	2	2	-	1	1	1	3	1	-	3	-	-
Guilford Rail System	2	-	-	-	-	-	3	2	-	3	-	-	5	5	-
Indiana Harbor Belt	3	1	-	2	1	-	4	1	-	5	1	-	4	1	-
Kansas City Southern	45	26	2	63	34	1	41	20	2	51	22	-	50	21	-
Long Island Rail Road	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mass Bay Transit Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montreal, Maine & Atlantic	-	-	-	-	-	-	-	-	-	5	1	-	3	1	1
Metro North Commuter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Montana Rail Link	10	5	-	5	3	1	4	1	-	7	4	-	7	2	-
Northern IN Comm Trans	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey Transit Rail	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	53	25	2	48	27	6	40	15	4	59	27	3	57	22	3
Paducah & Louisville	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-
Port Auth Trans Hudson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	10	8	-	7	5	-	6	5	-	5	5	-	1	-	-
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern PA Trans.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Term RR Assn Of St. Louis	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Union Pacific	184	90	8	176	99	7	150	91	8	166	78	7	216	95	12
Union RR (Pittsburgh)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	2	1	-	2	1	-	4	3	-	-	-	-	3	1	1
Wisconsin & Southern RR	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-
Other Railroads	45	27	2	38	23	2	44	29	-	32	21	2	53	30	3
<b>Total</b>	<b>799</b>	<b>401</b>	<b>32</b>	<b>737</b>	<b>389</b>	<b>31</b>	<b>805</b>	<b>395</b>	<b>27</b>	<b>899</b>	<b>402</b>	<b>29</b>	<b>918</b>	<b>384</b>	<b>37</b>

Cnt = Number of Consists; Dmg = Damaged; Rls = Releases

TABLE 1-10 CONSISTS TRANSPORTING HAZMAT, BY STATE

States	2001			2002			2003			2004			2005		
	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls	Cnt	Dmg	Rls
Alabama	23	13	3	13	7	1	20	12	1	21	8	1	20	6	-
Alaska	-	-	-	1	-	-	1	1	-	2	-	-	2	1	-
Arizona	16	6	2	14	8	1	12	8	-	21	10	1	18	6	-
Arkansas	15	7	-	18	10	1	17	10	1	20	9	-	33	12	3
California	46	25	1	64	29	1	47	27	1	50	27	3	36	18	2
Colorado	16	6	-	7	4	-	12	5	1	22	13	1	17	14	-
Connecticut	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-
Delaware	2	1	-	3	2	-	3	2	1	2	1	-	2	2	-
Dist Of Columbia	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	5	3	-	13	7	-	11	5	1	11	6	-	13	4	1
Georgia	14	7	3	16	8	1	21	11	1	16	7	-	20	6	-
Idaho	10	3	-	8	1	-	5	2	-	3	1	1	6	-	-
Illinois	56	25	1	65	34	1	69	31	2	70	31	2	60	22	3
Indiana	14	8	-	13	5	1	18	7	1	20	9	1	15	9	-
Iowa	21	7	1	18	9	-	17	5	1	18	6	-	22	6	-
Kansas	31	19	1	23	13	2	28	16	1	24	13	1	31	13	1
Kentucky	8	5	-	11	8	-	9	4	-	19	7	-	8	3	-
Louisiana	53	33	3	41	29	4	28	19	2	49	25	-	42	18	1
Maine	4	2	-	-	-	-	2	1	-	6	1	-	5	3	1
Maryland	7	5	2	10	6	1	7	5	-	12	5	1	6	4	-
Massachusetts	3	1	-	-	-	-	2	1	-	5	1	-	3	2	-
Michigan	11	8	-	14	8	1	11	6	-	9	4	1	8	4	-
Minnesota	16	4	-	16	6	-	24	6	1	25	8	1	29	10	-
Mississippi	18	11	-	17	12	1	12	6	-	26	8	-	25	13	1
Missouri	29	15	1	21	6	-	31	12	1	18	6	1	24	10	1
Montana	12	6	-	11	6	1	9	3	-	17	7	-	14	4	-
Nebraska	18	7	-	7	4	-	22	12	-	33	17	2	27	14	-
Nevada	4	1	1	2	1	-	1	1	1	4	3	1	3	3	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
New Jersey	8	7	-	8	3	-	9	3	-	10	6	-	6	2	-
New Mexico	19	9	1	7	4	-	14	9	-	17	7	-	30	17	1
New York	19	10	1	9	5	1	13	7	-	23	11	1	28	15	3
North Carolina	7	2	-	10	3	-	11	4	-	17	9	1	16	3	-
North Dakota	3	1	-	6	6	1	3	1	-	3	1	-	10	4	-
Ohio	21	5	1	20	10	-	36	14	-	29	12	1	29	9	1
Oklahoma	28	15	1	21	8	-	21	9	-	16	5	-	21	9	2
Oregon	15	8	-	9	3	-	9	3	-	17	5	1	9	7	1
Pennsylvania	16	7	-	20	7	-	29	11	-	23	11	1	22	8	1
Rhode Island	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-
South Carolina	4	2	-	6	4	1	3	-	-	9	6	-	12	2	1
South Dakota	2	1	-	2	1	-	1	-	-	5	2	1	2	-	-
Tennessee	18	9	-	23	11	4	31	11	1	25	14	-	25	6	1
Texas	140	80	8	131	82	5	118	74	6	129	58	4	157	67	9
Utah	1	-	-	2	2	-	5	2	-	1	1	-	4	3	1
Vermont	-	-	-	-	-	-	1	1	-	1	-	-	2	-	-
Virginia	2	1	-	4	3	1	6	5	3	7	1	-	2	1	-
Washington	13	4	-	9	2	1	31	14	-	22	11	1	30	13	1
West Virginia	5	-	-	3	2	-	3	-	-	6	2	-	2	2	-
Wisconsin	13	4	-	11	5	-	14	4	-	8	3	-	10	3	-
Wyoming	11	8	1	9	4	-	8	5	-	7	3	-	10	5	1
Total	799	401	32	737	389	31	805	395	27	899	402	29	918	384	37



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

Railroads	At Public Crossing					At Private Crossing				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
Alton & Southern	-	-	-	-	1	-	-	-	-	-
Alaska RR Corp.	4	4	1	1	2	-	-	-	-	-
Amtrak	140	118	129	130	108	22	24	20	16	22
Bangor & Aroostook	1	2	-	-	-	1	-	-	-	-
Burlington Northern Santa Fe	410	408	346	372	378	63	54	61	75	78
Belt Rwy Of Chicago	3	-	-	2	-	1	2	-	2	1
Canadian National	186	138	176	161	159	9	16	16	14	20
Canadian Pacific	29	42	32	25	27	8	3	7	4	10
Conrail Shared Assets	17	21	24	21	31	2	-	4	4	1
CSX Transportation	471	481	480	442	446	50	55	58	62	61
Dakota, Minnesota & Eastern	41	32	25	26	27	7	4	3	4	2
Elgin, Joliet & Eastern	3	6	-	3	4	2	3	4	5	5
Florida East Coast	21	18	19	30	29	1	-	1	1	-
Guilford Rail System	3	5	9	2	-	1	-	1	1	-
Indiana Harbor Belt	8	3	6	5	11	2	1	-	-	-
Kansas City Southern	120	107	105	119	100	10	13	13	8	8
Long Island Rail Road	5	7	5	7	14	-	-	-	-	-
MD Assn. of Rail Comm	-	1	2	1	-	-	-	-	1	-
Mass Bay Transit Auth.	6	4	6	10	3	-	-	-	-	1
Montreal, Maine & Atlantic	-	-	-	1	1	-	-	1	1	1
Metro North Commuter	1	2	1	2	2	-	2	1	2	-
Montana Rail Link	10	10	7	10	4	1	2	5	3	3
Northern IN Comm Trans	2	3	-	2	8	1	-	-	-	-
Northeast IL Reg Comm	31	24	28	25	22	-	2	-	-	-
New Jersey Transit Rail	13	16	9	15	7	-	-	1	-	-
Norfolk Southern Corp.	432	449	416	475	414	75	79	74	98	78
Paducah & Louisville	5	8	5	9	2	3	-	-	-	1
Peninsula Comm San Mateo Cnty	6	1	6	4	2	-	1	-	-	-
Port Terminal RR Assn	6	4	6	2	-	2	7	1	3	4
Southern CA Reg Rail Auth.	9	15	17	11	17	1	2	-	-	-
Southeastern PA Trans.	-	-	1	6	3	-	1	-	-	-
Term RR Assn Of St. Louis	1	4	1	2	-	-	-	-	-	-
Union Pacific	555	479	437	453	481	74	53	58	83	78
Wheeling & Lake Erie	11	8	17	12	15	1	-	2	-	1
Wisconsin & Southern RR	13	9	6	4	7	1	-	-	-	-
Other Railroads	280	280	285	262	294	56	44	39	36	46
<b>Total</b>	<b>2,843</b>	<b>2,709</b>	<b>2,607</b>	<b>2,652</b>	<b>2,619</b>	<b>394</b>	<b>368</b>	<b>370</b>	<b>423</b>	<b>421</b>

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

States	At Public Crossing					At Private Crossing					At Public Crossing			At Private Crossing		
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005	Cnt	KId	Nonf	Cnt	KId	Nonf
Alabama	93	107	83	102	105	10	11	8	11	8	490	55	162	48	3	16
Alaska	4	4	1	1	2	-	-	-	-	-	12	-	3	-	-	-
Arizona	28	17	31	30	34	1	2	8	-	5	140	11	31	16	6	1
Arkansas	83	83	71	66	60	4	1	9	6	12	363	47	153	32	1	6
California	163	117	118	131	130	17	23	24	23	18	659	151	238	105	16	43
Colorado	28	33	29	29	32	6	5	6	7	4	151	14	51	28	3	14
Connecticut	1	2	-	7	6	2	3	4	3	-	16	6	4	12	3	6
Delaware	6	4	6	5	8	1	2	2	2	-	29	4	12	7	-	3
Florida	99	86	91	97	89	15	13	8	11	14	462	73	138	61	8	22
Georgia	118	128	109	134	111	4	14	7	20	18	600	53	172	63	5	6
Hawaii	1	-	-	1	1	-	-	-	-	-	3	-	-	-	-	-
Idaho	17	18	18	18	21	3	2	3	6	2	92	9	31	16	1	7
Illinois	187	155	150	159	144	25	17	19	20	36	795	136	354	117	8	26
Indiana	153	162	135	151	160	12	13	11	8	12	761	100	198	56	2	9
Iowa	100	63	61	78	70	10	6	4	3	7	372	33	138	30	1	3
Kansas	56	68	50	64	55	7	3	8	8	8	293	30	112	34	1	10
Kentucky	60	72	73	64	66	19	13	18	16	20	335	31	107	86	7	31
Louisiana	147	136	132	142	119	14	13	14	25	12	676	89	277	78	3	34
Maine	7	5	8	4	4	2	1	3	2	1	28	-	11	9	1	2
Maryland	14	10	18	8	13	3	1	4	4	6	63	1	18	18	1	6
Massachusetts	15	12	15	15	10	2	-	1	3	1	67	8	19	7	-	2
Michigan	92	91	101	95	86	4	6	6	6	9	465	37	137	31	2	5
Minnesota	73	72	66	75	59	9	4	9	11	6	345	47	129	39	8	7
Mississippi	96	86	84	80	73	6	11	7	8	6	419	64	179	38	3	17
Missouri	55	64	54	46	54	9	12	11	13	10	273	51	122	55	2	20
Montana	15	23	16	14	15	1	2	10	7	5	83	6	22	25	6	6
Nebraska	39	49	39	47	44	11	6	3	11	6	218	37	78	37	3	11
Nevada	2	1	1	2	4	-	1	1	-	-	10	1	1	2	2	2
New Hampshire	1	-	1	1	2	1	1	-	-	-	5	-	-	2	-	2
New Jersey	31	32	39	40	41	5	1	11	3	3	183	29	53	23	-	2
New Mexico	20	14	8	14	17	4	3	4	7	3	73	15	24	21	6	11
New York	22	31	36	27	34	10	8	7	6	7	150	30	57	38	7	11
North Carolina	65	61	64	60	55	14	17	8	15	11	305	28	95	65	2	22
North Dakota	15	22	22	14	16	2	3	1	2	2	89	15	38	10	1	7
Ohio	123	127	116	121	122	17	14	10	18	11	609	75	184	70	8	10
Oklahoma	65	65	64	54	60	4	4	3	4	4	308	55	134	19	1	7
Oregon	25	24	23	21	19	18	11	8	9	8	112	15	28	54	2	17
Pennsylvania	59	59	71	66	68	9	14	17	13	12	323	19	60	65	4	12
Rhode Island	-	-	2	-	1	-	-	-	-	-	3	-	-	-	-	-
South Carolina	58	61	61	64	72	7	5	9	3	3	316	36	102	27	3	31
South Dakota	16	20	14	14	16	4	1	1	2	2	80	4	33	10	-	2
Tennessee	81	75	75	67	67	16	7	9	10	11	365	36	115	53	3	11
Texas	313	277	258	251	264	49	48	26	42	59	1,363	138	534	224	23	82
Utah	18	16	18	8	15	2	5	1	2	3	75	6	32	13	4	2
Vermont	-	4	2	4	3	-	1	1	1	1	13	-	5	4	-	5
Virginia	31	24	40	40	27	13	15	17	24	23	162	5	40	92	7	50
Washington	30	25	31	41	43	8	10	12	5	14	170	18	39	49	5	11
West Virginia	13	21	30	19	24	7	9	9	12	11	107	6	34	48	3	14
Wisconsin	102	79	69	60	77	2	4	5	9	7	387	38	146	27	-	3
Wyoming	3	4	3	1	1	5	2	3	2	-	12	-	5	12	3	5
Total	2,843	2,709	2,607	2,652	2,619	394	368	370	423	421	13,430	1,662	4,655	1,976	178	632

TABLE 1-13 HIGHWAY-RAIL CROSSING INCIDENTS CASUALTIES BY RAILROAD

Railroads	Fatalities					Nonfatal				
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005
Alton & Southern	-	-	-	-	-	-	-	-	-	1
Alaska RR Corp.	-	-	-	-	-	1	1	1	-	-
Amtrak	69	42	52	46	45	84	93	125	64	82
Bangor & Aroostook	-	-	-	-	-	1	-	-	-	-
Burlington Northern Santa Fe	55	69	55	52	70	181	169	163	184	231
Belt Rwy Of Chicago	-	-	-	-	-	1	-	-	-	-
Canadian National	32	16	9	12	11	91	56	52	54	45
Canadian Pacific	4	6	3	-	10	18	28	16	16	8
Conrail Shared Assets	2	-	1	-	-	6	4	9	3	6
CSX Transportation	63	39	52	58	47	206	142	160	206	90
Dakota,Minnesota & Eastern	4	1	4	1	2	19	12	14	13	21
Elgin, Joliet & Eastern	-	-	-	-	1	2	2	1	-	2
Florida East Coast	3	8	2	7	10	3	5	11	11	2
Guilford Rail System	-	-	1	-	-	2	1	2	1	-
Indiana Harbor Belt	-	-	-	-	1	2	1	-	1	-
Kansas City Southern	15	11	10	20	7	61	53	32	58	37
Long Island Rail Road	4	2	2	1	8	1	-	-	4	4
MD Assn. of Rail Comm	-	-	-	-	-	-	1	1	1	-
Mass Bay Transit Auth.	-	4	-	2	1	1	1	2	2	3
Montreal, Maine & Atlantic	-	-	-	-	-	-	-	1	-	-
Metro North Commuter	-	1	-	-	-	-	2	-	26	1
Montana Rail Link	1	-	1	-	-	2	1	4	3	1
Northern IN Comm Trans	-	-	-	-	-	-	-	-	1	1
Northeast IL Reg Comm	9	7	7	6	8	15	6	19	12	28
New Jersey Transit Rail	6	4	2	8	1	1	8	2	1	-
Norfolk Southern Corp.	67	58	42	61	55	129	96	121	142	110
Paducah & Louisville	-	-	-	-	-	4	4	3	4	-
Peninsula Comm San Mateo Cnty	4	-	1	1	-	-	2	-	2	-
Port Terminal RR Assn	-	-	-	-	-	3	-	1	1	1
Southern CA Reg Rail Auth.	1	5	9	2	1	6	10	26	4	1
Southeastern PA Trans.	-	-	-	-	-	-	-	1	2	-
Term RR Assn Of St. Louis	-	-	-	-	-	-	-	1	2	-
Union Pacific	72	69	70	77	63	227	208	172	198	234
Wheeling & Lake Erie	-	-	-	-	-	5	1	9	6	9
Wisconsin & Southern RR	-	-	-	-	-	5	3	2	1	-
Other Railroads	10	15	11	17	16	80	89	82	66	91
<b>Total</b>	<b>421</b>	<b>357</b>	<b>334</b>	<b>371</b>	<b>357</b>	<b>1,157</b>	<b>999</b>	<b>1,033</b>	<b>1,089</b>	<b>1,009</b>

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

States	Fatalities					Nonfatal					5 year Total	
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005	Kid	Nonf
Alabama	9	13	10	10	16	28	32	38	36	44	58	178
Alaska	-	-	-	-	-	1	1	1	-	-	-	3
Arizona	6	-	7	2	2	10	5	3	9	5	17	32
Arkansas	9	14	9	8	8	39	29	23	28	40	48	159
California	54	30	27	34	22	49	55	66	53	58	167	281
Colorado	3	6	1	1	6	10	12	10	15	18	17	65
Connecticut	-	2	-	4	3	2	1	-	5	2	9	10
Delaware	1	2	-	-	1	-	1	4	7	3	4	15
Florida	15	16	14	19	17	36	32	36	35	21	81	160
Georgia	19	5	7	15	12	50	13	55	42	18	58	178
Idaho	1	1	3	4	1	7	7	7	11	6	10	38
Illinois	31	24	30	28	31	89	67	71	71	82	144	380
Indiana	19	17	20	25	21	62	44	37	38	26	102	207
Iowa	16	4	3	5	6	35	28	21	25	32	34	141
Kansas	5	9	3	7	7	20	26	28	16	32	31	122
Kentucky	10	5	8	8	7	31	24	24	33	26	38	138
Louisiana	22	12	15	23	20	93	65	43	66	44	92	311
Maine	-	-	1	-	-	4	1	3	3	2	1	13
Maryland	1	-	-	-	1	9	4	4	6	1	2	24
Massachusetts	-	4	-	3	1	4	1	3	7	6	8	21
Michigan	11	7	7	9	5	36	34	28	31	13	39	142
Minnesota	9	11	11	15	9	25	30	27	26	28	55	136
Mississippi	22	14	9	12	10	47	31	44	44	30	67	196
Missouri	4	14	9	9	17	22	26	32	31	31	53	142
Montana	1	2	4	2	3	4	6	5	9	4	12	28
Nebraska	3	13	5	7	12	17	20	12	18	22	40	89
Nevada	-	1	1	-	1	-	1	2	-	-	3	3
New Hampshire	-	-	-	-	-	-	2	-	-	-	-	2
New Jersey	8	4	7	8	2	11	13	13	7	11	29	55
New Mexico	8	1	3	5	4	8	4	7	9	7	21	35
New York	8	3	8	5	13	5	10	7	36	10	37	68
North Carolina	6	2	4	12	6	21	20	16	26	34	30	117
North Dakota	2	-	6	-	8	8	13	9	11	4	16	45
Ohio	22	26	13	14	8	40	35	47	35	37	83	194
Oklahoma	9	20	11	10	6	19	27	32	29	34	56	141
Oregon	6	-	3	7	1	13	14	7	7	4	17	45
Pennsylvania	8	6	3	1	5	15	12	13	15	17	23	72
South Carolina	4	9	5	12	9	23	42	25	27	16	39	133
South Dakota	1	-	1	-	2	4	5	8	9	9	4	35
Tennessee	10	8	8	6	7	39	14	18	27	28	39	126
Texas	39	37	36	26	23	132	125	106	110	143	161	616
Utah	2	3	-	3	2	8	6	6	7	7	10	34
Vermont	-	-	-	-	-	-	3	2	2	3	-	10
Virginia	1	1	7	1	2	18	12	27	21	12	12	90
Washington	5	2	6	4	6	7	8	10	11	14	23	50
West Virginia	1	1	3	3	1	9	6	21	8	4	9	48
Wisconsin	10	7	4	4	13	43	31	30	25	20	38	149
Wyoming	-	1	2	-	-	4	1	2	2	1	3	10
<b>Total</b>	<b>421</b>	<b>357</b>	<b>334</b>	<b>371</b>	<b>357</b>	<b>1,157</b>	<b>999</b>	<b>1,033</b>	<b>1,089</b>	<b>1,009</b>	<b>1,840</b>	<b>5,287</b>

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

Railroads	Fatalities					Nonfatal					5 year Total	
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005	Kld	Nonf
Alaska RR Corp.	-	-	-	-	1	1	-	1	-	-	1	2
Amtrak	67	78	64	77	71	37	28	22	26	28	357	141
Burlington Northern Santa Fe	62	64	70	81	77	47	52	41	68	64	354	272
Canadian National	8	17	9	4	8	7	8	10	9	9	46	43
Canadian Pacific	6	2	6	3	-	4	5	1	5	1	17	16
Conrail Shared Assets	5	2	-	1	1	4	6	2	1	1	9	14
CSX Transportation	78	77	77	74	61	84	54	55	68	56	367	317
Dakota,Minnesota & Eastern	1	-	1	1	2	-	1	-	3	1	5	5
Elgin, Joliet & Eastern	-	-	-	-	-	2	-	2	-	-	-	4
Florida East Coast	10	16	16	10	17	7	6	8	7	6	69	34
Guilford Rail System	1	-	2	1	2	3	-	3	-	3	6	9
Indiana Harbor Belt	-	-	-	-	-	1	1	1	2	1	-	6
Kansas City Southern	7	11	7	5	5	2	11	12	13	10	35	48
Long Island Rail Road	6	5	4	2	1	5	3	2	5	4	18	19
MD Assn. of Rail Comm	-	-	-	2	1	-	-	-	-	-	3	-
Mass Bay Transit Auth.	10	11	4	2	3	1	2	1	-	-	30	4
Metro North Commuter	2	4	1	1	2	2	-	2	1	3	10	8
Montana Rail Link	1	1	-	-	3	-	-	1	3	3	5	7
Northeast IL Reg Comm	8	14	8	6	7	7	9	8	7	4	43	35
New Jersey Transit Rail	25	12	6	9	7	5	5	4	4	5	59	23
Norfolk Southern Corp.	55	63	65	60	72	42	50	54	39	64	315	249
Paducah & Louisville	-	1	-	1	1	2	-	-	-	-	3	2
Port Auth Trans Hudson	1	-	-	-	-	1	1	-	2	3	1	7
Peninsula Comm San Mateo Cnty	8	5	9	8	9	1	3	1	3	3	39	11
Southern CA Reg Rail Auth.	-	1	2	3	5	1	2	3	-	3	11	9
Southeastern PA Trans.	1	3	-	6	2	2	1	1	-	-	12	4
Union Pacific	132	146	133	115	95	127	133	144	124	123	621	651
Wheeling & Lake Erie	-	1	-	-	-	-	2	-	-	-	1	2
Wisconsin & Southern RR	-	-	-	-	-	-	-	-	1	-	-	1
Other Railroads	17	6	17	6	14	9	12	19	14	11	60	65
<b>Total</b>	<b>511</b>	<b>540</b>	<b>501</b>	<b>478</b>	<b>467</b>	<b>404</b>	<b>395</b>	<b>398</b>	<b>405</b>	<b>406</b>	<b>2,497</b>	<b>2,008</b>

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

States	Fatalities					Nonfatal					5 year Total	
	2001	2002	2003	2004	2005	2001	2002	2003	2004	2005	Kld	Nonf
Alabama	12	5	5	9	6	3	4	5	10	12	37	34
Alaska	-	-	-	-	1	1	-	1	-	-	1	2
Arizona	9	14	10	17	21	9	11	17	21	15	71	73
Arkansas	7	12	2	3	4	6	9	8	4	7	28	34
California	76	90	85	85	88	39	43	50	46	65	424	243
Colorado	6	4	5	2	3	4	1	2	12	11	20	30
Connecticut	3	4	2	1	3	2	1	2	1	1	13	7
Delaware	1	4	3	1	1	4	-	-	-	2	10	6
Dist Of Columbia	1	1	1	2	1	2	1	2	-	-	6	5
Florida	28	33	32	21	34	26	15	23	13	22	148	99
Georgia	8	14	22	18	14	9	13	15	15	13	76	65
Idaho	2	1	2	1	1	1	1	1	2	1	7	6
Illinois	39	32	26	25	20	27	26	29	28	19	142	129
Indiana	9	8	9	12	14	5	4	7	9	5	52	30
Iowa	1	16	6	3	2	5	4	2	2	2	28	15
Kansas	5	4	6	5	2	12	3	1	8	7	22	31
Kentucky	4	5	5	7	7	8	5	1	9	6	28	29
Louisiana	10	16	7	11	10	8	13	13	7	11	54	52
Maine	-	-	2	1	-	2	-	2	-	-	3	4
Maryland	6	9	8	10	10	2	3	4	3	8	43	20
Massachusetts	13	11	11	10	5	8	4	5	1	5	50	23
Michigan	8	4	7	6	5	4	6	10	10	2	30	32
Minnesota	5	6	5	4	2	6	3	4	2	3	22	18
Mississippi	11	10	2	6	8	5	4	6	4	7	37	26
Missouri	12	5	11	8	5	8	14	12	14	11	41	59
Montana	2	3	2	2	7	1	1	1	3	4	16	10
Nebraska	4	3	3	3	5	1	1	2	2	1	18	7
Nevada	3	3	5	3	4	2	2	5	4	4	18	17
New Hampshire	-	-	1	-	-	-	1	-	-	-	1	1
New Jersey	29	18	12	15	13	8	7	7	10	7	87	39
New Mexico	8	10	8	10	8	3	6	5	4	7	44	25
New York	18	23	19	14	12	25	10	8	14	10	86	67
North Carolina	19	20	17	20	18	13	6	5	15	13	94	52
North Dakota	2	1	-	2	-	3	-	2	1	2	5	8
Ohio	11	20	12	18	14	9	10	11	8	16	75	54
Oklahoma	5	1	9	10	5	9	7	5	7	4	30	32
Oregon	7	7	8	4	2	5	11	5	10	8	28	39
Pennsylvania	23	22	18	15	15	19	22	8	14	11	93	74
Rhode Island	1	1	1	1	-	1	-	-	1	-	4	2
South Carolina	8	13	5	6	11	4	8	5	2	7	43	26
South Dakota	-	3	-	1	1	-	1	1	2	-	5	4
Tennessee	13	7	13	10	11	8	18	12	4	7	54	49
Texas	47	44	51	42	44	60	68	54	53	40	228	275
Utah	2	2	2	5	-	1	2	4	1	2	11	10
Vermont	1	-	-	-	-	-	1	-	-	1	1	2
Virginia	4	11	6	2	3	14	8	14	7	3	26	46
Washington	18	13	13	19	14	4	8	12	14	13	77	51
West Virginia	4	2	7	6	5	4	5	7	4	5	24	25
Wisconsin	5	5	12	2	6	1	4	3	4	4	30	16
Wyoming	1	-	3	-	2	3	-	-	-	2	6	5
<b>Total</b>	<b>511</b>	<b>540</b>	<b>501</b>	<b>478</b>	<b>467</b>	<b>404</b>	<b>395</b>	<b>398</b>	<b>405</b>	<b>406</b>	<b>2,497</b>	<b>2,008</b>



## CHAPTER 2

### CURRENT YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES

The Federal Railroad Administration's (FRA) regulations on reporting railroad accidents/incidents are found primarily in Title 49 of the Code of Federal Regulations (CFR), Part 225 (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 for determining 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 to it 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 which 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; or
  - 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 non-highway ground transportation that run on rails or electro-magnetic guide ways, 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 term does not include rapid transit operations within an urban area that are not connected to the general railroad system of transportation.



Approximately 700 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 1 railroads, and other railroads reporting annual employees worked in excess of 400,000.

Railroads have been assigned to 1 of 3 groups in this bulletin. Group 1 corresponds to the railroads that have defined as Class 1; 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 code and railroad name.**

**CONTENTS****CHAPTER 2****CURRENT YEAR SUMMARY OF ACCIDENTS/INCIDENTS AND RATES**

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TABLE 2-1 ACCIDENTS/INCIDENTS, BY MONTH, 2005

Months	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
January	1,238	73	1,130	307	20	384	250	25	79	681	28	667
February	1,053	73	669	247	1	13	222	29	67	584	43	589
March	1,161	66	692	302	-	12	253	31	96	606	35	584
April	1,102	76	703	266	-	54	226	35	67	610	41	582
May	1,098	94	680	256	-	18	219	27	91	623	67	571
June	1,128	62	700	266	-	10	233	25	87	629	37	603
July	1,188	88	756	262	5	7	242	40	94	684	43	655
August	1,273	66	829	277	-	9	255	28	100	741	38	720
September	1,160	85	872	274	5	207	245	21	73	641	59	592
October	1,192	59	727	269	1	7	271	25	78	652	33	642
November	1,071	79	643	236	-	9	255	34	80	580	45	554
December	1,294	67	761	261	1	4	369	37	97	664	29	660
<b>Total</b>	<b>13,958</b>	<b>888</b>	<b>9,162</b>	<b>3,223</b>	<b>33</b>	<b>734</b>	<b>3,040</b>	<b>357</b>	<b>1,009</b>	<b>7,695</b>	<b>498</b>	<b>7,419</b>

TABLE 2-2 ACCIDENT/INCIDENT RATES, BY MONTH, 2005

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	11.94	4.77	2.59	3.88	6.57	0.79	10.49	2.03	22.74	2.44
February	10.71	4.02	2.35	3.61	5.94	1.06	4.09	1.16	19.71	2.00
March	10.60	4.42	2.04	3.70	5.53	1.16	3.41	0.77	22.09	2.19
April	10.37	4.04	2.25	3.43	5.74	1.17	6.35	1.90	19.98	2.06
May	10.21	3.83	2.17	3.28	5.79	1.44	4.52	0.40	20.32	1.77
June	10.69	4.09	2.23	3.58	5.96	1.09	3.54	1.06	19.81	2.09
July	11.33	4.00	2.53	3.69	6.52	1.40	2.60	1.19	20.10	2.04
August	11.48	4.02	2.71	3.71	6.68	0.93	5.87	0.89	19.43	2.11
September	10.99	4.18	2.36	3.74	6.07	1.36	17.48	1.20	21.10	2.09
October	10.94	3.96	2.41	3.99	5.98	1.12	3.69	2.10	19.14	2.07
November	10.18	3.58	2.21	3.87	5.51	0.86	3.12	1.62	17.68	1.82
December	12.60	4.03	2.46	5.70	6.47	0.87	4.87	0.95	20.00	1.97
<b>Total</b>	<b>11.00</b>	<b>4.08</b>	<b>2.36</b>	<b>3.85</b>	<b>6.06</b>	<b>1.10</b>	<b>5.77</b>	<b>1.27</b>	<b>20.18</b>	<b>2.05</b>

1. Total accident/incident rate of all reported events \* 1,000,000 / (train miles + hours)
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 + hours)
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, 2005

Groups	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
I	9,916	738	6,002	2,562	20	484	2,468	308	837	4,886	410	4,681
II	2,642	115	2,336	334	13	235	232	33	81	2,076	69	2,020
III	1,400	35	824	327	-	15	340	16	91	733	19	718
All	13,958	888	9,162	3,223	33	734	3,040	357	1,009	7,695	498	7,419

TABLE 2-4 OPERATIONAL DATA BY RAILROAD GROUPS, 2005

Groups	Train Miles	Freight Train Miles	Passenger Train Miles	Yard Switching Train Miles	Other Train Miles	Employee Hours	Passengers Carried
I	683,220,968	567,447,108	35,775,000	67,023,250	12,975,610	378,373,527	25,076,496
II	78,400,179	15,993,379	49,098,440	12,006,564	1,301,796	75,006,608	464,064,173
III	28,872,731	14,559,256	5,024,185	9,169,409	119,881	25,056,279	33,357,201
All	790,493,878	597,999,743	89,897,625	88,199,223	14,397,287	478,436,414	522,497,870

TABLE 2-5 ACCIDENT/INCIDENT RATES BY RAILROAD GROUPS, 2005

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	9.34	3.75	1.93	3.61	4.60	1.09	6.69	1.57	22.38	1.72
II	17.22	4.26	3.59	2.96	13.53	1.33	5.21	1.14	14.16	2.47
III	25.96	11.33	5.12	11.78	13.59	0.87	6.72	0.40	12.00	11.01
Tot	11.00	4.08	2.36	3.85	6.06	1.10	5.77	1.27	20.18	2.05

TABLE 2-6 ACCIDENTS/INCIDENTS BY RAILROAD, 2005

	Group - Railroads	Total			Train Accidents			HRC Incidents			Other Incidents		
		Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
1	Amtrak	1,300	121	1,191	112	1	96	130	45	82	1,058	75	1,013
	Burlington Northern Santa Fe	2,069	153	1,166	660	2	24	456	70	231	953	81	911
	Canadian National	483	23	281	66	4	1	179	11	45	238	8	235
	Canadian Pacific	143	10	83	31	-	-	37	10	8	75	-	75
	CSX Transportation	1,669	112	762	476	1	24	507	47	90	686	64	648
	Kansas City Southern	332	13	140	123	-	6	108	7	37	101	6	97
	Norfolk Southern Corp.	1,387	139	926	326	9	297	492	55	110	569	75	519
	Union Pacific	2,715	167	1,453	950	3	36	559	63	234	1,206	101	1,183
2	Alton & Southern	28	-	11	17	-	-	1	-	1	10	-	10
	Alaska RR Corp.	34	1	29	2	-	-	2	-	-	30	1	29
	Belt Rwy Of Chicago	35	-	11	23	-	-	1	-	-	11	-	11
	Conrail Shared Assets	97	1	28	42	-	-	32	-	6	23	1	22
	Dakota, Minnesota & Eastern	145	4	73	63	-	1	29	2	21	53	2	51
	Elgin, Joliet & Eastern	36	1	13	16	-	-	9	1	2	11	-	11
	Florida East Coast	79	27	21	15	-	-	29	10	2	35	17	19
	Grand Canyon Railway	30	-	30	-	-	-	-	-	-	30	-	30
	Guilford Rail System	23	2	15	6	-	-	-	-	-	17	2	15
	Indiana Harbor Belt	47	1	17	19	-	-	11	1	-	17	-	17
	Long Island Rail Road	330	9	308	12	-	1	14	8	4	304	1	303
	MD Assn. of Rail Comm	11	1	8	2	-	-	-	-	-	9	1	8
	Mass Bay Transit Auth.	99	5	94	-	-	-	4	1	3	95	4	91
	Montreal, Maine & Atlantic	17	-	12	3	-	-	2	-	-	12	-	12
	Metro North Commuter	326	2	285	40	-	2	2	-	1	284	2	282
	Montana Rail Link	62	3	39	14	-	-	7	-	1	41	3	38
	Northern IN Comm Trans	24	-	17	-	-	-	8	-	1	16	-	16
	Northeast IL Reg Comm	256	17	407	6	2	155	22	8	28	228	7	224
	New Jersey Transit Rail	240	9	201	30	-	1	7	1	-	203	8	200
	Paducah & Louisville	10	1	4	2	-	-	3	-	-	5	1	4
	Port Auth Trans Hudson	161	-	159	3	-	-	-	-	-	158	-	159
	Peninsula Comm San Mateo Cnty	34	9	20	3	-	-	2	-	-	29	9	20
	Port Terminal RR Assn	34	-	28	5	-	2	4	-	1	25	-	25
	Southern CA Reg Rail Auth.	58	17	103	8	11	71	17	1	1	33	5	31
	Southeastern PA Trans.	358	5	343	9	-	2	3	-	-	346	5	341
	Term RR Assn Of St. Louis	18	-	2	16	-	-	-	-	-	2	-	2
	Union RR (Pittsburgh)	20	-	17	3	-	-	-	-	-	17	-	17
Wheeling & Lake Erie	41	-	20	14	-	-	16	-	9	11	-	11	
Wisconsin & Southern RR	32	-	21	4	-	-	7	-	-	21	-	21	
3	Other Railroads	1,430	35	824	357	-	15	340	16	91	733	19	718

Highway-Rail Counts Are Excluded From Other Categories

TABLE 2-7 ACCIDENT/INCIDENT RATES BY RAILROAD, 2005

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	17.41	2.96	3.53	3.43	14.17	2.62	6.67	1.57	14.90	2.26
	Burlington Northern Santa Fe	7.51	3.41	1.53	2.36	3.46	0.73	.	.	25.68	1.60
	Canadian National	12.76	2.98	2.93	8.08	6.29	0.77	.	.	7.58	1.63
	Canadian Pacific	7.43	2.65	1.93	3.17	3.90	0.09	.	.	5.13	2.03
	CSX Transportation	9.50	4.39	1.73	4.67	3.91	1.08	.	.	24.25	1.94
	Kansas City Southern	20.87	14.07	2.23	12.36	6.35	1.72	.	.	53.50	8.05
	Norfolk Southern Corp.	8.35	3.20	1.21	4.84	3.43	1.34	.	.	14.66	1.37
	Union Pacific	9.15	4.77	2.10	2.81	4.07	1.09	.	.	34.84	2.16
2	Alton & Southern	16.13	16.20	2.91	0.95	5.76	.	.	.	14.29	.
	Alaska RR Corp.	10.22	1.15	3.65	1.15	9.02	0.58	.	.	1.50	0.93
	Belt Rwy Of Chicago	22.78	44.39	1.57	1.93	7.16	.	.	.	39.63	103.38
	Conrail Shared Assets	17.90	13.62	0.94	10.38	4.25	0.65	.	.	17.62	8.31
	Dakota,Minnesota & Eastern	27.08	19.20	4.92	8.84	9.90	0.91	.	.	39.65	15.92
	Elgin, Joliet & Eastern	16.94	22.20	1.42	12.49	5.18	.	.	.	40.62	11.12
	Florida East Coast	18.79	5.81	1.23	11.23	8.33	8.91	.	.	23.99	2.31
	Grand Canyon Railway	47.09	.	8.42	.	47.09	.	9.97	.	.	.
	Guilford Rail System	7.14	4.22	1.33	.	5.27	3.52	.	.	4.86	3.73
	Indiana Harbor Belt	10.15	6.35	1.83	3.68	3.67	0.33	.	.	14.40	2.47
	Long Island Rail Road	15.87	1.46	3.47	1.71	14.62	0.61	0.74	.	.	0.49
	MD Assn. of Rail Comm	6.42	1.66	2.37	.	5.25	0.83	0.93	.	257.93	0.83
	Mass Bay Transit Auth.	12.62	.	3.84	1.02	12.11	0.76	3.42	.	.	.
	Montreal, Maine & Atlantic	17.18	6.09	4.83	4.06	12.13	.	.	.	.	7.68
	Metro North Commuter	15.58	4.46	3.38	0.22	13.57	0.56	0.89	3.12	.	3.68
	Montana Rail Link	10.58	3.64	3.28	1.82	7.00	1.56	.	.	15.20	2.07
	Northern IN Comm Trans	17.37	.	4.82	10.53	11.58	.	0.82	.	.	.
	Northeast IL Reg Comm	14.45	0.65	1.82	2.38	12.87	1.19	15.27	0.58	.	0.78
	New Jersey Transit Rail	12.90	3.17	3.22	0.74	10.91	1.27	1.42	1.52	23.51	2.41
	Paducah & Louisville	9.16	3.47	1.55	5.20	4.58	1.73	.	.	.	4.38
	Port Auth Trans Hudson	38.49	1.38	8.55	.	37.77	1.38	3.32	.	10.59	.
	Peninsula Comm San Mateo Cnty	15.87	2.17	2.36	1.45	13.54	8.69	0.99	0.75	51.63	0.75
	Port Terminal RR Assn	17.27	3.91	8.13	3.13	12.70	.	.	.	3.91	.
	Southern CA Reg Rail Auth.	21.87	4.05	5.32	8.61	12.44	4.05	25.35	1.01	.	2.53
	Southeastern PA Trans.	42.80	1.76	11.40	0.59	41.37	0.39	18.97	1.56	.	1.76
	Term RR Assn Of St. Louis	13.82	22.53	0.68	.	1.54	.	.	.	18.31	.
	Union RR (Pittsburgh)	21.99	24.46	4.32	.	18.69	.	.	.	8.15	.
	Wheeling & Lake Erie	19.84	11.95	2.23	13.66	5.32	.	.	.	15.69	10.91
Wisconsin & Southern RR	45.29	13.37	10.31	23.39	29.72	.	.	.	.	16.95	
3	Other Railroads	26.52	12.36	5.12	11.78	13.59	0.87	6.72	0.40	13.63	11.77

1. Total accident/incident rate of all reported events \* 1,000,000 / (train miles + hours)
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 + hours)
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, 2005

Railroads		Train Miles	Hours	Total Rate	Train Acc Rate	EOD Rate	HRC Rate	Other Events	Tres Rate
1	ATK - Amtrak	5	5	17	3	4	3	14	3
	BNSF - Burlington Northern Santa Fe	2	2	8	3	2	2	3	1
	CN - Canadian National	6	6	13	3	3	8	6	1
	CP - Canadian Pacific	7	7	7	3	2	3	4	0
	CSX - CSX Transportation	3	3	10	4	2	5	4	1
	KCS - Kansas City Southern	8	8	21	14	2	12	6	2
	NS - Norfolk Southern Corp.	4	4	8	3	1	5	3	1
	UP - Union Pacific	1	1	9	5	2	3	4	1
2	ALS - Alton & Southern	20	21	16	16	3	1	6	0
	ARR - Alaska RR Corp.	14	14	10	1	4	1	9	1
	BRC - Belt Rwy Of Chicago	25	16	23	44	2	2	7	0
	CRSH - Conrail Shared Assets	9	7	18	14	1	10	4	1
	DME - Dakota, Minnesota & Eastern	8	8	27	19	5	9	10	1
	EJE - Elgin, Joliet & Eastern	22	15	17	22	1	12	5	0
	FEC - Florida East Coast	11	13	19	6	1	11	8	9
	GCRX - Grand Canyon Railway	29	25	47	0	8	0	47	0
	GRS - Guilford Rail System	15	11	7	4	1	0	5	4
	IHB - Indiana Harbor Belt	10	12	10	6	2	4	4	0
	LI - Long Island Rail Road	4	1	16	1	3	2	15	1
	MACZ - MD Assn. of Rail Comm	18	27	6	2	2	0	5	1
	MBTA - Mass Bay Transit Auth.	6	5	13	0	4	1	12	1
	MMA - Montreal, Maine & Atlantic	26	28	17	6	5	4	12	0
	MNCW - Metro North Commuter	3	2	16	4	3	0	14	1
	MRL - Montana Rail Link	7	10	11	4	3	2	7	2
	NICD - Northern IN Comm Trans	21	23	17	0	5	11	12	0
	NIRC - Northeast IL Reg Comm	2	4	14	1	2	2	13	1
	NJTR - New Jersey Transit Rail	1	3	13	3	3	1	11	1
	PAL - Paducah & Louisville	24	26	9	3	2	5	5	2
	PATH - Port Auth Trans Hudson	12	9	38	1	9	0	38	1
	PCMZ - Peninsula Comm San Mateo Cnty	16	19	16	2	2	1	14	9
	PTRA - Port Terminal RR Assn	17	20	17	4	8	3	13	0
	SCAX - Southern CA Reg Rail Auth.	13	22	22	4	5	9	12	4
	SEPA - Southeastern PA Trans.	5	6	43	2	11	1	41	0
	TRRA - Term RR Assn Of St. Louis	23	24	14	23	1	0	2	0
	URR - Union RR (Pittsburgh)	28	18	22	24	4	0	19	0
	WE - Wheeling & Lake Erie	19	17	20	12	2	14	5	0
	WSOR - Wisconsin & Southern RR	27	29	45	13	10	23	30	0

TABLE 2-9 OPERATIONAL DATA, BY RAILROAD, 2005

Railroads	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgrs Carried	Psgr Miles Millions
ALS	1,049,546	0.13	686,788	0.14	-	-	1,049,546	-	-	-
ARR	1,738,641	0.22	1,587,877	0.33	833,261	239,353	665,979	48	200,266	25
ATK	37,855,704	4.79	36,831,282	7.70	-	35,775,000	2,080,704	-	25,076,496	5,381
BNSF	193,486,771	24.48	82,010,039	17.14	178,924,409	-	14,562,362	-	-	-
BRC	518,136	0.07	1,018,277	0.21	38,692	-	479,444	-	-	-
CN	22,155,109	2.80	15,688,358	3.28	17,118,328	-	5,011,894	24,887	-	-
CP	11,688,973	1.48	7,559,930	1.58	9,348,231	-	2,340,742	-	-	-
CRSH	3,082,692	0.39	2,335,305	0.49	1,322,952	-	1,759,740	-	-	-
CSX	108,459,091	13.72	67,206,910	14.05	96,542,127	-	11,916,964	-	-	-
DME	3,281,212	0.42	2,074,042	0.43	2,827,276	-	453,936	-	-	-
EJE	720,611	0.09	1,404,628	0.29	449,790	-	270,821	-	-	-
FEC	2,582,284	0.33	1,621,142	0.34	2,165,401	-	416,883	-	-	-
GCRX	66,708	0.01	570,386	0.12	-	61,806	2,252	2,650	494,065	30
GRS	1,422,299	0.18	1,800,665	0.38	804,861	-	617,438	-	-	-
IHB	2,992,857	0.38	1,638,251	0.34	1,496,928	-	972,492	523,437	-	-
KCS	8,740,394	1.11	7,165,233	1.50	7,581,582	-	1,158,812	-	-	-
LI	8,210,549	1.04	12,577,917	2.63	-	8,210,549	-	-	80,146,557	2,155
MACZ	1,207,137	0.15	506,608	0.11	-	1,138,171	3,877	65,089	7,063,775	214
MBTA	3,937,580	0.50	3,906,617	0.82	-	3,937,580	-	-	37,885,348	410
MMA	492,748	0.06	496,680	0.10	390,558	-	102,190	-	-	-
MNCW	8,969,515	1.13	11,952,491	2.50	-	8,969,515	-	-	73,111,076	2,139
MRL	3,848,771	0.49	2,010,524	0.42	3,388,382	-	460,389	-	-	-
NICD	759,746	0.10	622,108	0.13	-	759,746	-	-	3,997,202	122
NIRC	9,239,517	1.17	8,479,303	1.77	669,071	6,896,068	1,538,376	136,002	75,763,636	1,702
NJTR	9,474,541	1.20	9,135,684	1.91	-	8,562,605	340,216	571,720	67,069,100	1,762
NS	101,731,375	12.87	64,371,222	13.45	87,681,961	-	14,049,414	-	-	-
PAL	576,773	0.07	514,696	0.11	456,809	-	119,964	-	-	-
PATH	2,171,962	0.27	2,010,886	0.42	-	1,888,664	283,298	-	69,168,723	301
PCMZ	1,380,644	0.17	761,319	0.16	-	1,341,906	38,738	-	9,867,498	203
PTRA	1,279,872	0.16	688,972	0.14	-	-	1,279,872	-	-	-
SCAX	1,974,756	0.25	676,984	0.14	-	1,974,756	-	-	9,445,414	320
SEPA	5,117,721	0.65	3,246,647	0.68	-	5,117,721	-	-	29,851,513	406
TRRA	710,150	0.09	592,259	0.12	-	-	710,150	-	-	-
UP	199,103,551	25.19	97,540,553	20.39	170,250,470	-	15,902,358	12,950,723	-	-
URR	122,647	0.02	786,810	0.16	-	-	122,647	-	-	-
WE	1,171,285	0.15	895,517	0.19	916,269	-	255,016	-	-	-
WSOR	299,279	0.04	407,225	0.09	233,129	-	63,300	2,850	-	-
XXXX	28,872,731	3.65	25,056,279	5.24	14,559,256	5,024,185	9,169,409	119,881	33,357,201	580
Total	790,493,878	100.0	478,436,414	100.0	597,999,743	89,897,625	88,199,223	14,397,287	522,497,870	15,752

XXXX = all other railroads



**TABLE 2-10 OPERATIONAL DATA, BY MONTH, 2005**

Months	Total Train Miles	%	Employee Hours Worked	%	Freight Train Miles	Passenger Train Miles	Yard Switching Miles	Other Train Miles	Psgrs Carried	Psgr Miles Millions
January	64,381,546	8.14	39,269,716	8.21	48,436,748	7,386,346	7,388,369	1,170,083	39,528,806	1,154
February	61,415,824	7.77	36,861,200	7.70	46,446,302	6,868,210	7,000,992	1,100,320	38,486,905	1,126
March	68,323,584	8.64	41,185,915	8.61	51,632,971	7,764,667	7,650,509	1,275,437	44,344,385	1,348
April	65,920,501	8.34	40,351,452	8.43	50,085,036	7,370,568	7,258,565	1,206,332	42,640,510	1,275
May	66,832,213	8.45	40,730,321	8.51	50,619,485	7,554,495	7,430,445	1,227,788	43,797,221	1,328
June	65,078,864	8.23	40,434,610	8.45	48,969,574	7,562,132	7,318,129	1,229,029	45,723,470	1,413
July	65,562,274	8.29	39,299,142	8.21	49,653,724	7,587,282	7,113,321	1,207,947	44,208,408	1,422
August	68,819,977	8.71	42,097,511	8.80	52,028,464	7,895,607	7,615,678	1,280,228	45,796,175	1,431
September	65,528,400	8.29	39,992,449	8.36	49,684,476	7,490,953	7,204,780	1,148,191	44,659,530	1,321
October	67,994,498	8.60	40,976,877	8.56	51,660,760	7,604,173	7,523,246	1,206,319	45,068,383	1,326
November	65,936,079	8.34	39,256,855	8.21	50,056,713	7,418,549	7,295,120	1,165,697	44,683,124	1,315
December	64,700,118	8.18	37,980,366	7.94	48,725,490	7,394,643	7,400,069	1,179,916	43,560,953	1,293
<b>Total</b>	<b>790,493,878</b>	<b>100.0</b>	<b>478,436,414</b>	<b>100.0</b>	<b>597,999,743</b>	<b>89,897,625</b>	<b>88,199,223</b>	<b>14,397,287</b>	<b>522,497,870</b>	<b>15,752</b>

TABLE 2-11 SUMMARY OF ACCIDENTS/INCIDENTS BY STATE, 2005

States	Total			Train Accidents			HRC Incidents			Other Incidents		
	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal	Cnt	Deaths	Nonfatal
Alabama	289	24	145	72	-	1	113	16	44	104	8	100
Alaska	60	1	56	2	-	-	2	-	-	56	1	56
Arizona	197	23	114	35	-	1	39	2	5	123	21	108
Arkansas	271	15	160	85	1	5	72	8	40	114	6	115
California	946	125	682	197	12	86	148	22	58	601	91	538
Colorado	231	9	158	65	1	11	36	6	18	130	2	129
Connecticut	143	6	101	37	-	1	6	3	2	100	3	98
Delaware	72	2	61	6	-	-	8	1	3	58	1	58
Dist Of Columbia	122	2	107	13	-	-	-	-	-	109	2	107
Florida	382	51	215	62	-	5	103	17	21	217	34	189
Georgia	363	26	149	95	-	2	129	12	18	139	14	129
Hawaii	2	-	1	0	-	-	1	-	-	1	0	1
Idaho	100	2	54	30	-	1	23	1	6	47	1	47
Illinois	1,131	55	936	242	3	157	180	31	82	709	21	697
Indiana	432	36	185	91	-	1	172	21	26	169	15	158
Iowa	270	10	160	76	-	7	77	6	32	117	4	121
Kansas	289	10	158	104	-	4	63	7	32	122	3	122
Kentucky	227	14	120	47	-	2	86	7	26	94	7	92
Louisiana	332	30	177	85	-	-	131	20	44	116	10	133
Maine	28	-	20	5	-	-	5	-	2	18	0	18
Maryland	130	12	65	40	-	1	19	1	1	71	11	63
Massachusetts	196	7	168	22	-	4	11	1	6	163	6	158
Michigan	243	11	119	36	-	-	95	5	13	112	6	106
Minnesota	252	11	148	66	-	1	65	9	28	121	2	119
Mississippi	197	22	103	50	4	7	79	10	30	68	8	66
Missouri	279	22	215	71	-	37	64	17	31	144	5	147
Montana	133	10	75	35	-	-	20	3	4	78	7	71
Nebraska	325	17	176	122	-	3	50	12	22	153	5	151
Nevada	50	5	29	14	-	-	4	1	-	32	4	29
New Hampshire	8	-	4	2	-	-	2	-	-	4	0	4
New Jersey	510	17	394	77	1	2	44	2	11	389	14	381
New Mexico	128	12	69	39	-	1	20	4	7	69	8	61
New York	884	25	754	106	-	6	41	13	10	737	12	738
North Carolina	177	24	99	29	-	-	66	6	34	82	18	65
North Dakota	91	8	54	25	-	2	18	8	4	48	0	48
Ohio	454	23	244	116	-	4	133	8	37	205	15	203
Oklahoma	201	12	99	69	-	1	64	6	34	68	6	64
Oregon	193	4	105	68	-	3	27	1	4	98	3	98
Pennsylvania	781	26	597	107	-	3	80	5	17	594	21	577
Rhode Island	15	-	13	1	-	-	1	-	-	13	0	13
South Carolina	158	30	362	26	9	296	75	9	16	57	12	50
South Dakota	66	3	31	25	-	-	18	2	9	23	1	22
Tennessee	259	18	135	67	-	2	78	7	28	114	11	105
Texas	1,241	72	662	390	1	23	323	23	143	528	48	496
Utah	87	3	51	31	-	7	18	2	7	38	1	37
Vermont	29	-	21	7	-	-	4	-	3	18	0	18
Virginia	235	5	150	55	-	6	50	2	12	130	3	132
Washington	267	20	190	66	-	38	57	6	14	144	14	138
West Virginia	143	6	69	42	-	3	35	1	4	66	5	62
Wisconsin	233	19	134	31	1	-	84	13	20	118	5	114
Wyoming	106	3	68	39	-	-	1	-	1	66	3	67
<b>Total</b>	<b>13,958</b>	<b>888</b>	<b>9,162</b>	<b>3,223</b>	<b>33</b>	<b>734</b>	<b>3,040</b>	<b>357</b>	<b>1,009</b>	<b>7,695</b>	<b>498</b>	<b>7,419</b>

## 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 OSHA 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.

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 F 6180.55a:

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 work days, the loss of one or more work days, termination of employment, transfer to another job, or loss of consciousness; or
4. Any occupational illness of a railroad employee.

A railroad need not report the following:

1. Casualties at highway-rail 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 F 6180.55a if the event or exposure is a discernable cause of one or more of the following out comes, and this outcome is a new case or a significant aggravation of a pre-existing 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:
  - (i) A day away from work;
  - (ii) Restricted work activity or job transfer; or
  - (iii) Loss of consciousness;
- (4) Occupational illness of a railroad employee that results in any of the following:
  - (i) A day away from work;
  - (ii) Restricted work activity or job transfer;
  - (iii) Loss of consciousness; or
  - (iv) Medical treatment;
- (5) A significant injury to or illness of a railroad employee diagnosed by a physician or other licensed health care 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:
  - (i) A needle stick or sharps injury to a railroad employee;
  - (ii) Medical removal of a railroad employee;
  - (iii) Occupational hearing loss of a railroad employee;
  - (iv) Occupational tuberculosis of a railroad employee; or
  - (v) 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; and
- (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:
  - (i) a train accident, a train incident, or a highway-rail crossing accident or incident involving the railroad; or

(ii) 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 work place 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 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; or
4. Attempted suicides.

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**CHAPTER 3**

**CASUALTY REPORTING**

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TABLE 3-1 CASUALTIES BY TYPE PERSON AND PRIMARY EVENT, 2005

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	5,387	25	5,616	7	126	2	111	16	5,379
B - Employee not on duty	.	183	.	208	.	9	.	3	.	196
C - Passenger on train	6	578	16	893	12	294	.	29	4	570
D - Nontrespasser	190	869	229	1,020	1	1	218	577	10	442
E - Trespasser	584	589	603	689	4	1	136	283	463	405
F - Worker on duty(contractor)	2	169	2	173	.	5	.	.	2	168
G - Contractor(other)	2	221	2	229	.	.	.	2	2	227
H - Worker on duty(volunteer)	.	1	.	1	.	.	.	.	.	1
J - Nontrespasser, off rr property	4	11	11	333	9	298	1	4	1	31
<b>Total..</b>	<b>808</b>	<b>8,008</b>	<b>888</b>	<b>9,162</b>	<b>33</b>	<b>734</b>	<b>357</b>	<b>1,009</b>	<b>498</b>	<b>7,419</b>

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

TABLE 3-2 FATALITIES BY TYPE PERSON AND RAILROAD, 2005

	Total %		Type Person Codes							
			A	C	D	E	F	G	J	
Alaska RR Corp.	1	0.1	-	-	-	-	1	-	-	-
Amtrak	121	13.6	1	2	17	101	-	-	-	-
Burlington Northern Santa Fe	153	17.2	4	-	44	104	-	1	-	-
Canadian National	23	2.6	4	-	8	11	-	-	-	-
Canadian Pacific	10	1.1	-	-	10	-	-	-	-	-
Conrail Shared Assets	1	0.1	-	-	-	1	-	-	-	-
CSX Transportation	112	12.6	1	-	34	77	-	-	-	-
Dakota,Minnesota & Eastern	4	0.5	-	-	-	4	-	-	-	-
Elgin, Joliet & Eastern	1	0.1	-	-	-	-	-	-	-	1
Florida East Coast	27	3.0	-	-	10	17	-	-	-	-
Guilford Rail System	2	0.2	-	-	-	2	-	-	-	-
Indiana Harbor Belt	1	0.1	-	-	-	1	-	-	-	-
Kansas City Southern	13	1.5	-	-	7	5	1	-	-	-
Long Island Rail Road	9	1.0	-	-	-	9	-	-	-	-
MD Assn. of Rail Comm	1	0.1	-	-	-	1	-	-	-	-
Mass Bay Transit Auth.	5	0.6	-	1	-	4	-	-	-	-
Metro North Commuter	2	0.2	-	-	-	2	-	-	-	-
Montana Rail Link	3	0.3	-	-	-	3	-	-	-	-
Northeast IL Reg Comm	17	1.9	-	2	1	14	-	-	-	-
New Jersey Transit Rail	9	1.0	-	1	-	8	-	-	-	-
Norfolk Southern Corp.	139	15.7	2	-	41	88	-	-	8	-
Paducah & Louisville	1	0.1	-	-	-	1	-	-	-	-
Peninsula Comm San Mateo Cnty	9	1.0	-	-	-	9	-	-	-	-
Southern CA Reg Rail Auth.	17	1.9	1	10	-	6	-	-	-	-
Southeastern PA Trans.	5	0.6	-	-	2	2	-	1	-	-
Union Pacific	167	18.8	8	-	41	115	1	-	2	-
Other Railroads	35	3.9	4	-	14	17	-	-	-	-
<b>Total</b>	<b>888</b>	<b>100</b>	<b>25</b>	<b>16</b>	<b>229</b>	<b>603</b>	<b>2</b>	<b>2</b>	<b>11</b>	

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 3-3 FATALITIES BY TYPE PERSON KILLED AND STATE, 2005

States			Type Person Codes						
	Total	%	A	C	D	E	F	G	J
Alabama	24	2.7	2	-	14	8	-	-	-
Alaska	1	0.1	-	-	-	1	-	-	-
Arizona	23	2.6	-	-	1	22	-	-	-
Arkansas	15	1.7	2	-	7	5	-	-	1
California	125	14.1	2	10	7	105	1	-	-
Colorado	9	1.0	-	-	4	5	-	-	-
Connecticut	6	0.7	-	-	-	6	-	-	-
Delaware	2	0.2	-	-	-	2	-	-	-
Dist Of Columbia	2	0.2	-	1	-	1	-	-	-
Florida	51	5.7	-	-	10	41	-	-	-
Georgia	26	2.9	-	-	10	16	-	-	-
Idaho	2	0.2	-	-	-	2	-	-	-
Illinois	55	6.2	-	3	17	34	-	-	1
Indiana	36	4.1	-	-	11	24	-	-	1
Iowa	10	1.1	2	-	5	3	-	-	-
Kansas	10	1.1	1	-	6	3	-	-	-
Kentucky	14	1.6	-	-	7	7	-	-	-
Louisiana	30	3.4	-	-	19	11	-	-	-
Maryland	12	1.4	1	-	1	10	-	-	-
Massachusetts	7	0.8	-	1	-	6	-	-	-
Michigan	11	1.2	1	-	2	8	-	-	-
Minnesota	11	1.2	-	-	6	5	-	-	-
Mississippi	22	2.5	4	-	9	9	-	-	-
Missouri	22	2.5	-	-	15	7	-	-	-
Montana	10	1.1	-	-	1	9	-	-	-
Nebraska	17	1.9	-	-	7	10	-	-	-
Nevada	5	0.6	-	-	-	5	-	-	-
New Jersey	17	1.9	-	1	2	14	-	-	-
New Mexico	12	1.4	-	-	2	10	-	-	-
New York	25	2.8	-	-	4	21	-	-	-
North Carolina	24	2.7	-	-	-	24	-	-	-
North Dakota	8	0.9	-	-	7	1	-	-	-
Ohio	23	2.6	-	-	4	19	-	-	-
Oklahoma	12	1.4	1	-	3	8	-	-	-
Oregon	4	0.5	1	-	-	3	-	-	-
Pennsylvania	26	2.9	-	-	6	19	-	1	-
South Carolina	30	3.4	2	-	6	14	-	-	8
South Dakota	3	0.3	-	-	2	1	-	-	-
Tennessee	18	2.0	1	-	4	13	-	-	-
Texas	72	8.1	2	-	14	54	1	1	-
Utah	3	0.3	1	-	2	-	-	-	-
Virginia	5	0.6	-	-	2	3	-	-	-
Washington	20	2.3	-	-	2	18	-	-	-
West Virginia	6	0.7	-	-	1	5	-	-	-
Wisconsin	19	2.1	1	-	9	9	-	-	-
Wyoming	3	0.3	1	-	-	2	-	-	-
<b>Total</b>	<b>888</b>	<b>100.0</b>	<b>25</b>	<b>16</b>	<b>229</b>	<b>603</b>	<b>2</b>	<b>2</b>	<b>11</b>

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 PERSON AND RAILROAD, 2005

			Type Person Codes								
	Total	%	A	B	C	D	E	F	G	H	J
Alton & Southern	11	0.1	10	-	-	1	-	-	-	-	-
Alaska RR Corp.	29	0.3	29	-	-	-	-	-	-	-	-
Amtrak	1,191	13.0	649	31	357	101	49	3	1	-	-
Burlington Northern Santa Fe	1,166	12.7	622	72	-	166	129	27	149	-	1
Belt Rwy Of Chicago	11	0.1	8	1	-	-	-	1	1	-	-
Canadian National	281	3.1	226	1	-	36	15	-	3	-	-
Canadian Pacific	83	0.9	73	-	-	7	1	2	-	-	-
Conrail Shared Assets	28	0.3	11	1	-	9	7	-	-	-	-
CSX Transportation	762	8.3	582	24	-	67	78	4	4	-	3
Dakota,Minnesota & Eastern	73	0.8	51	-	-	-	22	-	-	-	-
Elgin, Joliet & Eastern	13	0.1	10	-	-	1	-	1	-	-	1
Florida East Coast	21	0.2	10	2	-	2	6	-	1	-	-
Grand Canyon Railway	30	0.3	24	1	3	2	-	-	-	-	-
Guilford Rail System	15	0.2	12	-	-	-	3	-	-	-	-
Indiana Harbor Belt	17	0.2	15	1	-	-	1	-	-	-	-
Kansas City Southern	140	1.5	80	2	-	32	10	16	-	-	-
Long Island Rail Road	308	3.4	218	1	16	62	7	-	4	-	-
MD Assn. of Rail Comm	8	0.1	6	-	2	-	-	-	-	-	-
Mass Bay Transit Auth.	94	1.0	75	1	13	3	2	-	-	-	-
Montreal, Maine & Atlantic	12	0.1	12	-	-	-	-	-	-	-	-
Metro North Commuter	285	3.1	202	9	19	48	3	-	3	-	1
Montana Rail Link	39	0.4	33	1	-	2	3	-	-	-	-
Northern IN Comm Trans	17	0.2	15	-	1	-	1	-	-	-	-
Northeast IL Reg Comm	407	4.4	77	5	258	30	28	2	7	-	-
New Jersey Transit Rail	201	2.2	147	11	24	14	5	-	-	-	-
Norfolk Southern Corp.	926	10.1	389	10	1	60	107	49	19	-	291
Paducah & Louisville	4	0.0	4	-	-	-	-	-	-	-	-
Port Auth Trans Hudson	159	1.7	86	-	10	40	3	12	8	-	-
Peninsula Comm San Mateo Cnty	20	0.2	9	1	2	4	3	1	-	-	-
Port Terminal RR Assn	28	0.3	28	-	-	-	-	-	-	-	-
Southern CA Reg Rail Auth.	103	1.1	17	-	71	-	4	11	-	-	-
Southeastern PA Trans.	343	3.7	185	-	77	80	-	-	1	-	-
Term RR Assn Of St. Louis	2	0.0	2	-	-	-	-	-	-	-	-
Union Pacific	1,453	15.9	1,014	27	-	177	170	22	9	-	34
Union RR (Pittsburgh)	17	0.2	17	-	-	-	-	-	-	-	-
Wheeling & Lake Erie	20	0.2	10	-	-	-	9	1	-	-	-
Wisconsin & Southern RR	21	0.2	21	-	-	-	-	-	-	-	-
Other Railroads	824	9.0	637	6	39	76	23	21	19	1	2
<b>Total</b>	<b>9,162</b>	<b>100</b>	<b>5,616</b>	<b>208</b>	<b>893</b>	<b>1,020</b>	<b>689</b>	<b>173</b>	<b>229</b>	<b>1</b>	<b>333</b>

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 PERSON AND STATE, 2005

			Type Person codes									
	Total	%	A	B	C	D	E	F	G	H	J	
Alabama	145	1.6	89	2	5	31	15	2	1	-	-	
Alaska	56	0.6	51	1	4	-	-	-	-	-	-	
Arizona	114	1.2	78	3	8	8	16	-	1	-	-	
Arkansas	160	1.7	101	6	2	29	11	3	3	-	5	
California	682	7.4	371	11	117	38	98	22	24	-	1	
Colorado	158	1.7	97	7	21	17	11	2	3	-	-	
Connecticut	101	1.1	80	-	10	8	2	-	-	-	1	
Delaware	61	0.7	51	1	3	-	5	1	-	-	-	
Dist Of Columbia	107	1.2	92	2	9	3	-	1	-	-	-	
Florida	215	2.3	107	7	27	17	28	10	16	-	3	
Georgia	149	1.6	110	3	5	8	19	2	1	-	1	
Hawaii	1	0.0	1	-	-	-	-	-	-	-	-	
Idaho	54	0.6	42	2	1	4	2	1	2	-	-	
Illinois	936	10.2	415	18	273	86	57	24	62	-	1	
Indiana	185	2.0	138	2	6	17	15	5	1	1	-	
Iowa	160	1.7	121	1	3	16	16	1	2	-	-	
Kansas	158	1.7	98	7	1	24	11	2	15	-	-	
Kentucky	120	1.3	82	1	-	23	8	5	1	-	-	
Louisiana	177	1.9	92	4	2	38	13	4	-	-	24	
Maine	20	0.2	17	-	1	-	2	-	-	-	-	
Maryland	65	0.7	42	1	8	4	9	1	-	-	-	
Massachusetts	168	1.8	134	3	16	6	8	-	1	-	-	
Michigan	119	1.3	93	2	2	10	7	4	1	-	-	
Minnesota	148	1.6	102	2	2	20	13	4	5	-	-	
Mississippi	103	1.1	56	3	4	31	7	2	-	-	-	
Missouri	215	2.3	114	11	35	24	19	3	9	-	-	
Montana	75	0.8	60	-	5	5	4	-	1	-	-	
Nebraska	176	1.9	138	7	3	15	9	1	3	-	-	
Nevada	29	0.3	19	1	3	-	4	2	-	-	-	
New Hampshire	4	0.0	4	-	-	-	-	-	-	-	-	
New Jersey	394	4.3	256	11	36	63	13	9	6	-	-	
New Mexico	69	0.8	48	-	7	4	9	-	1	-	-	
New York	754	8.2	528	16	47	127	15	8	13	-	-	
North Carolina	99	1.1	39	5	25	8	21	1	-	-	-	
North Dakota	54	0.6	40	2	5	3	2	2	-	-	-	
Ohio	244	2.7	177	5	1	18	34	4	5	-	-	
Oklahoma	99	1.1	57	1	-	28	8	1	3	-	1	
Oregon	105	1.1	69	4	11	8	10	1	2	-	-	
Pennsylvania	597	6.5	379	12	85	95	20	4	2	-	-	
Rhode Island	13	0.1	12	-	-	1	-	-	-	-	-	
South Carolina	362	4.0	30	2	13	12	12	1	1	-	291	
South Dakota	31	0.3	18	2	-	6	4	-	1	-	-	
Tennessee	135	1.5	93	2	1	22	11	-	6	-	-	
Texas	662	7.2	405	14	19	95	77	28	20	-	4	
Utah	51	0.6	34	-	9	4	3	1	-	-	-	
Vermont	21	0.2	16	-	-	4	1	-	-	-	-	
Virginia	150	1.6	99	3	16	15	8	5	4	-	-	
Washington	190	2.1	101	17	35	9	19	1	7	-	1	
West Virginia	69	0.8	54	-	3	4	5	3	-	-	-	
Wisconsin	134	1.5	111	-	4	12	5	1	1	-	-	
Wyoming	68	0.7	55	4	-	-	3	1	5	-	-	
Total	9,162	100.0	5,616	208	893	1,020	689	173	229	1	333	

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 TYPE PERSONS, 2005

Condition	Cnt	%	Type of Person *								
			A	B	C	D	E	F	G	H	J
Bruise/contusion	1,467	14.6	776	37	228	239	113	35	39	-	-
Occ. Illness	276	2.7	261	6	-	-	-	5	4	-	-
Crushing injury	104	1.0	59	-	6	2	24	7	6	-	-
Sprain/Str., other	77	0.8	40	3	1	21	8	-	4	-	-
Sprain/Str.,arm/hand	278	2.8	227	6	16	14	3	6	6	-	-
Sprain/Str.,leg/foot	961	9.6	731	34	93	51	11	18	22	-	1
Sprain/Str.,head/face	287	2.9	197	17	20	26	13	2	10	-	2
Sprain/Str.,torso	1,571	15.6	1,302	38	105	74	10	19	23	-	-
Cut/abrasion	1,183	11.8	679	17	109	182	124	33	38	1	-
Puncture wound	93	0.9	78	6	2	1	2	1	3	-	-
Needle stick	10	0.1	10	-	-	-	-	-	-	-	-
Electric shock/burn	33	0.3	28	-	-	-	2	1	2	-	-
Other burn	82	0.8	64	4	2	5	2	2	3	-	-
Dislocation	65	0.6	48	2	7	6	-	-	2	-	-
Fracture,other	10	0.1	2	-	2	4	2	-	-	-	-
Fracture,arm/hand	345	3.4	209	3	33	41	22	15	22	-	-
Fracture,leg/foot	358	3.6	182	4	51	58	43	7	13	-	-
Fracture,head/face	72	0.7	15	1	14	22	12	2	5	-	1
Fracture,torso	160	1.6	62	5	36	33	16	5	3	-	-
Fracture,multiple	18	0.2	4	-	-	6	7	1	-	-	-
Rupture/tear, tendon, e	113	1.1	100	2	2	9	-	-	-	-	-
Gunshot/knife wound	4	0.0	3	-	1	-	-	-	-	-	-
Animal/snake/insect bit	48	0.5	40	6	1	-	-	1	-	-	-
Dental related	40	0.4	17	1	7	9	1	1	4	-	-
Amputation,arm/hand	39	0.4	17	-	1	2	15	1	3	-	-
Amputation,leg/foot	82	0.8	11	-	2	3	65	-	1	-	-
Fatality	888	8.8	25	-	16	229	603	2	2	-	11
Object in eye	141	1.4	124	6	9	-	-	2	-	-	-
Hernia	43	0.4	40	-	-	1	-	-	2	-	-
Concussion	83	0.8	34	2	6	26	10	2	3	-	-
Nervous shock	1	0.0	-	-	1	-	-	-	-	-	-
Internal injury	75	0.7	11	1	6	21	35	1	-	-	-
Skin reaction	58	0.6	28	-	-	1	1	-	-	-	28
One-time exp. to noise	12	0.1	9	2	-	-	1	-	-	-	-
Unspecified injury	887	8.8	128	5	131	162	147	4	11	-	299
One-time exp.-fumes	86	0.9	80	-	1	1	-	2	-	-	2
<b>Total</b>	<b>10,050</b>	<b>100.0</b>	<b>5,641</b>	<b>208</b>	<b>909</b>	<b>1,249</b>	<b>1,292</b>	<b>175</b>	<b>231</b>	<b>1</b>	<b>344</b>

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 3-7 TOTAL CASUALTIES BY AGE OF INDIVIDUAL, 2005  
AND TYPE OF PERSON**

Age		Total		Type of Person *								
		Cnt	%	A	B	C	D	E	F	G	H	J
Kid	Unk	72	0.7	-	-	10	13	49	-	-	-	-
	1-5	7	0.1	-	-	-	2	5	-	-	-	-
	6-10	8	0.1	-	-	-	4	4	-	-	-	-
	11-15	24	0.2	-	-	-	5	19	-	-	-	-
	16-20	92	0.9	-	-	-	31	59	-	-	-	2
	21-25	76	0.8	3	-	1	17	52	1	1	-	1
	26-30	71	0.7	2	-	-	17	52	-	-	-	-
	31-35	67	0.7	2	-	1	18	46	-	-	-	-
	36-40	81	0.8	1	-	1	23	54	-	-	-	2
	41-45	86	0.9	-	-	-	15	68	-	1	-	2
	46-50	71	0.7	6	-	-	14	51	-	-	-	-
	51-55	70	0.7	5	-	1	7	56	-	-	-	1
	56-60	47	0.5	6	-	-	15	24	-	-	-	2
	> 60	116	1.2	-	-	2	48	64	1	-	-	1
<b>Total</b>	<b>888</b>	<b>8.8</b>	<b>25</b>	<b>-</b>	<b>16</b>	<b>229</b>	<b>603</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>11</b>	
Nonfatal	Unk	715	7.1	-	-	128	166	78	17	32	-	294
	1-5	30	0.3	-	-	14	9	5	1	-	-	1
	6-10	37	0.4	-	-	10	13	12	-	-	-	2
	11-15	62	0.6	-	-	15	15	29	-	-	-	3
	16-20	274	2.7	50	2	38	91	69	9	10	-	5
	21-25	589	5.9	322	11	31	95	67	33	30	-	-
	26-30	755	7.5	511	14	37	62	71	22	35	-	3
	31-35	937	9.3	693	21	42	69	61	23	23	-	5
	36-40	929	9.2	660	20	56	74	68	16	27	-	8
	41-45	965	9.6	714	22	47	76	65	16	24	-	1
	46-50	1,211	12.0	892	45	101	74	62	10	25	-	2
	51-55	1,190	11.8	936	37	94	66	32	13	9	-	3
	56-60	857	8.5	650	29	72	67	23	8	7	-	1
	> 60	611	6.1	188	7	208	143	47	5	7	1	5
<b>Total</b>	<b>9,162</b>	<b>91.2</b>	<b>5,616</b>	<b>208</b>	<b>893</b>	<b>1,020</b>	<b>689</b>	<b>173</b>	<b>229</b>	<b>1</b>	<b>333</b>	
<b>Total</b>	<b>10,050</b>	<b>100.0</b>	<b>5,641</b>	<b>208</b>	<b>909</b>	<b>1,249</b>	<b>1,292</b>	<b>175</b>	<b>231</b>	<b>1</b>	<b>344</b>	

*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 PERSON, 2005

Month	Total Cnt	Type of Person *									
		A	B	C	D	E	F	G	H	I	J
KId	January	73	4	-	11	16	32	1	1	-	8
	February	73	2	-	1	20	50	-	-	-	-
	March	66	-	-	-	16	50	-	-	-	-
	April	76	3	-	-	28	45	-	-	-	-
	May	94	1	-	1	18	74	-	-	-	-
	June	62	1	-	-	12	49	-	-	-	-
	July	88	7	-	-	30	51	-	-	-	-
	August	66	2	-	-	16	47	-	-	-	1
	September	85	1	-	3	12	69	-	-	-	-
	October	59	1	-	-	16	41	-	-	-	1
	November	79	2	-	-	23	53	-	-	-	1
	December	67	1	-	-	22	42	1	1	-	-
	<b>Total</b>	888	25	-	16	229	603	2	2	-	11
Nonfatal	January	1,130	504	28	110	107	55	11	19	-	296
	February	669	431	20	45	72	47	11	19	-	24
	March	692	420	20	46	110	65	12	16	-	3
	April	703	450	15	81	64	65	9	19	-	-
	May	680	440	6	59	87	54	13	15	-	6
	June	700	450	7	50	92	57	18	26	-	-
	July	756	490	22	37	96	71	13	27	-	-
	August	829	569	19	84	78	38	20	21	-	-
	September	872	470	21	228	66	55	15	15	-	2
	October	727	493	15	49	66	71	19	13	-	1
	November	643	432	12	41	64	55	17	20	1	1
	December	761	467	23	63	118	56	15	19	-	-
	<b>Total</b>	9,162	5,616	208	893	1,020	689	173	229	1	333
<b>Total</b>	10,050	5,641	208	909	1,249	1,292	175	231	1	344	

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, 2005**

Time	Total		Type of Person *									
	Cnt	%	A	B	C	D	E	F	G	H	J	
AM 1	284	2.8	172	2	7	27	67	2	7	-	-	
2	551	5.5	168	3	7	20	46	2	3	-	302	
3	238	2.4	157	4	5	12	50	2	5	-	3	
4	186	1.9	127	5	5	10	35	2	1	-	1	
5	191	1.9	117	15	7	13	31	3	5	-	-	
6	354	3.5	123	20	106	49	42	7	7	-	-	
7	445	4.4	208	23	69	71	51	10	9	-	4	
8	733	7.3	392	22	197	66	36	9	11	-	-	
9	631	6.3	403	4	59	85	39	18	22	-	1	
10	774	7.7	560	9	26	97	42	13	27	-	-	
11	653	6.5	428	12	38	92	51	12	19	1	-	
12	230	2.3	133	4	10	18	58	4	2	-	1	
<b>Total</b>	<b>5,270</b>	<b>52.4</b>	<b>2,988</b>	<b>123</b>	<b>536</b>	<b>560</b>	<b>548</b>	<b>84</b>	<b>118</b>	<b>1</b>	<b>312</b>	
PM 1	566	5.6	362	5	21	92	56	17	13	-	-	
2	507	5.0	327	14	23	68	51	11	13	-	-	
3	437	4.3	244	7	28	80	61	8	9	-	-	
4	457	4.5	256	10	37	63	74	7	10	-	-	
5	433	4.3	198	6	51	82	76	8	9	-	3	
6	394	3.9	194	7	35	66	72	9	10	-	1	
7	346	3.4	178	3	27	43	76	4	13	-	2	
8	291	2.9	180	2	17	34	50	4	4	-	-	
9	328	3.3	177	8	21	30	62	3	3	-	24	
10	247	2.5	146	8	15	27	44	6	1	-	-	
11	271	2.7	127	10	34	29	60	4	6	-	1	
12	503	5.0	264	5	64	75	62	10	22	-	1	
<b>Total</b>	<b>4,780</b>	<b>47.6</b>	<b>2,653</b>	<b>85</b>	<b>373</b>	<b>689</b>	<b>744</b>	<b>91</b>	<b>113</b>	<b>-</b>	<b>32</b>	
<b>Total</b>	<b>10,050</b>	<b>100</b>	<b>5,641</b>	<b>208</b>	<b>909</b>	<b>1,249</b>	<b>1,292</b>	<b>175</b>	<b>231</b>	<b>1</b>	<b>344</b>	

*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 a Worker on Duty--Employee (Class A) while in the work environment are presumed to be work-related for accident/incident reporting purposes.

An employee is in the work environment:

1. While engaged in work activity or apprenticeship/vocational training required by the employer.
2. While on break, in the rest room, or in storage areas when located on the employer's premises.
3. While 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. While 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. While employee is engaged in work activity where a vehicle is considered the work environment (e.g., truck, taxi).
6. While at conferences where attendance is expected or required by the employer.
7. Some workplaces provide living quarters for employees on their premises. In these workplaces, injuries or illnesses are presumed to be work-related if the employee is on-duty or engaged in a work activity. 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. All other injuries and illnesses occurring during off-duty hours while in living quarters are considered non-work-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 Worker on Duty--Employee (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. The following are examples:

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.

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TABLE 4-1 REPORTABLE CONDITIONS TO RR EMPLOYEES ON DUTY, 2005

Condition	Total		Days Absent			Absent Cases 1/		Term./ Trans. 2/	Days Restricted			Hazmat Exp. 3/
	Cnt	%	Cnt	%	Avg.	Cnt	%		Cnt	Cnt	%	
Bruise/contusion	776	13.8	31,721	12.1	41	561	14.6	3	5,223	12.8	7	-
Occ. Illness	261	4.6	8,165	3.1	31	102	2.7	-	878	2.2	3	1
Crushing injury	59	1.0	1,871	0.7	32	40	1.0	-	396	1.0	7	-
Sprain/Str., other	40	0.7	2,378	0.9	59	32	0.8	-	543	1.3	14	-
Sprain/Str.,arm/hand	227	4.0	9,062	3.4	40	146	3.8	-	2,150	5.3	9	-
Sprain/Str.,leg/foot	731	13.0	43,106	16.4	59	622	16.2	6	6,410	15.7	9	-
Sprain/Str.,head/face	197	3.5	11,398	4.3	58	149	3.9	-	1,297	3.2	7	-
Sprain/Str.,torso	1,302	23.1	80,346	30.6	62	1,020	26.5	5	11,312	27.7	9	-
Cut/abrasion	679	12.0	10,649	4.1	16	284	7.4	2	2,511	6.2	4	-
Puncture wound	78	1.4	1,274	0.5	16	32	0.8	-	179	0.4	2	-
Needle stick	10	0.2	1	0.0	0	1	0.0	-	0	0.0	0	-
Electric shock/burn	28	0.5	1,410	0.5	50	24	0.6	-	60	0.1	2	-
Other burn	64	1.1	1,103	0.4	17	36	0.9	-	228	0.6	4	3
Dislocation	48	0.9	4,642	1.8	97	40	1.0	-	283	0.7	6	-
Fracture,arm/hand	209	3.7	9,050	3.4	43	137	3.6	1	3,610	8.8	17	-
Fracture,leg/foot	182	3.2	15,214	5.8	84	159	4.1	1	2,454	6.0	13	-
Fracture,head/face	15	0.3	921	0.4	61	14	0.4	-	3	0.0	0	-
Fracture,torso	62	1.1	5,143	2.0	83	56	1.5	-	501	1.2	8	-
Fracture,multiple	4	0.1	572	0.2	143	4	0.1	-	0	0.0	0	-
Fracture,other	2	0.0	206	0.1	103	2	0.1	-	78	0.2	39	-
Rupture/tear, tendon, etc	100	1.8	9,137	3.5	91	85	2.2	-	1,090	2.7	11	-
Gunshot/knife wound	3	0.1	253	0.1	84	2	0.1	-	15	0.0	5	-
Animal/snake/insect bite	40	0.7	157	0.1	4	16	0.4	-	38	0.1	1	-
Dental related	17	0.3	221	0.1	13	3	0.1	-	0	0.0	0	-
Amputation,arm/hand	17	0.3	1,218	0.5	72	17	0.4	-	352	0.9	21	-
Amputation,leg/foot	11	0.2	2,037	0.8	185	11	0.3	-	18	0.0	2	-
Fatality	25	0.4	0	0.0	0	-	-	-	0	0.0	0	1
Object in eye	124	2.2	138	0.1	1	36	0.9	-	60	0.1	0	-
Hernia	40	0.7	2,482	0.9	62	38	1.0	-	397	1.0	10	-
Concussion	34	0.6	2,674	1.0	79	29	0.8	-	163	0.4	5	-
Internal injury	11	0.2	567	0.2	52	9	0.2	-	51	0.1	5	-
Skin reaction	28	0.5	582	0.2	21	18	0.5	1	11	0.0	0	4
One-time exp. to noise	9	0.2	365	0.1	41	4	0.1	-	0	0.0	0	-
Unspecified injury	128	2.3	3,304	1.3	26	72	1.9	-	424	1.0	3	1
One-time exp.-fumes	80	1.4	1,355	0.5	17	47	1.2	-	83	0.2	1	16
<b>Total</b>	<b>5,641</b>	<b>100</b>	<b>262,722</b>	<b>100</b>	<b>47</b>	<b>3,848</b>	<b>100</b>	<b>19</b>	<b>40,818</b>	<b>100</b>	<b>7</b>	<b>26</b>

1/ The number of cases that resulted in employee being absent for work at least one day  
 2/ Term = terminated, Trans = transferred  
 3/ Condition was the result of a hazardous material exposure

TABLE 4-2 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY RAILROAD, 2005

RR	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term./	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Trans.	Cnt	%	Avg.	Exp.
ALS	10	0.2	-	0.0	10	0.2	267	0.1	27	8	0.2	-	0	0.0	0	-
ARR	29	0.5	-	0.0	29	0.5	273	0.1	9	17	0.4	-	140	0.3	5	-
ATK	650	11.5	1	4.0	649	11.6	26,631	10.1	41	398	10.3	-	6,347	15.5	10	-
BNSF	626	11.1	4	16.0	622	11.1	29,307	11.2	47	406	10.6	1	8,480	20.8	14	6
BRC	8	0.1	-	0.0	8	0.1	862	0.3	108	6	0.2	-	74	0.2	9	-
CN	230	4.1	4	16.0	226	4.0	11,544	4.4	50	168	4.4	-	172	0.4	1	3
CP	73	1.3	-	0.0	73	1.3	5,607	2.1	77	53	1.4	2	558	1.4	8	-
CRSH	11	0.2	-	0.0	11	0.2	313	0.1	28	6	0.2	-	0	0.0	0	-
CSX	583	10.3	1	4.0	582	10.4	41,045	15.6	70	484	12.6	8	307	0.8	1	-
DME	51	0.9	-	0.0	51	0.9	1,746	0.7	34	32	0.8	-	397	1.0	8	-
EJE	10	0.2	-	0.0	10	0.2	28	0.0	3	2	0.1	-	39	0.1	4	-
FEC	10	0.2	-	0.0	10	0.2	650	0.2	65	9	0.2	-	0	0.0	0	-
GCRX	24	0.4	-	0.0	24	0.4	99	0.0	4	15	0.4	-	294	0.7	12	-
GRS	12	0.2	-	0.0	12	0.2	397	0.2	33	10	0.3	-	10	0.0	1	-
IHB	15	0.3	-	0.0	15	0.3	392	0.1	26	8	0.2	-	0	0.0	0	-
KCS	80	1.4	-	0.0	80	1.4	966	0.4	12	27	0.7	1	3,746	9.2	47	1
LI	218	3.9	-	0.0	218	3.9	5,284	2.0	24	213	5.5	-	4,075	10.0	19	-
MACZ	6	0.1	-	0.0	6	0.1	566	0.2	94	6	0.2	-	0	0.0	0	-
MBTA	75	1.3	-	0.0	75	1.3	2,176	0.8	29	55	1.4	-	568	1.4	8	-
MMA	12	0.2	-	0.0	12	0.2	81	0.0	7	8	0.2	-	80	0.2	7	-
MNCW	202	3.6	-	0.0	202	3.6	7,439	2.8	37	105	2.7	-	2,314	5.7	11	-
MRL	33	0.6	-	0.0	33	0.6	1,807	0.7	55	22	0.6	1	485	1.2	15	-
NICD	15	0.3	-	0.0	15	0.3	57	0.0	4	8	0.2	-	123	0.3	8	-
NIRC	77	1.4	-	0.0	77	1.4	4,801	1.8	62	64	1.7	-	65	0.2	1	-
NJTR	147	2.6	-	0.0	147	2.6	4,576	1.7	31	124	3.2	2	0	0.0	0	-
NS	391	6.9	2	8.0	389	6.9	42,934	16.3	110	307	8.0	-	172	0.4	0	7
PAL	4	0.1	-	0.0	4	0.1	142	0.1	36	2	0.1	-	2	0.0	1	-
PATH	86	1.5	-	0.0	86	1.5	1,936	0.7	23	75	1.9	-	16	0.0	0	-
PCMZ	9	0.2	-	0.0	9	0.2	372	0.1	41	6	0.2	-	7	0.0	1	-
PTRA	28	0.5	-	0.0	28	0.5	351	0.1	13	24	0.6	-	0	0.0	0	-
SCAX	18	0.3	1	4.0	17	0.3	135	0.1	8	9	0.2	-	70	0.2	4	-
SEPA	185	3.3	-	0.0	185	3.3	5,564	2.1	30	139	3.6	1	504	1.2	3	-
TRRA	2	0.0	-	0.0	2	0.0	80	0.0	40	1	0.0	-	0	0.0	0	-
UP	1,022	18.1	8	32.0	1,014	18.1	57,531	21.9	56	680	17.7	-	7,417	18.2	7	7
URR	17	0.3	-	0.0	17	0.3	805	0.3	47	8	0.2	-	173	0.4	10	-
WE	10	0.2	-	0.0	10	0.2	46	0.0	5	3	0.1	-	36	0.1	4	-
WSOR	21	0.4	-	0.0	21	0.4	76	0.0	4	8	0.2	-	252	0.6	12	-
XXXX	641	11.4	4	16.0	637	11.3	5,836	2.2	9	332	8.6	3	3,895	9.5	6	2
Tot.	5,641	100	25	100	5,616	100	262,722	100	47	3,848	100	19	40,818	100	7	26

XXXX = All other railroads

TABLE 4-3 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, BY STATE, 2005

	Total		Deaths		Nonfatal		Days Absent			Absent Cases		Term./	Days Restricted			Hazmat
	Cnt	%	Cnt	%	Cnt	%	Cnt	%	Avg.	Cnt	%	Cnt	Cnt	%	Avg.	Cnt
AL	91	1.6	2	8.0	89	1.6	7,961	3.0	87	67	1.7	-	342	0.8	4	-
AK	51	0.9	-	0.0	51	0.9	382	0.1	7	27	0.7	-	154	0.4	3	-
AZ	78	1.4	-	0.0	78	1.4	2,095	0.8	27	42	1.1	-	820	2.0	11	-
AR	103	1.8	2	8.0	101	1.8	5,155	2.0	50	61	1.6	-	1,098	2.7	11	2
CA	373	6.6	2	8.0	371	6.6	14,625	5.6	39	239	6.2	-	3,420	8.4	9	1
CO	97	1.7	-	0.0	97	1.7	3,582	1.4	37	54	1.4	-	1,310	3.2	14	-
CT	80	1.4	-	0.0	80	1.4	2,467	0.9	31	43	1.1	-	1,020	2.5	13	-
DE	51	0.9	-	0.0	51	0.9	2,266	0.9	44	26	0.7	-	760	1.9	15	-
DC	92	1.6	-	0.0	92	1.6	2,114	0.8	23	35	0.9	-	405	1.0	4	-
FL	107	1.9	-	0.0	107	1.9	6,050	2.3	57	86	2.2	1	500	1.2	5	1
GA	110	2.0	-	0.0	110	2.0	10,896	4.1	99	87	2.3	3	173	0.4	2	-
HI	1	0.0	-	0.0	1	0.0	0	0.0	0	-	-	-	3	0.0	3	-
ID	42	0.7	-	0.0	42	0.7	3,112	1.2	74	35	0.9	-	321	0.8	8	-
IL	415	7.4	-	0.0	415	7.4	23,822	9.1	57	304	7.9	1	2,158	5.3	5	2
IN	138	2.4	-	0.0	138	2.5	6,555	2.5	48	88	2.3	-	813	2.0	6	-
IA	123	2.2	2	8.0	121	2.2	6,390	2.4	52	88	2.3	-	612	1.5	5	2
KS	99	1.8	1	4.0	98	1.7	3,487	1.3	35	50	1.3	-	1,340	3.3	14	1
KY	82	1.5	-	0.0	82	1.5	4,503	1.7	55	60	1.6	-	40	0.1	0	3
LA	92	1.6	-	0.0	92	1.6	3,290	1.3	36	56	1.5	1	1,627	4.0	18	2
ME	17	0.3	-	0.0	17	0.3	105	0.0	6	10	0.3	-	209	0.5	12	-
MD	43	0.8	1	4.0	42	0.7	1,775	0.7	41	31	0.8	1	194	0.5	5	-
MA	134	2.4	-	0.0	134	2.4	4,479	1.7	33	94	2.4	-	778	1.9	6	-
MI	94	1.7	1	4.0	93	1.7	5,295	2.0	56	69	1.8	-	44	0.1	0	-
MN	102	1.8	-	0.0	102	1.8	4,351	1.7	43	60	1.6	1	854	2.1	8	-
MS	60	1.1	4	16.0	56	1.0	2,827	1.1	47	37	1.0	-	731	1.8	12	-
MO	114	2.0	-	0.0	114	2.0	5,446	2.1	48	67	1.7	-	1,552	3.8	14	3
MT	60	1.1	-	0.0	60	1.1	2,693	1.0	45	38	1.0	2	1,034	2.5	17	-
NE	138	2.4	-	0.0	138	2.5	6,604	2.5	48	95	2.5	-	1,104	2.7	8	-
NV	19	0.3	-	0.0	19	0.3	691	0.3	36	9	0.2	-	56	0.1	3	-
NH	4	0.1	-	0.0	4	0.1	11	0.0	3	1	0.0	-	3	0.0	1	-
NJ	256	4.5	-	0.0	256	4.6	7,353	2.8	29	205	5.3	2	205	0.5	1	-
NM	48	0.9	-	0.0	48	0.9	1,232	0.5	26	30	0.8	-	471	1.2	10	1
NY	528	9.4	-	0.0	528	9.4	19,855	7.6	38	425	11.0	-	6,166	15.1	12	-
NC	39	0.7	-	0.0	39	0.7	3,389	1.3	87	30	0.8	-	55	0.1	1	-
ND	40	0.7	-	0.0	40	0.7	2,369	0.9	59	28	0.7	-	139	0.3	3	-
OH	177	3.1	-	0.0	177	3.2	12,772	4.9	72	139	3.6	1	211	0.5	1	-
OK	58	1.0	1	4.0	57	1.0	1,795	0.7	31	30	0.8	-	642	1.6	11	1
OR	70	1.2	1	4.0	69	1.2	2,814	1.1	40	41	1.1	1	674	1.7	10	-
PA	379	6.7	-	0.0	379	6.7	17,070	6.5	45	259	6.7	1	1,295	3.2	3	1
RI	12	0.2	-	0.0	12	0.2	453	0.2	38	9	0.2	-	99	0.2	8	-
SC	32	0.6	2	8.0	30	0.5	2,097	0.8	66	26	0.7	-	190	0.5	6	2
SD	18	0.3	-	0.0	18	0.3	839	0.3	47	11	0.3	-	174	0.4	10	-
TN	94	1.7	1	4.0	93	1.7	5,203	2.0	55	64	1.7	1	415	1.0	4	1
TX	407	7.2	2	8.0	405	7.2	22,193	8.4	55	293	7.6	1	3,295	8.1	8	2
UT	35	0.6	1	4.0	34	0.6	1,030	0.4	29	17	0.4	-	112	0.3	3	1
VT	16	0.3	-	0.0	16	0.3	64	0.0	4	8	0.2	1	79	0.2	5	-
VA	99	1.8	-	0.0	99	1.8	6,296	2.4	64	75	1.9	-	124	0.3	1	-
WA	101	1.8	-	0.0	101	1.8	3,360	1.3	33	62	1.6	-	1,904	4.7	19	-
WV	54	1.0	-	0.0	54	1.0	3,302	1.3	61	35	0.9	-	18	0.0	0	-
WI	112	2.0	1	4.0	111	2.0	3,665	1.4	33	70	1.8	1	753	1.8	7	-
WY	56	1.0	1	4.0	55	1.0	2,542	1.0	45	32	0.8	-	322	0.8	6	-
Tot.	5,641	100	25	100	5,616	100	262,722	100	47	3,848	100	19	40,818	100	7	26

TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2005

Activity	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Adjusting coupler	14	0.2	440	0.2	11	0.3	-	106	0.3	-
Adjusting drawbar	23	0.4	1,827	0.7	21	0.5	-	100	0.2	-
Adjusting, other	45	0.8	1,508	0.6	30	0.8	-	400	1.0	-
Applying rail anchor/fastener	18	0.3	802	0.3	11	0.3	-	129	0.3	-
Bending, stooping	107	1.9	3,471	1.3	70	1.8	1	572	1.4	-
Carrying	48	0.9	1,844	0.7	31	0.8	-	810	2.0	-
Chaining, cabling car or locomotiv	1	0.0	11	0.0	1	0.0	-	0	0.0	-
Cleaning	51	0.9	2,064	0.8	28	0.7	-	264	0.6	-
Climbing over/on	79	1.4	3,688	1.4	57	1.5	-	750	1.8	-
Closing	68	1.2	1,752	0.7	52	1.4	-	344	0.8	-
Coupling electric cables	5	0.1	442	0.2	5	0.1	-	0	0.0	-
Coupling air hose	45	0.8	1,511	0.6	30	0.8	-	299	0.7	-
Crossing over	29	0.5	1,810	0.7	21	0.5	-	647	1.6	-
Crossing or crawling under	1	0.0	110	0.0	1	0.0	-	0	0.0	-
Crossing between	4	0.1	433	0.2	3	0.1	-	0	0.0	-
Cutting rail	9	0.2	101	0.0	4	0.1	-	6	0.0	-
Cutting vegetation	25	0.4	255	0.1	10	0.3	-	136	0.3	-
Cutting, other	50	0.9	677	0.3	25	0.6	-	226	0.6	-
Digging, excavating	16	0.3	298	0.1	8	0.2	-	71	0.2	-
Driving (motor vehicle, forklift,	117	2.1	4,143	1.6	74	1.9	1	962	2.4	1
Flagging	4	0.1	29	0.0	2	0.1	-	81	0.2	-
Fueling	3	0.1	99	0.0	1	0.0	-	81	0.2	-
Getting on	75	1.3	3,107	1.2	56	1.5	2	443	1.1	-
Getting off	177	3.1	10,089	3.8	145	3.8	-	2,230	5.5	-
Grinding	41	0.7	809	0.3	13	0.3	-	125	0.3	1
Handling baggage	20	0.4	1,154	0.4	17	0.4	-	416	1.0	-
Handling car parts	23	0.4	747	0.3	12	0.3	-	380	0.9	-
Handling material, general	32	0.6	645	0.2	19	0.5	-	147	0.4	-
Handling locomotive parts	10	0.2	214	0.1	4	0.1	-	99	0.2	-
Handling wheels/trucks	5	0.1	208	0.1	3	0.1	-	29	0.1	-
Handling, other	81	1.4	3,594	1.4	48	1.2	-	497	1.2	-
Handling other track material/supp	22	0.4	498	0.2	13	0.3	-	191	0.5	-
Handling poles	4	0.1	26	0.0	2	0.1	-	56	0.1	-
Handling tie plates	14	0.2	54	0.0	7	0.2	-	33	0.1	-
Handling ties	28	0.5	376	0.1	16	0.4	1	442	1.1	-
Handling rail	26	0.5	615	0.2	17	0.4	-	329	0.8	-
Inspecting	58	1.0	2,850	1.1	42	1.1	-	223	0.5	-
Installing	60	1.1	2,113	0.8	33	0.9	-	130	0.3	-
Jumping from	42	0.7	3,485	1.3	36	0.9	-	234	0.6	-
Jumping onto	1	0.0	0	0.0	-	-	-	0	0.0	-
Laying	2	0.0	16	0.0	1	0.0	-	58	0.1	-
Lifting other material	118	2.1	4,722	1.8	76	2.0	-	1,391	3.4	-
Lifting equipment (tools, parts, e	105	1.9	4,261	1.6	68	1.8	-	871	2.1	-
Lining switches	134	2.4	9,775	3.7	116	3.0	-	623	1.5	1
Lining, other	9	0.2	198	0.1	5	0.1	-	35	0.1	-
Loading/unloading	56	1.0	1,424	0.5	26	0.7	1	483	1.2	-
Maintaining	39	0.7	722	0.3	25	0.6	1	212	0.5	-
Opening	108	1.9	4,049	1.5	78	2.0	-	952	2.3	-
Opening/closing angle cock	20	0.4	300	0.1	8	0.2	-	79	0.2	-
Operating	227	4.0	10,894	4.1	157	4.1	2	1,064	2.6	-
Pulling pin lifter/operating uncou	53	0.9	3,396	1.3	41	1.1	-	347	0.9	1
Pulling	111	2.0	5,526	2.1	66	1.7	-	938	2.3	-
Pushing	47	0.8	1,974	0.8	36	0.9	1	802	2.0	-

1/ The number of cases that resulted in employee being absent for work at least one day  
 2/ Term = terminated, Trans = transferred  
 3/ Condition was the result of a hazardous material exposure

TABLE 4-4 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY ACTIVITY, 2005

Activity	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Reaching	59	1.0	1,821	0.7	33	0.9	-	726	1.8	-
Removing rail anchors/fasteners	18	0.3	754	0.3	10	0.3	-	172	0.4	-
Repairing	90	1.6	3,293	1.3	46	1.2	-	459	1.1	-
Riding	373	6.6	23,696	9.0	286	7.4	-	1,872	4.6	8
Running	13	0.2	456	0.2	6	0.2	-	168	0.4	-
Sitting	177	3.1	11,119	4.2	135	3.5	1	933	2.3	1
Spiking (installation/removal)	63	1.1	1,457	0.6	33	0.9	1	463	1.1	-
Standing	418	7.4	14,387	5.5	218	5.7	-	1,388	3.4	3
Stepping up	51	0.9	2,520	1.0	42	1.1	-	498	1.2	-
Stepping down	177	3.1	9,876	3.8	139	3.6	2	1,337	3.3	-
Stepping over	44	0.8	1,919	0.7	34	0.9	-	649	1.6	-
Uncoupling air hose	13	0.2	494	0.2	8	0.2	-	82	0.2	-
Uncoupling steam hose	1	0.0	42	0.0	1	0.0	-	0	0.0	-
Uncoupling electric cables	2	0.0	180	0.1	1	0.0	-	7	0.0	-
Using hand signals	1	0.0	2	0.0	1	0.0	-	0	0.0	-
Using hand tool	163	2.9	4,559	1.7	71	1.8	-	1,201	2.9	1
Using, other	21	0.4	225	0.1	9	0.2	-	217	0.5	-
Walking	880	15.6	49,990	19.0	699	18.2	3	6,171	15.1	7
Welding (includes field welding)	30	0.5	1,182	0.4	18	0.5	1	72	0.2	-
Handbrakes, applying	67	1.2	5,268	2.0	57	1.5	-	592	1.5	-
Handbrakes, releasing	66	1.2	4,789	1.8	51	1.3	-	308	0.8	-
Handbrakes, other	3	0.1	167	0.1	2	0.1	-	0	0.0	-
Derail, applying	1	0.0	0	0.0	-	-	-	0	0.0	-
Derail, removing	5	0.1	165	0.1	4	0.1	-	0	0.0	-
Derail, other	2	0.0	0	0.0	-	-	-	5	0.0	-
Other (Narrative must be provided)	76	1.3	2,379	0.9	40	1.0	-	239	0.6	-
Replacing	43	0.8	1,360	0.5	24	0.6	-	297	0.7	-
Ascending	34	0.6	2,299	0.9	26	0.7	-	96	0.2	-
Descending	90	1.6	6,690	2.5	72	1.9	1	1,002	2.5	-
Exercising	1	0.0	0	0.0	-	-	-	0	0.0	-
Getting in	14	0.2	724	0.3	10	0.3	-	262	0.6	-
Getting out	22	0.4	1,325	0.5	17	0.4	-	209	0.5	-
Hauling	1	0.0	0	0.0	-	-	-	0	0.0	-
Moving	33	0.6	1,148	0.4	21	0.5	-	418	1.0	-
Washing	7	0.1	212	0.1	2	0.1	-	168	0.4	1
Servicing	16	0.3	736	0.3	11	0.3	-	8	0.0	1
Sanding	7	0.1	476	0.2	6	0.2	-	91	0.2	-
Arresting/apprehending/subduing	14	0.2	531	0.2	11	0.3	-	39	0.1	-
Stepped on	28	0.5	1,284	0.5	20	0.5	-	629	1.5	-
Lying down	7	0.1	41	0.0	2	0.1	-	197	0.5	-
<b>Total</b>	<b>5,641</b>	<b>100</b>	<b>262,722</b>	<b>100</b>	<b>3,848</b>	<b>100</b>	<b>19</b>	<b>40,818</b>	<b>100</b>	<b>26</b>

1/ The number of cases that resulted in employee being absent for work at least one day  
 2/ Term = terminated, Trans = transferred  
 3/ Condition was the result of a hazardous material exposure

TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2005

Event	Total		Days Absent		Absent Cases		Term./ Trans.	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Aggravated pre-existing condition	61	1.1	3,764	1.4	48	1.2	-	574	1.4	-
Apprehending/removing from property	7	0.1	109	0.0	3	0.1	-	86	0.2	-
Assaulted by other	37	0.7	1,572	0.6	28	0.7	-	65	0.2	-
Assaulted by coworker	5	0.1	753	0.3	5	0.1	-	63	0.2	-
Bitten/stung by bee, spider, other insect	61	1.1	195	0.1	24	0.6	-	2	0.0	-
Bitten by animal	11	0.2	112	0.0	2	0.1	-	45	0.1	-
Bodily function/sudden movement, e.g.,sneez	127	2.3	7,781	3.0	97	2.5	1	751	1.8	-
Caught in/compressed by hand tools	29	0.5	423	0.2	17	0.4	-	178	0.4	-
Caught in/compressed by other machinery	18	0.3	690	0.3	11	0.3	-	174	0.4	-
Caught in/crushed by materials	38	0.7	928	0.4	19	0.5	-	293	0.7	-
Caught in/crushed in excavation, land slide	1	0.0	12	0.0	1	0.0	-	0	0.0	-
Caught in/compressed by powered hand tools	6	0.1	34	0.0	2	0.1	-	235	0.6	-
Cave in, slide, etc.	8	0.1	485	0.2	7	0.2	-	0	0.0	-
Climatic conditions, other (e.g., high wind	10	0.2	357	0.1	5	0.1	1	94	0.2	-
Climatic condition, exposure to environment	30	0.5	179	0.1	19	0.5	-	0	0.0	-
Collision - between on track equipment	117	2.1	9,494	3.6	95	2.5	-	534	1.3	1
Collision/impact - auto, truck, bus, van, e	188	3.3	8,756	3.3	132	3.4	1	793	1.9	-
Defective/malfunctioning equipment	92	1.6	5,926	2.3	78	2.0	-	1,102	2.7	-
Derailment	53	0.9	3,091	1.2	44	1.1	1	802	2.0	1
Electrical shock while operating welding e	3	0.1	13	0.0	2	0.1	-	0	0.0	-
Electrical shock due to contact with 3rd ra	5	0.1	257	0.1	4	0.1	-	54	0.1	-
Electrical shock, other (explain in narrati	16	0.3	841	0.3	11	0.3	-	0	0.0	-
Exposure to fumes - inhalation	98	1.7	2,356	0.9	54	1.4	-	84	0.2	17
Exposure to chemicals - external	39	0.7	627	0.2	27	0.7	1	111	0.3	4
Exposure to poisonous plants	8	0.1	4	0.0	2	0.1	-	7	0.0	-
Exposure to noise over time	122	2.2	0	0.0	-	-	-	0	0.0	-
Exposure to noise - single incident	11	0.2	904	0.3	6	0.2	-	0	0.0	-
Exposure to welding light	6	0.1	4	0.0	3	0.1	-	2	0.0	-
Highway-rail collision/impact	113	2.0	9,031	3.4	90	2.3	-	598	1.5	-
Horseplay, practical joke, etc.	6	0.1	150	0.1	2	0.1	-	0	0.0	-
Lost balance	150	2.7	8,960	3.4	108	2.8	-	1,190	2.9	-
Missed handhold, grabiron, step, etc.	39	0.7	1,653	0.6	27	0.7	1	254	0.6	-
Needle puncture/prick/stick	11	0.2	1	0.0	1	0.0	1	0	0.0	-
Other impacts - on track equipment	17	0.3	532	0.2	11	0.3	-	306	0.7	-
Overexertion	720	12.8	39,416	15.0	540	14.0	3	6,405	15.7	-
Pushed/shoved into/against	21	0.4	1,552	0.6	17	0.4	-	117	0.3	-
Pushed/shoved onto	6	0.1	429	0.2	4	0.1	-	150	0.4	-
Pushed/shoved from	3	0.1	187	0.1	2	0.1	-	64	0.2	-
Ran into on-track equipment	8	0.1	502	0.2	6	0.2	-	38	0.1	-
Ran into object/equipment	20	0.4	695	0.3	10	0.3	-	326	0.8	-
Repetitive motion - work processes	76	1.3	4,738	1.8	52	1.4	-	1,003	2.5	-
Repetitive motion - typing, keyboard, etc.	3	0.1	180	0.1	1	0.0	-	52	0.1	-
Repetitive motion - tools	19	0.3	955	0.4	8	0.2	-	111	0.3	-
Repetitive motion - other (describe in narr	9	0.2	950	0.4	8	0.2	-	20	0.0	-
Rubbed, abraded, etc.	13	0.2	28	0.0	7	0.2	-	15	0.0	-
Shot	3	0.1	253	0.1	2	0.1	-	15	0.0	-
Slack action, draft, compressive buff/coupl	31	0.5	1,829	0.7	24	0.6	-	79	0.2	-
Slipped,fell,stumbled,etc. due to irregular	176	3.1	10,763	4.1	142	3.7	-	2,009	4.9	-
Slipped, fell, stumbled, etc. due to climat	229	4.1	11,987	4.6	194	5.0	1	1,442	3.5	-
Slipped,fell,stumbled,etc. on oil, grease,e	99	1.8	7,124	2.7	83	2.2	1	938	2.3	-
Slipped,fell,stumbled,etc. due to object,ba	296	5.2	19,483	7.4	245	6.4	2	3,075	7.5	-

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure



TABLE 4-5 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY EVENT, 2005

Event	Total		Days Absent		Absent Cases		Term./ Trans.	Days Restricted		Hazmat Exp.
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Stabbing, knifing, etc.	6	0.1	33	0.0	2	0.1	-	17	0.0	-
Stepped on object	74	1.3	3,514	1.3	51	1.3	1	598	1.5	-
Struck by thrown or propelled object	67	1.2	1,221	0.5	21	0.5	-	277	0.7	-
Struck by object	318	5.6	6,813	2.6	172	4.5	-	2,181	5.3	-
Struck by on-track equipment	47	0.8	3,608	1.4	37	1.0	-	299	0.7	-
Struck by falling object	100	1.8	4,072	1.5	76	2.0	1	471	1.2	-
Struck against object	199	3.5	6,341	2.4	113	2.9	-	1,122	2.7	-
Sudden release of air	18	0.3	402	0.2	10	0.3	-	122	0.3	-
Sudden/unexpected movement of material	71	1.3	2,522	1.0	34	0.9	-	405	1.0	-
Sudden/unexpected movement of on-track equ	83	1.5	5,465	2.1	62	1.6	-	281	0.7	-
Sudden/unexpected movement of vehicle	63	1.1	3,339	1.3	47	1.2	-	496	1.2	-
Caught, crushed, pinched, other	266	4.7	5,974	2.3	151	3.9	1	3,073	7.5	-
On track equipment, other incidents	26	0.5	1,905	0.7	19	0.5	-	265	0.6	-
Slipped, fell, stumbled, other	428	7.6	27,683	10.5	359	9.3	2	2,775	6.8	-
Sudden, unexpected movement, other	127	2.3	6,586	2.5	90	2.3	-	852	2.1	-
Bumped	34	0.6	1,144	0.4	22	0.6	-	337	0.8	-
Burned	50	0.9	1,466	0.6	33	0.9	-	115	0.3	2
Blowing/falling debris	77	1.4	153	0.1	24	0.6	-	34	0.1	-
Sudden/Unexpected Movement of tools	64	1.1	2,361	0.9	31	0.8	-	895	2.2	-
Struck by Own Remote Control Locomotive	2	0.0	0	0.0	-	-	-	0	0.0	-
Struck by Other Remote Control Locomotive	3	0.1	540	0.2	3	0.1	-	0	0.0	-
Caught Between Machinery	1	0.0	12	0.0	1	0.0	-	16	0.0	-
Slack adjustment during switching operation	17	0.3	679	0.3	13	0.3	-	479	1.2	-
Caught Between Equipment	12	0.2	499	0.2	6	0.2	-	277	0.7	-
Caught Between Material	16	0.3	304	0.1	10	0.3	-	117	0.3	-
Other (describe in narrative)	197	3.5	5,021	1.9	131	3.4	-	1,058	2.6	1
<b>Total</b>	<b>5,641</b>	<b>100</b>	<b>262,722</b>	<b>100</b>	<b>3,848</b>	<b>100</b>	<b>19</b>	<b>40,818</b>	<b>100</b>	<b>26</b>

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

2/ Term = terminated, Trans = transferred

3/ Condition was the result of a hazardous material exposure

TABLE 4-6 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY BY LOCATION, 2005

Location	Total		Days Absent		Absent Cases		Term./ Trans. Cnt	Days Restricted		Hazmat Exp. Cnt
	Cnt	%	Cnt	%	Cnt	%		Cnt	%	
Main/branch	1,766	31.3	85,550	32.6	1,236	32.1	6	12,719	31.2	6
Yard	1,773	31.4	94,461	36.0	1,337	34.7	7	11,871	29.1	13
Siding	180	3.2	8,252	3.1	116	3.0	-	1,629	4.0	3
Industry	274	4.9	11,232	4.3	181	4.7	1	1,952	4.8	2
Repair	137	2.4	5,481	2.1	63	1.6	-	1,330	3.3	-
Break/lunch room	14	0.2	713	0.3	11	0.3	1	37	0.1	-
Freight terminal	28	0.5	3,400	1.3	22	0.6	-	108	0.3	-
Highway/roadway	205	3.6	10,895	4.1	144	3.7	1	1,006	2.5	-
Loading dock	22	0.4	779	0.3	15	0.4	1	78	0.2	-
Lodging facility	1	0.0	319	0.1	1	0.0	-	7	0.0	-
Office environment	100	1.8	3,625	1.4	60	1.6	-	662	1.6	-
Parking lot	46	0.8	2,455	0.9	31	0.8	-	362	0.9	-
Passenger terminal	375	6.6	9,517	3.6	198	5.1	1	2,433	6.0	-
Repair shop	553	9.8	19,478	7.4	323	8.4	1	5,664	13.9	2
Storage facility	36	0.6	1,595	0.6	24	0.6	-	137	0.3	-
Sidewalk/walkway	19	0.3	1,177	0.4	15	0.4	-	136	0.3	-
Other, (off site location	41	0.7	1,573	0.6	26	0.7	-	402	1.0	-
Other (explain in narrati	32	0.6	1,155	0.4	21	0.5	-	145	0.4	-
Other location (describe	39	0.7	1,065	0.4	24	0.6	-	140	0.3	-
<b>Total</b>	<b>5,641</b>	<b>100</b>	<b>262,722</b>	<b>100</b>	<b>3,848</b>	<b>100</b>	<b>19</b>	<b>40,818</b>	<b>100</b>	<b>26</b>

1/ The number of cases that resulted in employee being absent for work at least one day  
 2/ Term = terminated, Trans = transferred  
 3/ Condition was the result of a hazardous material exposure

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2005

Executives, Officials, and Staff Assistants

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Executives, officials, and staff assistants (miscellaneous)	-	2	1	2	0
Executives and general officers	-	1	-	2	0
Corporate staff managers	-	4	-	12	0
Regional/division officers, assistants and staff assistants	-	12	-	421	0
Transportation officers/managers	-	7	-	290	150
<b>Total</b>	-	26	1	727	150

Professional and Administrative

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Professional and administrative (miscellaneous)	-	3	-	15	7
Professional	-	3	-	7	5
Subprofessionals	-	12	-	544	98
General and administrative supervisors	-	4	-	213	10
Sales and traffic representatives and agents	-	8	-	622	57
Freight and other claim agents and investigators	-	2	-	0	0
Lieutenants and sergeants of police	-	9	-	68	185
Police officers, watchmen, guards (except crossing & bridge)	-	29	1	1,275	202
Inspectors, (except MOW & MOE), other investigators, etc	-	6	-	259	5
Buyers, and sales agents	-	1	-	0	57
Clerical technicians and clerical specialists	-	15	2	386	347
Secretaries, stenographers, and typists	-	3	-	3	0
General/other clerks (except yd clerk and crew dispatcher)	-	40	3	1,279	641
Building and office attendants	-	15	-	481	53
Motor vehicle operators	1	47	2	1,829	799
<b>Total</b>	1	197	8	6,981	2,466

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2005

Maintenance of Way and Structures

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of way and structures (miscellaneous)	-	20	3	684	109
Supervisors, MOW, structures, communication & signals	-	17	-	317	56
MOW, structures, comm. & signals, & scale inspectors	-	43	2	1,766	548
Bridge and building gang foreman	-	27	-	1,087	313
Bridge and building carpenters	-	51	1	2,104	512
Bridge and building ironworkers	-	5	-	279	3
Bridge and building painters	-	1	-	0	0
Masons, bricklayers, plasterers, and plumbers	-	67	4	1,777	480
Bridge and building helpers and apprentices	-	15	-	383	178
Bridge/building gang and bridge/building dept laborers	-	41	3	2,160	394
Track gang foremen (extra gang work train laborers)	-	65	2	2,852	478
Gang or section foreman	1	72	2	1,739	787
Extra gang laborers	-	122	8	3,503	1,256
Section laborers	1	250	6	6,028	1,767
Machine operators	2	188	9	8,228	864
Gang foremen, communications and signals	-	20	3	978	65
Signalmen and signal maintainers	-	145	5	6,233	803
Linemen and groundmen and communications craftsman	1	63	4	2,147	407
Assistant signalmen and assistant signal maintainers	-	16	-	908	152
Signal helpers and signal maintainer helpers	-	6	-	285	23
Camp car cooks	-	4	-	0	4
<b>Total</b>	<b>5</b>	<b>1,238</b>	<b>52</b>	<b>43,458</b>	<b>9,199</b>

Maintenance of Equipment and Stores

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Maintenance of equipment and stores (miscellaneous)	-	13	1	48	120
Supervisors and general foremen, maintenance of equipment	-	20	-	302	190
Supervisors and general foremen, materials and stores	-	5	-	131	0
Equipment, shop, electrical inspectors	-	8	-	591	0
Materials and supplies inspectors	-	2	-	31	10
Storekeeper	-	14	-	312	32
Gang foremen, maintenance of equipment	-	21	1	1,117	134
Blacksmiths	-	3	1	332	0
Boilermakers	-	13	-	799	67
Carmen (freight)	-	210	6	10,025	1,262
Carmen (other)	-	158	8	6,413	1,808
Electrical workers (A)	-	161	8	5,824	1,457
Electrical workers (B)	-	9	1	447	254
Electrical workers (C)	-	2	-	86	30
Machinists	-	201	4	9,279	2,606
Sheet metal workers	1	37	3	1,448	321
Skilled trades, helpers, maintenance of equipment and stores	-	41	2	905	244
Apprentices, maintenance of equipment and stores	-	11	-	134	15
Coach cleaners	-	104	2	4,724	964
Laborers: shops, enginehouses and power plants	-	77	1	3,213	1,095
Gang foremen, materials and stores	-	1	-	39	0
Equipment operators/general laborers, materials and stores	-	19	-	564	164
Stationary engineers	-	1	-	0	0
<b>Total</b>	<b>1</b>	<b>1,131</b>	<b>38</b>	<b>46,764</b>	<b>10,773</b>

TABLE 4-7 REPORTABLE CONDITIONS TO EMPLOYEE ON DUTY, 2005

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)	-	2	1	24	0
Transportation supervisor and chief train dispatcher	-	2	2	118	63
Train dispatchers	-	6	-	165	0
Station, freight and passenger agents	-	6	4	244	39
Clerk operators, towerman, train directors	-	7	1	393	150
Station masters & assts, super bag. agents, bag. agents, etc	-	1	-	0	0
Baggage, parcel room and station attendents	-	11	-	439	205
Gen/asst gnrl foremen,stations,warehouses,grain elev., docks	-	4	2	387	0
Gang foreman, stations, warehouses, grain elevators, docks	-	1	-	0	0
Grain elevator, and dock laborers	-	2	-	131	0
Station, and warehouse laborers	-	11	1	269	0
Truckers (station, warehouse and platforms)	-	18	-	251	169
Waiters and kitchen helpers (restaurant and dining car)	-	23	-	229	177
Chefs and cooks (restaurant and dining car)	-	21	1	998	45
Marine officers and workers and shore workers	-	1	-	74	0
Train attendants	-	73	3	4,495	821
Bridge operators and helpers	-	3	-	180	0
Yards clerks	-	12	1	958	180
Crew dispatchers	-	5	-	171	0
Yardmasters and assistant yardmasters	-	6	-	126	0
<b>Total</b>	-	215	16	9,652	1,849

Transportation, Train and Engine

Job Titles	---Total---			---- Days ----	
	Killed	Injured	Illness	Absent From Work	Restricted At Work
Transportation, train and engine (miscellaneous)	-	31	2	656	295
Switchtenders	-	22	-	2,369	146
Car retarder operators and ground service employees	-	1	1	27	0
Outside hostlers	-	6	-	324	32
Outside hostler helpers	-	10	-	173	40
Road passenger conductors	1	232	43	8,835	2,310
Assistant road passenger conductors and ticket collectors	-	94	5	4,077	369
Road freight conductors (through freight)	4	455	9	35,054	3,294
Road freight conductors (local and way freight)	3	254	4	14,771	1,521
Road passenger baggageperson	-	2	-	6	33
Road Passenger brakemen and flagmen	-	16	1	683	100
Road freight brakemen and flagmen (through freight)	-	27	-	1,535	225
Road freight brakemen and flagmen (local and way freight)	2	150	3	9,198	836
Yard conductors and yard foremen	1	265	3	15,650	1,554
Yard brakemen and yard helpers	2	187	7	10,372	1,622
Road passenger engineers and motormen	-	107	49	3,936	762
Road freight engineers (through freight)	3	322	11	26,375	1,291
Road freight engineers (local and way freight)	1	119	4	7,978	520
Yard engineers	-	111	2	6,739	570
Road passenger firemen and helpers	-	8	1	19	167
Road freight firemen and helpers (through freight)	-	7	-	195	14
Road freight firemen and helpers (local and way freight)	-	1	-	8	0
Yard firemen and helpers	-	1	-	80	0
Remote control locomotive operator -operating	-	53	-	2,851	286
Remote control locomotive operator - not operating	1	67	1	3,229	394
<b>Total</b>	18	2,548	146	155,140	16,381

TABLE 4-8 OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, 2005

Illness	Total		Kld	Nonfatal	Days Absent	Absent Cases	Term./ Trans.	Days Restricted	Hazmat Exp.
	Cnt	%							
Dermatitis	2	0.8	-	2	171	2	-	0	-
Rashes	4	1.5	-	4	4	2	-	7	-
Acute congestion, dust/gas/etc.	4	1.5	-	4	3	2	-	0	1
Misc. respiratory conditions	1	0.4	-	1	1	1	-	1	-
Poisoning, gases	1	0.4	-	1	0	-	-	0	-
Poisoning, miscellaneous	1	0.4	-	1	180	1	-	0	-
Heat/sun stroke	2	0.8	-	2	2	2	-	0	-
Heat exhaustion	22	8.4	-	22	121	13	-	5	-
Misc. disorders, physical agents	3	1.1	-	3	14	2	-	0	-
Noise induced hearing loss	123	47.1	-	123	180	1	-	0	-
Synovitis	9	3.4	-	9	967	8	-	137	-
Tenosynovitis	7	2.7	-	7	181	2	-	82	-
Bursitis	4	1.5	-	4	98	1	-	222	-
Raynauds phenomena	1	0.4	-	1	101	1	-	0	-
Carpal tunnel syndrome	16	6.1	-	16	1,205	12	-	165	-
Misc. repeated trauma condition	19	7.3	-	19	1,394	12	-	180	-
Stress related syndromes	24	9.2	-	24	1,819	23	-	0	-
Misc. illnesses, unclassified	2	0.8	-	2	180	1	-	0	-
Emotional trauma/nervous shock	16	6.1	-	16	1,544	16	-	79	-
<b>Total</b>	<b>261</b>	<b>100</b>	<b>-</b>	<b>261</b>	<b>8,165</b>	<b>102</b>	<b>-</b>	<b>878</b>	<b>1</b>

TABLE 4-9 OCCUPATIONAL ILLNESSES OF EMPLOYEE ON DUTY, BY RAILROAD, 2005

RR	Total		Kld	Nonfatal	Days Absent			Absent Cases		Term./ Trans.	Days Restricted			Hazmat Exp. Cnt
	Cnt	%			Cnt	%	Avg.	Cnt	%		Cnt	%	Avg.	
ATK	144	55.2	-	144	1,843	22.6	13	27	26.5	-	183	20.8	1	-
BNSF	29	11.1	-	29	1,770	21.7	61	15	14.7	-	0	0.0	0	-
CN	5	1.9	-	5	362	4.4	72	3	2.9	-	30	3.4	6	-
CSX	10	3.8	-	10	783	9.6	78	7	6.9	-	0	0.0	0	-
DME	2	0.8	-	2	3	0.0	2	1	1.0	-	31	3.5	16	-
GCRX	1	0.4	-	1	0	0.0	0	-	-	-	0	0.0	0	-
LI	1	0.4	-	1	1	0.0	1	1	1.0	-	4	0.5	4	-
MBTA	3	1.1	-	3	2	0.0	1	1	1.0	-	6	0.7	2	-
MMA	2	0.8	-	2	1	0.0	1	1	1.0	-	0	0.0	0	-
MNCW	1	0.4	-	1	13	0.2	13	1	1.0	-	0	0.0	0	-
MRL	2	0.8	-	2	181	2.2	91	2	2.0	-	0	0.0	0	-
NIRC	1	0.4	-	1	0	0.0	0	-	-	-	0	0.0	0	-
NS	4	1.5	-	4	542	6.6	136	3	2.9	-	0	0.0	0	-
PATH	1	0.4	-	1	33	0.4	33	1	1.0	-	0	0.0	0	-
SCAX	5	1.9	-	5	1	0.0	0	1	1.0	-	60	6.8	12	-
SEPA	1	0.4	-	1	135	1.7	135	1	1.0	-	0	0.0	0	-
UP	32	12.3	-	32	2,432	29.8	76	24	23.5	-	558	63.6	17	-
WSOR	2	0.8	-	2	5	0.1	3	1	1.0	-	0	0.0	0	-
XXXX	15	5.7	-	15	58	0.7	4	12	11.8	-	6	0.7	0	1
<b>Tot.</b>	<b>261</b>	<b>100</b>	<b>-</b>	<b>261</b>	<b>8,165</b>	<b>100</b>	<b>31</b>	<b>102</b>	<b>100</b>	<b>-</b>	<b>878</b>	<b>100</b>	<b>3</b>	<b>1</b>

1/ The number of cases that resulted in employee being absent for work at least one day  
 2/ Term = terminated, Trans = transferred  
 3/ Condition was the result of a hazardous material exposure

## 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 F 6180.54. The reporting threshold for calendar years 1992-1996 was \$6,300. The reporting threshold for calendar year 1998 was \$6,600, and in 2005 it was \$6,700.

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, bulldozers, including the services of contractors, to replace or repair the track right-of-way and associated structures; and (2) 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 change out.)

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 of the railroads involved. When total reportable damage to 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 counts by railroad, are the number of events that a railroad was involved in, regardless of whether or not 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, no matter whether there is agreement on the cause of the accident.

A form must be completed for each consist involved in an accident. The railroad responsible for the ontrack 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 ontrack rail equipment involved, a report containing the track information must be forwarded.

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

A railroad need not report the following:

1. Cars derailed on industry tracks by non-railroad employees or non-railroad 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, or
- (2) Equipment such as a track motorcar, highway-rail vehicle, push car, crane, or ballast tamping machine.

**Locomotive.** A locomotive is 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;  
or
- (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 train is 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, service 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 non-revenue 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.



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**CHAPTER 5**

**TRAIN ACCIDENTS**

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TABLE 5-1 TRAIN ACCIDENTS BY RR, TYPE AND MAJOR CAUSE, 2005

Railroad	Total		Type of Accident				Reportable Damage	Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr		Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Alton & Southern	17	0.5	2	10	-	5	514,819	-	-	1	-	8	4	-	4	
Alaska RR Corp.	2	0.1	-	2	-	-	118,600	-	-	-	-	1	-	-	1	
Amtrak	148	3.9	3	35	36	74	12,831,314	21	142	34	36	19	21	-	38	
Burlington Northern Santa Fe	732	19.4	36	452	72	172	88,468,212	9	61	91	72	296	103	9	161	
Belt Rwy Of Chicago	23	0.6	4	13	-	6	397,502	-	-	1	-	14	2	1	5	
Canadian National	72	1.9	4	46	6	16	15,433,800	5	2	7	6	25	5	1	28	
Canadian Pacific	34	0.9	1	26	3	4	3,580,462	-	-	1	4	3	11	3	-	13
Conrail Shared Assets	45	1.2	9	27	3	6	1,284,460	-	-	2	3	22	7	3	8	
CSX Transportation	494	13.1	70	332	18	74	26,248,791	3	26	53	18	218	78	13	114	
Dakota,Minnesota & Eastern	66	1.8	6	50	3	7	7,871,882	1	2	11	3	14	4	-	34	
Elgin, Joliet & Eastern	17	0.5	-	12	1	4	522,907	-	-	2	1	4	1	-	9	
Florida East Coast	16	0.4	-	13	1	2	370,226	1	1	-	1	4	4	-	7	
Guilford Rail System	6	0.2	2	4	-	-	394,393	-	-	-	-	5	-	-	1	
Indiana Harbor Belt	19	0.5	3	13	-	3	360,244	-	-	3	-	11	1	-	4	
Kansas City Southern	132	3.5	17	91	9	15	10,112,180	-	10	9	9	45	11	2	56	
Long Island Rail Road	12	0.3	-	6	-	6	424,128	-	1	-	-	5	5	-	2	
MD Assn. of Rail Comm	2	0.1	-	-	-	2	51,508	-	-	1	-	-	-	-	1	
Mass Bay Transit Auth.	1	0.0	-	-	1	-	10,442	1	-	-	1	-	-	-	-	
Montreal, Maine & Atlantic	3	0.1	-	3	-	-	210,410	-	-	1	-	2	-	-	-	
Metro North Commuter	40	1.1	2	2	-	36	904,035	-	2	8	-	6	11	-	15	
Montana Rail Link	16	0.4	2	9	2	3	1,031,705	-	1	2	2	7	1	1	3	
Northern IN Comm Trans	1	0.0	-	-	1	-	49,174	-	1	-	1	-	-	-	-	
Northeast IL Reg Comm	13	0.3	2	2	7	2	8,243,240	2	179	2	7	2	2	-	-	
New Jersey Transit Rail	32	0.8	1	6	2	23	877,886	1	1	7	2	11	2	-	10	
Norfolk Southern Corp.	350	9.3	43	233	24	50	21,801,965	10	304	39	24	121	56	8	102	
Paducah & Louisville	2	0.1	1	-	-	1	32,400	-	-	1	-	-	1	-	-	
Port Auth Trans Hudson	3	0.1	-	-	-	3	85,412	-	-	-	-	3	-	-	-	
Peninsula Comm San Mateo Cnty	5	0.1	-	2	2	1	191,390	-	-	-	2	2	1	-	-	
Port Terminal RR Assn	5	0.1	-	1	-	4	119,379	-	2	1	-	4	-	-	-	
Southern CA Reg Rail Auth.	10	0.3	-	4	2	4	12,880,484	11	71	-	2	5	3	-	-	
Southeastern PA Trans.	9	0.2	-	1	-	8	417,904	-	2	-	-	-	6	2	1	
Term RR Assn Of St. Louis	16	0.4	2	13	-	1	503,943	-	-	3	-	3	3	1	6	
Union Pacific	1,034	27.4	71	728	84	151	105,917,595	16	73	93	84	351	143	22	341	
Union RR (Pittsburgh)	3	0.1	-	3	-	-	74,708	-	-	-	-	1	-	-	2	
Wheeling & Lake Erie	14	0.4	-	14	-	-	1,061,176	-	-	-	-	2	1	-	11	
Wisconsin & Southern RR	4	0.1	-	4	-	-	407,749	-	-	-	-	-	1	-	3	
Other Railroads	370	9.8	18	299	13	40	24,020,220	1	21	25	13	105	28	-	199	

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, 2005

State	Total		Type of Accident				Reportable Damage		Casualties			Causes				
	Accs	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Alabama	80	2.3	11	49	8	12	3,702,958	1.1	-	5	8	8	28	13	1	22
Alaska	2	0.1	-	2	-	-	118,600	0.0	-	-	-	-	1	-	-	1
Arizona	38	1.1	4	28	3	3	8,443,300	2.4	-	1	4	3	15	4	-	12
Arkansas	99	2.9	3	62	14	20	8,409,950	2.4	4	19	9	14	23	16	9	28
California	217	6.3	6	146	20	45	33,961,959	9.8	15	95	10	20	83	37	3	64
Colorado	71	2.1	3	49	6	13	8,609,371	2.5	1	18	3	6	30	15	1	16
Connecticut	38	1.1	1	8	1	28	1,207,291	0.3	3	1	9	1	6	3	-	19
Delaware	7	0.2	-	5	1	1	96,347	0.0	-	-	-	1	1	1	-	4
Dist Of Columbi	13	0.4	1	5	-	7	576,600	0.2	-	-	2	-	4	-	-	7
Florida	64	1.8	8	43	2	11	2,269,496	0.7	2	8	2	2	28	11	-	21
Georgia	102	2.9	17	62	7	16	5,975,660	1.7	2	4	9	7	40	18	4	24
Idaho	33	1.0	2	25	3	3	3,477,670	1.0	-	2	5	3	13	1	-	11
Illinois	262	7.6	23	156	20	63	26,095,843	7.5	4	189	32	20	110	34	3	63
Indiana	94	2.7	8	69	3	14	5,296,999	1.5	-	2	16	3	31	15	5	24
Iowa	82	2.4	7	57	6	12	8,151,788	2.3	2	9	11	6	30	7	-	28
Kansas	114	3.3	8	77	10	19	12,682,069	3.6	4	13	11	10	41	11	1	40
Kentucky	50	1.4	6	36	3	5	2,782,299	0.8	-	3	6	3	17	11	-	13
Louisiana	97	2.8	14	54	12	17	6,048,913	1.7	8	6	6	12	47	6	1	25
Maine	5	0.1	-	5	-	-	401,930	0.1	-	-	1	-	4	-	-	-
Maryland	40	1.2	2	24	-	14	2,550,102	0.7	-	1	12	-	11	3	1	13
Massachusetts	23	0.7	3	16	1	3	922,736	0.3	1	4	3	1	11	1	-	7
Michigan	39	1.1	-	34	3	2	4,378,589	1.3	-	1	6	3	10	4	-	16
Minnesota	75	2.2	1	49	9	16	9,244,140	2.7	2	4	12	9	22	9	4	19
Mississippi	53	1.5	6	35	3	9	15,476,412	4.4	5	9	2	3	16	4	2	26
Missouri	76	2.2	11	47	5	13	8,797,655	2.5	1	40	14	5	21	9	-	27
Montana	37	1.1	5	25	2	5	7,241,398	2.1	1	1	4	2	15	5	2	9
Nebraska	126	3.6	9	79	4	34	21,008,449	6.0	1	4	20	4	52	16	6	28
Nevada	15	0.4	-	14	1	-	5,134,340	1.5	1	-	3	1	6	2	-	3
New Hampshire	2	0.1	-	1	-	1	37,950	0.0	-	-	1	-	1	-	-	-
New Jersey	82	2.4	11	31	5	35	6,898,612	2.0	2	6	10	5	37	13	3	14
New Mexico	43	1.2	4	26	4	9	3,847,068	1.1	-	3	5	4	20	5	-	9
New York	107	3.1	10	58	1	38	4,377,214	1.3	1	6	9	1	44	25	3	25
North Carolina	33	1.0	6	18	4	5	2,284,709	0.7	3	22	3	4	19	3	-	4
North Dakota	32	0.9	-	22	7	3	9,680,845	2.8	2	4	7	7	7	1	-	10
Ohio	119	3.4	8	88	3	20	6,417,045	1.8	-	4	6	3	36	20	3	51
Oklahoma	72	2.1	-	57	3	12	10,153,473	2.9	-	1	9	3	17	13	-	30
Oregon	68	2.0	7	56	-	5	4,289,047	1.2	-	3	4	-	29	6	1	28
Pennsylvania	110	3.2	6	80	3	21	4,043,733	1.2	-	3	9	3	30	21	3	44
Rhode Island	1	0.0	-	-	-	1	20,000	0.0	-	-	1	-	-	-	-	-
South Carolina	29	0.8	5	18	3	3	3,579,879	1.0	9	296	3	3	11	3	-	9
South Dakota	26	0.8	-	21	1	4	4,932,560	1.4	-	1	2	1	7	2	-	14
Tennessee	69	2.0	6	44	2	17	5,287,678	1.5	-	3	7	2	32	12	1	15
Texas	433	12.5	27	297	43	66	38,927,823	11.2	4	48	36	43	151	52	4	147
Utah	32	0.9	-	24	1	7	1,664,805	0.5	1	9	4	1	13	3	-	11
Vermont	7	0.2	-	6	-	1	1,357,322	0.4	-	-	-	-	2	1	-	4
Virginia	57	1.6	8	41	2	6	4,177,464	1.2	-	7	7	2	20	5	2	21
Washington	73	2.1	5	40	7	21	4,139,052	1.2	-	40	7	7	29	13	-	17
West Virginia	43	1.2	2	36	1	4	4,603,289	1.3	-	3	7	1	4	8	-	23
Wisconsin	34	1.0	1	24	3	6	3,324,995	1.0	3	5	4	3	10	6	-	11
Wyoming	39	1.1	4	31	-	4	10,719,218	3.1	-	-	4	-	14	4	-	17
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>100.0</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>

TABLE 5-3 TRAIN ACCIDENTS BY MONTH, TYPE AND MAJOR CAUSE, 2005

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
January	325	9.4	18	218	18	71	43,043,135	12.4	22	391	37	18	107	50	2	111
February	263	7.6	20	190	16	37	21,128,862	6.1	12	18	26	16	92	33	6	90
March	315	9.1	28	218	13	56	24,519,109	7.0	2	21	40	13	117	44	7	94
April	287	8.3	21	183	21	62	23,794,953	6.8	2	72	37	21	98	38	8	85
May	269	7.8	23	177	13	56	35,475,803	10.2	4	27	27	13	111	40	5	73
June	280	8.1	26	188	14	52	21,273,251	6.1	3	18	27	14	94	37	8	100
July	284	8.2	20	182	22	60	31,804,403	9.1	11	19	29	22	106	47	3	77
August	304	8.8	23	199	27	55	24,490,524	7.0	6	52	32	27	107	43	6	89
September	302	8.7	24	194	28	56	38,701,889	11.1	9	218	30	28	115	38	5	86
October	293	8.5	25	182	24	62	31,993,377	9.2	4	22	29	24	103	36	4	97
November	255	7.4	20	170	19	46	22,620,507	6.5	2	31	28	19	94	30	2	82
December	286	8.3	21	179	25	61	28,980,832	8.3	5	14	23	25	105	36	7	90
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>100.0</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>

TABLE 5-4 TRAIN ACCIDENTS BY DAY, TYPE AND MAJOR CAUSE, 2005

Day	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Sunday	421	12.2	35	287	13	86	43,948,238	12.6	9	58	40	13	176	61	7	124
Monday	514	14.8	36	334	41	103	39,123,802	11.2	7	41	57	41	187	67	12	150
Tuesday	538	15.5	41	364	29	104	46,194,830	13.3	9	82	52	29	182	77	11	187
Wednesday	497	14.4	28	307	55	107	52,508,242	15.1	22	167	44	55	171	66	4	157
Thursday	509	14.7	43	329	35	102	58,110,027	16.7	17	338	53	35	184	78	9	150
Friday	535	15.4	54	344	42	95	44,950,157	12.9	10	37	49	42	202	64	13	165
Saturday	449	13.0	32	315	25	77	62,991,349	18.1	8	180	70	25	147	59	7	141
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>100.0</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>

*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, 2005

Time	Total		Type of Accident				Reportable Damage		Casualties		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
<b>AM</b>																
1	152	4.4	15	99	5	33	13,885,935	4.0	1	11	18	5	67	16	4	42
2	153	4.4	13	111	4	25	15,050,056	4.3	9	301	14	4	52	21	5	57
3	133	3.8	17	94	3	19	13,242,332	3.8	1	15	14	3	56	15	3	42
4	133	3.8	18	79	3	33	23,911,723	6.9	5	11	13	3	54	28	2	33
5	127	3.7	5	94	2	26	13,771,845	4.0	1	4	13	2	52	24	3	33
6	146	4.2	11	94	5	36	30,330,971	8.7	11	73	14	5	53	23	3	48
7	116	3.3	6	70	17	23	14,805,405	4.3	7	11	14	17	40	18	1	26
8	124	3.6	5	84	18	17	17,154,530	4.9	5	176	7	18	37	17	6	39
9	155	4.5	8	86	14	47	11,437,894	3.3	4	50	15	14	53	30	1	42
10	146	4.2	11	96	20	19	11,023,714	3.2	2	13	20	20	49	18	-	39
11	154	4.4	14	89	25	26	10,171,482	2.9	4	27	14	25	49	17	-	49
12	122	3.5	11	84	2	25	14,586,192	4.2	1	8	12	2	53	19	3	33
<b>Sub</b>	1,661	48.0	134	1,080	118	329	189,372,079	54.4	51	700	168	118	615	246	31	483
<b>PM</b>																
1	182	5.3	12	119	19	32	13,296,089	3.8	3	17	17	19	55	24	3	64
2	176	5.1	12	116	17	31	15,653,989	4.5	2	16	18	17	61	19	2	59
3	136	3.9	9	94	13	20	14,166,662	4.1	9	10	19	13	39	17	1	47
4	189	5.5	12	124	13	40	21,406,123	6.2	2	29	19	13	53	30	6	68
5	152	4.4	12	100	7	33	13,032,633	3.7	1	9	16	7	64	15	3	47
6	153	4.4	14	98	11	30	11,114,098	3.2	5	9	17	11	56	19	3	47
7	137	4.0	10	88	9	30	11,398,653	3.3	1	5	18	9	47	17	5	41
8	147	4.2	9	108	4	26	11,027,100	3.2	-	8	13	4	57	17	1	55
9	133	3.8	10	92	4	27	10,753,311	3.1	1	7	15	4	48	23	2	41
10	135	3.9	20	88	2	25	11,658,668	3.4	-	17	9	2	67	17	2	38
11	113	3.3	5	80	4	24	12,425,737	3.6	-	38	13	4	39	15	3	39
12	149	4.3	10	93	19	27	12,521,503	3.6	7	38	23	19	48	13	1	45
<b>Sub</b>	1,802	52.0	135	1,200	122	345	158,454,566	45.6	31	203	197	122	634	226	32	591
<b>Total</b>	3,463	100	269	2,280	240	674	347,826,645	100	82	903	365	240	1,249	472	63	1,074

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

TABLE 5-6 TRAIN ACCIDENTS BY TYPE AND MAJOR CAUSE, 2005

Type Accident	Total		Reportable Damage		Casualties			Causes				
	Cnt	%	Amount	%	Kld	Nonfatal	Eqp HRC	Hmn	Othr	Sig	Trk	
Derailments	2,280	65.8	248,827,584	71.5	2	229	274	-	661	296	25	1,024
Head on collision	10	0.3	16,726,695	4.8	5	16	-	-	7	3	-	-
Rear end collision	28	0.8	8,164,173	2.3	1	22	-	-	27	-	1	-
Side collision	167	4.8	12,408,127	3.6	-	15	1	-	151	10	3	2
Raking collision	61	1.8	3,142,601	0.9	-	1	8	-	47	5	1	-
Broken train coll.	3	0.1	290,919	0.1	-	-	1	-	1	-	-	1
Highway-rail Impact	240	6.9	12,084,872	3.5	49	169	-	240	-	-	-	-
Obstruction impact	71	2.1	17,449,611	5.0	14	121	6	-	13	48	-	4
Explosion/detonation	1	0.0	35,000	0.0	-	-	1	-	-	-	-	-
Fire/violent rupture	24	0.7	2,807,669	0.8	-	2	12	-	-	12	-	-
Other impacts	430	12.4	13,466,771	3.9	1	32	16	-	308	73	29	4
Other events	148	4.3	12,422,623	3.6	10	296	46	-	34	25	4	39
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>347,826,645</b>	<b>100</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>

TABLE 5-7 TRAIN ACCIDENTS BY SUBCAUSE AND TYPE, 2005

Causes	Total		Type of Accident				Reportable Damage		Casualties	
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Kld	Nonfatal
Brakes	37	1.1	1	26	-	10	4,737,481	1.4	-	-
Body	32	0.9	4	20	-	8	2,486,238	0.7	-	1
Coupler & Draft System	49	1.4	2	33	-	14	4,140,426	1.2	-	-
Truck Components	64	1.8	-	64	-	-	9,391,729	2.7	-	-
Axles & Journal Bearings	59	1.7	1	52	-	6	13,108,779	3.8	-	-
Wheels	65	1.9	1	61	-	3	15,842,240	4.6	-	-
Locomotives	42	1.2	-	4	-	38	1,825,687	0.5	-	1
Doors	17	0.5	1	14	-	2	1,179,108	0.3	-	-
Brakes, Use of	142	4.1	25	43	-	74	5,447,058	1.6	-	12
Employee Physical Condition	4	0.1	2	1	-	1	1,574,198	0.5	-	-
Flagging, Fixed, Hand & Radio	49	1.4	21	19	-	9	20,342,570	5.8	4	12
General Switching Rules	472	13.6	108	177	-	187	15,256,139	4.4	-	10
Main Track Authority	23	0.7	15	3	-	5	4,995,094	1.4	-	23
Train Handling/Makeup	132	3.8	4	121	-	7	11,657,582	3.4	-	3
Speed	105	3.0	30	45	-	30	19,436,849	5.6	3	169
Switches, Use of	293	8.5	22	237	-	34	12,226,375	3.5	9	308
Miscellaneous Human Factors	29	0.8	6	15	-	8	2,166,057	0.6	-	3
Environmental Conditions	53	1.5	2	37	-	14	6,892,208	2.0	-	36
Loading Procedures	38	1.1	-	37	-	1	8,652,901	2.5	-	-
Highway-Rail Incidents	240	6.9	-	-	240	-	12,084,872	3.5	49	169
Unusual Operational Situations	265	7.7	8	147	-	110	32,902,620	9.5	16	88
Other Miscellaneous Causes	116	3.3	8	75	-	33	8,903,086	2.6	1	6
Signal Defects	63	1.8	5	25	-	33	3,371,812	1.0	-	5
Roadbed	34	1.0	-	32	-	2	2,732,661	0.8	-	2
Track Geometry	400	11.6	1	399	-	-	37,161,234	10.7	-	43
Rail, Joint Bar & Anchors	382	11.0	-	381	-	1	72,439,528	20.8	-	10
Frogs, Switches, Appliances	204	5.9	2	199	-	3	10,686,987	3.1	-	2
Other Track Defects	54	1.6	-	13	-	41	6,185,126	1.8	-	-
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>100.0</b>	<b>82</b>	<b>903</b>

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

TABLE 5-8 TRAIN ACCIDENTS WITH CONTRIBUTING CAUSE, 2005

Contributing Cause	Total		Type of Accident				Type of Track			
	Cnt	%	Coll	Der	HRC	Othr	Main	Yard	Siding	Industry
Brakes	9	2.1	1	5	-	3	8	1	-	-
Body	4	0.9	1	3	-	-	1	3	-	-
Coupler & Draft System	1	0.2	-	1	-	-	-	1	-	-
Truck Components	16	3.6	-	16	-	-	7	6	-	3
Axles & Journal Bearings	4	0.9	-	3	-	1	4	-	-	-
Wheels	11	2.5	-	11	-	-	3	5	2	1
Doors	1	0.2	-	1	-	-	1	-	-	-
Brakes, Use of	22	5.0	2	5	-	15	6	14	-	2
Employee Physical Condition	1	0.2	1	-	-	-	1	-	-	-
Flagging, Fixed, Hand & Radio	3	0.7	1	-	-	2	1	1	-	1
General Switching Rules	68	15.5	14	24	-	30	7	53	2	6
Main Track Authority	8	1.8	5	1	-	2	3	4	1	-
Train Handling/Makeup	23	5.2	-	23	-	-	11	9	1	2
Speed	17	3.9	7	7	-	3	10	5	1	1
Switches, Use of	31	7.1	-	22	-	9	4	25	1	1
Miscellaneous Human Factors	10	2.3	1	5	-	4	4	4	2	-
Environmental Conditions	10	2.3	-	8	-	2	5	2	2	1
Loading Procedures	11	2.5	-	10	-	1	8	2	-	1
Highway-Rail Incidents	42	9.6	-	-	41	1	37	4	-	1
Unusual Operational Situations	9	2.1	-	7	-	2	5	4	-	-
Other Miscellaneous Causes	24	5.5	2	19	1	2	5	2	1	16
Signal Defects	5	1.1	2	2	-	1	-	5	-	-
Roadbed	13	3.0	-	13	-	-	5	6	-	2
Track Geometry	50	11.4	-	49	-	1	28	14	1	7
Rail, Joint Bar & Anchors	20	4.6	1	19	-	-	12	5	-	3
Frogs, Switches, Appliances	23	5.2	1	22	-	-	4	17	-	2
Other Track Defects	3	0.7	-	1	-	2	3	-	-	-
<b>Total</b>	<b>439</b>	<b>100</b>	<b>39</b>	<b>277</b>	<b>42</b>	<b>81</b>	<b>183</b>	<b>192</b>	<b>14</b>	<b>50</b>

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

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

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	2	-	-	165,430	-	-
Failure to secure engine- rr empl	11	0.3	4	4	3	2	8	1	208,744	-	-
Fail to secure car hnd brk -rr emp	37	1.1	6	8	23	4	29	4	1,173,257	-	9
Fail to release hand brk - rr emp	7	0.2	-	5	2	4	3	-	168,011	-	-
Fail to apply suff. hand brakes -rr emp	35	1.0	8	7	20	1	28	6	964,022	-	1
Fail to apply car hnd brks -rr emp	30	0.9	3	7	20	1	27	2	653,093	-	2
Fail to secure equip - not rr emp	9	0.3	2	5	2	2	3	4	1,739,776	-	-
Fail to ctrl car spd use hnd brk-r emp	4	0.1	1	1	2	-	4	-	91,303	-	-
Use of brakes, other	7	0.2	1	5	1	1	3	3	283,422	-	-
Impairment because of drugs or alcohol	1	0.0	-	-	1	1	-	-	30,000	-	-
Employee asleep	3	0.1	2	1	-	1	2	-	1,544,198	-	-
Hand signal, failure to comply	-	-	-	-	-	-	-	-	500	-	-
Hand signal improper	1	0.0	1	-	-	-	1	-	75,200	-	-
Hand signal, failure to give/receive	1	0.0	1	-	-	-	1	-	9,500	-	-
Radio communication, failure to comply	11	0.3	3	5	3	1	9	1	210,572	-	-
Radio communication, improper	5	0.1	2	3	-	1	2	2	131,012	-	-
Radio comm., failure to give/receive	3	0.1	-	1	2	-	2	1	107,364	-	1
Failure to comply with failed equipment detector warning or with applicable train inspection rules.	7	0.2	-	6	1	7	-	-	1,890,254	-	-
Fixed signal (other than automatic block or interlocking signal), failure to comply.	3	0.1	2	1	-	2	1	-	188,172	-	-
Automatic block or interlocking signal displaying a stop indication - failure to comply.*	14	0.4	8	3	3	12	2	-	16,173,496	4	8
Automatic block or interlocking signal displaying other than a stop indication - failure to comply.*	4	0.1	4	-	-	4	-	-	1,230,500	-	3
Other signal causes	-	-	-	-	-	-	-	-	326,000	-	-
Car(s) shoved out & left out of clear	9	0.3	3	2	4	-	9	-	152,662	-	-
Cars left foul	52	1.5	14	2	36	3	45	4	1,321,393	-	1
Derail, failure to apply or remove	28	0.8	-	28	-	1	16	11	585,592	-	-
Instruction to trn/yd crew improper	6	0.2	1	2	3	-	6	-	127,589	-	1
Shoving movement, absence of man	146	4.2	45	57	44	5	117	24	6,404,659	-	2
Shoving movement, failure to control	74	2.1	23	18	33	4	58	12	2,335,677	-	5
Skate, failure to remove or place	6	0.2	-	5	1	-	6	-	73,432	-	-
Failure to stretch cars before shoving	6	0.2	-	2	4	-	6	-	525,930	-	-
Failure to couple	18	0.5	4	6	8	-	15	3	415,729	-	1
Moving cars-load ramp,etc, not in pos	3	0.1	-	2	1	-	-	3	33,329	-	-
Passed couplers	41	1.2	-	35	6	-	41	-	793,565	-	-
Retarder, improper manual operation	2	0.1	2	-	-	-	2	-	52,693	-	-
Portable derail, improperly applied	2	0.1	-	2	-	-	2	-	17,296	-	-
Manual intervention of classification yard automatic control system modes by operator	8	0.2	2	1	5	-	8	-	408,623	-	-
Humping or cutting off in motion equipment susceptible to damage, or to cause damage to other equipment	1	0.0	-	1	-	-	1	-	33,563	-	-
Kicking or dropping cars, inadequate precautions	43	1.2	8	5	30	1	40	2	1,099,238	-	-
Other general switching rules	27	0.8	6	9	12	2	20	5	875,169	-	-
Failure to stop train in clear	8	0.2	7	-	1	3	5	-	918,506	-	6
Motor car/on-trk rules, fail to comply	6	0.2	4	1	1	6	-	-	125,280	-	3
Movement without authority - rr emp	2	0.1	1	1	-	2	-	-	1,861,230	-	5
Fail to comply with trn order, etc.	5	0.1	1	1	3	3	-	2	230,211	-	3
Trn orders, trk warrants, radio error	2	0.1	2	-	-	2	-	-	1,859,867	-	6
Improper train make-up at init term	2	0.1	-	2	-	1	-	1	55,650	-	-
Buff/slack action excess, trn handling	31	0.9	1	28	2	14	16	1	1,809,396	-	-
Buff/slack action excess, trn make-up	13	0.4	-	13	-	5	6	2	1,173,859	-	3



TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

MAJOR CAUSE= Human Factors

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Lat DB force on curve xcess trn hndlng	10	0.3	-	10	-	4	6	-	759,021	-	-
Lat DB force on curve excess, make-up	8	0.2	1	7	-	3	5	-	292,944	-	-
Lat drawbar force-short/long car combo	5	0.1	-	5	-	-	4	1	142,580	-	-
Improper train make-up	3	0.1	-	3	-	3	-	-	513,268	-	-
Improper train inspection	7	0.2	-	7	-	4	1	2	3,299,030	-	-
Automatic brake, excessive	3	0.1	-	3	-	3	-	-	58,026	-	-
Auto brake, fail to use split reduction	1	0.0	-	-	1	-	-	1	10,604	-	-
Automatic brake, other improper use	2	0.1	-	2	-	-	2	-	58,128	-	-
Fail to allow air brks to release	9	0.3	1	7	1	2	5	2	241,839	-	-
Dynamic brake, excessive	1	0.0	-	1	-	-	-	1	48,937	-	-
Dynamic brake, too rapid adjustment	2	0.1	-	2	-	2	-	-	66,065	-	-
Dynamic brake, excessive axles	2	0.1	-	2	-	2	-	-	366,432	-	-
Dynamic brake, other improper use	2	0.1	-	2	-	2	-	-	178,116	-	-
Throttle (power), improper use	4	0.1	-	4	-	-	4	-	142,342	-	-
Throttle (power), too rapid adjustment	2	0.1	-	2	-	1	1	-	81,561	-	-
Excessive horsepower	5	0.1	-	5	-	1	3	1	504,996	-	-
Independent brake, improper use	10	0.3	1	9	-	4	5	1	517,710	-	-
Failure to actuate off independent brk	3	0.1	-	3	-	2	-	1	144,761	-	-
Other train handling/makeup	7	0.2	-	4	3	3	4	-	1,192,317	-	-
Coupling speed excessive	23	0.7	-	14	9	5	17	1	600,178	-	-
Switch movement, excessive speed	5	0.1	-	-	5	-	4	1	193,067	-	-
Train inside yard limits, excess speed	2	0.1	1	1	-	-	2	-	27,677	-	-
Train outside yd limits, excess speed	3	0.1	-	3	-	3	-	-	352,688	-	-
Failure to comply with restricted speed	20	0.6	14	5	1	15	4	1	3,234,414	-	10
Train outside yd limits(nonblk),exc spd	6	0.2	-	6	-	6	-	-	1,744,422	-	-
Failure to comply with restricted speed or its equivalent not in connection with a block or interlocking signal.	37	1.1	14	9	14	9	27	1	4,779,638	1	4
Speed, other	9	0.3	1	7	1	4	1	4	8,504,765	2	155
Spring Switch not clear before reverse	9	0.3	-	8	1	2	7	-	261,179	-	-
Switch improperly lined	200	5.8	19	151	30	19	155	26	10,055,718	9	305
Switch not latched or locked	23	0.7	-	23	-	3	18	2	580,844	-	-
Switch previously run through	50	1.4	-	47	3	2	38	10	1,099,587	-	3
Moveable point trk frog improper lined	2	0.1	-	2	-	2	-	-	107,343	-	-
Switch improperly lined, radio controlled	5	0.1	3	2	-	1	4	-	62,228	-	-
Use of switches, other	4	0.1	-	4	-	3	1	-	59,476	-	-
Human factors - track	2	0.1	1	1	-	2	-	-	102,193	-	2
Human factors - signal	2	0.1	-	2	-	-	2	-	22,805	-	-
Human factors -motive power & equipment	3	0.1	1	1	1	-	3	-	91,550	-	-
Oversized loads or Excess Height/Width cars, mis-routed or switched.	2	0.1	2	-	-	2	-	-	16,802	-	-
Motor car or other on-track equipment rules (other than main track authority) - Failure to Comply.	5	0.1	-	2	3	4	1	-	196,067	-	1
Other train operation/human factors	13	0.4	1	8	4	7	6	-	1,675,040	-	-
Human Factor - Signal - Train Control - Operator Input											
On-board computer incorrect data provided	1	0.0	1	-	-	1	-	-	40,200	-	-
Computer system configuration/management error (non vendor)	1	0.0	-	1	-	1	-	-	21,400	-	-
<b>Total</b>	<b>1,249</b>	<b>36.1</b>	<b>233</b>	<b>661</b>	<b>355</b>	<b>225</b>	<b>874</b>	<b>150</b>	<b>93,101,922</b>	<b>16</b>	<b>540</b>

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

MAJOR CAUSE= Signal Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		KId	Nonfatal
Block signal displayed false proceed	1	0.0	1	-	-	1	-	-	842,008	-	3
Classyard autocontrol sys switch fail	6	0.2	-	4	2	-	6	-	82,156	-	-
Class yd auto ctrl sys retarder fail	27	0.8	1	11	15	-	27	-	544,029	-	1
Power switch failure	8	0.2	1	5	2	1	6	1	236,073	-	-
Radio communication equipment failure	2	0.1	-	1	1	-	1	1	46,138	-	-
Other communication equipment failure	2	0.1	-	1	1	1	1	-	966,961	-	1
Classification yard automatic control system - Inadequate/insufficient control	9	0.3	-	1	8	-	9	-	123,563	-	-
Other signal failures	5	0.1	-	1	4	3	2	-	105,805	-	-
Remote control transmitter defective	1	0.0	-	1	-	-	-	1	47,348	-	-
Remote control transmitter, loss of communication.	1	0.0	1	-	-	-	1	-	345,731	-	-
Radio controlled switch communication failure	1	0.0	1	-	-	-	1	-	32,000	-	-
<b>Total</b>	<b>63</b>	<b>1.8</b>	<b>5</b>	<b>25</b>	<b>33</b>	<b>6</b>	<b>54</b>	<b>3</b>	<b>3,371,812</b>	<b>-</b>	<b>5</b>

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		KId	Nonfatal
Roadbed settled or soft	23	0.7	-	23	-	7	15	1	1,007,533	-	-
Washout/rain/slide/etc. dmg -track	6	0.2	-	4	2	6	-	-	1,398,353	-	2
Other roadbed defects	5	0.1	-	5	-	1	3	1	326,775	-	-
Cross level of track irregular(joints)	43	1.2	1	42	-	26	9	8	3,383,650	-	-
Cross level track irreg.(not at joints)	43	1.2	-	43	-	28	9	6	6,811,703	-	-
Deviate frm uniform top of rail profile	2	0.1	-	2	-	2	-	-	62,732	-	-
Disturbed ballast section	2	0.1	-	2	-	2	-	-	55,665	-	-
Insufficient ballast section	1	0.0	-	1	-	1	-	-	44,030	-	-
Superelevation improper, excessive,etc.	4	0.1	-	4	-	4	-	-	182,524	-	-
Superelevation runoff improper	1	0.0	-	1	-	-	1	-	308,952	-	-
Trk alignmnt irreg-not buckled/sunkink	23	0.7	-	23	-	8	11	4	2,518,346	-	-
Track alignment irreg(buckled/sunkink)	25	0.7	-	25	-	20	3	2	7,257,261	-	4
Wide gage(defective/missing crossties)	187	5.4	-	187	-	36	99	52	11,269,171	-	39
Wide gage(spikes/other rail fasteners)	36	1.0	-	36	-	8	19	9	2,101,239	-	-
Wide gage(loose,broke, etc, gage rods)	7	0.2	-	7	-	3	3	1	359,065	-	-
Wide gage (due to worn rails)	10	0.3	-	10	-	1	5	4	528,419	-	-
Other track geometry defects	16	0.5	-	16	-	9	6	1	2,278,477	-	-
Bolt hole crack or break	17	0.5	-	17	-	9	7	1	5,218,113	-	-
Broken base of rail	29	0.8	-	29	-	10	14	5	2,771,578	-	1
Broken weld (plant)	2	0.1	-	2	-	1	-	1	384,732	-	-
Broken weld (field)	7	0.2	-	7	-	5	2	-	2,971,344	-	-
Defective or missing crossties	25	0.7	-	25	-	7	14	4	1,232,981	-	-
Defect/missing spike-oth rail fastener	7	0.2	-	7	-	1	3	3	458,633	-	1
Detail fracture - shelling/head check	60	1.7	-	60	-	35	20	5	24,120,704	-	5
Engine burn fracture	2	0.1	-	2	-	2	-	-	138,802	-	-
Head and web sep(outside jt bar limit)	38	1.1	-	38	-	12	17	9	1,941,398	-	-
Head & web separation-in jt bar limit	10	0.3	-	10	-	2	6	2	309,965	-	-
Horizontal split head	8	0.2	-	8	-	1	5	2	512,555	-	-
Joint bar broken (compromise)	7	0.2	-	7	-	3	3	1	824,165	-	-
Joint bar broken (noninsulated)	5	0.1	-	5	-	2	3	-	2,960,135	-	-
Joint bolts, broken, or missing	3	0.1	-	3	-	-	3	-	61,789	-	-
Mismatched rail-head contour	9	0.3	-	9	-	1	7	1	133,320	-	-
Piped rail	1	0.0	-	1	-	-	-	1	11,646	-	-
Rail defect with joint bar repair	1	0.0	-	1	-	1	-	-	693,622	-	-
Transverse/compound fissure	89	2.6	-	88	1	33	43	13	11,697,721	-	3
Vertical split head	40	1.2	-	40	-	16	18	6	4,364,990	-	-
Worn rail	7	0.2	-	7	-	1	2	4	320,787	-	-

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

MAJOR CAUSE= Track Defects

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		KId	Nonfatal
Other rail and joint bar defects	15	0.4	-	15	-	11	4	-	11,310,548	-	-
Derail, defective	2	0.1	-	2	-	-	1	1	354,960	-	1
Guard rail loose/broken or mislocated	3	0.1	-	3	-	-	3	-	213,872	-	-
Retarder worn, broken, malfunctioning	1	0.0	-	-	1	-	1	-	16,623	-	-
Retarder yard skate defective	1	0.0	-	-	1	-	1	-	9,428	-	-
Spring/power swtch mech. malfunction	2	0.1	-	2	-	2	-	-	30,838	-	-
Stock rail worn, broken, disconnected	6	0.2	-	6	-	2	3	1	397,378	-	-
Switch (hand op) stand mechanism defect	6	0.2	-	6	-	2	4	-	256,549	-	-
Swtch connect/operate rod broke/defect	5	0.1	-	5	-	1	2	2	199,664	-	-
Switch damaged or out of adjustment	34	1.0	-	33	1	4	25	5	1,055,238	-	-
Switch lug/crank broken	1	0.0	-	1	-	-	-	1	12,210	-	-
Switch out of adj. insuff. anchoring	8	0.2	-	8	-	-	8	-	153,398	-	-
Switch point worn or broken	86	2.5	1	85	-	13	51	22	4,844,001	-	-
Switch rod worn, bent, broken, etc.	2	0.1	-	2	-	-	2	-	26,549	-	-
Turnout frog (rigid) worn, or broken	6	0.2	-	6	-	1	3	2	241,876	-	-
Turnout frog (self guarded)-worn/broken	3	0.1	-	3	-	-	2	1	36,949	-	-
Turnout frog (spring) worn, or broken	1	0.0	-	1	-	-	1	-	23,000	-	-
Switch pt gap(btwn swt pt & stock rail)	27	0.8	1	26	-	3	19	5	660,116	-	1
Oth frog, switch, trk appliance defect	10	0.3	-	10	-	3	7	-	2,154,338	-	-
Bridge misalignment or failure	3	0.1	-	3	-	3	-	-	191,152	-	-
Flangeway clogged	3	0.1	-	2	1	1	2	-	48,723	-	-
Engineering design or construction	4	0.1	-	2	2	2	2	-	109,773	-	-
Catenary system defect	34	1.0	-	-	34	31	3	-	5,030,100	-	-
Other way and structure defect	10	0.3	-	6	4	6	2	2	805,378	-	-
<b>Total</b>	<b>1,074</b>	<b>31.0</b>	<b>3</b>	<b>1,024</b>	<b>47</b>	<b>389</b>	<b>496</b>	<b>189</b>	<b>129,205,536</b>	<b>-</b>	<b>57</b>

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		KId	Nonfatal
Air hose uncoupled or burst	1	0.0	-	1	-	1	-	-	173,535	-	-
Air hose uncoupled or burst (LOCO)	1	0.0	-	1	-	-	1	-	6,756	-	-
Hydraulic hose uncoupled or burst	1	0.0	-	-	1	1	-	-	35,000	-	-
Broken brake pipe or connections	1	0.0	-	1	-	-	1	-	35,000	-	-
Oth brk component dmg,worn,broke,etc.	2	0.1	-	2	-	-	1	1	18,744	-	-
Brake valve malf. (stuck brake, etc.)	5	0.1	-	3	2	2	3	-	113,519	-	-
Brk valve malf.(stuck brk, etc.)-loco	1	0.0	-	1	-	1	-	-	1,058,453	-	-
Rigging down or dragging	15	0.4	-	11	4	4	10	1	2,954,920	-	-
Hand brk broken or defective	5	0.1	1	2	2	2	1	2	249,002	-	-
Other brake defects, cars	2	0.1	-	1	1	-	2	-	29,076	-	-
Hnd brk link and/or connect defect	3	0.1	-	3	-	1	-	2	63,476	-	-
Body bolster broken or defective	3	0.1	-	2	1	2	1	-	813,546	-	-
Center sill broken or bent	4	0.1	-	3	1	2	2	-	62,597	-	-
Draft sill broken or bent	3	0.1	-	2	1	3	-	-	318,536	-	-
Center plate broken or defective	1	0.0	-	1	-	-	1	-	54,967	-	-
Ctr plate disengaged from truck	5	0.1	-	5	-	2	2	1	125,948	-	-
Center plate attachment defective	2	0.1	-	2	-	-	1	1	307,451	-	-
Side sill broken	6	0.2	-	4	2	4	1	1	84,608	-	-
Other body defects, (CAR)	8	0.2	4	1	3	5	3	-	718,585	-	1
Knuckle broken or defective	7	0.2	1	4	2	-	7	-	234,912	-	-
Coupler mismatch, high/low	1	0.0	-	1	-	-	1	-	13,535	-	-

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Coupler drawhead broken or defective	1	0.0	-	-	1	1	-	-	72,177	-	-
Coupler drawhead broke/defect-loco	1	0.0	-	1	-	1	-	-	101,000	-	-
Coupler retainer pin/cross key missing	16	0.5	-	14	2	11	5	-	1,730,697	-	-
Draft gear/mechanism broke/defective	4	0.1	-	4	-	2	2	-	212,726	-	-
Draft gear/mechanism broke/defect-loco	1	0.0	-	-	1	-	1	-	35,000	-	-
Coupler carrier broken or defective	2	0.1	-	1	1	1	1	-	117,788	-	-
Coupler shank broken/defective	3	0.1	-	1	2	1	2	-	61,542	-	-
Oth coupler/draft system defects-car	13	0.4	1	7	5	6	7	-	1,561,049	-	-
Side bearing clearance insufficient	16	0.5	-	16	-	8	6	2	2,307,823	-	-
Side bearing clearance excessive	7	0.2	-	7	-	4	3	-	462,975	-	-
Side bearing(s) missing	2	0.1	-	2	-	1	1	-	107,832	-	-
Truck bolster broken	1	0.0	-	1	-	1	-	-	134,958	-	-
Side frame broken	4	0.1	-	4	-	4	-	-	3,112,320	-	-
Truck bolster stiff	12	0.3	-	12	-	4	6	2	494,442	-	-
Truck bolster stiff (LOCO)	2	0.1	-	2	-	1	1	-	37,872	-	-
Defective snubbing	4	0.1	-	4	-	3	1	-	784,125	-	-
Broken, missing, or defective springs	2	0.1	-	2	-	2	-	-	33,261	-	-
Other truck component defects, (CAR)	2	0.1	-	2	-	1	1	-	109,557	-	-
Other truck component defects, (LOCO)	1	0.0	-	1	-	1	-	-	825,664	-	-
Truck bolster stiff (failure to slew)	8	0.2	-	8	-	1	4	3	716,180	-	-
Truck hunting	3	0.1	-	3	-	3	-	-	264,720	-	-
Broken/bent axle between wheel seats	3	0.1	-	3	-	2	-	1	260,923	-	-
Broke/bent axle btwn wheel seats-loco	6	0.2	-	6	-	6	-	-	262,364	-	-
Journal (plain) failure from overheat	2	0.1	-	2	-	2	-	-	288,711	-	-
Journal (roller bearing) overheating	43	1.2	1	37	5	41	1	1	8,860,135	-	-
Journal fractured, new cold break	3	0.1	-	3	-	3	-	-	1,280,502	-	-
Oth axle/journal bearing defect-car	1	0.0	-	1	-	1	-	-	2,089,031	-	-
Oth axle/journal bearing defect-loco	1	0.0	-	-	1	-	-	1	67,113	-	-
Broken flange	2	0.1	-	2	-	2	-	-	433,884	-	-
Broken flange (LOCO)	1	0.0	-	1	-	-	1	-	9,275	-	-
Broken rim	19	0.5	-	18	1	19	-	-	10,258,229	-	-
Broken plate	9	0.3	-	7	2	8	1	-	1,082,545	-	-
Broken hub	2	0.1	-	2	-	2	-	-	270,412	-	-
Broken hub (LOCO)	1	0.0	-	1	-	1	-	-	528,438	-	-
Worn Flange	9	0.3	-	9	-	1	6	2	238,363	-	-
Worn flange (LOCO)	4	0.1	-	4	-	-	4	-	58,708	-	-
Worn tread	2	0.1	1	1	-	2	-	-	928,721	-	-
Damaged flange or tread (build up)	10	0.3	-	10	-	8	2	-	336,546	-	-
Loose wheel	3	0.1	-	3	-	3	-	-	1,623,359	-	-
Other wheel defects (CAR)	1	0.0	-	1	-	-	1	-	14,000	-	-
Other wheel defects (LOCO)	1	0.0	-	1	-	1	-	-	11,700	-	-
Thermal crack, flange or tread	1	0.0	-	1	-	1	-	-	48,060	-	-
Traction motor failure (LOCO)	5	0.1	-	2	3	5	-	-	101,295	-	-
Crank case or air box explosion (LOCO)	2	0.1	-	-	2	2	-	-	435,000	-	-
Oil or fuel fire (LOCO)	2	0.1	-	-	2	2	-	-	240,000	-	-
Electrically caused fire (LOCO)	9	0.3	-	-	9	8	1	-	453,520	-	1
Remote control equip inoperative (LOCO)	1	0.0	-	1	-	-	1	-	13,378	-	-
Pantograph defect (LOCO)	20	0.6	-	-	20	18	2	-	386,449	-	-
Other LOCO defects	3	0.1	-	1	2	1	2	-	196,045	-	-
Box car plug door,attachment defective	1	0.0	-	-	1	1	-	-	13,537	-	-
Bottom outlet car door open	5	0.1	-	5	-	1	1	3	118,886	-	-
Bottom outlet door attachment defect	7	0.2	-	7	-	3	4	-	900,337	-	-

TABLE 5-9 TRAIN ACCIDENTS BY SPECIFIC CAUSE AND TYPE, 2005

MAJOR CAUSE= Mechanical/Electrical

Causes	Total		Type of Accident			Type of Track			Reportable Damage	Casualties	
	Cnt	%	Coll	Der	Othr	Main	Yard	Other		Kld	Nonfatal
Other car door defects	4	0.1	1	2	1	3	-	1	146,348	-	-
<b>Total</b>	<b>365</b>	<b>10.5</b>	<b>10</b>	<b>274</b>	<b>81</b>	<b>234</b>	<b>106</b>	<b>25</b>	<b>52,711,688</b>	<b>-</b>	<b>2</b>

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	28	0.8	1	23	-	4	12	5	11	1,644,238	-	36
Extreme environmental - FLOOD	3	0.1	-	2	-	1	1	1	1	1,663,619	-	-
Extreme wind velocity	16	0.5	1	11	-	4	4	8	4	2,482,899	-	-
Other extreme environmental conditions	6	0.2	-	1	-	5	6	-	-	1,101,452	-	-
Load shifted	11	0.3	-	11	-	-	7	3	1	2,886,869	-	-
Load fell from car	2	0.1	-	2	-	-	1	1	-	2,137,201	-	-
Overloaded car	1	0.0	-	1	-	-	-	-	1	7,462	-	-
Improperly loaded car	22	0.6	-	21	-	1	16	4	2	3,432,930	-	-
Improperly loaded contain/trail on car	-	-	-	-	-	-	-	-	-	35,000	-	-
Miscellaneous loading procedures	2	0.1	-	2	-	-	1	1	-	153,439	-	-
Hwy user impairment-drug/alcohol use	1	0.0	-	-	1	-	1	-	-	8,000	-	-
Highway user inattentiveness	98	2.8	-	-	98	-	91	3	4	6,300,719	28	54
Hwy user misjudgement	32	0.9	-	-	32	-	30	1	1	1,597,034	2	27
Highway user cited for violation	48	1.4	-	-	48	-	48	-	-	1,726,425	3	35
Hwy user unaware,environmental factor	2	0.1	-	-	2	-	2	-	-	115,000	-	2
Highway user unable to stop, weather	1	0.0	-	-	1	-	1	-	-	24,361	-	-
Malf.,improper op. of trn act. warning	1	0.0	-	-	1	-	1	-	-	22,751	1	2
Highway user deliberately disregarded crossing warning devices	17	0.5	-	-	17	-	17	-	-	1,118,579	7	28
Other causes (highway-rail collisions)	40	1.2	-	-	40	-	39	1	-	1,172,003	8	21
Emergency brke appl. to avoid accident	1	0.0	-	1	-	-	-	-	1	27,594	-	-
Object/equipment (mtr veh) on track	22	0.6	-	-	-	22	19	3	-	13,628,362	15	73
Livestock on track	3	0.1	-	1	-	2	3	-	-	67,730	-	-
Obj/equip on/fouling track, other	32	0.9	-	8	-	24	20	11	1	2,352,583	1	13
Harmonic rock off, etc.	92	2.7	-	91	-	1	38	49	5	12,598,702	-	-
Fire, other than vandalism	10	0.3	-	-	-	10	7	3	-	1,843,601	-	1
Auto hump retarder failed to slow car	17	0.5	-	4	-	13	-	17	-	542,541	-	-
Yard skate slid and failed to stop car	19	0.5	6	1	-	12	-	19	-	484,049	-	-
Lading chains/straps fouling switches	14	0.4	-	11	-	3	1	13	-	352,735	-	1
Lading chains or straps fouling wheels	1	0.0	-	1	-	-	-	1	-	16,500	-	-
Passed couplers (automated classification yard)	54	1.6	2	29	-	23	-	54	-	988,223	-	-
Interference(not vandals)with RR op.	16	0.5	3	7	-	6	1	5	10	377,730	-	1
Vandalism of on-track equipment	14	0.4	2	5	-	7	6	7	1	1,071,520	-	1
Vandalism of track or track appliances	20	0.6	1	19	-	-	2	13	5	1,291,090	-	-
Fail by non-rr empto control spd of car	16	0.5	-	13	-	3	3	2	11	918,549	-	-
Cause under investigation	6	0.2	1	4	-	1	3	2	1	1,933,830	1	4
Track damage caused by non-railroad interference with track structure	5	0.1	-	4	-	1	3	1	1	819,306	-	-
Investigation complete, cause could not be determined	14	0.4	1	5	-	8	5	9	-	1,556,442	-	-
Other miscellaneous causes	25	0.7	-	18	-	7	4	18	3	934,619	-	-
<b>Total</b>	<b>712</b>	<b>20.6</b>	<b>18</b>	<b>296</b>	<b>240</b>	<b>158</b>	<b>393</b>	<b>255</b>	<b>64</b>	<b>69,435,687</b>	<b>66</b>	<b>299</b>

TABLE 5-10 TRAIN ACCIDENTS BY TYPE TRACK AND CLASS, 2005

Track & Class		Total		Type of Accident				Reportable Damage	Casualties		Causes					
		Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk
Main	1	170	4.9	6	148	3	13	19,400,666	2	159	18	3	41	16	2	90
	2	209	6.0	12	157	15	25	34,334,359	3	25	27	15	41	32	-	94
	3	241	7.0	18	143	35	45	54,324,943	9	39	46	35	52	35	1	72
	4	429	12.4	22	208	131	68	115,846,138	40	287	106	131	64	56	1	71
	5	123	3.6	9	49	44	21	30,672,944	15	43	20	44	21	20	1	17
	6	16	0.5	1	1	1	13	574,614	3	3	9	1	1	1	1	3
	?	11	0.3	-	-	-	11	446,798	-	-	5	-	-	1	-	5
	X	48	1.4	1	43	1	3	6,142,586	-	4	3	1	5	2	-	37
	-Sub	1,247	36.0	69	749	230	199	261,743,048	72	560	234	230	225	163	6	389
Yard	1	1,621	46.8	168	1,075	3	375	55,350,581	-	33	96	3	796	223	48	455
	2	97	2.8	5	57	1	34	3,756,526	-	1	8	1	48	15	4	21
	3	11	0.3	1	7	-	3	238,685	-	-	1	-	5	2	-	3
	4	1	0.0	-	-	-	1	140,100	-	1	-	-	1	-	-	-
	5	1	0.0	-	-	-	1	9,539	-	-	-	-	-	-	1	-
	X	54	1.6	7	37	1	9	1,457,009	-	-	1	1	24	10	1	17
	-Sub	1,785	51.5	181	1,176	5	423	60,952,440	-	35	106	5	874	250	54	496
Siding	1	65	1.9	5	51	-	9	4,009,530	1	8	8	-	26	5	-	26
	2	26	0.8	1	21	-	4	3,919,257	-	1	4	-	11	5	-	6
	3	15	0.4	1	13	1	-	2,461,677	-	-	1	1	4	3	-	6
	4	1	0.0	-	1	-	-	224,454	-	-	-	-	-	-	-	1
	5	3	0.1	-	3	-	-	310,763	-	1	2	-	-	-	-	1
	X	9	0.3	1	7	-	1	277,290	-	-	-	-	3	1	-	5
	-Sub	119	3.4	8	96	1	14	11,202,971	1	10	15	1	44	14	-	45
Industry	1	267	7.7	10	220	3	34	12,754,745	9	298	8	3	93	42	2	119
	2	11	0.3	1	9	-	1	424,131	-	-	1	-	5	1	-	4
	3	3	0.1	-	3	-	-	126,554	-	-	-	-	-	-	-	3
	4	1	0.0	-	1	-	-	104,504	-	-	-	-	1	-	-	-
	X	29	0.8	-	25	1	3	505,083	-	-	1	1	7	2	1	17
	-Sub	311	9.0	11	258	4	38	13,915,017	9	298	10	4	106	45	3	143
Other	?	1	0.0	-	1	-	-	13,169	-	-	-	-	-	-	-	1
	-Sub	1	0.0	-	1	-	-	13,169	-	-	-	-	-	-	-	1
<b>Total</b>		<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>

TABLE 5-11 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST SPEED, 2005

Track - Spd Rng	Total		Type of Accident				Reportable	Casualties		Causes						
	Cnt	%	Coll	Der	HRC	Othr	Amount	Kld	Nonfatal	Eqp	HRC	Hmn	Othr	Sig	Trk	
Main	?	28	0.8	-	6	2	20	1,210,163	-	3	7	2	6	8	-	5
	1 - 9	254	7.3	18	203	10	23	17,386,044	1	15	29	10	84	25	1	105
	10-19	256	7.4	21	195	12	28	35,704,231	3	25	28	12	70	33	2	111
	20-29	213	6.2	15	149	26	23	48,236,917	2	32	48	26	34	37	-	68
	30-39	147	4.2	8	75	43	21	38,590,622	2	46	38	43	20	13	2	31
	40-49	158	4.6	2	85	57	14	48,650,438	8	71	52	57	6	11	-	32
	50-59	74	2.1	4	27	33	10	31,645,923	17	20	16	33	3	9	1	12
	60-69	52	1.5	1	6	22	23	15,346,406	12	245	3	22	1	14	-	12
	>= 70	65	1.9	-	3	25	37	24,972,304	27	103	13	25	1	13	-	13
-Sub	1,247	36.0	69	749	230	199	261,743,048	72	560	234	230	225	163	6	389	
Yard	?	34	1.0	3	13	-	18	1,872,694	-	-	3	-	7	19	1	4
	1 - 9	1,561	45.1	160	1,049	4	348	49,637,653	-	27	95	4	783	198	42	439
	10-19	183	5.3	17	110	-	56	9,003,737	-	6	8	-	81	32	11	51
	20-29	6	0.2	1	4	1	-	298,256	-	1	-	1	2	1	-	2
	40-49	1	0.0	-	-	-	1	140,100	-	1	-	-	1	-	-	-
	-Sub	1,785	51.5	181	1,176	5	423	60,952,440	-	35	106	5	874	250	54	496
Siding	?	5	0.1	-	3	-	2	1,157,195	-	-	-	-	-	5	-	-
	1 - 9	67	1.9	4	59	1	3	2,422,657	-	-	6	1	23	5	-	32
	10-19	32	0.9	3	24	-	5	2,372,353	-	-	6	-	17	-	-	9
	20-29	14	0.4	-	10	-	4	3,516,432	-	6	3	-	4	3	-	4
	30-39	1	0.0	1	-	-	-	1,734,334	1	4	-	-	-	1	-	-
	-Sub	119	3.4	8	96	1	14	11,202,971	1	10	15	1	44	14	-	45
Industry	?	3	0.1	-	3	-	-	38,604	-	-	-	-	1	1	-	1
	1 - 9	284	8.2	10	235	4	35	9,532,202	-	5	9	4	97	38	3	133
	10-19	21	0.6	1	18	-	2	1,721,309	-	-	1	-	5	6	-	9
	20-29	1	0.0	-	1	-	-	185,000	-	1	-	-	1	-	-	-
	40-49	2	0.1	-	1	-	1	2,437,902	9	292	-	-	2	-	-	-
	-Sub	311	9.0	11	258	4	38	13,915,017	9	298	10	4	106	45	3	143
Other	1 - 9	1	0.0	-	1	-	-	13,169	-	-	-	-	-	-	-	1
	-Sub	1	0.0	-	1	-	-	13,169	-	-	-	-	-	-	-	1
<b>Total</b>		3,463	100	269	2,280	240	674	347,826,645	82	903	365	240	1,249	472	63	1,074



TABLE 5-12 TRAIN ACCIDENTS BY WEATHER CONDITION, 2005

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	85	2.5	5	62	1	17	11,088,753	1	4	12	1	32	18	-	22
	Cloudy	34	1.0	3	23	2	6	3,798,941	-	-	-	2	9	6	2	15
	Rain	9	0.3	-	4	1	4	422,826	-	1	1	1	-	2	1	4
	Fog	7	0.2	1	2	2	2	429,299	-	-	1	2	3	1	-	-
	Sleet	1	0.0	-	1	-	-	97,912	-	-	1	-	-	-	-	-
	Snow	1	0.0	-	1	-	-	15,500	-	-	-	-	-	-	-	-
	-- Sub	137	4.0	9	93	6	29	15,853,231	1	5	15	6	44	27	3	42
Day	Clear	1,226	35.4	82	776	135	233	129,012,942	36	307	135	135	415	144	22	375
	Cloudy	358	10.3	24	236	35	63	25,886,328	8	27	38	35	103	53	4	125
	Rain	95	2.7	4	60	11	20	8,198,554	1	46	16	11	25	15	3	25
	Fog	13	0.4	2	6	1	4	1,082,068	1	4	-	1	7	1	-	4
	Sleet	2	0.1	1	-	-	1	51,900	-	-	-	-	1	-	-	1
	Snow	27	0.8	2	21	1	3	1,189,155	1	1	1	1	7	9	-	9
	-- Sub	1,721	49.7	115	1,099	183	324	165,420,947	47	385	190	183	558	222	29	539
Dusk	Clear	93	2.7	8	60	8	17	6,468,163	2	9	4	8	36	11	2	32
	Cloudy	29	0.8	2	17	-	10	1,332,984	-	-	10	-	11	1	-	7
	Rain	10	0.3	2	6	-	2	621,621	-	-	-	-	3	3	-	4
	Fog	2	0.1	-	2	-	-	97,481	-	-	-	-	1	-	-	1
	Sleet	2	0.1	1	1	-	-	30,298	-	-	-	-	1	1	-	-
	Snow	2	0.1	-	2	-	-	214,486	-	-	-	-	-	1	-	1
	-- Sub	138	4.0	13	88	8	29	8,765,033	2	9	14	8	52	17	2	45
Dark	Clear	871	25.2	77	592	23	179	93,492,290	18	349	84	23	377	115	19	253
	Cloudy	384	11.1	31	268	13	72	33,695,624	2	72	40	13	147	49	9	126
	Rain	135	3.9	14	87	4	30	21,683,144	11	72	11	4	41	33	1	45
	Fog	33	1.0	7	22	1	3	4,879,078	-	8	4	1	16	5	-	7
	Sleet	7	0.2	-	3	2	2	443,492	1	-	1	2	1	2	-	1
	Snow	37	1.1	3	28	-	6	3,593,806	-	3	6	-	13	2	-	16
	-- Sub	1,467	42.4	132	1,000	43	292	157,787,434	32	504	146	43	595	206	29	448
<b>Total</b>	<b>3,463</b>	<b>100</b>	<b>269</b>	<b>2,280</b>	<b>240</b>	<b>674</b>	<b>347,826,645</b>	<b>82</b>	<b>903</b>	<b>365</b>	<b>240</b>	<b>1,249</b>	<b>472</b>	<b>63</b>	<b>1,074</b>	



TABLE 5-13 TRAIN ACCIDENTS BY CONSIST LENGTH, 2005

Length	Consists		Type of Accident				Equipment Damage		Causes					
	Cnt	%	Coll	Der	HRC	Othr	Amount	%	Eqp	HRC	Hmn	Othr	Sig	Trk
???	1	0.0	-	-	1	-	38,686	0.0	-	1	-	-	-	-
1	276	6.7	58	60	11	147	4,948,769	2.1	11	11	178	50	15	11
2-5	461	11.1	74	164	25	198	21,157,124	9.2	16	25	261	80	27	52
6-10	352	8.5	25	131	38	158	13,433,135	5.8	31	38	142	51	4	86
11-15	241	5.8	29	131	18	63	6,643,689	2.9	14	18	93	41	3	72
16-20	181	4.4	20	108	5	48	2,414,688	1.0	11	5	93	20	3	49
21-25	184	4.4	29	104	6	45	3,960,478	1.7	7	6	98	18	3	52
26-30	188	4.5	22	130	4	32	4,705,730	2.0	13	4	85	24	8	54
31-35	193	4.7	29	122	7	35	3,905,348	1.7	11	7	87	25	4	59
36-40	149	3.6	12	102	6	29	4,216,063	1.8	8	6	60	19	5	51
41-45	176	4.3	23	108	4	41	5,846,104	2.5	15	4	84	26	1	46
46-50	132	3.2	20	81	8	23	3,053,529	1.3	11	8	60	15	2	36
51-60	237	5.7	32	167	11	27	12,541,178	5.4	25	11	94	22	1	84
61-70	224	5.4	27	155	17	25	14,090,528	6.1	17	17	74	32	3	81
71-80	214	5.2	30	147	18	19	14,623,178	6.3	23	18	72	29	1	71
81-90	180	4.3	15	139	11	15	16,976,503	7.3	38	11	49	19	2	61
91-100	188	4.5	23	132	13	20	13,904,084	6.0	32	13	61	21	4	57
101-110	185	4.5	17	137	15	16	26,233,474	11.4	27	15	46	26	2	69
111-120	156	3.8	16	123	6	11	19,575,937	8.5	32	6	40	14	1	63
121-130	99	2.4	11	70	8	10	11,021,490	4.8	17	8	33	12	3	26
131-140	74	1.8	7	55	7	5	16,630,299	7.2	10	7	19	10	-	28
141-150	22	0.5	2	13	2	5	10,030,512	4.3	2	2	8	4	-	6
>= 151	25	0.6	2	21	-	2	1,086,705	0.5	7	-	6	3	-	9
<b>Total</b>	<b>4,138</b>	<b>100</b>	<b>523</b>	<b>2,400</b>	<b>241</b>	<b>974</b>	<b>231,037,231</b>	<b>100.0</b>	<b>378</b>	<b>241</b>	<b>1,743</b>	<b>561</b>	<b>92</b>	<b>1,123</b>

TABLE 5-14 TRAIN ACCIDENTS BY TYPE TRACK AND CONSIST, 2005

Track	- Equipment	Consists			Type of Accident					Primary Cause				
		Cnt	%	Avg Len.	Coll	Der	HRC	Othr	Eqp	HRC	Hmn	Othr	Sig	Trk
Main	Freight Train	1,001	24.2	78	50	648	152	54	188	152	151	100	4	309
	Psgr Train	134	3.2	8	-	11	19	71	21	19	4	25	2	30
	Commuter Train	43	1.0	7	2	1	13	17	5	13	1	7	-	7
	Work Train	8	0.2	16	-	7	1	-	-	1	1	4	-	2
	Single Car	9	0.2	1	-	2	-	5	1	-	3	1	-	2
	Cut of Cars	29	0.7	28	2	6	1	5	1	1	8	3	-	1
	Yard/ Switch	47	1.1	48	4	25	2	3	2	2	18	1	-	11
	Light loco(s)	30	0.7	2	3	5	5	8	3	5	10	-	-	3
	Maint/ Insp car	30	0.7	1	5	3	4	8	-	4	10	6	-	-
	Spec MOW Eqp	19	0.5	1	2	2	5	4	1	5	6	1	-	-
-Sub total	1,350	32.6	61	68	710	202	175	222	202	212	148	6	365	
Yard	Freight Train	466	11.3	65	26	328	2	37	19	2	159	37	-	176
	Psgr Train	10	0.2	9	-	3	-	7	1	-	5	1	-	3
	Commuter Train	5	0.1	7	-	4	-	1	-	-	4	-	-	1
	Work Train	9	0.2	30	-	4	-	3	1	-	2	2	-	2
	Single Car	147	3.6	1	13	14	-	55	4	-	44	24	8	2
	Cut of Cars	264	6.4	23	17	43	-	79	4	-	77	33	12	13
	Yard/ Switch	1,247	30.1	39	102	684	2	209	68	2	489	142	32	264
	Light loco(s)	162	3.9	2	21	58	1	26	5	1	77	8	2	13
	Maint/ Insp car	3	0.1	1	-	-	-	2	-	-	1	1	-	-
	-Sub total	2,313	55.9	37	179	1,138	5	419	102	5	858	248	54	474
Siding	Freight Train	90	2.2	67	5	68	-	8	15	-	25	8	-	33
	Psgr Train	1	0.0	9	-	1	-	-	-	-	-	-	-	1
	Work Train	5	0.1	35	1	4	-	-	-	-	2	-	-	3
	Single Car	2	0.0	1	-	1	-	-	-	-	1	-	-	-
	Cut of Cars	11	0.3	31	1	3	-	3	-	-	4	3	-	-
	Yard/ Switch	20	0.5	41	1	14	1	1	-	1	8	3	-	5
	Light loco(s)	4	0.1	3	-	1	-	2	-	-	3	-	-	-
	-Sub total	133	3.2	56	8	92	1	14	15	1	43	14	-	42
Industry	Freight Train	138	3.3	56	1	110	1	14	5	1	37	22	-	61
	Work Train	2	0.0	28	-	2	-	-	1	-	1	-	-	-
	Single Car	6	0.1	1	-	2	-	2	1	-	3	-	-	-
	Cut of Cars	23	0.6	19	4	6	-	4	-	-	11	3	-	-
	Yard/ Switch	165	4.0	35	5	131	2	17	3	2	52	16	3	79
	Light loco(s)	7	0.2	2	1	3	-	1	-	-	1	3	-	1
	-Sub total	341	8.2	41	11	254	3	38	10	3	105	44	3	141
Other	Yard/ Switch	1	0.0	56	-	1	-	-	-	-	-	-	-	1
	-Sub total	1	0.0	56	-	1	-	-	-	-	-	-	-	1
<b>Total</b>		<b>4,138</b>	<b>100</b>	<b>46</b>	<b>266</b>	<b>2,195</b>	<b>211</b>	<b>646</b>	<b>349</b>	<b>211</b>	<b>1,218</b>	<b>454</b>	<b>63</b>	<b>1,023</b>

TABLE 5-15 TRAIN ACCIDENTS BY CONSIST LENGTH AND TYPE CONSIST, 2005

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	-	1	-	-	162	-	1	63	31	18
2-5	23	27	16	7	1	108	144	132	2	1
6-10	51	88	27	2	-	41	136	7	-	-
11-15	60	26	5	3	-	20	127	-	-	-
16-20	42	3	-	1	1	24	110	-	-	-
21-25	51	-	-	2	-	22	109	-	-	-
26-30	60	-	-	-	-	18	110	-	-	-
31-35	61	-	-	1	-	17	114	-	-	-
36-40	64	-	-	-	-	8	77	-	-	-
41-45	72	-	-	1	-	14	89	-	-	-
46-50	62	-	-	3	-	12	55	-	-	-
51-60	130	-	-	1	-	13	93	-	-	-
61-70	152	-	-	1	-	9	62	-	-	-
71-80	145	-	-	2	-	4	63	-	-	-
81-90	130	-	-	-	-	4	46	-	-	-
91-100	140	-	-	-	-	5	43	-	-	-
101-110	151	-	-	-	-	3	31	-	-	-
111-120	117	-	-	-	-	4	35	-	-	-
121-130	84	-	-	-	-	1	14	-	-	-
131-140	63	-	-	-	-	-	11	-	-	-
141-150	17	-	-	-	-	-	5	-	-	-
>= 151	20	-	-	-	-	-	5	-	-	-
<b>Total</b>	1,695	145	48	24	164	327	1,480	203	33	19

TABLE 5-16 INVOLVEMENT IN TRAIN ACCIDENTS BY TYPE CONSIST, 2005

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	1,642	42.1	115	1,227	164	136	964	455	86	137	-	235	164	438	177	4	624
Psgr Train	144	3.7	1	15	39	89	133	10	1	-	-	25	39	9	35	2	34
Commuter Train	47	1.2	2	5	13	27	42	5	-	-	-	10	13	5	7	-	12
Work Train	24	0.6	2	17	1	4	8	9	5	2	-	2	1	8	6	-	7
Single Car	148	3.8	23	34	-	91	9	131	2	6	-	7	-	89	34	11	7
Cut of Cars	300	7.7	45	94	1	160	27	240	11	22	-	9	1	184	63	15	28
Yard/ Switch	1,364	35.0	145	905	7	307	44	1,138	20	161	1	77	7	676	179	41	384
Light loco(s)	183	4.7	44	74	7	58	29	143	4	7	-	9	7	133	13	3	18
Maint/ Insp car	27	0.7	7	3	4	13	24	3	-	-	-	-	4	16	7	-	-
Spec MOW Eqp	18	0.5	6	3	5	4	18	-	-	-	-	1	5	10	1	-	1
<b>Total</b>	3,897	100	390	2,377	241	889	1,298	2,134	129	335	1	375	241	1,568	522	76	1,115

TABLE 5-17 DAMAGE BY TRACK TYPE, 2005

Track	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Main	261,743,048	171,522	173,551,124	113,729	88,191,924	57,793
Yard	60,952,440	25,418	40,295,697	16,804	20,656,743	8,614
Siding	11,202,971	78,894	7,312,639	51,497	3,890,332	27,397
Industry	13,915,017	39,531	9,897,302	28,117	4,017,715	11,414
Other	13,169	13,169	13,169	13,169	0	0
<b>Total</b>	<b>347,826,645</b>	<b>78,712</b>	<b>231,069,931</b>	<b>52,290</b>	<b>116,756,714</b>	<b>26,422</b>

TABLE 5-18 DAMAGE BY CONSIST TYPE, 2005

Type Equipment	Total Damage		Equip Damage		Track Damage	
	Amount	Avg	Amount	Avg	Amount	Avg
Freight Train	242,154,647	142,864	163,797,032	96,635	78,357,615	46,229
Psgr Train	8,585,782	59,212	8,347,893	57,572	237,889	1,641
Commuter Train	21,799,958	454,166	18,436,154	384,087	3,363,804	70,079
Work Train	1,032,936	43,039	715,821	29,826	317,115	13,213
Single Car	1,891,738	11,535	1,494,264	9,111	397,474	2,424
Cut of Cars	5,598,248	17,120	5,123,477	15,668	474,771	1,452
Yard/ Switch	42,533,133	28,739	26,692,695	18,036	15,840,438	10,703
Light loco(s)	4,542,814	22,378	3,530,971	17,394	1,011,843	4,984
Maint/ Insp car	1,384,524	41,955	1,337,024	40,516	47,500	1,439
Spec MOW Eqp	1,703,468	89,656	1,561,900	82,205	141,568	7,451
Other	16,599,397	59,073	32,700	116	16,566,697	58,956
<b>Total</b>	<b>347,826,645</b>	<b>78,712</b>	<b>231,069,931</b>	<b>52,290</b>	<b>116,756,714</b>	<b>26,422</b>

## CHAPTER 6

### TRAIN ACCIDENTS INVOLVING CONSISTS TRANSPORTING HAZARDOUS MATERIAL

Hazardous Material is any substance or material, including a hazardous substance, which has 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 has been so designated.

An incident resulting in damage to cars transporting hazardous material, or causing a release of the hazardous material, 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. In 1998 the threshold was \$6,600, and in 2005 it was \$6,700.

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

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

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TABLE 6-1 CONSISTS TRANSPORTING HAZMAT, BY RAILROAD, 2005

Railroad	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alton & Southern	2	1	-	47	7	6	-	-	-
Alaska RR Corp.	2	1	-	105	86	7	-	-	-
Burlington Northern Santa Fe Belt Rwy Of Chicago	312	128	10	18,117	2,944	266	17	1	6
Canadian National	21	15	2	1,632	205	35	3	2	150
Canadian Pacific	5	3	-	289	66	14	-	-	-
Conrail Shared Assets	4	2	-	127	9	4	-	-	-
CSX Transportation	151	53	5	8,740	1,188	112	5	-	-
Dakota,Minnesota & Eastern	16	3	-	1,227	154	5	-	-	-
Florida East Coast	3	-	-	151	24	-	-	-	-
Guilford Rail System	5	5	-	194	10	5	-	-	-
Indiana Harbor Belt	4	1	-	224	10	1	-	-	-
Kansas City Southern	50	21	-	2,974	440	54	-	-	-
Montreal, Maine & Atlantic	3	1	1	120	14	2	1	-	-
Montana Rail Link	7	2	-	289	116	5	-	-	-
Northeast IL Reg Comm	-	-	-	-	0	0	0	-	369
Norfolk Southern Corp.	57	22	3	3,514	443	66	3	4	5,573
Port Terminal RR Assn	1	-	-	33	15	-	-	-	-
Union Pacific	216	95	12	13,369	2,450	252	17	5	1,932
Wheeling & Lake Erie	3	1	1	91	14	1	1	-	-
Wisconsin & Southern RR	2	-	-	122	10	-	-	-	-
Other Railroads	53	30	3	2,036	390	71	3	2	75
<b>Total</b>	<b>918</b>	<b>384</b>	<b>37</b>	<b>53,402</b>	<b>8,596</b>	<b>906</b>	<b>50</b>	<b>14</b>	<b>8,105</b>

TABLE 6-2 CONSISTS TRANSPORTING HAZMAT, BY STATE, 2005

States	Hazmat Consists			Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing		Cnt	Damaged	Releasing	Cnt	People
Alabama	20	6	-	1,595	174	15	-	1	25
Alaska	2	1	-	105	86	7	-	-	-
Arizona	18	6	-	1,022	127	8	-	-	-
Arkansas	33	12	3	1,708	282	40	7	1	1,012
California	36	18	2	1,916	333	35	2	1	200
Colorado	17	14	-	643	147	25	-	-	-
Connecticut	1	1	-	21	2	1	-	-	-
Delaware	2	2	-	58	12	11	-	-	-
Florida	13	4	1	647	140	14	1	-	-
Georgia	20	6	-	1,140	164	15	-	-	-
Idaho	6	-	-	472	24	-	-	-	-
Illinois	60	22	3	3,419	434	60	3	1	444
Indiana	15	9	-	1,105	73	14	-	-	-
Iowa	22	6	-	1,325	182	15	-	-	-
Kansas	31	13	1	1,513	242	24	1	1	50
Kentucky	8	3	-	340	67	4	-	-	-
Louisiana	42	18	1	2,475	554	52	1	-	-
Maine	5	3	1	191	20	4	1	-	-
Maryland	6	4	-	377	49	12	-	-	-
Massachusetts	3	2	-	170	4	2	-	-	-
Michigan	8	4	-	550	52	9	-	-	-
Minnesota	29	10	-	1,885	268	24	-	-	-
Mississippi	25	13	1	1,563	271	37	2	1	50
Missouri	24	10	1	1,686	157	20	2	1	6
Montana	14	4	-	687	154	12	-	-	-
Nebraska	27	14	-	1,701	297	21	-	-	-
Nevada	3	3	-	175	65	8	-	-	-
New Hampshire	1	-	-	85	10	-	-	-	-
New Jersey	6	2	-	330	71	4	-	-	-
New Mexico	30	17	1	1,735	331	38	3	-	-
New York	28	15	3	1,506	211	32	3	-	-
North Carolina	16	3	-	919	115	3	-	-	-
North Dakota	10	4	-	619	87	11	-	-	-
Ohio	29	9	1	1,517	192	25	1	-	-
Oklahoma	21	9	2	1,451	156	18	3	-	-
Oregon	9	7	1	418	46	18	2	-	-
Pennsylvania	22	8	1	1,331	219	20	1	1	250
South Carolina	12	2	1	541	64	6	1	2	5,248
South Dakota	2	-	-	165	12	-	-	-	-
Tennessee	25	6	1	1,530	169	9	1	-	-
Texas	157	67	9	9,199	2,057	188	11	2	600
Utah	4	3	1	176	35	12	1	-	-
Vermont	2	-	-	127	26	-	-	-	-
Virginia	2	1	-	94	3	2	-	-	-
Washington	30	13	1	1,702	242	14	1	-	-
West Virginia	2	2	-	215	16	2	-	-	-
Wisconsin	10	3	-	563	59	3	-	2	220
Wyoming	10	5	1	690	95	12	2	-	-
<b>Total</b>	<b>918</b>	<b>384</b>	<b>37</b>	<b>53,402</b>	<b>8,596</b>	<b>906</b>	<b>50</b>	<b>14</b>	<b>8,105</b>



TABLE 6-3 CONSISTS TRANSPORTING HAZMAT, BY SUBCAUSE, 2005

Causes	Hazmat Consists				Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing			Cnt	Damaged	Releasing	Cnt	People
Brakes	8	3	-	485	40	4	-	1	48	
Body	8	2	1	823	107	2	1	-	-	
Coupler & Draft System	21	12	-	1,594	248	12	-	1	120	
Truck Components	19	8	1	1,252	240	21	2	-	-	
Axles & Journal Bearings	15	3	2	1,175	121	9	2	-	-	
Wheels	19	5	-	1,553	258	12	-	-	-	
Locomotives	1	-	-	97	6	-	-	-	-	
Doors	1	-	-	66	16	-	-	-	-	
Brakes, Use of	46	27	1	1,264	308	40	1	-	-	
Employee Physical Condition	4	2	-	436	91	6	-	-	-	
Flagging, Fixed, Hand & Radio	19	6	2	1,305	201	18	3	2	125	
General Switching Rules	152	67	3	6,448	1,202	125	3	-	-	
Main Track Authority	5	2	-	290	26	5	-	-	-	
Train Handling/Makeup	49	18	4	3,951	465	47	4	-	-	
Speed	49	16	1	2,597	516	34	1	1	1,012	
Switches, Use of	74	35	2	3,853	612	73	3	2	5,206	
Miscellaneous Human Factors	6	2	-	441	42	2	-	-	-	
Environmental Conditions	5	2	-	246	44	3	-	-	-	
Loading Procedures	8	2	1	601	51	5	2	-	-	
Highway-Rail Incidents	62	5	-	4,244	670	9	0	1	469	
Unusual Operational Situations	60	26	2	3,262	531	53	3	-	-	
Other Miscellaneous Causes	18	10	2	1,002	224	26	3	1	500	
Signal Defects	22	16	-	659	81	31	-	-	-	
Roadbed	8	2	-	525	129	10	-	-	-	
Track Geometry	105	53	4	6,267	1,148	189	7	3	325	
Rail, Joint Bar & Anchors	94	46	11	6,432	861	138	15	2	300	
Frogs, Switches, Appliances	40	14	-	2,534	358	32	-	-	-	
<b>Total</b>	<b>918</b>	<b>384</b>	<b>37</b>	<b>53,402</b>	<b>8,596</b>	<b>906</b>	<b>50</b>	<b>14</b>	<b>8,105</b>	

TABLE 6-4 CONSISTS TRANSPORTING HAZMAT, BY ACCIDENT TYPE, 2005

Type Accident	Hazmat Consists				Total Cars In Consist	Hazmat Cars			Evacuations	
	Cnt	Damaged	Releasing			Cnt	Damaged	Releasing	Cnt	People
Derailments	555	253	30	35,153	5,282	652	42	8	799	
Head on collision	10	4	2	754	138	22	3	2	550	
Rear end collision	17	4	1	1,149	193	15	1	1	1,012	
Side collision	80	27	1	4,033	738	52	1	1	75	
Raking collision	18	5	-	1,167	202	7	-	-	-	
Broken train coll.	1	-	-	79	17	-	-	-	-	
Highway-rail Impact	62	5	-	4,244	670	9	0	1	469	
Obstruction impact	8	1	-	468	82	2	-	-	-	
Other impacts	149	78	1	5,417	1,069	135	1	-	-	
Other events	18	7	2	938	205	12	2	1	5,200	
<b>Total</b>	<b>918</b>	<b>384</b>	<b>37</b>	<b>53,402</b>	<b>8,596</b>	<b>906</b>	<b>50</b>	<b>14</b>	<b>8,105</b>	

## CHAPTER 7

### HIGHWAY-RAIL 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 F 6180.57. 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 F 6180.54 must be completed. The reporting threshold for accidents for 1998 was \$6,600, and in 2005 it was \$6,700.

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 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 F 6180.55a, e.g., the engineer sustained a fractured arm. Likewise, if the event caused reportable damage above the current monetary threshold for Rail Equipment Accidents/Incidents, a Form FRA F 6180.54 must be prepared. In these situations, the type of accident is coded as an "Obstruction".

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 crossing impact must also be reported on Form FRA F 6180.55a.

If the accident/incident satisfies the reporting requirements for rail equipment accidents (e.g., reportable railroad damage exceeds threshold), Form FRA F 6180.54 must also be completed by all railroads involved, including the railroad with track maintenance responsibility.

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**CHAPTER 7**

**HIGHWAY-RAIL INCIDENTS**

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TABLE 7-1 TOTAL HIGHWAY-RAIL INCIDENTS BY RAILROAD, 2005

Railroads	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
Alton & Southern	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
Alaska RR Corp.	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Amtrak	130	45	82	90	31	63	18	11	5	21	2	13	1	1	1
Burlington Northern Santa Fe	456	70	231	350	46	187	28	16	10	76	6	34	2	2	-
Belt Rwy Of Chicago	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Canadian National	179	11	45	157	10	39	2	1	1	20	-	5	-	-	-
Canadian Pacific	37	10	8	24	7	4	3	1	2	10	2	2	-	-	-
Conrail Shared Assets	32	-	6	31	-	6	-	-	-	1	-	-	-	-	-
CSX Transportation	507	47	90	428	35	74	18	7	7	59	4	9	2	1	-
Dakota,Minnesota & Eastern	29	2	21	26	2	20	1	-	1	2	-	-	-	-	-
Elgin, Joliet & Eastern	9	1	2	4	1	2	-	-	-	5	-	-	-	-	-
Florida East Coast	29	10	2	18	4	2	11	6	-	-	-	-	-	-	-
Indiana Harbor Belt	11	1	-	10	-	-	1	1	-	-	-	-	-	-	-
Kansas City Southern	108	7	37	100	7	35	-	-	-	8	-	2	-	-	-
Long Island Rail Road	14	8	4	5	-	3	9	8	1	-	-	-	-	-	-
Mass Bay Transit Auth.	4	1	3	3	1	2	-	-	-	1	-	1	-	-	-
Montreal, Maine & Atlantic	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Metro North Commuter	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-
Montana Rail Link	7	-	1	4	-	1	-	-	-	3	-	-	-	-	-
Northern IN Comm Trans	8	-	1	8	-	1	-	-	-	-	-	-	-	-	-
Northeast IL Reg Comm	22	8	28	16	3	27	6	5	1	-	-	-	-	-	-
New Jersey Transit Rail	7	1	-	6	1	-	1	-	-	-	-	-	-	-	-
Norfolk Southern Corp.	492	55	110	395	46	81	19	7	12	78	2	17	-	-	-
Paducah & Louisville	3	-	-	2	-	-	-	-	-	1	-	-	-	-	-
Peninsula Comm San Mateo Cnty	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Port Terminal RR Assn	4	-	1	-	-	-	-	-	-	4	-	1	-	-	-
Southern CA Reg Rail Auth.	17	1	1	14	-	1	3	1	-	-	-	-	-	-	-
Southeastern PA Trans.	3	-	-	2	-	-	1	-	-	-	-	-	-	-	-
Union Pacific	559	63	234	459	46	201	22	8	5	78	9	28	-	-	-
Wheeling & Lake Erie	16	-	9	15	-	8	-	-	-	1	-	1	-	-	-
Wisconsin & Southern RR	7	-	-	7	-	-	-	-	-	-	-	-	-	-	-
Other Railroads	340	16	91	290	15	75	4	-	1	45	1	15	1	-	-
<b>Total</b>	<b>3,040</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

TABLE 7-2 TOTAL HIGHWAY-RAIL INCIDENTS BY STATE, 2005

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	113	16	44	104	13	39	1	2	3	8	1	2	-	-	-
Alaska	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Arizona	39	2	5	32	1	3	2	-	1	5	1	1	-	-	-
Arkansas	72	8	40	59	8	35	1	-	1	11	-	4	1	-	-
California	148	22	58	103	7	42	27	12	8	17	2	7	1	1	1
Colorado	36	6	18	29	4	14	3	2	1	4	-	3	-	-	-
Connecticut	6	3	2	6	3	2	-	-	-	-	-	-	-	-	-
Delaware	8	1	3	6	-	2	2	1	1	-	-	-	-	-	-
Florida	103	17	21	76	8	15	13	8	-	14	1	6	-	-	-
Georgia	129	12	18	108	12	14	3	-	3	18	-	1	-	-	-
Hawaii	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Idaho	23	1	6	20	-	6	1	1	-	2	-	-	-	-	-
Illinois	180	31	82	126	18	70	18	11	5	36	2	7	-	-	-
Indiana	172	21	26	151	18	22	9	3	3	12	-	1	-	-	-
Iowa	77	6	32	67	6	29	3	-	1	7	-	2	-	-	-
Kansas	63	7	32	54	7	29	1	-	-	8	-	3	-	-	-
Kentucky	86	7	26	64	5	20	2	1	1	19	1	5	1	-	-
Louisiana	131	20	44	118	19	38	1	-	1	12	1	5	-	-	-
Maine	5	-	2	4	-	2	-	-	-	1	-	-	-	-	-
Maryland	19	1	1	13	-	1	-	-	-	6	1	-	-	-	-
Massachusetts	11	1	6	9	1	4	1	-	1	1	-	1	-	-	-
Michigan	95	5	13	84	4	11	2	1	1	9	-	1	-	-	-
Minnesota	65	9	28	58	7	27	1	1	-	6	1	1	-	-	-
Mississippi	79	10	30	72	9	25	1	1	-	6	-	5	-	-	-
Missouri	64	17	31	52	15	25	2	1	1	10	1	5	-	-	-
Montana	20	3	4	14	1	4	1	1	-	4	-	-	1	1	-
Nebraska	50	12	22	41	10	20	3	2	-	6	-	2	-	-	-
Nevada	4	1	-	4	1	-	-	-	-	-	-	-	-	-	-
New Hampshire	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-
New Jersey	44	2	11	40	2	11	1	-	-	3	-	-	-	-	-
New Mexico	20	4	7	16	2	4	1	1	-	3	1	3	-	-	-
New York	41	13	10	25	3	7	9	8	1	7	2	2	-	-	-
North Carolina	66	6	34	54	6	30	1	-	1	11	-	3	-	-	-
North Dakota	18	8	4	16	7	3	-	-	-	2	1	1	-	-	-
Ohio	133	8	37	112	5	26	10	2	6	11	1	5	-	-	-
Oklahoma	64	6	34	56	4	32	4	2	-	4	-	2	-	-	-
Oregon	27	1	4	17	-	2	2	1	1	8	-	1	-	-	-
Pennsylvania	80	5	17	66	4	14	2	-	-	12	1	3	-	-	-
Rhode Island	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
South Carolina	75	9	16	68	6	16	4	3	-	3	-	-	-	-	-
South Dakota	18	2	9	16	2	9	-	-	-	2	-	-	-	-	-
Tennessee	78	7	28	65	6	24	2	-	2	11	1	2	-	-	-
Texas	323	23	143	260	15	114	4	1	1	58	6	28	1	1	-
Utah	18	2	7	14	2	6	1	-	-	3	-	1	-	-	-
Vermont	4	-	3	3	-	2	-	-	-	1	-	1	-	-	-
Virginia	50	2	12	27	-	3	-	-	-	22	1	9	1	1	-
Washington	57	6	14	40	4	11	3	2	-	14	-	3	-	-	-
West Virginia	35	1	4	23	1	2	1	-	1	11	-	1	-	-	-
Wisconsin	84	13	20	73	9	18	4	4	1	7	-	1	-	-	-
Wyoming	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>3,040</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

TABLE 7-3 TOTAL HRC CASUALTIES BY STATE AND AGE GROUP, 2005

States	Deaths						Nonfatal Cases					
	Age Group			Total		Age Group			Total			
	Unk	< 16	16-21	> 21	Cnt	%	Unk	< 16	16-21	> 21	Cnt	%
Alabama	2	-	5	9	16	4.5	5	-	6	33	44	4.4
Arizona	-	-	-	2	2	0.6	1	-	-	4	5	0.5
Arkansas	1	-	1	6	8	2.2	3	1	7	29	40	4.0
California	1	2	2	17	22	6.2	6	2	5	45	58	5.7
Colorado	-	1	1	4	6	1.7	1	1	1	15	18	1.8
Connecticut	-	2	-	1	3	0.8	-	-	-	2	2	0.2
Delaware	-	-	-	1	1	0.3	1	-	-	2	3	0.3
Florida	-	2	2	13	17	4.8	5	-	4	12	21	2.1
Georgia	-	-	3	9	12	3.4	2	-	2	14	18	1.8
Idaho	-	-	-	1	1	0.3	-	-	-	6	6	0.6
Illinois	1	1	3	26	31	8.7	10	3	10	59	82	8.1
Indiana	-	-	3	18	21	5.9	4	2	4	16	26	2.6
Iowa	-	-	1	5	6	1.7	1	3	6	22	32	3.2
Kansas	-	-	-	7	7	2.0	2	1	5	24	32	3.2
Kentucky	-	-	3	4	7	2.0	6	-	9	11	26	2.6
Louisiana	-	4	3	13	20	5.6	6	5	6	27	44	4.4
Maine	-	-	-	-	0	0.0	-	-	-	2	2	0.2
Maryland	1	-	-	-	1	0.3	-	-	-	1	1	0.1
Massachusetts	1	-	-	-	1	0.3	1	-	-	5	6	0.6
Michigan	-	-	-	5	5	1.4	6	-	4	3	13	1.3
Minnesota	2	1	4	2	9	2.5	2	3	6	17	28	2.8
Mississippi	-	-	2	8	10	2.8	5	3	5	17	30	3.0
Missouri	-	-	2	15	17	4.8	4	8	2	17	31	3.1
Montana	-	-	-	3	3	0.8	-	-	1	3	4	0.4
Nebraska	-	1	4	7	12	3.4	4	2	5	11	22	2.2
Nevada	-	-	-	1	1	0.3	-	-	-	-	0	0.0
New Jersey	-	-	-	2	2	0.6	4	-	-	7	11	1.1
New Mexico	-	-	-	4	4	1.1	1	-	1	5	7	0.7
New York	3	1	1	8	13	3.6	1	-	1	8	10	1.0
North Carolina	-	-	-	6	6	1.7	1	-	1	32	34	3.4
North Dakota	-	-	2	6	8	2.2	-	-	-	4	4	0.4
Ohio	-	1	2	5	8	2.2	2	3	6	26	37	3.7
Oklahoma	1	-	1	4	6	1.7	6	-	5	23	34	3.4
Oregon	-	-	-	1	1	0.3	1	-	1	2	4	0.4
Pennsylvania	-	-	3	2	5	1.4	4	-	4	9	17	1.7
South Carolina	-	-	2	7	9	2.5	-	2	4	10	16	1.6
South Dakota	-	1	-	1	2	0.6	3	1	-	5	9	0.9
Tennessee	2	-	-	5	7	2.0	3	-	5	20	28	2.8
Texas	-	-	1	22	23	6.4	8	4	18	113	143	14.2
Utah	-	-	-	2	2	0.6	-	1	-	6	7	0.7
Vermont	-	-	-	-	0	0.0	1	-	-	2	3	0.3
Virginia	-	-	-	2	2	0.6	-	2	2	8	12	1.2
Washington	-	-	-	6	6	1.7	1	2	-	11	14	1.4
West Virginia	-	-	-	1	1	0.3	1	1	-	2	4	0.4
Wisconsin	1	1	1	10	13	3.6	2	-	3	15	20	2.0
Wyoming	-	-	-	-	0	0.0	-	-	-	1	1	0.1
<b>Total</b>	16	18	52	271	357	100.0	114	50	139	706	1,009	100.0

TABLE 7-4 TOTAL HIGHWAY-RAIL INCIDENTS BY MONTH, 2005

Railroads	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
January	250	25	79	210	17	61	11	6	4	29	2	14	-	-	-
February	222	29	67	183	20	50	13	7	9	25	1	7	1	1	1
March	253	31	96	206	24	76	10	4	3	37	3	17	-	-	-
April	226	35	67	173	25	59	18	8	4	35	2	4	-	-	-
May	219	27	91	181	22	77	14	5	5	24	-	9	-	-	-
June	233	25	87	184	16	70	12	7	4	37	2	13	-	-	-
July	242	40	94	191	23	74	15	9	2	34	6	18	2	2	-
August	255	28	100	202	23	81	11	4	3	40	-	16	2	1	-
September	245	21	73	205	17	64	9	3	2	30	1	7	1	-	-
October	271	25	78	225	18	65	11	6	5	35	1	8	-	-	-
November	255	34	80	208	27	72	9	4	4	38	3	4	-	-	-
December	369	37	97	304	23	85	14	9	1	51	5	11	-	-	-
<b>Total</b>	<b>3,040</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

TABLE 7-5 TOTAL HIGHWAY-RAIL INCIDENTS BY DAY, 2005

Truck Struck Highway User

Day	Total Incidents		At Public Crossing						At Private Crossing							
	Total		Motor Vehicle			Other			Motor Vehicle			Other				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Sunday	215	7.07	45	71	169	31	55	18	11	8	27	2	8	1	1	-
Monday	332	10.92	39	103	264	30	86	15	5	5	53	4	12	-	-	-
Tuesday	375	12.34	49	117	287	34	100	23	13	2	65	2	15	-	-	-
Wednesday	373	12.27	48	123	284	38	93	18	8	7	70	1	23	1	1	-
Thursday	398	13.09	51	117	312	33	94	22	12	6	62	5	17	2	1	-
Friday	402	13.22	57	133	314	34	99	23	12	6	63	10	27	2	1	1
Saturday	277	9.11	42	95	221	30	73	22	10	9	34	2	13	-	-	-
<b>Total</b>	<b>2,372</b>	<b>78.03</b>	<b>331</b>	<b>759</b>	<b>1,851</b>	<b>230</b>	<b>600</b>	<b>141</b>	<b>71</b>	<b>43</b>	<b>374</b>	<b>26</b>	<b>115</b>	<b>6</b>	<b>4</b>	<b>1</b>

Highway User Struck Rail Equip

Day	Total Incidents		At Public Crossing						At Private Crossing				
	Total		Motor Vehicle			Other			Motor Vehicle				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Sunday	60	1.97	6	30	57	6	28	-	-	-	3	-	2
Monday	98	3.22	5	34	91	5	32	1	-	-	6	-	2
Tuesday	102	3.36	-	45	92	-	42	3	-	2	7	-	1
Wednesday	107	3.52	2	33	102	2	30	1	-	1	4	-	2
Thursday	100	3.29	4	26	90	4	23	-	-	-	10	-	3
Friday	112	3.68	4	39	103	4	37	-	-	-	9	-	2
Saturday	89	2.93	5	43	86	4	42	1	1	-	2	-	1
<b>Total</b>	<b>668</b>	<b>21.97</b>	<b>26</b>	<b>250</b>	<b>621</b>	<b>25</b>	<b>234</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>41</b>	<b>-</b>	<b>13</b>

Grand Total

Day	Total Incidents		At Public Crossing						At Private Crossing							
	Total		Motor Vehicle			Other			Motor Vehicle			Other				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Sunday	275	9.05	51	101	226	37	83	18	11	8	30	2	10	1	1	-
Monday	430	14.14	44	137	355	35	118	16	5	5	59	4	14	-	-	-
Tuesday	477	15.69	49	162	379	34	142	26	13	4	72	2	16	-	-	-
Wednesday	480	15.79	50	156	386	40	123	19	8	8	74	1	25	1	1	-
Thursday	498	16.38	55	143	402	37	117	22	12	6	72	5	20	2	1	-
Friday	514	16.91	61	172	417	38	136	23	12	6	72	10	29	2	1	1
Saturday	366	12.04	47	138	307	34	115	23	11	9	36	2	14	-	-	-
<b>Total</b>	<b>3,040</b>	<b>100.0</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>



TABLE 7-6 TOTAL HIGHWAY-RAIL INCIDENTS BY HOUR OF DAY, 2005

Hour of Day	Total Incidents		At Public Crossing									At Private Crossing						
	Cnt	%	Total		Motor Vehicle			Other			Motor Vehicle			Other				
			Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal		
<b>AM</b>																		
1	110	3.62	11	35	93	9	32	7	1	1	9	-	2	1	1	-	-	-
2	80	2.63	8	25	68	5	24	5	3	1	7	-	-	-	-	-	-	-
3	59	1.94	1	11	52	1	11	1	-	-	6	-	-	-	-	-	-	-
4	55	1.81	4	14	47	1	13	2	2	-	6	1	1	-	-	-	-	-
5	58	1.91	3	14	46	2	9	2	1	1	10	-	4	-	-	-	-	-
6	93	3.06	12	24	74	10	20	2	-	2	16	1	2	1	1	-	-	-
7	140	4.61	21	41	105	14	26	7	3	2	28	4	13	-	-	-	-	-
8	143	4.70	10	46	114	7	39	4	3	-	25	-	7	-	-	-	-	-
9	173	5.69	24	48	140	17	39	5	5	4	28	2	5	-	-	-	-	-
10	180	5.92	25	62	136	17	46	11	7	4	32	1	12	1	-	-	-	-
11	197	6.48	29	65	145	14	53	9	8	1	42	6	11	1	1	-	-	-
12	74	2.43	6	24	66	6	22	4	-	2	4	-	-	-	-	-	-	-
<b>Total</b>	1,362	44.80	154	409	1,086	103	334	59	33	18	213	15	57	4	3	-	-	-
<b>PM</b>																		
1	179	5.89	22	84	137	15	66	11	6	3	31	1	15	-	-	-	-	-
2	180	5.92	24	62	147	19	51	8	4	2	24	-	8	1	1	-	-	1
3	180	5.92	29	54	145	21	44	12	4	4	23	4	6	-	-	-	-	-
4	154	5.07	16	65	128	12	56	6	3	2	20	1	7	-	-	-	-	-
5	171	5.63	15	73	141	10	64	8	4	3	21	1	6	1	-	-	-	-
6	141	4.64	23	51	121	18	44	9	4	3	11	1	4	-	-	-	-	-
7	116	3.82	15	33	94	11	26	5	3	2	17	1	5	-	-	-	-	-
8	89	2.93	9	27	73	4	19	7	5	1	9	-	7	-	-	-	-	-
9	107	3.52	10	28	85	5	22	10	4	4	12	1	2	-	-	-	-	-
10	110	3.62	5	30	100	4	27	3	1	1	7	-	2	-	-	-	-	-
11	90	2.96	10	22	83	10	19	3	-	2	4	-	1	-	-	-	-	-
12	161	5.30	25	71	132	23	62	6	1	1	23	1	8	-	-	-	-	-
<b>Total</b>	1,678	55.20	203	600	1,386	152	500	88	39	28	202	11	71	2	1	-	-	1
<b>Total</b>	3,040	100.0	357	1,009	2,472	255	834	147	72	46	415	26	128	6	4	-	-	1

TABLE 7-7 TOTAL HIGHWAY-RAIL INCIDENTS BY TYPE HIGHWAY USER, 2005

Rail Equip Struck Highway User

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%	Kld	Nonfatal	Motor Vehicle			Other			Motor Vehicle			Other		
					Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	1,032	33.95	123	303	937	114	273	-	-	-	95	9	30	-	-	-
Truck	196	6.45	23	68	149	19	54	-	-	-	47	4	14	-	-	-
Trk& Trail	455	14.97	21	132	324	16	101	-	-	-	131	5	31	-	-	-
Pickup Trk	318	10.46	59	121	261	52	98	-	-	-	57	7	23	-	-	-
Van	112	3.68	19	37	87	19	28	-	-	-	25	-	9	-	-	-
Bus	3	0.10	-	1	3	-	1	-	-	-	-	-	-	-	-	-
School Bus	1	0.03	-	7	1	-	7	-	-	-	-	-	-	-	-	-
Motorcycle	6	0.20	-	1	4	-	-	-	-	-	2	-	1	-	-	-
Oth Mtr V.	102	3.36	11	45	85	10	38	-	-	-	17	1	7	-	-	-
Pedestrian	114	3.75	57	36	-	-	-	111	54	35	-	-	-	3	3	1
Other	33	1.09	18	8	-	-	-	30	17	8	-	-	-	3	1	-
<b>Total</b>	<b>2,372</b>	<b>78.03</b>	<b>331</b>	<b>759</b>	<b>1,851</b>	<b>230</b>	<b>600</b>	<b>141</b>	<b>71</b>	<b>43</b>	<b>374</b>	<b>26</b>	<b>115</b>	<b>6</b>	<b>4</b>	<b>1</b>

Highway User Struck Rail Equip

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing		
	Cnt	%	Kld	Nonfatal	Motor Vehicle			Other			Motor Vehicle		
					Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	379	12.47	16	130	367	16	126	-	-	-	12	-	4
Truck	49	1.61	1	15	39	1	12	-	-	-	10	-	3
Trk& Trail	51	1.68	2	11	41	2	9	-	-	-	10	-	2
Pickup Trk	124	4.08	4	60	119	4	58	-	-	-	5	-	2
Van	26	0.86	-	11	26	-	11	-	-	-	-	-	-
Motorcycle	8	0.26	-	4	8	-	4	-	-	-	-	-	-
Oth Mtr V.	25	0.82	2	16	21	2	14	-	-	-	4	-	2
Pedestrian	2	0.07	1	1	-	-	-	2	1	1	-	-	-
Other	4	0.13	-	2	-	-	-	4	-	2	-	-	-
<b>Total</b>	<b>668</b>	<b>21.97</b>	<b>26</b>	<b>250</b>	<b>621</b>	<b>25</b>	<b>234</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>41</b>	<b>-</b>	<b>13</b>

Grand Total

Highway User	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%	Kld	Nonfatal	Motor Vehicle			Other			Motor Vehicle			Other		
					Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Car	1,411	46.41	139	433	1,304	130	399	-	-	-	107	9	34	-	-	-
Truck	245	8.06	24	83	188	20	66	-	-	-	57	4	17	-	-	-
Trk& Trail	506	16.64	23	143	365	18	110	-	-	-	141	5	33	-	-	-
Pickup Trk	442	14.54	63	181	380	56	156	-	-	-	62	7	25	-	-	-
Van	138	4.54	19	48	113	19	39	-	-	-	25	-	9	-	-	-
Bus	3	0.10	-	1	3	-	1	-	-	-	-	-	-	-	-	-
School Bus	1	0.03	-	7	1	-	7	-	-	-	-	-	-	-	-	-
Motorcycle	14	0.46	-	5	12	-	4	-	-	-	2	-	1	-	-	-
Oth Mtr V.	127	4.18	13	61	106	12	52	-	-	-	21	1	9	-	-	-
Pedestrian	116	3.82	58	37	-	-	-	113	55	36	-	-	-	3	3	1
Other	37	1.22	18	10	-	-	-	34	17	10	-	-	-	3	1	-
<b>Total</b>	<b>3,040</b>	<b>100.0</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

TABLE 7-8 HIGHWAY-RAIL INCIDENTS BY USERS, 2005

Rail Equip 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	1,032	33.9	777	69	33	4	4	1	65	56	18	5
Truck	196	6.4	152	15	3	3	-	-	13	8	1	1
Trk& Trail	455	15.0	349	13	5	1	-	-	55	26	4	2
Pickup Trk	318	10.5	254	14	5	2	-	-	16	17	4	6
Van	112	3.7	82	4	1	-	1	-	11	10	-	3
Bus	3	0.1	1	-	1	-	-	-	1	-	-	-
School Bus	1	0.0	1	-	-	-	-	-	-	-	-	-
Motorcycle	6	0.2	5	-	1	-	-	-	-	-	-	-
Oth Mtr V.	102	3.4	84	6	-	-	-	-	7	3	1	1
Pedestrian	114	3.8	73	26	8	1	-	-	-	5	1	-
Other	33	1.1	26	5	1	-	-	-	-	1	-	-
<b>Total</b>	<b>2,372</b>	<b>78.0</b>	<b>1,804</b>	<b>152</b>	<b>58</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>168</b>	<b>126</b>	<b>29</b>	<b>18</b>

Highway User Struck Rail Equip

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	379	12.5	278	6	2	-	1	2	58	20	8	4
Truck	49	1.6	24	3	-	-	-	-	11	8	3	-
Trk& Trail	51	1.7	29	-	-	-	-	-	16	6	-	-
Pickup Trk	124	4.1	89	5	-	1	-	1	13	7	8	-
Van	26	0.9	21	1	1	-	-	-	2	1	-	-
Motorcycle	8	0.3	6	-	-	-	-	-	2	-	-	-
Oth Mtr V.	25	0.8	12	-	-	1	-	-	8	3	1	-
Pedestrian	2	0.1	2	-	-	-	-	-	-	-	-	-
Other	4	0.1	1	1	-	-	-	-	-	1	-	1
<b>Total</b>	<b>668</b>	<b>22.0</b>	<b>462</b>	<b>16</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>110</b>	<b>46</b>	<b>20</b>	<b>5</b>

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	1,411	46.4	1,055	75	35	4	5	3	123	76	26	9
Truck	245	8.1	176	18	3	3	-	-	24	16	4	1
Trk& Trail	506	16.6	378	13	5	1	-	-	71	32	4	2
Pickup Trk	442	14.5	343	19	5	3	-	1	29	24	12	6
Van	138	4.5	103	5	2	-	1	-	13	11	-	3
Bus	3	0.1	1	-	1	-	-	-	1	-	-	-
School Bus	1	0.0	1	-	-	-	-	-	-	-	-	-
Motorcycle	14	0.5	11	-	1	-	-	-	2	-	-	-
Oth Mtr V.	127	4.2	96	6	-	1	-	-	15	6	2	1
Pedestrian	116	3.8	75	26	8	1	-	-	-	5	1	-
Other	37	1.2	27	6	1	-	-	-	-	2	-	1
<b>Total</b>	<b>3,040</b>	<b>100.0</b>	<b>2,266</b>	<b>168</b>	<b>61</b>	<b>13</b>	<b>6</b>	<b>4</b>	<b>278</b>	<b>172</b>	<b>49</b>	<b>23</b>

TABLE 7-9 TOTAL HIGHWAY-RAIL INCIDENTS BY WARNING DEVICE, 2005

Warning	Total Incidents		Total		At Public Crossing						At Private Crossing					
	Cnt	%	Kld	Nonfatal	Motor Vehicle			Other			Motor Vehicle			Other		
					Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal	Cnt	Kld	Nonfatal
Unknown	97	3.19	3	21	15	-	2	1	-	1	78	1	18	3	2	-
Other	11	0.36	-	5	3	-	1	-	-	-	8	-	4	-	-	-
Cross bucks	875	28.78	103	359	755	95	322	8	2	4	110	5	33	2	1	-
Stop signs	433	14.24	66	156	259	47	89	2	1	1	172	18	66	-	-	-
Special warning	42	1.38	-	10	28	-	8	-	-	-	14	-	2	-	-	-
HWTS,WW,Bells	14	0.46	-	4	14	-	4	-	-	-	-	-	-	-	-	-
Flashing lights	540	17.76	41	154	505	35	140	13	3	8	21	2	5	1	1	1
Gates	1,028	33.82	144	300	893	78	268	123	66	32	12	-	-	-	-	-
<b>Total</b>	<b>3,040</b>	<b>100.0</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

TABLE 7-10 TOTAL HIGHWAY-RAIL INCIDENTS BY WEATHER, 2005

Rail Equip Struck Highway User

Type Weather	Total Incidents		At Public Crossing						At Private Crossing							
	Total		Motor Vehicle			Other			Motor Vehicle			Other				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Clear	1,701	55.95	240	561	1,330	172	448	105	47	31	262	19	81	4	2	1
Cloudy	447	14.70	67	150	335	38	112	27	20	8	83	7	30	2	2	-
Rain	145	4.77	19	30	120	18	26	5	1	3	20	-	1	-	-	-
Fog	22	0.72	2	9	14	1	5	2	1	1	6	-	3	-	-	-
Sleet	6	0.20	-	1	5	-	1	-	-	-	1	-	-	-	-	-
Snow	51	1.68	3	8	47	1	8	2	2	-	2	-	-	-	-	-
<b>Total</b>	<b>2,372</b>	<b>78.03</b>	<b>331</b>	<b>759</b>	<b>1,851</b>	<b>230</b>	<b>600</b>	<b>141</b>	<b>71</b>	<b>43</b>	<b>374</b>	<b>26</b>	<b>115</b>	<b>6</b>	<b>4</b>	<b>1</b>

Highway User Struck Rail Equip

Type Weather	Total Incidents		At Public Crossing						At Private Crossing				
	Total		Motor Vehicle			Other			Motor Vehicle				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Clear	447	14.70	14	167	418	14	158	5	-	3	24	-	6
Cloudy	130	4.28	8	52	118	7	47	1	1	-	11	-	5
Rain	38	1.25	2	7	34	2	5	-	-	-	4	-	2
Fog	23	0.76	-	13	23	-	13	-	-	-	-	-	-
Sleet	5	0.16	1	5	5	1	5	-	-	-	-	-	-
Snow	25	0.82	1	6	23	1	6	-	-	-	2	-	-
<b>Total</b>	<b>668</b>	<b>21.97</b>	<b>26</b>	<b>250</b>	<b>621</b>	<b>25</b>	<b>234</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>41</b>	<b>-</b>	<b>13</b>

Grand total

Type Weather	Total Incidents		At Public Crossing						At Private Crossing							
	Total		Motor Vehicle			Other			Motor Vehicle			Other				
	Cnt	%	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal	Cnt	Kid	Nonfatal
Clear	2,148	70.66	254	728	1,748	186	606	110	47	34	286	19	87	4	2	1
Cloudy	577	18.98	75	202	453	45	159	28	21	8	94	7	35	2	2	-
Rain	183	6.02	21	37	154	20	31	5	1	3	24	-	3	-	-	-
Fog	45	1.48	2	22	37	1	18	2	1	1	6	-	3	-	-	-
Sleet	11	0.36	1	6	10	1	6	-	-	-	1	-	-	-	-	-
Snow	76	2.50	4	14	70	2	14	2	2	-	4	-	-	-	-	-
<b>Total</b>	<b>3,040</b>	<b>100.0</b>	<b>357</b>	<b>1,009</b>	<b>2,472</b>	<b>255</b>	<b>834</b>	<b>147</b>	<b>72</b>	<b>46</b>	<b>415</b>	<b>26</b>	<b>128</b>	<b>6</b>	<b>4</b>	<b>1</b>

**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 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 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 6180.57). The motorist did sustain a reportable injury arising from the operation of a railroad. Therefore, an injury report (form 6180.55a) must be completed. If the motorist had struck the consist, a form 6180.57 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 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 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 6180.54 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 6180.55a) would need to be completed.

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## CHAPTER 8

## HIGHWAY-RAIL INCIDENTS AT PUBLIC CROSSINGS THAT INVOLVE MOTOR VEHICLES

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TABLE 8-1 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY STATE, 2005

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	104	3.35	2.24	1.64	13	0.42	0.28	0.20	39	1.25	8.41	0.06
Alaska	2	0.90	0.29	0.39	.	.	.	.	.	.	.	.
Arizona	32	3.61	0.79	1.11	1	0.11	0.02	0.03	3	0.34	0.74	0.01
Arkansas	59	1.93	2.97	1.63	8	0.26	0.40	0.22	35	1.14	17.59	0.10
California	103	1.33	0.31	0.26	7	0.09	0.02	0.02	42	0.54	1.27	0.01
Colorado	29	1.55	1.51	0.79	4	0.21	0.21	0.11	14	0.75	7.27	0.04
Connecticut	6	1.62	0.19	0.46	3	0.81	0.10	0.23	2	0.54	0.64	0.02
Delaware	6	2.05	0.79	0.57	.	.	.	.	2	0.68	2.65	0.02
Dist Of Columbia	.	.	.	.	.	.	.	.	.	.	.	.
Florida	76	1.97	0.47	0.40	8	0.21	0.05	0.04	15	0.39	0.93	0.01
Georgia	108	1.88	1.32	1.17	12	0.21	0.15	0.13	14	0.24	1.71	0.02
Hawaii	1	12.50	.	3.70	.	.	.	.	.	.	.	.
Idaho	20	1.53	1.40	1.15	.	.	.	.	6	0.46	4.19	0.03
Illinois	126	1.54	1.29	0.59	18	0.22	0.18	0.08	70	0.86	7.18	0.03
Indiana	151	2.49	2.96	1.07	18	0.30	0.35	0.13	22	0.36	4.31	0.02
Iowa	67	1.49	1.89	1.21	6	0.13	0.17	0.11	29	0.65	8.18	0.05
Kansas	54	0.87	2.22	1.07	7	0.11	0.29	0.14	29	0.47	11.91	0.06
Kentucky	64	2.65	1.84	1.60	5	0.21	0.14	0.13	20	0.83	5.74	0.05
Louisiana	118	3.45	3.05	1.71	19	0.56	0.49	0.28	38	1.11	9.81	0.06
Maine	4	0.48	0.36	0.20	.	.	.	.	2	0.24	1.79	0.01
Maryland	13	1.88	0.30	0.53	.	.	.	.	1	0.14	0.23	0.00
Massachusetts	9	1.12	0.16	0.18	1	0.12	0.02	0.02	4	0.50	0.72	0.01
Michigan	84	1.57	0.99	0.57	4	0.07	0.05	0.03	11	0.21	1.29	0.01
Minnesota	58	1.21	1.20	0.89	7	0.15	0.14	0.11	27	0.56	5.57	0.04
Mississippi	72	3.05	3.59	1.66	9	0.38	0.45	0.21	25	1.06	12.47	0.06
Missouri	52	1.13	1.11	1.08	15	0.33	0.32	0.31	25	0.54	5.35	0.05
Montana	14	0.98	1.32	1.13	1	0.07	0.09	0.08	4	0.28	3.78	0.03
Nebraska	41	1.10	2.36	1.72	10	0.27	0.58	0.42	20	0.54	11.53	0.08
Nevada	4	1.34	0.29	0.44	1	0.34	0.07	0.11	.	.	.	.
New Hampshire	2	0.50	0.16	0.19	.	.	.	.	.	.	.	.
New Jersey	40	2.63	0.62	0.45	2	0.13	0.03	0.02	11	0.72	1.71	0.01
New Mexico	16	2.16	1.01	1.80	2	0.27	0.13	0.22	4	0.54	2.52	0.04
New York	25	0.86	0.21	0.33	3	0.10	0.02	0.04	7	0.24	0.58	0.01
North Carolina	54	1.30	0.86	0.47	6	0.14	0.10	0.05	30	0.72	4.80	0.03
North Dakota	16	0.39	2.23	1.38	7	0.17	0.97	0.60	3	0.07	4.18	0.03
Ohio	112	1.79	1.02	0.79	5	0.08	0.05	0.04	26	0.42	2.38	0.02
Oklahoma	56	1.38	1.47	1.26	4	0.10	0.11	0.09	32	0.79	8.40	0.07
Oregon	17	0.75	0.57	0.38	.	.	.	.	2	0.09	0.67	0.00
Pennsylvania	66	1.38	0.65	0.47	4	0.08	0.04	0.03	14	0.29	1.38	0.01
Rhode Island	1	0.85	0.12	0.18	.	.	.	.	.	.	.	.
South Carolina	68	2.44	2.00	0.98	6	0.22	0.18	0.09	16	0.57	4.70	0.02
South Dakota	16	0.75	1.78	1.27	2	0.09	0.22	0.16	9	0.42	10.00	0.07
Tennessee	65	2.18	1.27	1.08	6	0.20	0.12	0.10	24	0.80	4.70	0.04
Texas	260	2.44	1.46	0.67	15	0.14	0.08	0.04	114	1.07	6.40	0.03
Utah	14	1.54	0.62	0.84	2	0.22	0.09	0.12	6	0.66	2.66	0.04
Vermont	3	0.60	0.57	0.39	.	.	.	.	2	0.40	3.77	0.03
Virginia	27	1.32	0.40	0.46	.	.	.	.	3	0.15	0.45	0.01
Washington	40	1.51	0.69	0.83	4	0.15	0.07	0.08	11	0.41	1.91	0.02
West Virginia	23	1.50	1.68	1.39	1	0.07	0.07	0.06	2	0.13	1.46	0.01
Wisconsin	73	1.76	1.45	0.80	9	0.22	0.18	0.10	18	0.43	3.58	0.02
Wyoming	1	0.25	0.15	0.29	.	.	.	.	1	0.25	1.47	0.03
Total...	2,472	1.69	1.00	0.73	255	0.17	0.10	0.08	834	0.57	3.38	0.02



TABLE 8-2 RATES FOR MOTOR VEHICLE INCIDENTS AT PUBLIC CROSSINGS BY WARNING DEVICE, 2005

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	15	0.31	0.18	.	.	.	2	0.04	0.00	4,526
Other	3	0.54	0.46	.	.	.	1	0.18	0.02	560
Cross bucks	755	1.21	1.63	95	0.15	0.21	322	0.52	0.07	62,522
Stop signs	259	2.20	3.97	47	0.40	0.72	89	0.76	0.14	11,766
Special warning	28	1.06	0.31	.	.	.	8	0.30	0.01	2,631
HWTS,WW,Bells	14	1.10	0.27	.	.	.	4	0.31	0.01	1,273
Flashing lights	505	2.07	0.51	35	0.14	0.04	140	0.57	0.01	24,417
Gates	893	2.33	0.55	78	0.20	0.05	268	0.70	0.02	38,408
<b>Total</b>	<b>2,472</b>	<b>1.69</b>	<b>0.73</b>	<b>255</b>	<b>0.17</b>	<b>0.08</b>	<b>834</b>	<b>0.57</b>	<b>0.02</b>	<b>146,103</b>

TABLES 8-3 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, 2005 BY RAILROAD AND TYPE WARNING

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	
Alton & Southern	-	-	-	-	-	-	1	-	-	1	
Alaska RR Corp.	-	-	-	1	-	-	1	-	1	1	
Amtrak	-	-	14	5	-	-	9	62	79	11	
Burlington Northern Santa Fe	2	-	138	21	3	1	61	124	263	87	
Canadian National	-	-	55	27	3	-	34	38	115	42	
Canadian Pacific	-	-	9	6	1	-	2	6	17	7	
Conrail Shared Assets	4	-	7	2	3	-	13	2	16	15	
CSX Transportation	7	2	92	37	3	3	104	180	328	100	
Dakota,Minnesota & Eastern	-	-	18	1	-	-	6	1	12	14	
Elgin, Joliet & Eastern	-	-	-	1	-	-	2	1	2	2	
Florida East Coast	-	-	-	-	-	-	-	18	18	-	
Indiana Harbor Belt	-	-	-	-	-	-	3	7	7	3	
Kansas City Southern	-	-	53	-	1	-	24	22	84	16	
Long Island Rail Road	-	-	-	-	-	-	-	5	5	-	
Mass Bay Transit Auth.	-	-	-	-	-	-	-	3	2	1	
Montreal, Maine & Atlantic	-	-	1	-	-	-	-	-	1	-	
Metro North Commuter	-	-	-	-	-	-	-	2	2	-	
Montana Rail Link	-	-	1	-	-	-	3	-	1	3	
Northern IN Comm Trans	-	-	6	-	-	-	-	2	8	-	
Northeast IL Reg Comm	-	-	-	1	-	-	-	15	14	2	
New Jersey Transit Rail	-	-	-	-	-	-	-	6	6	-	
Norfolk Southern Corp.	1	-	104	38	2	1	82	167	328	67	
Other Railroads	-	1	121	35	10	7	77	39	163	127	
Paducah & Louisville	-	-	1	-	-	-	1	-	2	-	
Peninsula Comm San Mateo Cnty	-	-	-	-	-	-	-	2	2	-	
Southern CA Reg Rail Auth.	-	-	-	-	-	-	-	14	14	-	
Southeastern PA Trans.	-	-	-	-	-	-	-	2	2	-	
Union Pacific	1	-	124	84	2	2	75	171	343	116	
Wheeling & Lake Erie	-	-	11	-	-	-	1	3	10	5	
Wisconsin & Southern RR	-	-	-	-	-	-	6	1	6	1	
<b>Total</b>	<b>15</b>	<b>3</b>	<b>755</b>	<b>259</b>	<b>28</b>	<b>14</b>	<b>505</b>	<b>893</b>	<b>1,851</b>	<b>621</b>	

TABLES 8-4 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS  
BY STATE AND TYPE WARNING, 2005

States	Type of Warning							
	Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
Alabama	-	-	24	33	2	1	21	23
Alaska	-	-	-	1	-	-	1	-
Arizona	-	-	3	-	-	-	12	17
Arkansas	-	-	12	18	-	1	17	11
California	-	-	13	5	1	1	9	74
Colorado	-	-	9	7	1	-	3	9
Connecticut	-	-	-	-	-	-	1	5
Delaware	-	-	-	-	-	-	5	1
Florida	-	-	3	1	-	-	4	68
Georgia	-	-	29	20	3	1	12	43
Hawaii	-	-	-	-	-	-	1	-
Idaho	-	-	3	10	1	1	2	3
Illinois	-	-	36	2	1	-	28	59
Indiana	1	1	26	18	2	-	44	59
Iowa	-	1	38	1	1	-	17	9
Kansas	-	-	29	5	-	2	2	16
Kentucky	3	-	20	1	-	-	29	11
Louisiana	-	-	45	17	1	-	30	25
Maine	-	-	2	-	-	-	2	-
Maryland	-	1	2	-	-	1	4	5
Massachusetts	-	-	-	2	-	-	4	3
Michigan	1	-	14	13	-	-	23	33
Minnesota	-	-	28	15	-	-	10	5
Mississippi	-	-	25	6	1	1	28	11
Missouri	-	-	30	2	1	-	9	10
Montana	-	-	7	-	-	-	3	4
Nebraska	-	-	14	7	-	-	3	17
Nevada	-	-	1	-	-	-	-	3
New Hampshire	-	-	-	1	-	-	-	1
New Jersey	4	-	2	-	2	1	13	18
New Mexico	-	-	7	-	-	-	3	6
New York	-	-	4	-	-	-	3	18
North Carolina	-	-	25	-	-	-	2	27
North Dakota	-	-	12	1	-	-	-	3
Ohio	-	-	50	2	-	-	13	47
Oklahoma	1	-	28	3	-	1	10	13
Oregon	-	-	4	5	2	-	1	5
Pennsylvania	2	-	28	3	1	-	13	19
Rhode Island	-	-	-	-	-	-	1	-
South Carolina	-	-	12	16	1	-	16	23
South Dakota	-	-	11	-	-	-	5	-
Tennessee	1	-	23	2	2	-	19	18
Texas	1	-	89	15	2	1	39	113
Utah	-	-	6	3	-	-	2	3
Vermont	-	-	1	1	-	-	1	-
Virginia	-	-	1	-	-	1	8	17
Washington	1	-	11	5	1	1	5	16
West Virginia	-	-	4	-	-	-	10	9
Wisconsin	-	-	24	18	2	-	17	12
Wyoming	-	-	-	-	-	-	-	1
<b>Total</b>	<b>15</b>	<b>3</b>	<b>755</b>	<b>259</b>	<b>28</b>	<b>14</b>	<b>505</b>	<b>893</b>

**TABLE 8-5 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSING, BY TYPE CONSIST AND CONSIST SPEED, 2005**

**Rail Equip Struck Highway User**

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Yes	No	Unk			
Unknown	1	1	-	-	-	-	-	-	-	-	1	-		
1-9	304	151	8	3	19	78	37	8	20	267	17			
10-19	237	169	14	-	9	16	25	4	8	215	14			
20-29	316	278	15	2	2	5	14	-	11	293	12			
30-39	328	300	11	-	1	8	7	1	10	303	15			
40-49	376	354	11	3	-	4	4	-	11	351	14			
50-59	173	149	21	1	-	-	2	-	5	161	7			
>= 60	116	45	70	-	-	-	1	-	3	105	8			
<b>Total</b>	<b>1,851</b>	<b>1,447</b>	<b>150</b>	<b>9</b>	<b>31</b>	<b>111</b>	<b>90</b>	<b>13</b>	<b>68</b>	<b>1,696</b>	<b>87</b>			

**Highway User Struck Rail Equip**

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Yes	No	Unk			
Unknown	79	55	-	2	3	15	4	-	-	75	4			
1-9	204	99	1	-	15	65	23	1	8	185	11			
10-19	99	74	2	-	2	12	6	3	4	89	6			
20-29	83	74	2	-	-	3	4	-	2	76	5			
30-39	49	44	-	-	2	1	2	-	2	46	1			
40-49	71	66	2	-	2	-	1	-	-	67	4			
50-59	19	18	1	-	-	-	-	-	2	17	-			
>= 60	17	8	9	-	-	-	-	-	1	15	1			
<b>Total</b>	<b>621</b>	<b>438</b>	<b>17</b>	<b>2</b>	<b>24</b>	<b>96</b>	<b>40</b>	<b>4</b>	<b>19</b>	<b>570</b>	<b>32</b>			

**Grand Total**

Consist Speed											Whistle Ban?			
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	Yes	No	Unk			
Unknown	80	56	-	2	3	15	4	-	-	76	4			
1-9	508	250	9	3	34	143	60	9	28	452	28			
10-19	336	243	16	-	11	28	31	7	12	304	20			
20-29	399	352	17	2	2	8	18	-	13	369	17			
30-39	377	344	11	-	3	9	9	1	12	349	16			
40-49	447	420	13	3	2	4	5	-	11	418	18			
50-59	192	167	22	1	-	-	2	-	7	178	7			
>= 60	133	53	79	-	-	-	1	-	4	120	9			
<b>Total</b>	<b>2,472</b>	<b>1,885</b>	<b>167</b>	<b>11</b>	<b>55</b>	<b>207</b>	<b>130</b>	<b>17</b>	<b>87</b>	<b>2,266</b>	<b>119</b>			

**TABLE 8-6 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, 2005  
BY TYPE WARNING, MOTORIST ACTION, AND WARNING LOCATION**

**Rail Equip 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	11	0.4	-	2	7	2	-	6	4	-	1
Other	1	0.0	-	-	1	-	-	-	1	-	-
Cross bucks	554	22.4	-	43	366	134	11	-	522	30	2
Stop signs	217	8.8	-	26	137	50	4	-	208	9	-
Special warning	14	0.6	1	4	9	-	-	1	10	3	-
HWTS,WW,Bells	12	0.5	-	3	6	3	-	-	11	1	-
Flashing lights	323	13.1	-	39	187	92	5	-	311	10	2
Gates	719	29.1	182	26	59	363	89	-	697	20	2
<b>Total</b>	<b>1,851</b>	<b>74.9</b>	<b>183</b>	<b>143</b>	<b>772</b>	<b>644</b>	<b>109</b>	<b>7</b>	<b>1,764</b>	<b>73</b>	<b>7</b>

**Highway User Struck Rail Equip**

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	4	0.2	-	-	4	-	-	2	2	-	-
Other	2	0.1	-	-	2	-	-	-	2	-	-
Cross bucks	201	8.1	-	9	190	-	2	1	185	13	2
Stop signs	42	1.7	-	4	37	-	1	-	39	3	-
Special warning	14	0.6	-	5	9	-	-	-	12	2	-
HWTS,WW,Bells	2	0.1	-	-	2	-	-	-	2	-	-
Flashing lights	182	7.4	-	11	167	-	4	-	179	3	-
Gates	174	7.0	99	10	58	-	7	-	167	7	-
<b>Total</b>	<b>621</b>	<b>25.1</b>	<b>99</b>	<b>39</b>	<b>469</b>	<b>-</b>	<b>14</b>	<b>3</b>	<b>588</b>	<b>28</b>	<b>2</b>

**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	15	0.6	-	2	11	2	-	8	6	-	1
Other	3	0.1	-	-	3	-	-	-	3	-	-
Cross bucks	755	30.5	-	52	556	134	13	1	707	43	4
Stop signs	259	10.5	-	30	174	50	5	-	247	12	-
Special warning	28	1.1	1	9	18	-	-	1	22	5	-
HWTS,WW,Bells	14	0.6	-	3	8	3	-	-	13	1	-
Flashing lights	505	20.4	-	50	354	92	9	-	490	13	2
Gates	893	36.1	281	36	117	363	96	-	864	27	2
<b>Total</b>	<b>2,472</b>	<b>100.0</b>	<b>282</b>	<b>182</b>	<b>1,241</b>	<b>644</b>	<b>123</b>	<b>10</b>	<b>2,352</b>	<b>101</b>	<b>9</b>

**TABLE 8-7 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, 2005  
BY TYPE VEHICLE, VEHICLE SPEED AND DRIVER GENDER**

**Rail Equip Struck Highway User**

Vehicle Speed										Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F	
Unknown	91	47	22	16	2	-	4	4	67	20	
Stopped	711	398	136	115	26	2	34	46	473	192	
1-9	489	202	122	113	22	2	28	7	375	107	
10-19	278	134	70	46	12	-	16	10	211	57	
20-29	132	65	32	21	13	-	1	4	99	29	
30-39	84	53	14	6	7	-	4	4	56	24	
40-49	38	23	6	3	5	-	1	2	26	10	
50-59	24	13	8	2	-	-	1	-	19	5	
>= 60	4	2	-	2	-	-	-	-	3	1	
<b>Total</b>	<b>1,851</b>	<b>937</b>	<b>410</b>	<b>324</b>	<b>87</b>	<b>4</b>	<b>89</b>	<b>77</b>	<b>1,329</b>	<b>445</b>	

**Highway User Struck Rail Equip**

Vehicle Speed										Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F	
Unknown	25	18	4	2	-	-	1	4	15	6	
Stopped	1	-	-	1	-	-	-	-	1	-	
1-9	186	115	46	10	5	-	10	13	123	50	
10-19	134	74	41	10	6	-	3	6	105	23	
20-29	106	58	28	8	5	-	7	5	76	25	
30-39	72	45	16	3	5	-	3	2	51	19	
40-49	45	28	8	1	5	-	3	1	37	7	
50-59	29	14	9	4	-	-	2	1	24	4	
>= 60	23	15	6	2	-	-	-	-	20	3	
<b>Total</b>	<b>621</b>	<b>367</b>	<b>158</b>	<b>41</b>	<b>26</b>	<b>-</b>	<b>29</b>	<b>32</b>	<b>452</b>	<b>137</b>	

**Grand Total**

Vehicle Speed										Driver Gender	
	Total	Car	Trucks	Trk& Trail	Van	Buses	Oth Mtr V.	?	M	F	
Unknown	116	65	26	18	2	-	5	8	82	26	
Stopped	712	398	136	116	26	2	34	46	474	192	
1-9	675	317	168	123	27	2	38	20	498	157	
10-19	412	208	111	56	18	-	19	16	316	80	
20-29	238	123	60	29	18	-	8	9	175	54	
30-39	156	98	30	9	12	-	7	6	107	43	
40-49	83	51	14	4	10	-	4	3	63	17	
50-59	53	27	17	6	-	-	3	1	43	9	
>= 60	27	17	6	4	-	-	-	-	23	4	
<b>Total</b>	<b>2,472</b>	<b>1,304</b>	<b>568</b>	<b>365</b>	<b>113</b>	<b>4</b>	<b>118</b>	<b>109</b>	<b>1,781</b>	<b>582</b>	

**TABLE 8-8 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY VEHICLE SPEED, WEATHER AND CONDITION OF DRIVER, 2005**

**Rail Equip Struck Highway User**

Vehicle Speed	Weather								Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	91	71	8	9	1	-	2	-	8	9	74
Stopped	711	496	125	52	8	3	27	8	25	78	600
1-9	489	342	108	30	2	1	6	1	64	122	302
10-19	278	205	47	15	2	1	8	-	37	74	167
20-29	132	98	24	8	1	-	1	1	17	37	77
30-39	84	65	14	3	-	-	2	-	12	25	47
40-49	38	30	5	2	-	-	1	-	5	11	22
50-59	24	20	3	1	-	-	-	-	5	5	14
>= 60	4	3	1	-	-	-	-	-	-	3	1
<b>Total</b>	<b>1,851</b>	<b>1,330</b>	<b>335</b>	<b>120</b>	<b>14</b>	<b>5</b>	<b>47</b>	<b>10</b>	<b>173</b>	<b>364</b>	<b>1,304</b>

**Highway User Struck Rail Equip**

Vehicle Speed	Weather								Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	25	18	4	1	1	1	-	-	1	3	21
Stopped	1	1	-	-	-	-	-	-	-	-	1
1-9	186	128	36	9	5	-	8	-	6	37	143
10-19	134	96	20	10	7	-	1	-	1	31	102
20-29	106	64	22	4	6	2	8	-	2	30	74
30-39	72	42	17	8	1	2	2	-	1	22	49
40-49	45	31	10	1	1	-	2	1	2	15	27
50-59	29	21	4	1	1	-	2	1	4	13	11
>= 60	23	17	5	-	1	-	-	-	3	14	6
<b>Total</b>	<b>621</b>	<b>418</b>	<b>118</b>	<b>34</b>	<b>23</b>	<b>5</b>	<b>23</b>	<b>2</b>	<b>20</b>	<b>165</b>	<b>434</b>

**Grand Total**

Vehicle Speed	Weather								Driver		
	Total	Clear	Cloudy	Rain	Fog	Sleet	Snow	?	Kld	Nonfatal	Unhurt
Unknown	116	89	12	10	2	1	2	-	9	12	95
Stopped	712	497	125	52	8	3	27	8	25	78	601
1-9	675	470	144	39	7	1	14	1	70	159	445
10-19	412	301	67	25	9	1	9	-	38	105	269
20-29	238	162	46	12	7	2	9	1	19	67	151
30-39	156	107	31	11	1	2	4	-	13	47	96
40-49	83	61	15	3	1	-	3	1	7	26	49
50-59	53	41	7	2	1	-	2	1	9	18	25
>= 60	27	20	6	-	1	-	-	-	3	17	7
<b>Total</b>	<b>2,472</b>	<b>1,748</b>	<b>453</b>	<b>154</b>	<b>37</b>	<b>10</b>	<b>70</b>	<b>12</b>	<b>193</b>	<b>529</b>	<b>1,738</b>

**TABLE 8-9 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS,  
BY DRIVER AGE, GENDER, AND TYPE VEHICLE, 2005**

Age	Total		Type Vehicle										Driver Gender		
	Cnt	%	Car	Truck	Trk& Trail	Pickup Trk	Van	Bus	School Bus	Motorcycle	Oth Mtr V.	?	M	F	
Unknown	450	18.2	255	34	63	60	26	1	-	-	1	10	104	269	77
6-10	1	0.0	1	-	-	-	-	-	-	-	-	-	-	1	-
11-15	7	0.3	3	1	-	2	-	-	-	-	-	1	-	6	1
16-20	233	9.4	180	7	2	32	1	-	-	-	-	11	-	156	77
21-25	277	11.2	183	23	16	37	10	-	-	-	1	7	2	201	74
26-30	232	9.4	117	13	37	34	15	-	-	-	2	14	-	189	43
31-35	212	8.6	92	17	40	41	10	-	-	-	1	11	2	167	43
36-40	210	8.5	85	21	44	42	9	-	-	-	-	9	-	162	48
41-45	161	6.5	70	16	34	21	9	-	-	-	3	8	-	120	41
46-50	146	5.9	51	6	43	28	3	-	-	-	2	13	1	108	37
51-55	132	5.3	52	12	29	22	6	2	1	-	2	6	-	96	36
56-60	120	4.9	53	14	29	14	5	-	-	-	-	5	-	88	32
61-65	82	3.3	34	12	13	14	3	-	-	-	-	6	-	67	15
66-70	51	2.1	30	1	9	7	4	-	-	-	-	-	-	40	11
Other	158	6.4	98	11	6	26	12	-	-	-	-	5	-	111	47
<b>Total</b>	<b>2,472</b>	<b>100.0</b>	<b>1,304</b>	<b>188</b>	<b>365</b>	<b>380</b>	<b>113</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>12</b>	<b>106</b>	<b>109</b>	<b>1,781</b>	<b>582</b>

**TABLE 8-10 MOTOR VEHICLES THAT STRUCK CONSIST AT PUBLIC CROSSINGS,  
BY CONSIST LENGTH, PORTION OF TRAIN STRUCK AND WARNING TYPE, 2005**

Consist Length	Total	Position of Consist Struck						Type of Warning							
		Unk	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	42	1	39	2	-	-	-	-	-	13	2	1	-	16	10
2-5	89	-	70	-	5	4	10	1	1	29	6	6	1	30	15
6-10	61	-	36	2	14	2	7	1	-	24	3	3	-	18	12
11-15	30	-	18	5	2	4	1	2	-	15	1	1	1	6	4
16-20	20	-	8	5	4	-	3	-	-	7	3	1	-	7	2
21-25	31	-	12	5	3	3	8	-	-	8	-	1	-	11	11
26-30	21	-	8	5	1	1	6	-	-	8	3	1	-	5	4
31-35	21	-	10	6	1	1	3	-	-	7	2	-	-	7	5
36-40	14	-	9	1	1	1	2	-	-	5	1	-	-	5	3
41-45	17	-	7	4	2	2	2	-	-	2	2	-	-	8	5
46-50	20	-	8	3	3	1	5	-	1	9	2	-	-	3	5
51-60	34	-	14	6	7	5	2	-	-	9	1	-	-	10	14
61-70	40	-	17	5	9	3	6	-	-	9	2	-	-	12	17
71-80	27	-	10	5	6	3	3	-	-	5	3	-	-	5	14
81-90	31	-	11	6	7	3	4	-	-	11	3	-	-	8	9
91-100	33	-	9	5	7	6	6	-	-	11	4	-	-	5	13
> 100	90	-	27	21	11	9	22	-	-	29	4	-	-	26	31
<b>-Total</b>	<b>621</b>	<b>1</b>	<b>313</b>	<b>86</b>	<b>83</b>	<b>48</b>	<b>90</b>	<b>4</b>	<b>2</b>	<b>201</b>	<b>42</b>	<b>14</b>	<b>2</b>	<b>182</b>	<b>174</b>

**TABLE 8-11 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY CONSIST LENGTH, TYPE CONSIST, AND DRIVER GENDER, 2005**

**Rail Equip Struck Highway User**

Consist Length											Driver Gender	
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?	M	F	
1	83	-	-	-	29	-	43	11	3	55	25	
2-5	194	61	51	4	2	29	45	2	7	146	41	
6-10	167	68	68	-	-	29	2	-	7	123	37	
11-15	110	70	29	1	-	10	-	-	5	76	29	
16-20	78	63	2	-	-	13	-	-	2	58	18	
21-25	78	68	-	1	-	9	-	-	5	55	18	
26-30	68	58	-	-	-	10	-	-	2	50	16	
31-35	69	65	-	-	-	4	-	-	1	50	18	
36-40	69	65	-	2	-	2	-	-	5	48	16	
41-45	70	69	-	-	-	1	-	-	2	52	16	
46-50	58	57	-	1	-	-	-	-	4	40	14	
51-60	102	100	-	-	-	2	-	-	5	75	22	
61-70	111	111	-	-	-	-	-	-	9	68	34	
71-80	129	129	-	-	-	-	-	-	4	94	31	
81-90	96	96	-	-	-	-	-	-	4	70	22	
91-100	96	95	-	-	-	1	-	-	4	75	17	
> 100	273	272	-	-	-	1	-	-	8	194	71	
<b>Total</b>	<b>1,851</b>	<b>1,447</b>	<b>150</b>	<b>9</b>	<b>31</b>	<b>111</b>	<b>90</b>	<b>13</b>	<b>77</b>	<b>1,329</b>	<b>445</b>	

**Highway User Struck Rail Equip**

Consist Length											Driver Gender	
	Total	Freight Train	Psgr Comm Trn	Work Train	Car(s)	Yard Switch	Light loco(s)	A	?	M	F	
1	42	-	-	-	18	-	20	4	2	28	12	
2-5	89	37	6	-	3	23	20	-	1	74	14	
6-10	61	30	8	-	1	22	-	-	1	42	18	
11-15	30	17	3	-	-	10	-	-	-	23	7	
16-20	20	15	-	-	-	5	-	-	-	18	2	
21-25	31	25	-	-	-	6	-	-	5	18	8	
26-30	21	15	-	-	-	6	-	-	-	16	5	
31-35	21	17	-	-	-	4	-	-	2	17	2	
36-40	14	11	-	-	1	2	-	-	2	9	3	
41-45	17	14	-	-	-	3	-	-	-	10	7	
46-50	20	17	-	1	-	2	-	-	-	19	1	
51-60	34	32	-	-	-	2	-	-	3	26	5	
61-70	40	38	-	-	-	2	-	-	5	25	10	
71-80	27	23	-	-	-	4	-	-	-	23	4	
81-90	31	31	-	-	-	-	-	-	3	20	8	
91-100	33	32	-	-	1	-	-	-	3	24	6	
> 100	90	84	-	1	-	5	-	-	5	60	25	
<b>Total</b>	<b>621</b>	<b>438</b>	<b>17</b>	<b>2</b>	<b>24</b>	<b>96</b>	<b>40</b>	<b>4</b>	<b>32</b>	<b>452</b>	<b>137</b>	



**TABLE 8-12 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY TYPE CONSIST, NUMBER OF PEOPLE ON TRAIN, AND TYPE PERSON HURT, 2005**

Consist	People on Train		Total		Hwy User		RR Employees		Others	
	Total	Avg	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal	Kld	Nonfatal
Freight Train	4,383	2	210	619	210	562	0	57	0	0
Psgr Train	14,088	121	33	74	33	39	0	15	0	20
Commuter Train	7,373	145	7	23	7	20	0	0	0	3
Work Train	26	2	-	3	0	2	0	0	0	1
Single Car	98	16	-	7	0	7	0	0	0	0
Cut of Cars	35	9	-	4	0	1	0	0	0	3
Yard/ Switch	662	3	3	51	3	45	0	6	0	0
Light loco(s)	321	2	1	24	1	22	0	2	0	0
Maint Insp car	60	1	-	23	0	19	0	4	0	0
Spec MOW Eqp	20	1	1	6	1	5	0	1	0	0
<b>Total</b>	<b>27,066</b>	<b>11</b>	<b>255</b>	<b>834</b>	<b>255</b>	<b>722</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>27</b>

**TABLE 8-13 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY TYPE VEHICLE, NUMBER OF OCCUPANTS, AND VEHICLE DAMAGE, 2005**

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	1,533	1	4,533,260	3,476	130	399	130	379	0	13	0	7
Truck	197	1	1,302,902	6,930	20	66	20	38	0	12	0	16
Trk & Trail	373	1	3,888,355	10,653	18	110	18	63	0	43	0	4
Pickup Trk	484	1	1,766,634	4,649	56	156	56	149	0	7	0	0
Van	159	1	385,400	3,411	19	39	19	38	0	1	0	0
Bus	2	1	105,000	35,000	-	1	0	1	0	0	0	0
School Bus	7	7	1,500	1,500	-	7	0	7	0	0	0	0
Motorcycle	13	1	28,500	2,375	-	4	0	4	0	0	0	0
Oth Mtr V.	123	1	636,550	6,005	12	52	12	43	0	9	0	0
<b>Total</b>	<b>2,891</b>	<b>1</b>	<b>12,648,101</b>	<b>5,117</b>	<b>255</b>	<b>834</b>	<b>255</b>	<b>722</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>27</b>

**TABLE 8-14 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, BY TYPE WARNING, POSITION ON CROSSING AND IF HAZMAT WAS RELEASED, 2005**

**Rail Equip Struck Highway User**

Type Warning	Total		Position on Crossing				Hazmat Released By			
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Both	Neither
Unknown	11	0.4	-	2	9	-	-	2	-	9
Other	1	0.0	-	-	1	-	-	-	-	1
Cross bucks	554	22.4	24	117	411	2	3	112	1	438
Stop signs	217	8.8	5	46	164	2	-	56	1	160
Special warning	14	0.6	-	1	13	-	-	2	-	12
HWTS,WW,Bells	12	0.5	1	2	9	-	1	-	-	11
Flashing lights	323	13.1	15	79	226	3	3	71	-	249
Gates	719	29.1	102	318	264	35	3	153	2	561
<b>Total</b>	<b>1,851</b>	<b>74.9</b>	<b>147</b>	<b>565</b>	<b>1,097</b>	<b>42</b>	<b>10</b>	<b>396</b>	<b>4</b>	<b>1,441</b>

**Highway User Struck Rail Equip**

Type Warning	Total		Position on Crossing				Hazmat Released By			
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Both	Neither
Unknown	4	0.2	-	-	4	-	-	-	-	4
Other	2	0.1	-	-	2	-	-	-	-	2
Cross bucks	201	8.1	-	-	201	-	1	31	-	169
Stop signs	42	1.7	-	-	42	-	1	6	-	35
Special warning	14	0.6	-	-	14	-	-	2	-	12
HWTS,WW,Bells	2	0.1	-	-	2	-	-	-	-	2
Flashing lights	182	7.4	-	1	181	-	2	31	-	149
Gates	174	7.0	-	1	172	1	-	31	-	143
<b>Total</b>	<b>621</b>	<b>25.1</b>	<b>-</b>	<b>2</b>	<b>618</b>	<b>1</b>	<b>4</b>	<b>101</b>	<b>-</b>	<b>516</b>

**Grand Total**

Type Warning	Total		Position on Crossing				Hazmat Released By			
	Cnt	%	Stalled	Stopped	Moving	Trapped	Hwy User	Rail User	Both	Neither
Unknown	15	0.6	-	2	13	-	-	2	-	13
Other	3	0.1	-	-	3	-	-	-	-	3
Cross bucks	755	30.5	24	117	612	2	4	143	1	607
Stop signs	259	10.5	5	46	206	2	1	62	1	195
Special warning	28	1.1	-	1	27	-	-	4	-	24
HWTS,WW,Bells	14	0.6	1	2	11	-	1	-	-	13
Flashing lights	505	20.4	15	80	407	3	5	102	-	398
Gates	893	36.1	102	319	436	36	3	184	2	704
<b>Total</b>	<b>2,472</b>	<b>100.0</b>	<b>147</b>	<b>567</b>	<b>1,715</b>	<b>43</b>	<b>14</b>	<b>497</b>	<b>4</b>	<b>1,957</b>

**TABLE 8-15 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSINGS, 2005  
BY TYPE VEHICLE AND WARNING**

**Rail Equip Struck Highway User**

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	937	37.9	4	-	238	83	8	6	176	422
Truck	149	6.0	1	-	54	18	-	1	22	53
Trk& Trail	324	13.1	1	1	98	62	3	3	56	100
Pickup Trk	261	10.6	1	-	106	30	-	1	42	81
Van	87	3.5	2	-	27	12	2	-	17	27
Bus	3	0.1	1	-	1	-	-	-	-	1
School Bus	1	0.0	-	-	-	-	-	-	-	1
Motorcycle	4	0.2	-	-	-	-	-	-	-	4
Oth Mtr V.	85	3.4	1	-	30	12	1	1	10	30
<b>Total</b>	<b>1,851</b>	<b>74.9</b>	<b>11</b>	<b>1</b>	<b>554</b>	<b>217</b>	<b>14</b>	<b>12</b>	<b>323</b>	<b>719</b>

**Highway User Struck Rail Equip**

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	367	14.8	2	2	119	19	9	1	109	106
Truck	39	1.6	-	-	10	3	-	-	17	9
Trk& Trail	41	1.7	1	-	11	6	2	1	12	8
Pickup Trk	119	4.8	1	-	39	13	1	-	34	31
Van	26	1.1	-	-	9	1	1	-	5	10
Bus	-	0.0	-	-	-	-	-	-	-	-
School Bus	-	0.0	-	-	-	-	-	-	-	-
Motorcycle	8	0.3	-	-	4	-	-	-	2	2
Oth Mtr V.	21	0.8	-	-	9	-	1	-	3	8
<b>Total</b>	<b>621</b>	<b>25.1</b>	<b>4</b>	<b>2</b>	<b>201</b>	<b>42</b>	<b>14</b>	<b>2</b>	<b>182</b>	<b>174</b>

**Grand Total**

Type Vehicle	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS,WW,Bells	Flashing lights	Gates
	Cnt	%								
Car	1,304	52.8	6	2	357	102	17	7	285	528
Truck	188	7.6	1	-	64	21	-	1	39	62
Trk& Trail	365	14.8	2	1	109	68	5	4	68	108
Pickup Trk	380	15.4	2	-	145	43	1	1	76	112
Van	113	4.6	2	-	36	13	3	-	22	37
Bus	3	0.1	1	-	1	-	-	-	-	1
School Bus	1	0.0	-	-	-	-	-	-	-	1
Motorcycle	12	0.5	-	-	4	-	-	-	2	6
Oth Mtr V.	106	4.3	1	-	39	12	2	1	13	38
<b>Total</b>	<b>2,472</b>	<b>100.0</b>	<b>15</b>	<b>3</b>	<b>755</b>	<b>259</b>	<b>28</b>	<b>14</b>	<b>505</b>	<b>893</b>

**TABLE 8-16 MOTOR VEHICLE HRC INCIDENTS AT PUBLIC CROSSING,  
BY WARNING STATUS FOR ACCIDENTS OCCURRING AT CROSSINGS  
WITH TRAIN ACTIVATED DEVICES BY TYPE VEHICLE, 2005**

**Rail Equip 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	604	571	13	4	2	2	2	10
Truck	76	68	3	-	2	3	-	-
Trk& Trail	159	153	5	-	-	-	1	-
Pickup Trk	124	120	4	-	-	-	-	-
Van	44	41	2	-	1	-	-	-
Bus	1	1	-	-	-	-	-	-
School Bus	1	1	-	-	-	-	-	-
Motorcycle	4	4	-	-	-	-	-	-
Oth Mtr V.	41	41	-	-	-	-	-	-
<b>Total</b>	<b>1,054</b>	<b>1,000</b>	<b>27</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>10</b>

**Highway User Struck Rail Equip**

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	216	198	9	-	-	1	1	7
Truck	26	24	1	-	1	-	-	-
Trk& Trail	21	18	1	-	-	1	-	1
Pickup Trk	65	61	1	-	-	-	-	3
Van	15	15	-	-	-	-	-	-
Bus	-	-	-	-	-	-	-	-
School Bus	-	-	-	-	-	-	-	-
Motorcycle	4	3	-	1	-	-	-	-
Oth Mtr V.	11	10	-	-	-	1	-	-
<b>Total</b>	<b>358</b>	<b>329</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>11</b>

**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	820	769	22	4	2	3	3	17
Truck	102	92	4	-	3	3	-	-
Trk& Trail	180	171	6	-	-	1	1	1
Pickup Trk	189	181	5	-	-	-	-	3
Van	59	56	2	-	1	-	-	-
Bus	1	1	-	-	-	-	-	-
School Bus	1	1	-	-	-	-	-	-
Motorcycle	8	7	-	1	-	-	-	-
Oth Mtr V.	52	51	-	-	-	1	-	-
<b>Total</b>	<b>1,412</b>	<b>1,329</b>	<b>39</b>	<b>5</b>	<b>6</b>	<b>8</b>	<b>4</b>	<b>21</b>

## CHAPTER 9

### HIGHWAY-RAIL 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 and the American Short Line Association, were assigned the responsibility for making a site-specific inventory of each highway-rail crossing and for installing a unique identifying number at each location. The railroads were also identified as being responsible for periodic updating of certain inventory information and 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 the updating of 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 location, physical, and operational characteristics to provide information for the administration and statistical analysis of crossings. This information is reported on a voluntary basis to the FRA on the U.S. DOT-AAR Crossing Inventory Form.

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 devise, 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.

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**HIGHWAY-RAIL CROSSING INVENTORY**

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TABLE 9-1 AT-GRADE HIGHWAY-RAIL CROSSINGS BY RAILROAD, 2005

Railroads	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alton & Southern	40	0.0	-	-	23	0.0	17	0.0
Alaska RR Corp.	333	0.1	9	0.0	106	0.0	218	0.1
Amtrak	283	0.1	13	0.0	58	0.0	212	0.1
Bangor & Aroostook	504	0.2	5	0.0	342	0.1	157	0.1
Burlington Northern Santa Fe	28,841	11.9	218	0.1	10,213	4.2	18,410	7.6
Belt Rwy Of Chicago	125	0.1	-	-	82	0.0	43	0.0
Canadian National	10,618	4.4	127	0.1	3,817	1.6	6,674	2.8
Canadian Pacific	5,306	2.2	65	0.0	2,430	1.0	2,811	1.2
Consolidated Rail Corp.	2,023	0.8	27	0.0	808	0.3	1,188	0.5
Conrail Shared Assets	814	0.3	1	0.0	220	0.1	593	0.2
CSX Transportation	26,934	11.1	283	0.1	9,211	3.8	17,440	7.2
Dakota,Minnesota & Eastern	3,065	1.3	10	0.0	1,032	0.4	2,023	0.8
Elgin, Joliet & Eastern	271	0.1	7	0.0	81	0.0	183	0.1
Florida East Coast	849	0.4	11	0.0	108	0.0	730	0.3
Grand Canyon Railway	23	0.0	1	0.0	13	0.0	9	0.0
Guilford Rail System	1,282	0.5	13	0.0	547	0.2	722	0.3
Indiana Harbor Belt	119	0.0	2	0.0	44	0.0	73	0.0
Kansas City Southern	4,932	2.0	11	0.0	1,991	0.8	2,930	1.2
Long Island Rail Road	356	0.1	11	0.0	56	0.0	289	0.1
MD Assn. of Rail Comm	132	0.1	4	0.0	78	0.0	50	0.0
Mass Bay Transit Auth.	286	0.1	1	0.0	18	0.0	267	0.1
Metro North Commuter	173	0.1	4	0.0	78	0.0	91	0.0
Montana Rail Link	1,123	0.5	3	0.0	707	0.3	413	0.2
Northern IN Comm Trans	139	0.1	7	0.0	23	0.0	109	0.0
Northeast IL Reg Comm	395	0.2	113	0.0	25	0.0	257	0.1
New Jersey Transit Rail	465	0.2	27	0.0	90	0.0	348	0.1
Norfolk Southern Corp.	31,859	13.2	150	0.1	12,592	5.2	19,117	7.9
Paducah & Louisville	374	0.2	3	0.0	147	0.1	224	0.1
Port Auth Trans Hudson	2	0.0	-	-	2	0.0	-	-
Port Terminal RR Assn	170	0.1	1	0.0	101	0.0	68	0.0
Southern CA Reg Rail Auth.	384	0.2	18	0.0	46	0.0	320	0.1
Southeastern PA Trans.	286	0.1	11	0.0	46	0.0	229	0.1
Term RR Assn Of St. Louis	124	0.1	-	-	11	0.0	113	0.0
Union Pacific	47,586	19.7	347	0.1	18,894	7.8	28,345	11.7
Union RR (Pittsburgh)	59	0.0	6	0.0	39	0.0	14	0.0
Wheeling & Lake Erie	977	0.4	9	0.0	406	0.2	562	0.2
Wisconsin & Southern RR	1,357	0.6	20	0.0	533	0.2	804	0.3
Other Railroads	69,208	28.6	487	0.2	28,671	11.9	40,050	16.6
<b>Total</b>	<b>241,817</b>	<b>100.0</b>	<b>2,025</b>	<b>0.8</b>	<b>93,689</b>	<b>38.7</b>	<b>146,103</b>	<b>60.4</b>

TABLE 9-2 AT-GRADE HIGHWAY-RAIL CROSSINGS BY STATE, 2005

States	Total		Pedestrian		Private Vehicle		Public Vehicle	
	Cnt	%	Cnt	%	Cnt	%	Cnt	%
Alabama	4,934	2.0	20	0.0	1,805	0.7	3,109	1.3
Alaska	337	0.1	9	0.0	106	0.0	222	0.1
Arizona	1,550	0.6	7	0.0	656	0.3	887	0.4
Arkansas	4,516	1.9	8	0.0	1,446	0.6	3,062	1.3
California	12,450	5.1	168	0.1	4,553	1.9	7,729	3.2
Colorado	3,108	1.3	21	0.0	1,212	0.5	1,875	0.8
Connecticut	657	0.3	9	0.0	278	0.1	370	0.2
Delaware	445	0.2	2	0.0	150	0.1	293	0.1
Dist Of Columbia	40	0.0	10	0.0	22	0.0	8	0.0
Florida	5,166	2.1	57	0.0	1,251	0.5	3,858	1.6
Georgia	8,270	3.4	37	0.0	2,477	1.0	5,756	2.4
Hawaii	8	0.0	-	-	-	-	8	0.0
Idaho	2,488	1.0	14	0.0	1,169	0.5	1,305	0.5
Illinois	13,111	5.4	378	0.2	4,564	1.9	8,169	3.4
Indiana	8,093	3.3	51	0.0	1,983	0.8	6,059	2.5
Iowa	8,060	3.3	49	0.0	3,525	1.5	4,486	1.9
Kansas	10,130	4.2	30	0.0	3,904	1.6	6,196	2.6
Kentucky	4,880	2.0	35	0.0	2,430	1.0	2,415	1.0
Louisiana	6,525	2.7	34	0.0	3,074	1.3	3,417	1.4
Maine	1,680	0.7	9	0.0	834	0.3	837	0.3
Maryland	1,390	0.6	7	0.0	692	0.3	691	0.3
Massachusetts	1,313	0.5	18	0.0	489	0.2	806	0.3
Michigan	7,896	3.3	65	0.0	2,484	1.0	5,347	2.2
Minnesota	7,615	3.1	56	0.0	2,755	1.1	4,804	2.0
Mississippi	4,311	1.8	16	0.0	1,935	0.8	2,360	1.0
Missouri	7,796	3.2	69	0.0	3,119	1.3	4,608	1.9
Montana	3,330	1.4	15	0.0	1,890	0.8	1,425	0.6
Nebraska	6,177	2.6	16	0.0	2,446	1.0	3,715	1.5
Nevada	548	0.2	3	0.0	247	0.1	298	0.1
New Hampshire	637	0.3	10	0.0	224	0.1	403	0.2
New Jersey	2,100	0.9	45	0.0	536	0.2	1,519	0.6
New Mexico	1,221	0.5	-	-	480	0.2	741	0.3
New York	5,831	2.4	79	0.0	2,853	1.2	2,899	1.2
North Carolina	7,259	3.0	54	0.0	3,059	1.3	4,146	1.7
North Dakota	5,892	2.4	17	0.0	1,797	0.7	4,078	1.7
Ohio	9,617	4.0	37	0.0	3,325	1.4	6,255	2.6
Oklahoma	5,539	2.3	13	0.0	1,463	0.6	4,063	1.7
Oregon	5,172	2.1	90	0.0	2,813	1.2	2,269	0.9
Pennsylvania	8,155	3.4	111	0.0	3,270	1.4	4,774	2.0
Rhode Island	191	0.1	1	0.0	72	0.0	118	0.0
South Carolina	4,038	1.7	10	0.0	1,245	0.5	2,783	1.2
South Dakota	3,385	1.4	7	0.0	1,254	0.5	2,124	0.9
Tennessee	4,783	2.0	24	0.0	1,773	0.7	2,986	1.2
Texas	16,806	6.9	32	0.0	6,127	2.5	10,647	4.4
Utah	1,608	0.7	2	0.0	697	0.3	909	0.4
Vermont	1,167	0.5	44	0.0	625	0.3	498	0.2
Virginia	4,827	2.0	43	0.0	2,735	1.1	2,049	0.8
Washington	5,479	2.3	51	0.0	2,773	1.1	2,655	1.1
West Virginia	3,495	1.4	54	0.0	1,906	0.8	1,535	0.6
Wisconsin	6,642	2.7	87	0.0	2,415	1.0	4,140	1.7
Wyoming	1,149	0.5	1	0.0	751	0.3	397	0.2
<b>Total</b>	<b>241,817</b>	<b>100.0</b>	<b>2,025</b>	<b>0.8</b>	<b>93,689</b>	<b>38.7</b>	<b>146,103</b>	<b>60.4</b>



TABLE 9-3 PUBLIC AT GRADE BY WARNING DEVICE AND RAILROAD, 2005

Railroads	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates
	Cnt	%								
Alton & Southern	17	0.01	-	-	5	-	-	-	7	5
Alaska RR Corp.	218	0.15	8	2	91	28	7	-	18	64
Amtrak	212	0.15	7	3	7	4	5	-	5	181
Bangor & Aroostook	157	0.11	-	-	58	3	5	-	86	5
Burlington Northern Santa Fe	18,410	12.60	330	28	9,218	874	124	106	2,244	5,486
Belt Rwy Of Chicago	43	0.03	5	-	13	-	1	-	8	16
Canadian National	6,674	4.57	92	16	2,443	886	53	32	1,487	1,665
Canadian Pacific	2,811	1.92	105	-	1,526	265	8	11	220	676
Consolidated Rail Corp.	1,188	0.81	143	115	348	31	212	17	237	85
Conrail Shared Assets	593	0.41	40	-	111	7	65	2	305	63
CSX Transportation	17,440	11.94	419	11	4,340	1,463	277	76	3,519	7,335
Dakota,Minnesota & Eastern	2,023	1.38	36	1	1,253	173	6	11	321	222
Elgin, Joliet & Eastern	183	0.13	-	-	18	4	4	1	36	120
Florida East Coast	730	0.50	9	-	46	3	27	-	31	614
Grand Canyon Railway	9	0.01	2	-	6	-	-	-	-	1
Guilford Rail System	722	0.49	19	3	155	31	102	14	233	165
Indiana Harbor Belt	73	0.05	1	-	10	-	13	-	18	31
Kansas City Southern	2,930	2.01	97	3	1,599	153	12	22	561	483
Long Island Rail Road	289	0.20	-	1	5	-	-	-	-	283
MD Assn. of Rail Comm	50	0.03	7	-	11	6	4	7	9	6
Mass Bay Transit Auth.	267	0.18	8	-	35	2	17	3	25	177
Metro North Commuter	91	0.06	2	-	3	-	1	1	44	40
Montana Rail Link	413	0.28	6	-	232	42	-	-	64	69
Northern IN Comm Trans	109	0.07	5	-	27	4	-	1	38	34
Northeast IL Reg Comm	257	0.18	41	-	-	1	-	-	7	208
New Jersey Transit Rail	348	0.24	7	-	26	1	8	1	76	229
Norfolk Southern Corp.	19,117	13.08	689	92	6,003	1,795	352	101	3,487	6,598
Paducah & Louisville	224	0.15	10	-	89	10	-	1	94	20
Port Terminal RR Assn	68	0.05	5	-	24	4	-	-	10	25
Southern CA Reg Rail Auth.	320	0.22	-	-	26	4	-	-	17	273
Southeastern PA Trans.	229	0.16	45	10	28	9	17	21	54	45
Term RR Assn Of St. Louis	113	0.08	1	-	12	2	39	-	17	42
Union Pacific	28,345	19.40	1,068	47	12,550	1,869	235	333	3,709	8,534
Union RR (Pittsburgh)	14	0.01	-	-	-	-	-	10	1	3
Wheeling & Lake Erie	562	0.38	8	-	273	22	1	2	143	113
Wisconsin & Southern RR	804	0.55	5	-	187	261	-	14	300	37
Other Railroads	40,050	27.41	1,306	228	21,744	3,809	1,036	486	6,986	4,455
<b>Total</b>	<b>146,103</b>	<b>100.0</b>	<b>4,526</b>	<b>560</b>	<b>62,522</b>	<b>11,766</b>	<b>2,631</b>	<b>1,273</b>	<b>24,417</b>	<b>38,408</b>

TABLE 9-4 PUBLIC AT GRADE BY WARNING DEVICE AND STATE, 2005

States	Total		Unknown	Other	Cross bucks	Stop signs	Special warning	HWTS, WW, Bells	Flashing lights	Gates	AADT
	Cnt	%									
Alabama	3,109	2.13	64	11	973	738	20	78	549	676	6,349,893
Alaska	222	0.15	9	2	94	28	7	-	18	64	514,578
Arizona	887	0.61	25	-	316	90	11	5	61	379	2,889,024
Arkansas	3,062	2.10	117	1	1,826	207	68	28	407	408	3,625,699
California	7,729	5.29	172	17	2,770	316	42	265	973	3,174	40,353,235
Colorado	1,875	1.28	62	3	898	208	30	32	231	411	3,653,949
Connecticut	370	0.25	14	-	28	48	29	5	142	104	1,299,187
Delaware	293	0.20	12	-	32	4	19	1	174	51	1,057,811
Dist Of Columbia	8	0.01	-	-	-	2	4	-	2	-	144,200
Florida	3,858	2.64	52	4	775	141	78	7	541	2,260	18,823,674
Georgia	5,756	3.94	144	7	2,289	1,054	100	16	291	1,855	9,256,244
Hawaii	8	0.01	-	1	6	1	-	-	-	-	27,000
Idaho	1,305	0.89	6	-	429	543	1	4	174	148	1,738,327
Illinois	8,169	5.59	247	4	3,050	79	106	72	2,100	2,511	21,475,068
Indiana	6,059	4.15	159	6	1,733	1,021	2	65	1,362	1,711	14,058,651
Iowa	4,486	3.07	35	2	2,290	400	15	29	826	889	5,543,589
Kansas	6,196	4.24	109	7	4,178	223	68	40	539	1,032	5,058,491
Kentucky	2,415	1.65	120	-	1,006	51	49	12	762	415	3,996,604
Louisiana	3,417	2.34	189	10	1,658	255	33	16	622	634	6,901,492
Maine	837	0.57	7	-	273	11	66	4	396	80	1,964,995
Maryland	691	0.47	27	1	252	38	23	23	214	113	2,462,160
Massachusetts	806	0.55	32	3	115	8	61	12	291	284	4,925,674
Michigan	5,347	3.66	144	7	1,173	1,582	90	28	1,335	988	14,785,716
Minnesota	4,804	3.29	68	5	2,487	854	18	8	502	862	6,517,302
Mississippi	2,360	1.62	80	68	913	463	27	7	493	309	4,325,897
Missouri	4,608	3.15	220	4	2,528	138	79	51	862	726	4,808,346
Montana	1,425	0.98	30	9	917	94	6	-	160	209	1,235,890
Nebraska	3,715	2.54	106	7	2,480	215	4	9	255	639	2,389,507
Nevada	298	0.20	3	2	126	10	2	1	24	130	909,035
New Hampshire	403	0.28	2	2	110	39	80	10	125	35	1,039,669
New Jersey	1,519	1.04	49	-	309	17	122	19	575	428	8,805,704
New Mexico	741	0.51	8	4	378	19	1	5	104	222	889,014
New York	2,899	1.98	85	21	548	22	145	54	405	1,619	7,690,906
North Carolina	4,146	2.84	136	10	1,479	77	107	19	624	1,694	11,431,578
North Dakota	4,078	2.79	130	-	3,322	63	1	-	44	518	1,158,092
Ohio	6,255	4.28	71	9	2,534	166	67	23	1,055	2,330	14,253,080
Oklahoma	4,063	2.78	61	7	2,544	103	56	19	560	713	4,430,263
Oregon	2,269	1.55	120	44	830	425	90	42	133	585	4,497,111
Pennsylvania	4,774	3.27	316	259	1,635	118	407	70	1,200	769	14,158,409
Rhode Island	118	0.08	22	1	7	4	22	22	24	16	547,375
South Carolina	2,783	1.90	14	-	773	537	97	4	425	933	6,941,374
South Dakota	2,124	1.45	75	-	1,779	31	-	1	210	28	1,262,622
Tennessee	2,986	2.04	233	2	1,234	161	128	14	636	578	6,028,751
Texas	10,647	7.29	403	5	4,679	271	76	74	1,254	3,885	38,942,761
Utah	909	0.62	63	4	371	45	75	7	153	191	1,662,262
Vermont	498	0.34	8	-	188	28	34	2	206	32	764,326
Virginia	2,049	1.40	53	3	471	8	6	7	406	1,095	5,822,772
Washington	2,655	1.82	250	2	1,333	99	38	25	364	544	4,836,205
West Virginia	1,535	1.05	121	6	679	24	17	5	456	227	1,658,533
Wisconsin	4,140	2.83	45	-	1,579	681	3	32	1,081	719	9,130,278
Wyoming	397	0.27	8	-	125	6	1	1	71	185	350,551
<b>Total</b>	<b>146,103</b>	<b>100.0</b>	<b>4,526</b>	<b>560</b>	<b>62,522</b>	<b>11,766</b>	<b>2,631</b>	<b>1,273</b>	<b>24,417</b>	<b>38,408</b>	<b>337,392,874</b>

TABLE 9-5 PRIVATE/PEDESTRIAN AT GRADE BY DEVELOPMENT AND RAILROAD, 2005

Railroads	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alton & Southern	23	0.02	-	8	5	1	9
Alaska RR Corp.	106	0.11	1	3	13	6	83
Amtrak	58	0.06	-	27	11	2	18
Bangor & Aroostook	342	0.36	-	148	33	45	116
Burlington Northern Santa Fe	10,212	10.89	5	7,003	785	107	2,312
Belt Rwy Of Chicago	82	0.09	-	-	-	-	82
Canadian National	3,817	4.07	11	2,305	417	61	1,023
Canadian Pacific	2,430	2.59	3	1,783	200	68	376
Consolidated Rail Corp.	808	0.86	-	354	88	32	334
Conrail Shared Assets	220	0.23	1	42	19	4	154
CSX Transportation	9,219	9.84	402	4,820	1,718	177	2,102
Dakota, Minnesota & Eastern	1,033	1.10	4	852	59	8	110
Elgin, Joliet & Eastern	81	0.09	5	22	-	-	54
Florida East Coast	110	0.12	83	3	2	1	21
Grand Canyon Railway	13	0.01	-	11	-	1	1
Guilford Rail System	548	0.58	-	162	53	23	310
Indiana Harbor Belt	44	0.05	4	-	-	-	40
Kansas City Southern	1,991	2.12	6	1,371	208	11	395
Long Island Rail Road	56	0.06	-	43	4	3	6
MD Assn. of Rail Comm	78	0.08	-	50	10	2	16
Mass Bay Transit Auth.	18	0.02	1	11	1	1	4
Metro North Commuter	78	0.08	-	19	10	8	41
Montana Rail Link	707	0.75	-	491	62	16	138
Northern IN Comm Trans	28	0.03	8	6	-	2	12
Northeast IL Reg Comm	30	0.03	1	2	7	1	19
New Jersey Transit Rail	90	0.10	-	32	19	4	35
Norfolk Southern Corp.	12,599	13.44	955	6,533	2,537	208	2,366
Paducah & Louisville	147	0.16	-	64	34	-	49
Port Auth Trans Hudson	2	0.00	-	1	-	-	1
Port Terminal RR Assn	101	0.11	-	2	-	-	99
Southern CA Reg Rail Auth.	46	0.05	-	13	6	3	24
Southeastern PA Trans.	46	0.05	-	19	12	2	13
Term RR Assn Of St. Louis	11	0.01	-	3	-	-	8
Union Pacific	18,895	20.16	162	12,123	1,546	204	4,860
Union RR (Pittsburgh)	39	0.04	-	-	-	-	39
Wheeling & Lake Erie	406	0.43	1	217	36	6	146
Wisconsin & Southern RR	533	0.57	-	429	21	13	70
Other Railroads	28,689	30.61	268	17,375	3,793	576	6,677
<b>Total</b>	<b>93,736</b>	<b>100.0</b>	<b>1,921</b>	<b>56,347</b>	<b>11,709</b>	<b>1,596</b>	<b>22,163</b>

TABLE 9-6 PRIVATE/PEDESTRIAN AT GRADE BY TYPE DEVELOPMENT AND STATE, 2005

States	Total		Not reported	Farm	Residential	Recreational	Industrial
	Cnt	%					
Alabama	1,804	1.92	14	1,060	298	26	406
Alaska	106	0.11	1	3	13	6	83
Arizona	656	0.70	1	374	24	10	247
Arkansas	1,446	1.54	-	945	208	20	273
California	4,554	4.86	10	2,037	320	119	2,068
Colorado	1,212	1.29	2	737	230	12	231
Connecticut	278	0.30	3	55	39	33	148
Delaware	150	0.16	-	82	37	4	27
Dist Of Columbia	30	0.03	2	-	1	-	27
Florida	1,260	1.34	211	408	180	24	437
Georgia	2,477	2.64	5	1,355	594	32	491
Idaho	1,170	1.25	1	762	42	9	356
Illinois	4,568	4.87	8	2,938	404	65	1,153
Indiana	1,997	2.13	107	1,191	373	20	306
Iowa	3,525	3.76	10	2,564	313	46	592
Kansas	3,904	4.16	-	3,306	192	7	399
Kentucky	2,430	2.59	1	1,381	675	15	358
Louisiana	3,074	3.28	-	1,667	470	20	917
Maine	834	0.89	-	348	114	72	300
Maryland	692	0.74	-	390	71	15	216
Massachusetts	489	0.52	1	164	55	37	232
Michigan	2,484	2.65	4	1,260	371	122	727
Minnesota	2,757	2.94	7	1,968	220	50	512
Mississippi	1,935	2.06	15	1,242	394	9	275
Missouri	3,119	3.33	1	2,217	320	21	560
Montana	1,890	2.02	1	1,471	107	25	286
Nebraska	2,446	2.61	-	2,170	78	8	190
Nevada	247	0.26	161	32	3	7	44
New Hampshire	225	0.24	2	112	32	23	56
New Jersey	536	0.57	1	185	61	9	280
New Mexico	480	0.51	-	353	24	2	101
New York	2,861	3.05	6	1,865	344	153	493
North Carolina	3,061	3.27	13	1,406	854	36	752
North Dakota	1,797	1.92	-	1,605	25	6	161
Ohio	3,325	3.55	20	2,087	351	39	828
Oklahoma	1,462	1.56	1	1,071	142	9	239
Oregon	2,814	3.00	1	1,330	334	40	1,109
Pennsylvania	3,271	3.49	15	1,339	590	150	1,177
Rhode Island	72	0.08	-	7	18	10	37
South Carolina	1,245	1.33	-	618	301	19	307
South Dakota	1,254	1.34	-	1,042	77	4	131
Tennessee	1,774	1.89	9	1,000	390	24	351
Texas	6,127	6.54	7	3,984	619	31	1,486
Utah	697	0.74	-	453	33	16	195
Vermont	625	0.67	-	438	58	26	103
Virginia	2,732	2.91	1,269	957	186	17	303
Washington	2,773	2.96	6	1,340	359	49	1,019
West Virginia	1,906	2.03	1	843	573	44	445
Wisconsin	2,415	2.58	2	1,577	180	54	602
Wyoming	750	0.80	2	608	12	1	127
<b>Total</b>	<b>93,736</b>	<b>100.0</b>	<b>1,921</b>	<b>56,347</b>	<b>11,709</b>	<b>1,596</b>	<b>22,163</b>

**CHAPTER 10****TRESPASSERS, NOT AT HIGHWAY-RAIL CROSSINGS**

A “trespasser” is defined as any person who is on that part of 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 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 F 6180.55a, they are excluded from this chapter because the incident is defined as a highway-rail incident. These casualties can be found in Chapters 7 and 8 that summarize highway-rail crossing incidents.

**CONTENTS****CHAPTER 10****TRESPASSERS, NOT AT HIGHWAY-RAIL CROSSINGS**

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TABLE 10-1 REPORTABLE CONDITIONS TO TRESPASSERS NOT AT HRC, 2005

Condition	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	
Bruise/contusion	52	4	-	-	2	7	6	5	9	4	4	6	2	2	1	
Crushing injury	18	-	-	-	-	2	1	1	2	1	4	4	3	-	-	
Sprain/Str.,leg/foot	9	1	-	-	-	2	-	3	2	1	-	-	-	-	-	
Sprain/Str.,head/fac	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	
Sprain/Str.,torso	3	-	-	-	-	-	-	-	1	-	1	-	-	-	1	
Sprain/Str., other	3	-	-	-	-	1	2	-	-	-	-	-	-	-	-	
Cut/abrasion	82	4	-	-	5	6	2	10	10	17	12	11	2	1	2	
Puncture wound	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	
Electric shock/burn	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other burn	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	
Fracture,arm/hand	17	2	-	-	-	3	2	3	1	4	1	-	-	1	-	
Fracture,leg/foot	32	3	-	1	2	4	7	3	5	3	1	2	-	-	1	
Fracture,head/face	6	1	-	-	-	1	-	-	1	1	-	1	-	1	-	
Fracture,torso	11	-	-	-	1	1	2	-	4	1	-	-	1	-	1	
Fracture,multiple	6	-	-	-	-	-	1	-	-	-	1	-	1	2	1	
Fracture,other	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	
Dental related	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Amputation,arm/hand	14	2	-	1	-	-	-	3	-	3	4	1	-	-	-	
Amputation,leg/foot	61	5	-	4	4	7	8	7	1	7	6	6	4	1	1	
Fatality	467	42	3	3	15	43	46	41	38	45	56	42	47	17	29	
Concussion	2	-	-	-	-	1	-	1	-	-	-	-	-	-	-	
Internal injury	13	-	-	-	-	1	1	1	1	2	2	3	1	-	1	
Skin reaction	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Unspecified injury	66	15	-	-	1	3	4	11	1	8	6	9	4	2	2	
<b>Total</b>	<b>873</b>	<b>81</b>	<b>3</b>	<b>9</b>	<b>30</b>	<b>85</b>	<b>82</b>	<b>92</b>	<b>77</b>	<b>98</b>	<b>98</b>	<b>85</b>	<b>66</b>	<b>27</b>	<b>40</b>	

TABLE 10-2 TRESPASSERS KILLED, BY RAILROAD AND AGE, NOT AT HRC, 2005

Railroads	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
Alaska RR Corp.	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Amtrak	71	8	1	2	5	5	5	11	3	5	8	4	8	2	4
Burlington Northern Santa Fe	77	7	1	-	1	9	8	8	8	3	10	4	10	2	6
Canadian National	8	1	-	-	1	1	1	-	-	1	1	-	1	-	1
Conrail Shared Assets	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
CSX Transportation	61	13	-	-	-	4	3	8	4	6	5	5	6	5	2
Dakota,Minnesota & Eastern	2	-	-	-	-	-	-	-	-	1	-	-	1	-	-
Florida East Coast	17	-	-	-	-	-	2	1	-	2	3	3	2	1	3
Guilford Rail System	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-
Kansas City Southern	5	-	-	-	-	1	1	-	1	-	1	-	1	-	-
Long Island Rail Road	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
MD Assn. of Rail Comm	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Mass Bay Transit Auth.	3	-	-	-	-	2	-	-	-	1	-	-	-	-	-
Metro North Commuter	2	-	-	-	-	-	-	-	1	1	-	-	-	-	-
Montana Rail Link	3	-	-	-	-	-	1	-	-	-	-	1	1	-	-
Northeast IL Reg Comm	7	2	-	-	-	1	-	-	-	1	1	-	2	-	-
New Jersey Transit Rail	7	-	-	-	-	3	1	-	-	-	-	1	2	-	-
Norfolk Southern Corp.	72	-	-	-	3	9	7	4	9	11	12	8	5	2	2
Paducah & Louisville	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Peninsula Comm San Mateo Cnty	9	3	-	-	-	-	2	1	-	-	-	-	2	1	-
Southern CA Reg Rail Auth.	5	3	-	-	-	-	-	-	-	-	-	1	-	1	-
Southeastern PA Trans.	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Union Pacific	95	-	-	1	3	8	10	7	11	13	14	14	2	3	9
Other Railroads	14	3	1	-	1	-	4	1	1	-	1	-	1	-	1
<b>Total</b>	<b>467</b>	<b>42</b>	<b>3</b>	<b>3</b>	<b>15</b>	<b>43</b>	<b>46</b>	<b>41</b>	<b>38</b>	<b>45</b>	<b>56</b>	<b>42</b>	<b>47</b>	<b>17</b>	<b>29</b>



TABLE 10-3 TRESPASSERS KILLED, BY STATE AND AGE, NOT AT HRC, 2005

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	6	2	-	-	1	-	1	-	-	-	1	-	1	-	-	
Alaska	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	
Arizona	21	3	-	-	-	-	4	-	-	3	1	3	5	1	1	
Arkansas	4	-	-	-	-	2	1	-	-	-	-	1	-	-	-	
California	88	7	1	-	1	4	10	8	5	7	15	4	11	6	9	
Colorado	3	-	1	-	-	-	-	-	1	-	-	-	1	-	-	
Connecticut	3	-	-	1	-	-	-	-	-	-	-	2	-	-	-	
Delaware	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	
Dist Of Columbia	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	
Florida	34	3	-	-	-	-	3	3	2	2	6	5	3	3	4	
Georgia	14	2	-	-	-	1	-	1	-	4	1	2	2	-	1	
Idaho	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
Illinois	20	3	-	-	-	1	-	-	-	4	3	1	5	-	3	
Indiana	14	-	-	-	1	3	2	1	2	-	2	1	1	1	-	
Iowa	2	-	-	-	-	-	1	-	-	-	-	-	-	-	1	
Kansas	2	-	-	-	-	-	-	1	-	-	1	-	-	-	-	
Kentucky	7	1	-	-	-	1	-	-	-	2	-	-	1	1	1	
Louisiana	10	-	1	-	-	1	1	-	2	2	2	-	-	-	1	
Maryland	10	3	-	1	1	-	-	2	1	-	-	2	-	-	-	
Massachusetts	5	-	-	-	-	2	-	-	-	1	-	-	2	-	-	
Michigan	5	1	-	-	-	-	-	-	2	-	-	-	2	-	-	
Minnesota	2	-	-	-	-	-	-	-	1	-	1	-	-	-	-	
Mississippi	8	1	-	-	-	1	1	-	1	-	2	-	1	-	1	
Missouri	5	-	-	-	-	1	-	1	1	-	1	-	-	-	1	
Montana	7	1	-	-	-	1	2	1	-	-	-	1	1	-	-	
Nebraska	5	-	-	-	-	-	-	1	1	2	-	1	-	-	-	
Nevada	4	-	-	-	-	-	-	1	-	-	2	1	-	-	-	
New Jersey	13	-	-	-	-	4	1	2	-	-	-	2	3	-	1	
New Mexico	8	-	-	-	-	2	2	1	1	1	1	-	-	-	-	
New York	12	2	-	-	-	1	2	2	1	2	1	1	-	-	-	
North Carolina	18	2	-	-	1	2	1	1	1	2	2	1	1	2	2	
Ohio	14	2	-	-	1	3	1	2	1	3	-	1	-	-	-	
Oklahoma	5	1	-	-	-	-	1	-	1	-	1	-	1	-	-	
Oregon	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-	
Pennsylvania	15	2	-	-	-	1	1	4	2	1	2	2	-	-	-	
South Carolina	11	-	-	-	1	2	-	1	-	3	1	-	2	1	-	
South Dakota	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	
Tennessee	11	2	-	-	-	1	2	2	-	2	1	1	-	-	-	
Texas	44	3	-	1	3	3	6	2	7	3	4	7	2	1	2	
Virginia	3	-	-	-	-	-	-	-	1	-	2	-	-	-	-	
Washington	14	-	-	-	-	3	2	2	2	-	1	1	2	-	1	
West Virginia	5	-	-	-	-	1	1	-	1	-	1	-	-	1	-	
Wisconsin	6	1	-	-	2	2	-	1	-	-	-	-	-	-	-	
Wyoming	2	-	-	-	1	-	-	1	-	-	-	-	-	-	-	
Total	467	42	3	3	15	43	46	41	38	45	56	42	47	17	29	

TABLE 10-4 TRESPASSERS INJURED, BY RAILROAD AND AGE, NOT AT HRC, 2005

Railroads	Cnt	%	Age of Trespasser													
			Unk	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60	
Amtrak	28	6.9	6	-	-	-	-	3	1	6	1	4	3	3	1	-
Burlington Northern Santa Fe	64	15.8	10	1	5	9	5	7	5	5	5	5	6	3	2	1
Canadian National	9	2.2	1	-	-	1	-	1	2	2	1	-	1	-	-	-
Canadian Pacific	1	0.2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Conrail Shared Assets	1	0.2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
CSX Transportation	56	13.8	11	2	2	3	11	4	2	9	4	6	2	-	-	-
Dakota,Minnesota & Eastern	1	0.2	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Florida East Coast	6	1.5	-	-	-	-	-	-	1	1	2	1	-	1	-	-
Guilford Rail System	3	0.7	-	-	1	1	-	-	-	-	-	-	-	-	-	1
Indiana Harbor Belt	1	0.2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Kansas City Southern	10	2.5	3	-	-	3	1	-	-	1	-	1	1	-	-	-
Long Island Rail Road	4	1.0	1	-	-	-	-	1	-	-	1	-	-	-	1	-
Metro North Commuter	3	0.7	2	-	-	-	-	-	-	-	-	-	1	-	-	-
Montana Rail Link	3	0.7	-	-	-	1	-	-	-	-	-	1	1	-	-	-
Northeast IL Reg Comm	4	1.0	1	-	-	-	-	1	-	1	-	1	-	-	-	-
New Jersey Transit Rail	5	1.2	1	-	-	-	-	1	-	-	1	1	1	-	-	-
Norfolk Southern Corp.	64	15.8	-	1	3	10	4	12	6	9	7	10	-	1	1	-
Port Auth Trans Hudson	3	0.7	1	-	-	-	-	-	-	1	-	1	-	-	-	-
Peninsula Comm San Mateo Cnty	3	0.7	-	-	-	-	-	-	1	-	1	-	-	-	-	1
Southern CA Reg Rail Auth.	3	0.7	-	-	-	-	-	-	-	1	1	-	1	-	-	-
Union Pacific	123	30.3	-	1	4	11	12	23	14	21	11	9	7	4	6	-
Other Railroads	11	2.7	2	1	-	3	-	-	1	-	3	-	-	-	-	1
<b>Total</b>	<b>406</b>	<b>100</b>	<b>39</b>	<b>6</b>	<b>15</b>	<b>42</b>	<b>36</b>	<b>51</b>	<b>39</b>	<b>53</b>	<b>42</b>	<b>43</b>	<b>19</b>	<b>10</b>	<b>11</b>	<b>-</b>

TABLE 10-5 TRESPASSERS INJURED, BY STATE AND AGE, NOT AT HRC, 2005

States	Cnt	%	Age of Trespasser												
			Unk	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	> 60
Alabama	12	3.0	-	-	-	2	1	3	-	1	-	2	1	1	1
Arizona	15	3.7	-	1	-	-	2	2	4	3	-	2	1	-	-
Arkansas	7	1.7	-	1	3	-	-	-	1	-	1	1	-	-	-
California	65	16.0	5	-	1	4	5	15	5	8	7	4	5	2	4
Colorado	11	2.7	1	-	1	2	1	1	1	2	-	2	-	-	-
Connecticut	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-
Delaware	2	0.5	1	-	-	-	1	-	-	-	-	-	-	-	-
Florida	22	5.4	4	1	-	1	3	-	1	2	5	4	-	1	-
Georgia	13	3.2	1	-	-	1	3	2	1	3	-	-	1	-	1
Idaho	1	0.2	-	-	-	-	-	-	-	-	1	-	-	-	-
Illinois	19	4.7	2	-	2	1	-	1	3	3	2	4	-	-	1
Indiana	5	1.2	-	1	-	2	-	-	-	-	-	2	-	-	-
Iowa	2	0.5	1	-	-	-	-	-	-	1	-	-	-	-	-
Kansas	7	1.7	-	-	-	1	1	-	-	1	2	1	1	-	-
Kentucky	6	1.5	-	-	-	1	-	2	-	1	2	-	-	-	-
Louisiana	11	2.7	2	-	-	3	-	1	2	1	-	1	1	-	-
Maryland	8	2.0	2	1	-	-	1	-	-	2	1	1	-	-	-
Massachusetts	5	1.2	2	-	1	1	-	-	-	-	-	-	-	-	1
Michigan	2	0.5	-	-	-	-	-	-	1	-	-	-	1	-	-
Minnesota	3	0.7	-	-	-	-	-	2	-	-	-	-	1	-	-
Mississippi	7	1.7	4	-	-	2	-	-	-	1	-	-	-	-	-
Missouri	11	2.7	-	1	-	2	1	-	2	2	-	2	-	-	1
Montana	4	1.0	1	-	-	1	-	-	-	-	1	1	-	-	-
Nebraska	1	0.2	-	-	-	-	-	-	-	-	-	-	-	1	-
Nevada	4	1.0	-	-	-	-	-	-	1	2	1	-	-	-	-
New Jersey	7	1.7	2	-	-	-	-	1	-	1	1	1	1	-	-
New Mexico	7	1.7	1	-	1	-	-	1	3	1	-	-	-	-	-
New York	10	2.5	3	-	-	-	1	1	-	-	1	3	-	1	-
North Carolina	13	3.2	-	-	1	1	3	1	1	2	2	2	-	-	-
North Dakota	2	0.5	-	-	1	-	-	-	-	-	1	-	-	-	-
Ohio	16	3.9	-	-	-	1	1	1	-	3	4	5	1	-	-
Oklahoma	4	1.0	1	-	-	-	1	-	-	1	-	-	-	-	1
Oregon	8	2.0	-	-	-	3	-	-	1	1	3	-	-	-	-
Pennsylvania	11	2.7	-	-	-	2	1	4	1	1	1	-	1	-	-
South Carolina	7	1.7	-	-	-	-	1	1	3	2	-	-	-	-	-
Tennessee	7	1.7	2	-	-	2	-	-	-	-	2	1	-	-	-
Texas	40	9.9	2	-	2	6	4	8	5	4	2	2	3	1	1
Utah	2	0.5	-	-	-	-	1	-	-	-	-	1	-	-	-
Vermont	1	0.2	1	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	3	0.7	-	-	1	-	-	-	1	1	-	-	-	-	-
Washington	13	3.2	-	-	-	2	3	2	1	-	1	1	1	2	-
West Virginia	5	1.2	-	-	1	-	1	2	1	-	-	-	-	-	-
Wisconsin	4	1.0	-	-	-	-	-	-	-	3	1	-	-	-	-
Wyoming	2	0.5	-	-	-	1	-	-	-	-	-	-	-	1	-
<b>Total</b>	<b>406</b>	<b>100</b>	<b>39</b>	<b>6</b>	<b>15</b>	<b>42</b>	<b>36</b>	<b>51</b>	<b>39</b>	<b>53</b>	<b>42</b>	<b>43</b>	<b>19</b>	<b>10</b>	<b>11</b>

TABLE 10-6 TRESPASSERS NOT AT HRC BY STATE AND AGE GROUP, 2005

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	2	1	-	3	6	1.3	-	-	2	10	12	3.0
Alaska	-	1	-	-	1	0.2	-	-	-	-	0	0.0
Arizona	3	-	2	16	21	4.5	-	1	1	13	15	3.7
Arkansas	-	-	2	2	4	0.9	-	4	-	3	7	1.7
California	7	2	8	71	88	18.8	5	1	4	55	65	16.0
Colorado	-	1	-	2	3	0.6	1	1	2	7	11	2.7
Connecticut	-	1	-	2	3	0.6	1	-	-	-	1	0.2
Delaware	-	-	-	1	1	0.2	1	-	-	1	2	0.5
Dist Of Columbia	-	-	-	1	1	0.2	-	-	-	-	0	0.0
Florida	3	-	1	30	34	7.3	4	1	1	16	22	5.4
Georgia	2	-	1	11	14	3.0	1	-	1	11	13	3.2
Idaho	-	-	-	1	1	0.2	-	-	-	1	1	0.2
Illinois	3	-	1	16	20	4.3	2	2	1	14	19	4.7
Indiana	-	1	3	10	14	3.0	-	1	2	2	5	1.2
Iowa	-	-	1	1	2	0.4	1	-	-	1	2	0.5
Kansas	-	-	-	2	2	0.4	-	-	1	6	7	1.7
Kentucky	1	-	1	5	7	1.5	-	-	1	5	6	1.5
Louisiana	-	1	2	7	10	2.1	2	-	3	6	11	2.7
Maryland	3	2	-	5	10	2.1	2	1	-	5	8	2.0
Massachusetts	-	-	2	3	5	1.1	2	1	1	1	5	1.2
Michigan	1	-	-	4	5	1.1	-	-	-	2	2	0.5
Minnesota	-	-	-	2	2	0.4	-	-	-	3	3	0.7
Mississippi	1	-	1	6	8	1.7	4	-	2	1	7	1.7
Missouri	-	-	1	4	5	1.1	-	1	2	8	11	2.7
Montana	1	-	1	5	7	1.5	1	-	1	2	4	1.0
Nebraska	-	-	-	5	5	1.1	-	-	-	1	1	0.2
Nevada	-	-	-	4	4	0.9	-	-	-	4	4	1.0
New Jersey	-	-	4	9	13	2.8	2	-	-	5	7	1.7
New Mexico	-	-	2	6	8	1.7	1	1	-	5	7	1.7
New York	2	-	2	8	12	2.6	3	-	1	6	10	2.5
North Carolina	2	1	2	13	18	3.9	-	1	2	10	13	3.2
North Dakota	-	-	-	-	0	0.0	-	1	-	1	2	0.5
Ohio	2	1	3	8	14	3.0	-	-	1	15	16	3.9
Oklahoma	1	-	-	4	5	1.1	1	-	-	3	4	1.0
Oregon	-	1	-	1	2	0.4	-	-	3	5	8	2.0
Pennsylvania	2	-	1	12	15	3.2	-	-	2	9	11	2.7
South Carolina	-	1	2	8	11	2.4	-	-	-	7	7	1.7
South Dakota	-	-	-	1	1	0.2	-	-	-	-	0	0.0
Tennessee	2	-	2	7	11	2.4	2	-	2	3	7	1.7
Texas	3	4	3	34	44	9.4	2	2	8	28	40	9.9
Utah	-	-	-	-	0	0.0	-	-	-	2	2	0.5
Vermont	-	-	-	-	0	0.0	1	-	-	-	1	0.2
Virginia	-	-	-	3	3	0.6	-	1	-	2	3	0.7
Washington	-	-	3	11	14	3.0	-	-	3	10	13	3.2
West Virginia	-	-	1	4	5	1.1	-	1	-	4	5	1.2
Wisconsin	1	2	2	1	6	1.3	-	-	-	4	4	1.0
Wyoming	-	1	-	1	2	0.4	-	-	1	1	2	0.5
<b>Total</b>	<b>42</b>	<b>21</b>	<b>54</b>	<b>350</b>	<b>467</b>	<b>100.0</b>	<b>39</b>	<b>21</b>	<b>48</b>	<b>298</b>	<b>406</b>	<b>100.0</b>

TABLE 10-7 TRESPASSERS CASUALTIES, BY MONTH AND DAY, NOT AT HRC, 2005

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	22	2.5	5	5	2	2	-	4	4	1	1	4	16	
	February	40	4.6	11	3	6	4	6	8	2	2	1	6	31	
	March	35	4.0	3	4	4	4	3	8	9	5	1	3	26	
	April	36	4.1	7	11	5	1	5	2	5	4	3	3	26	
	May	63	7.2	11	9	7	7	7	9	13	4	3	9	47	
	June	35	4.0	6	-	7	4	4	5	9	5	2	3	25	
	July	42	4.8	8	6	8	2	3	5	10	4	1	5	32	
	August	36	4.1	4	6	7	6	1	5	7	3	3	4	26	
	September	59	6.8	8	7	9	3	5	13	14	6	3	5	45	
	October	31	3.6	8	3	3	6	2	3	6	2	-	4	25	
	November	41	4.7	6	7	3	7	5	7	6	4	2	8	27	
	December	27	3.1	6	2	2	4	3	3	7	2	1	-	24	
	<b>Total</b>		467	53.5	83	63	63	50	44	72	92	42	21	54	350
	Nonfatal	January	29	3.3	7	4	2	5	2	3	6	1	1	2	25
February		25	2.9	3	2	8	3	3	3	3	3	-	2	20	
March		44	5.0	6	4	10	10	5	6	3	4	4	2	34	
April		41	4.7	11	3	2	2	5	7	11	3	2	8	28	
May		33	3.8	5	8	8	1	3	1	7	3	3	2	25	
June		36	4.1	5	5	5	3	10	2	6	3	2	6	25	
July		50	5.7	9	6	10	5	3	10	7	7	2	10	31	
August		28	3.2	6	2	1	5	2	3	9	3	-	2	23	
September		30	3.4	5	4	4	4	4	6	3	4	1	3	22	
October		45	5.2	5	5	4	8	4	7	12	3	3	8	31	
November		16	1.8	2	3	2	1	4	3	1	2	1	1	12	
December		29	3.3	5	-	4	5	1	7	7	3	2	2	22	
<b>Total</b>			406	46.5	69	46	60	52	46	58	75	39	21	48	298
<b>Total</b>			873	100	152	109	123	102	90	130	167	81	42	102	648

TABLE 10-8 TRESPASSERS CASUALTIES, BY TIME AND DAY, NOT AT HRC, 2005

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	Nonfatal
AM 1	48	10	7	3	-	2	4	3	3	3	1	2	3	4	3
2	30	1	2	4	-	2	2	1	-	2	2	3	5	4	2
3	44	6	7	2	4	1	2	1	-	1	2	1	2	9	6
4	27	2	3	3	-	-	2	1	1	1	2	2	2	3	5
5	23	3	1	-	1	2	2	1	-	1	2	3	2	5	-
6	25	1	2	2	2	4	2	3	2	-	-	3	1	2	1
7	29	1	2	-	2	4	2	2	1	3	2	5	2	1	2
8	22	1	-	1	1	2	-	3	3	3	2	2	1	1	2
9	24	5	-	4	-	3	2	2	-	2	1	1	2	1	1
10	20	1	1	-	2	1	-	1	2	-	1	-	3	6	2
11	32	5	2	3	-	2	4	3	1	3	1	4	-	2	2
12	45	6	6	2	2	5	1	3	1	1	2	5	2	2	7
Total	369	42	33	24	14	28	23	24	14	20	18	31	25	40	33
PM 1	30	4	3	2	3	1	1	2	4	1	-	1	1	4	3
2	27	-	2	2	2	2	4	1	1	3	-	3	-	4	3
3	43	1	4	1	4	3	2	4	3	3	2	5	2	5	4
4	48	4	1	5	4	1	4	4	3	3	5	3	6	2	3
5	47	5	6	3	5	3	4	2	4	2	3	1	4	1	4
6	45	3	2	3	2	7	4	3	4	4	2	2	2	5	2
7	56	6	8	2	3	5	6	3	2	1	3	6	1	4	6
8	37	2	4	4	5	2	1	4	4	2	1	2	-	3	3
9	46	3	1	4	1	3	3	-	3	2	5	5	2	5	9
10	32	3	2	3	1	1	2	-	2	1	-	3	5	6	3
11	50	8	1	3	2	7	3	1	2	1	3	7	2	9	1
12	43	2	2	7	-	-	3	2	6	1	4	3	8	4	1
Total	504	41	36	39	32	35	37	26	38	24	28	41	33	52	42
Total	873	83	69	63	46	63	60	50	52	44	46	72	58	92	75

TABLE 10-9 TRESPASSERS CASUALTIES, BY LOCATION, NOT AT HRC, 2005

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Alongside of on-track equipmen	71	8.1	27	5.8	44	10.8	4	5	9	53
Beside track	151	17.3	62	13.3	89	21.9	16	5	18	112
Between tracks	169	19.4	121	25.9	48	11.8	9	6	24	130
Between cars/locomotives	32	3.7	7	1.5	25	6.2	-	6	6	20
In cab or on walkways of locom	3	0.3	-	0.0	3	0.7	-	-	-	3
In car	12	1.4	4	0.9	8	2.0	-	-	-	12
In/operating vehicle	24	2.7	7	1.5	17	4.2	4	2	2	16
In tunnel	1	0.1	-	0.0	1	0.2	-	-	-	1
On bridge/trestle	34	3.9	14	3.0	20	4.9	4	1	5	24
On highway-rail crossing	7	0.8	4	0.9	3	0.7	2	-	-	5
On other rail crossing	2	0.2	-	0.0	2	0.5	-	-	-	2
On side of car	19	2.2	2	0.4	17	4.2	-	2	7	10
On track	317	36.3	208	44.5	109	26.8	35	14	29	239
On end of car	9	1.0	3	0.6	6	1.5	-	-	1	8
On platform	6	0.7	2	0.4	4	1.0	3	-	-	3
On ladder	2	0.2	-	0.0	2	0.5	2	-	-	-
Under car	5	0.6	1	0.2	4	1.0	1	1	1	2
Under locomotive	1	0.1	1	0.2	-	0.0	-	-	-	1
Locomotive, on top of	1	0.1	1	0.2	-	0.0	1	-	-	-
Car, on top of (rail car)	4	0.5	2	0.4	2	0.5	-	-	-	4
Other location	3	0.3	1	0.2	2	0.5	-	-	-	3
Total	873	100	467	100	406	100	81	42	102	648

TABLE 10-10 TRESPASSERS CASUALTIES, BY EVENT, NOT AT HRC, 2005

Location	Total		Fatal		Nonfatal		Age of Person			
	Cnt	%	Cnt	%	Cnt	%	Unk	< 16	16-21	> 21
Aggravated pre-existing condition	1	0.1	1	0.2	-	0.0	-	-	-	1
Assaulted by other	5	0.6	-	0.0	5	1.2	-	-	-	5
Caught in/crushed by materials	2	0.2	1	0.2	1	0.2	-	-	-	2
Climatic condition, exposure to environmental he	1	0.1	-	0.0	1	0.2	-	-	-	1
Climatic condition, exposure to environmental co	1	0.1	1	0.2	-	0.0	-	-	-	1
Collision - between on track equipment	2	0.2	1	0.2	1	0.2	-	-	2	-
Collision/impact - auto, truck, bus, van, etc.	10	1.1	2	0.4	8	2.0	3	-	1	6
Electrical shock due to contact with 3rd rail, c	1	0.1	1	0.2	-	0.0	-	-	-	1
Electrical shock, other (explain in narrative)	4	0.5	1	0.2	3	0.7	-	-	1	3
Exposure to chemicals - external	2	0.2	2	0.4	-	0.0	-	-	-	2
Lost balance	26	3.0	5	1.1	21	5.2	-	1	1	24
Missed handhold, grabiron, step, etc.	2	0.2	-	0.0	2	0.5	-	-	1	1
Other impacts - on track equipment	5	0.6	2	0.4	3	0.7	1	1	1	2
Overexertion	1	0.1	-	0.0	1	0.2	-	-	-	1
Ran into on-track equipment	5	0.6	2	0.4	3	0.7	1	-	-	4
Ran into object/equipment	1	0.1	-	0.0	1	0.2	-	-	-	1
Slipped,fell,stubbed,etc. due to object,ballast	4	0.5	1	0.2	3	0.7	-	-	1	3
Stabbing, knifing, etc.	1	0.1	1	0.2	-	0.0	-	-	-	1
Struck by thrown or propelled object	2	0.2	-	0.0	2	0.5	-	-	-	2
Struck by object	11	1.3	8	1.7	3	0.7	-	-	3	8
Struck by on-track equipment	660	75.6	403	86.3	257	63.3	59	18	76	507
Struck against object	12	1.4	-	0.0	12	3.0	2	2	5	3
Sudden/unexpected movement of on-track equipmen	6	0.7	1	0.2	5	1.2	-	1	1	4
Sudden/unexpected movement of vehicle	4	0.5	3	0.6	1	0.2	-	2	1	1
Thrill seeking	5	0.6	1	0.2	4	1.0	-	3	-	2
Caught, crushed, pinched, other	6	0.7	1	0.2	5	1.2	1	1	1	3
On track equipment, other incidents	2	0.2	1	0.2	1	0.2	-	-	-	2
Slipped, fell, stumbled, other	60	6.9	13	2.8	47	11.6	4	7	6	43
Sudden, unexpected movement, other	5	0.6	1	0.2	4	1.0	1	1	-	3
Bumped	1	0.1	-	0.0	1	0.2	-	1	-	-
Burned	1	0.1	-	0.0	1	0.2	1	-	-	-
Caught Between Equipment	1	0.1	-	0.0	1	0.2	-	1	-	-
Other (describe in narrative)	23	2.6	14	3.0	9	2.2	8	3	1	11
<b>Total</b>	<b>873</b>	<b>100</b>	<b>467</b>	<b>100</b>	<b>406</b>	<b>100</b>	<b>81</b>	<b>42</b>	<b>102</b>	<b>648</b>

**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
De	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
Len	Length
Loco	Locomotive
Mtr	V Motor vehicle
Nonf	Nonfatal cases (injuries and occupational illnesses)
Othr	Other
Psg	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



**APPENDIX B**

**2005 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, 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 last recalculation and adjustment was made for Calendar Year 2002 and published in the Appendix for the *2003 Railroad Safety Statistics Annual Report*. They were used in the Procedure for PCAPS 2003.

Using the accident data for Calendar Years 1999 to 2003 (to predict 2005), the process of determining the three (3) new “normalizing constants” for PCAPS 2005 is performed such that the sum of the 2005 accident prediction values for all open public at-grade crossings, as of December 2005, is made to equal the sum of the *observed* number of accidents that occurred for those 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.

The *observed* accidents are those accident records that are in the data file. While mismatched data records caused by inaccurate accident/inventory reporting were included, those accidents which occurred prior to the date of a warning device change (at crossings that had a warning device change between 1999 to 2004), were excluded as well as any closed crossings. This means that the number of *observed* accidents, for currently open crossings, will not be equal to the actual number of accidents that are reported in the annual Bulletin.

The constants were redetermined for the “national” model using the crossings in the National Inventory File as of December 2005. Those using the “DOT Model” should update their models by replacing the old constants with the new recalculated values. These “normalizing constants” are located in the computer program ACPD.NEW as shown in the *User’s Guide Third Edition* at the top of Page A-4, Appendix A1 and in RESAL.NEW on Page B-3, Appendix B1.

As of December 2005, these new constants will be in the 2005 PCAPS Computer Program and Internet version WBAPS on the FRA Website at <http://safetydata.fra.dot.gov/officeofsafety/>. The table below lists the new and prior constants.

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

WARNING DEVICE GROUPS	NEW	PRIOR YEARS					
	2005	2003	1998	1992	1990	1988	1986
(1) Passive	<b>.6407</b>	.6500	.7159	.8239	.9417	.8778	.8644
(2) Flashing Lights	<b>.5233</b>	.5001	.5292	.6935	.8345	.8013	.8887
(3) Gates	<b>.6513</b>	.5725	.4921	.6714	.8901	.8911	.8131

\\wpdata\rxiprogram\acpd\ACPD Constants 2005.wpd

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 ]	1	-	-	-	-	-	1	-	-	-	-	-
Aberdeen & Rockfish RR Co. [AR ]	1	-	-	1	-	-	-	-	-	-	-	-
Aberdeen, Carolina & Western RR [ACWR]	-	-	-	-	-	-	-	-	-	-	-	-
Abilene & Smokey Valley RR [AVSX]	-	-	-	-	-	-	-	-	-	-	-	-
Acadiana Rwy Co. [AKDN]	-	-	-	-	-	-	-	-	-	-	-	-
Adirondack Scenic RR [ADCX]	2	-	2	-	-	-	-	-	-	2	-	2
Adrian & Blissfield RR [ADBF]	-	-	-	-	-	-	-	-	-	-	-	-
Akron Barberton Cluster Rwy Co. [AB ]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Florida Rwy Co. [AF ]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama & Gulf Coast Rwy LLC [AGR ]	9	1	3	2	-	-	6	1	2	1	-	1
Alabama & Tennessee River Rwy LLC [ATN] [ATN ]	16	1	7	3	-	-	12	-	7	1	1	-
Alabama RR Co., Inc. [ALAB]	-	-	-	-	-	-	-	-	-	-	-	-
Alabama Southern RR [ABS ]	1	-	1	-	-	-	-	-	-	1	-	1
Alameda Belt Line [ABL ]	-	-	-	-	-	-	-	-	-	-	-	-
Alamo Gulf Coast RR Co. [AGCR]	2	-	-	2	-	-	-	-	-	-	-	-
Albany & Eastern RR Co. [AERC]	-	-	-	-	-	-	-	-	-	-	-	-
Albany Port RR [APRR]	-	-	-	-	-	-	-	-	-	-	-	-
Alexander RR Co. [ARC ]	3	-	1	-	-	-	2	-	-	1	-	1
Algiers, Winslow & Western Rwy Co. [AWW ]	1	-	1	-	-	-	1	-	1	-	-	-
Aliquippa & Ohio River RR Co. [AOR ]	-	-	-	-	-	-	-	-	-	-	-	-
Allegheny Valley RR Co. [AVR ]	6	-	-	5	-	-	1	-	-	-	-	-
Alliance Term. RR LLC [ATR ]	1	-	1	-	-	-	-	-	-	1	-	1
Altamont Commuter Express Authority [ACEX]	-	-	-	-	-	-	-	-	-	-	-	-
Angelina & Neches River RR Co. [ANR ]	-	-	-	-	-	-	-	-	-	-	-	-
Ann Arbor RR [AA ]	-	-	-	-	-	-	-	-	-	-	-	-
Apache Rwy Co. [APA ]	-	-	-	-	-	-	-	-	-	-	-	-
Appalachian & Ohio RR [AO ]	7	-	2	4	-	-	2	-	1	1	-	1
Appanoose County Community RR Co. [APNC]	-	-	-	-	-	-	-	-	-	-	-	-
Arcade & Attica RR Corp. [ARA ]	-	-	-	-	-	-	-	-	-	-	-	-
Arizona & California RR Co. [ARZC]	6	1	4	1	-	-	-	-	-	5	1	4
Arizona Central RR, Inc. [AZCR]	1	-	1	-	-	-	-	-	-	1	-	1
Arizona Eastern RR [AZER]	5	3	-	2	-	-	-	-	-	3	3	-
Arkansas & Missouri RR Co. [AM ]	16	2	12	-	-	-	7	1	4	9	1	8
Arkansas Louisiana & Mississippi RR Co. [ALM ]	3	-	1	1	-	-	1	-	-	1	-	1
Arkansas Midland RR Co., Inc. [AKMD]	14	1	4	5	-	-	4	-	-	5	1	4
Arkansas Southern RR [ARS ]	-	-	-	-	-	-	-	-	-	-	-	-
Arkansas-Oklahoma RR Inc. [AOK ]	1	-	1	-	-	-	-	-	-	1	-	1
Ashland Rwy Inc. [ASRY]	14	-	13	1	-	-	-	-	-	13	-	13
Ashtubula, Carson & Jefferson RR [ACJR]	-	-	-	-	-	-	-	-	-	-	-	-
Athens Line LLC, The [ABR ]	-	-	-	-	-	-	-	-	-	-	-	-
Atlantic & Western Rwy, L.P. [ATW ]	-	-	-	-	-	-	-	-	-	-	-	-
Austin & Texas Central RR [ATCX]	-	-	-	-	-	-	-	-	-	-	-	-
Austin Area Term. RR [AUAR]	3	-	4	-	-	-	-	-	-	3	-	4
Austin, Todd & Ladd RR Co. [ATLT]	1	-	-	1	-	-	-	-	-	-	-	-
B&H Rail Corp [BHX ]	1	-	-	1	-	-	-	-	-	-	-	-
BG & CM RR [BGCM]	1	-	-	1	-	-	-	-	-	-	-	-
Ballard Term. RR Co LLC [BDTL]	-	-	-	-	-	-	-	-	-	-	-	-
Batten Kill RR [BKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Bauxite & Northern Rwy Co. [BXN ]	-	-	-	-	-	-	-	-	-	-	-	-
Bay Colony RR [BCLR]	1	-	1	-	-	-	-	-	-	1	-	1
Bay Line RR, L.L.C., The [BAYL]	3	-	-	1	-	-	2	-	-	-	-	-
Belfast & Moosehead Lake RR Co. [BML ]	-	-	-	-	-	-	-	-	-	-	-	-
Bellefonte Historical RR Society [BHRX]	-	-	-	-	-	-	-	-	-	-	-	-

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
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 ]	-	-	-	-	-	-	-	-	-	-	-	-
Birmingham Southern RR Co. [BS ]	7	-	4	3	-	-	-	-	-	4	-	4
Black Hills Central RR [BHC ]	-	-	-	-	-	-	-	-	-	-	-	-
Blacklands RR, The [BLR ]	1	-	-	-	-	-	1	-	-	-	-	-
Bloomer Shippers Connecting RR Co. [BLOL]	-	-	-	-	-	-	-	-	-	-	-	-
Blue Rock Transportation Co. [BRTR]	-	-	-	-	-	-	-	-	-	-	-	-
Boone Scenic Valley [BSVY]	1	-	1	-	-	-	-	-	-	1	-	1
Border Pacific RR [BOP ]	-	-	-	-	-	-	-	-	-	-	-	-
Brandon Corp. [BRAN]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Scenic RR Co. [BSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Brandywine Valley RR Co. [BVRY]	2	-	2	-	-	-	-	-	-	2	-	2
Brownsville & Rio Grande International RR [BRG ]	3	-	3	-	-	-	-	-	-	3	-	3
Buckingham Branch RR Co. [BB ]	11	1	7	3	-	-	1	1	-	7	-	7
Buffalo & Pittsburgh RR, Inc. [BPRR]	13	-	4	6	-	-	4	-	1	3	-	3
Buffalo Southern RR, Inc. [BSOR]	1	1	1	-	-	-	1	1	1	-	-	-
Burlington Junction Rwy [BJRY]	-	-	-	-	-	-	-	-	-	-	-	-
C & NC RR Corp. [CNUR]	-	-	-	-	-	-	-	-	-	-	-	-
CHICAGO, FT. WAYNE & EASTERN [CFE ]	6	1	-	3	-	-	3	1	-	-	-	-
CMC RR Inc. [CMC ]	2	-	1	1	-	-	-	-	-	1	-	1
Caddo Valley RR Co. [CVYR]	6	-	6	-	-	-	-	-	-	6	-	6
Caldwell County RR Co. [CWCY]	-	-	-	-	-	-	-	-	-	-	-	-
California Northern RR Co. [CFNR]	1	1	-	-	-	-	1	1	-	-	-	-
California State RR Museum [CSRМ]	-	-	-	-	-	-	-	-	-	-	-	-
California Western RR [CWR ]	-	-	-	-	-	-	-	-	-	-	-	-
Camp Chase Industrial RR Corp [CCRA]	-	-	-	-	-	-	-	-	-	-	-	-
Caney Fork & Western RR [CFWR]	-	-	-	-	-	-	-	-	-	-	-	-
Canon City And Royal Gorge RR, LLC [CRRX]	6	-	7	-	-	-	-	-	-	6	-	7
Canton RR Co. [CTN ]	-	-	-	-	-	-	-	-	-	-	-	-
Cape Cod Central [CCCX]	1	-	-	-	-	-	1	-	-	-	-	-
Cape Fear Rwy, Inc. [CF ]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Coastal Rwy, Inc. [CLNA]	-	-	-	-	-	-	-	-	-	-	-	-
Carolina Southern RR Co., The [CALA]	1	-	-	1	-	-	-	-	-	-	-	-
Carrizo Gorge Rwy Inc. [CZRY]	-	-	-	-	-	-	-	-	-	-	-	-
Carthage, Knightstown & Shirley RR [CKSI]	1	-	-	-	-	-	1	-	-	-	-	-
Cascade & Columbia River RR [CSCD]	2	-	1	-	-	-	2	-	1	-	-	-
Cass Scenic [CASS]	5	-	5	-	-	-	-	-	-	5	-	5
Catskill Mountain RR [CMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Cedar Rapids & Iowa City Rwy Co. [CIC ]	1	-	-	1	-	-	-	-	-	-	-	-
Central California Traction Co. [CCT ]	6	-	1	3	-	-	2	-	-	1	-	1
Central Illinois RR Co. [CIRY]	1	-	1	-	-	-	-	-	-	1	-	1
Central Indiana & Western RR Co. [CEIW]	-	-	-	-	-	-	-	-	-	-	-	-
Central Midland Rwy Co. [CMR ]	-	-	-	-	-	-	-	-	-	-	-	-
Central Montana RR [CM ]	-	-	-	-	-	-	-	-	-	-	-	-
Central Oregon & Pacific RR, Inc. [CORP]	11	1	5	5	-	-	3	-	2	3	1	3
Central RR Co. Of Indiana [CIND]	4	-	5	-	-	-	1	-	2	3	-	3
Central RR Co. Of Indianapolis [CERA]	1	-	1	-	-	-	1	-	1	-	-	-
Central Washington RR Co. [CWA ]	8	-	5	2	-	-	2	-	1	4	-	4
Charlotte Southern RR Co. [CHS ]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Bay RR [CHAT]	-	-	-	-	-	-	-	-	-	-	-	-
Chattahoochee Industrial RR [CIRR]	1	-	1	-	-	-	-	-	-	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
Chattooga & Chickamauga RR [CCKY]	1	- 1	-	-	1	- 1	-	-
Chehalis & Centralia RR Association [CHCX]	-	-	-	-	-	-	-	-
Chesapeake & Albemarle RR Co. [CA ]	2	- 1	1	-	-	-	1	- 1
Chesapeake & Indiana RR [CKIN]	-	-	-	-	-	-	-	-
Chestnut Ridge Rwy Co. [CHR ]	-	-	-	-	-	-	-	-
Chicago Rail Link [CRL ]	11	- 4	7	-	-	-	4	- 4
Chicago Southshore & South Bend RR [CSS ]	9	- 8	-	-	1	-	8	- 8
Chicago-Chemung RR Corp. [CCUO]	-	-	-	-	-	-	-	-
Cimarron Valley RR L C [CVR ]	2	-	1	-	1	-	-	-
Cincinnati Rwy Co., The [CNRX]	-	-	-	-	-	-	-	-
City Of Prineville Rwy [COP ]	-	-	-	-	-	-	-	-
Claremont Concord RR Corp. [CCRR]	-	-	-	-	-	-	-	-
Clarendon & Pittsford RR Co. [CLP ]	1	-	-	-	1	-	-	-
Cleveland Commercial RR Co., LLC [CCRL]	1	-	-	-	1	-	-	-
Cleveland Works Rwy Co. [CWRO]	5	- 3	2	-	-	-	3	- 3
Clinton Term. RR Co. [CTR ]	-	-	-	-	-	-	-	-
Cloquet Term. RR Co., Inc. [CTRR]	5	- 5	-	-	-	-	5	- 5
Colorado & Wyoming Rwy Co. [CW ]	7	- 7	-	-	-	-	7	- 7
Columbia & Cowlitz Rwy Co. [CLC ]	1	- 1	-	-	-	-	1	- 1
Columbia Basin RR Co. Inc. [CBRW]	2	- 2	-	-	-	-	2	- 2
Columbia Business Center [CBCX]	-	-	-	-	-	-	-	-
Columbia Term. RR Co. [CT ]	2	- 1	-	-	2	- 1	-	-
Columbus & Greenville Rwy Co. [CAGY]	5	- 3	-	-	3	- 1	2	- 2
Columbus & Ohio River RR [CUOH]	1	- 1	1	- 1	-	-	-	-
Commonwealth Rwy, Inc. [CWRY]	-	-	-	-	-	-	-	-
Conecuh Valley RR [COEH]	-	-	-	-	-	-	-	-
Connecticut Department Of Transportation [CDOT]	2	- 2	-	-	-	-	2	- 2
Connecticut Southern RR Inc. [CSO ]	6	-	6	-	-	-	-	-
Consolidated Grain & Barge Co. [CGBX]	-	-	-	-	-	-	-	-
Conway Scenic RR [CONW]	1	- 1	-	-	-	-	1	- 1
Coopersville & Marne RR [CMRX]	-	-	-	-	-	-	-	-
Copper Basin Rwy, Inc. [CBRY]	-	-	-	-	-	-	-	-
Corpus Christi Term. RR Inc. [CCPN]	1	-	1	-	-	-	-	-
Council Bluffs Rwy Co. [CBGR]	1	-	1	-	-	-	-	-
Crab Orchard & Egyptian RR [COER]	-	-	-	-	-	-	-	-
Cumbres & Toltec Scenic RR [CTSR]	4	- 4	-	-	-	-	4	- 4
Cuyahoga Valley Scenic Rwy [CVSX]	-	-	-	-	-	-	-	-
D & I RR Co. [DAIR]	1	-	1	-	-	-	-	-
Dakota Southern Rwy Co. [DSRC]	-	-	-	-	-	-	-	-
Dakota, Missouri Valley & Western RR, Inc. [DMVW]	11	- 9	1	-	1	-	9	- 9
Dallas, Garland & Northeastern RR [DGNO]	15	- 1	7	-	7	-	1	- 1
Dardanelle & Russellville RR [DR ]	-	-	-	-	-	-	-	-
DeQueen & Eastern RR Co. [DQE ]	12	- 8	3	-	3	- 2	6	- 6
Decatur Junction Rwy Co. [DT ]	2	-	2	-	-	-	-	-
Delaware Coast Line RR [DCLR]	-	-	-	-	-	-	-	-
Delaware Lackawanna RR [DL ]	2	- 1	1	-	-	-	1	- 1
Delray Connecting RR Co. [DC ]	4	1	3	-	-	-	4	1
Delta Southern RR Co. [DSRR]	-	-	-	-	-	-	-	-
Delta Valley & Southern Rwy Co. [DVS ]	-	-	-	-	-	-	-	-
Denver Rock Island RR [DRIR]	-	-	-	-	-	-	-	-
Dependable Rail Services [DPRX]	-	-	-	-	-	-	-	-
Depew, Lancaster & Western RR Co., Inc. [DLWR]	1	-	-	-	1	-	-	-
Detroit Connecting RR [DCON]	-	-	-	-	-	-	-	-
Detroit Edison [DE ]	8	- 8	-	-	-	-	8	- 8

Railroads whose employees worked < 400,000 hours

	Total		Train Accidents		HRC Incidents		Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Dubois County RR [DCRR]	1	-	-	1	-	-	-	-	-
Durango & Silverton Narrow Gauge RR Co. [DSNG]	32	-	31	-	-	-	1	-	31
East Brookfield & Spencer RR LLC [EBSR]	2	-	1	1	-	-	-	-	1
East Camden & Highland RR Co. [EACH]	-	-	-	-	-	-	-	-	-
East Chattanooga Belt Rwy Co. [ECTB]	-	-	-	-	-	-	-	-	-
East Cooper & Berkeley RR [ECBR]	2	-	1	1	-	-	-	-	1
East Erie Commercial RR [EEC ]	1	-	1	-	-	-	-	-	1
East Jersey RR & Term. Co. [EJR ]	1	-	1	-	-	-	-	-	1
East Penn Rwy, Inc. [EPRY]	-	-	-	-	-	-	-	-	-
East Tennessee Rwy, L.P. [ETRY]	-	-	-	-	-	-	-	-	-
Eastern Alabama Rwy Co. [EARY]	-	-	-	-	-	-	-	-	-
Eastern Idaho RR [EIRR]	10	-	3	4	-	-	3	-	3
Eastern Illinois RR Co. [EIRC]	-	-	-	-	-	-	-	-	-
Eastern Maine RR Co. [EMRY]	1	-	1	-	-	-	-	-	1
Eastern Shore RR Inc. [ESHR]	4	-	3	-	-	-	1	-	3
Econo Rail Corp. [TXTX]	5	-	4	1	-	-	1	-	3
Effingham RR Co. [EFRR]	-	-	-	-	-	-	-	-	-
El Dorado & Wesson Rwy Co. [EDW ]	-	-	-	-	-	-	-	-	-
Elk River RR, Inc. [ELKR]	-	-	-	-	-	-	-	-	-
Ellis & Eastern Co. [EE ]	-	-	-	-	-	-	-	-	-
Erie Western Rwy [EWR ]	-	-	-	-	-	-	-	-	-
Escalanta Western Rwy [ESWR]	-	-	-	-	-	-	-	-	-
Escanaba & Lake Superior RR Co. [ELS ]	4	1	2	2	-	-	1	1	1
Everett RR Co. [EV ]	-	-	-	-	-	-	-	-	-
Exel Switching Service [ESSV]	-	-	-	-	-	-	-	-	-
Falls Creek RR [FCR ]	5	-	-	5	-	-	-	-	-
Falls Road RR Co. Inc. [FRR ]	2	-	1	-	-	-	1	-	1
Farmrail Corp. [FMRC]	1	-	-	1	-	-	-	-	-
Fillmore And Western [FMWX]	-	-	-	-	-	-	-	-	-
Finger Lakes Rwy Corp. [FGLK]	1	-	-	1	-	-	-	-	-
First Coast RR Inc. [FCRD]	3	-	2	1	-	-	-	-	2
Flats Industrial RR [FIR ]	1	-	-	-	-	-	1	-	-
Florida Central RR Co. [FCEN]	10	-	10	-	-	-	2	-	8
Florida Midland RR Co., Inc. [FMID]	-	-	-	-	-	-	-	-	-
Florida Northern RR Co., Inc. [FNOR]	1	-	1	-	-	-	-	-	1
Flying J / Big West Oil [FLYJ]	-	-	-	-	-	-	-	-	-
Fordyce & Princeton RR Co. [FP ]	2	-	-	-	-	-	2	-	-
Fore River Transportation Corp. [FRVT]	1	-	1	-	-	-	-	-	1
Fort Smith RR Co. [FSR ]	1	-	-	-	-	-	1	-	-
Fort Worth & Western RR [FWWR]	6	-	2	1	-	-	4	-	1
Fremont & Elkhorn Valley RR [FEVR]	-	-	-	-	-	-	-	-	-
Frontier Rail Switch Service [FRRV]	-	-	-	-	-	-	-	-	-
Fulton County RR Co. [FC ]	-	-	-	-	-	-	-	-	-
Galveston RR, L.P. [GVSR]	2	-	-	1	-	-	1	-	-
Garden City Western Rwy Co. [GCW ]	-	-	-	-	-	-	-	-	-
Gateway Eastern RR Co. [GWWE]	1	-	1	-	-	-	1	-	-
Georgetown RR Co. [GRR ]	4	-	2	1	-	-	1	-	2
Georgia & Florida Rwy [GFRR]	6	-	2	4	-	-	1	-	1
Georgia Central Rwy, L.P. [GC ]	3	-	-	2	-	-	1	-	-
Georgia Midland RR, Inc. [GMR ]	1	-	-	-	-	-	1	-	-
Georgia Northeastern RR Co. [GNRR]	3	-	2	1	-	-	-	-	2
Georgia Southwestern RR Inc. [GSWR]	-	-	-	-	-	-	-	-	-
Georgia Woodlands RR [GWRC]	-	-	-	-	-	-	-	-	-
Gettysburg and Northern RR [GET ]	2	-	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
Giant Cement [GICX]	-	-	-	-	-	-	-	-	-	-	-	-
Gloster Southern RR [GLSR]	-	-	-	-	-	-	-	-	-	-	-	-
Golden Gate RR Museum [GGMX]	-	-	-	-	-	-	-	-	-	-	-	-
Golden Isles Term. RR, Inc. [GITM]	9	-	5	4	-	-	1	-	1	4	-	4
Golden Triangle RR Co. [GTRA]	-	-	-	-	-	-	-	-	-	-	-	-
Grafton & Upton RR Co. [GU ]	-	-	-	-	-	-	-	-	-	-	-	-
Grainbelt Corp. [GNBC]	3	-	1	2	-	-	-	-	-	1	-	1
Grand Rapids Eastern RR Inc. [GR ]	-	-	-	-	-	-	-	-	-	-	-	-
Great Northwest RR, Inc. [GRNW]	-	-	-	-	-	-	-	-	-	-	-	-
Great River RR [GTR ]	-	-	-	-	-	-	-	-	-	-	-	-
Great Smoky Mountains Rwy, The [GSM ]	5	-	5	-	-	-	-	-	-	5	-	5
Great Walton RR Co. [GRWR]	2	-	1	1	-	-	-	-	-	1	-	1
Great Western Rwy of Colorado, LLC [GWR ]	4	-	2	1	-	-	2	-	1	1	-	1
Green Mountain RR Corp. [GMRC]	2	-	2	-	-	-	-	-	-	2	-	2
Gulf, Colorado San Saba Rwy Corp. [GCSR]	1	-	-	1	-	-	-	-	-	-	-	-
Hampton & Branchville RR Co. [HB ]	1	-	1	-	-	-	-	-	-	1	-	1
Hardin Southern RR, Inc. [HSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Hartwell RR Co. [HRT ]	-	-	-	-	-	-	-	-	-	-	-	-
Hawaiian Rwy Society [HRSX]	-	-	-	-	-	-	-	-	-	-	-	-
Heart of Georgia RR, Inc. [HOG ]	-	-	-	-	-	-	-	-	-	-	-	-
Heber Valley RR Utah [HVRX]	2	-	7	2	-	7	-	-	-	-	-	-
Heritage RR Corp [HR ]	1	-	-	-	-	-	1	-	-	-	-	-
High Point, Thomasville & Denton RR Co. [HPTD]	1	-	-	-	-	-	1	-	-	-	-	-
Hollis & Eastern RR Co. [HE ]	1	-	-	-	-	-	1	-	-	-	-	-
Honey Creek RR, Inc. [HCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Hoosier Southern RR [HOS ]	-	-	-	-	-	-	-	-	-	-	-	-
Housatonic RR Co., Inc. [HRRC]	8	-	4	3	-	-	1	-	-	4	-	4
Huckleberry RR [HRR ]	2	-	2	-	-	-	-	-	-	2	-	2
Huntsville & Madison county RR Authority [HMCR]	1	-	-	1	-	-	-	-	-	-	-	-
Huron & Eastern Rwy [HESR]	6	-	-	2	-	-	4	-	-	-	-	-
Hutchinson & Northern Rwy Co. [HN ]	-	-	-	-	-	-	-	-	-	-	-	-
ITS Technologies & Logistics, LLC. [ITSL]	1	-	-	-	-	-	1	-	-	-	-	-
Idaho Northern & Pacific RR Co. [INPR]	11	-	6	2	-	-	3	-	-	6	-	6
Illinois & Midland RR Inc. [IMRR]	8	-	6	1	-	-	1	-	-	6	-	6
Illinois Railnet Inc. [IR ]	5	-	2	3	-	-	-	-	-	2	-	2
Illinois Rwy Museum [IRYM]	1	-	-	1	-	-	-	-	-	-	-	-
Illinois Western RR Co. [ILW ]	-	-	-	-	-	-	-	-	-	-	-	-
Indian Creek RR Co. [ICRK]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana & Ohio Rwy [IORY]	27	1	13	9	-	-	11	-	7	7	1	6
Indiana Eastern RR LLC [IERR]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Northeastern RR Co., Incorporated [IN ]	1	-	1	-	-	-	-	-	-	1	-	1
Indiana Rail Road Co. [INRD]	7	-	3	2	-	-	2	-	-	3	-	3
Indiana Rwy Museum [IRM ]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Southern RR Co., Inc. [ISRR]	5	-	-	3	-	-	2	-	-	-	-	-
Indiana Southwestern Rwy Co. [ISW ]	-	-	-	-	-	-	-	-	-	-	-	-
Indiana Transportation Museum [ITMZ]	2	-	1	-	-	-	1	-	-	1	-	1
Inland Lakes Rwy [ILRV]	-	-	-	-	-	-	-	-	-	-	-	-
Inter-RailLink [IRLX]	-	-	-	-	-	-	-	-	-	-	-	-
Intermodal Transfer, LLC [RSIX]	-	-	-	-	-	-	-	-	-	-	-	-
Iowa Interstate RR [IAIS]	34	-	16	12	-	-	7	-	1	15	-	15
Iowa Northern Rwy Co. [IANR]	3	-	2	-	-	-	1	-	-	2	-	2
Iowa Northwestern RR [IANW]	-	-	-	-	-	-	-	-	-	-	-	-
Iowa Traction RR Co. [IATR]	-	-	-	-	-	-	-	-	-	-	-	-
Jacintoport International, LP [JCIV]	-	-	-	-	-	-	-	-	-	-	-	-

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
Jefferson Warrior RR [JEFW]	2	-	2	-	-	-	-	-	-	2	-	2
Johnson County Airport Commission [JCAX]	2	-	1	-	-	-	1	-	-	1	-	1
Joppa & Eastern RR Co. [JERX]	-	-	-	-	-	-	-	-	-	-	-	-
Juniata Valley RR Co. [JVRR]	-	-	-	-	-	-	-	-	-	-	-	-
K.W.T. Rwy, Inc. [KWT ]	-	-	-	-	-	-	-	-	-	-	-	-
Kankakee, Beaverville & Southern RR Co. [KBSR]	1	-	-	1	-	-	-	-	-	-	-	-
Kansas City Term. Rwy Co. [KCT ]	-	-	-	-	-	-	-	-	-	-	-	-
Kansas and Oklahoma RR [KO ]	17	-	7	9	-	1	5	-	3	3	-	3
Kaw River RR [KAW ]	2	-	1	1	-	-	-	-	-	1	-	1
Kendallville Term. Rwy Co. [KTR ]	1	-	1	-	-	-	-	-	-	1	-	1
Kentucky & Tennessee Rwy [KT ]	-	-	-	-	-	-	-	-	-	-	-	-
Kentucky Rwy Museum [KRM ]	-	-	-	-	-	-	-	-	-	-	-	-
Keokuk Junction Rwy [KJRY]	5	-	3	1	-	-	1	-	-	3	-	3
Kettle Falls International Rwy LLC [KFR ]	8	-	4	2	-	-	2	-	-	4	-	4
Kiamichi RR Co. LLC [KRR ]	8	-	2	5	-	-	2	-	1	1	-	1
Kiski Junction RR [KJR ]	-	-	-	-	-	-	-	-	-	-	-	-
Klamath Northern Rwy Co. [KNOR]	-	-	-	-	-	-	-	-	-	-	-	-
Knox & Kane RR Co. [KKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Knoxville & Holston River RR Co., Inc. [KXHR]	2	-	1	-	-	-	2	-	1	-	-	-
Kyle RR Co. [KYLE]	9	-	3	6	-	-	-	-	-	3	-	3
Lahaina Kaanapoli And Pacific [LKP ]	2	-	1	-	-	-	1	-	-	1	-	1
Lake County RR [LCR ]	1	-	-	1	-	-	-	-	-	-	-	-
Lake Shore Rwy [LSRX]	-	-	-	-	-	-	-	-	-	-	-	-
Lake State Rwy Co. [LSRC]	12	-	9	3	-	-	-	-	-	9	-	9
Lake Superior & Ishpeming RR Co. [LSI ]	9	-	9	-	-	-	-	-	-	9	-	9
Lake Superior & Mississippi RR [LSMR]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Superior RR Museum [LSMT]	-	-	-	-	-	-	-	-	-	-	-	-
Lake Term. RR Co. [LT ]	1	-	-	1	-	-	-	-	-	-	-	-
Lake Whatcom Rwy [LWAT]	-	-	-	-	-	-	-	-	-	-	-	-
Lancaster & Chester Rwy Co. [LC ]	-	-	-	-	-	-	-	-	-	-	-	-
Landisville Term. & Transfer Co. [LNVT]	-	-	-	-	-	-	-	-	-	-	-	-
Laona & Northern Rwy [LNO ]	-	-	-	-	-	-	-	-	-	-	-	-
Lapree Industrial RR [LI RR]	-	-	-	-	-	-	-	-	-	-	-	-
Laurinburg & Southern RR Co. [LRS ]	-	-	-	-	-	-	-	-	-	-	-	-
Leadville, Colorado & Southern RR, Co. [LCSR]	2	-	2	-	-	-	-	-	-	2	-	2
Lehigh Valley Rail Management [LVRX]	1	-	1	-	-	-	-	-	-	1	-	1
Litchfield Industrial RR [LFIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Little Kanawha River Rail [LKRR]	-	-	-	-	-	-	-	-	-	-	-	-
Little River RR [LRR ]	-	-	-	-	-	-	-	-	-	-	-	-
Little Rock & Western Rwy, L.P. [LRWN]	3	-	-	2	-	-	1	-	-	-	-	-
Little Rock Port RR Co. [LRPA]	-	-	-	-	-	-	-	-	-	-	-	-
Livonia, Avon & Lakeville RR Corp. [LAL ]	1	-	1	-	-	-	1	-	1	-	-	-
Logansport & Eel River Short Line Co., Inc. [LER ]	-	-	-	-	-	-	-	-	-	-	-	-
Lone Star Industries [LSIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Longview Switching [LS ]	-	-	-	-	-	-	-	-	-	-	-	-
Los Angeles Junction Rwy Co. [LAJ ]	2	-	2	-	-	-	-	-	-	2	-	2
Louisiana & Delta RR [LDRR]	4	1	2	-	-	-	1	-	-	3	1	2
Louisiana & North West RR Co. [LNW ]	2	-	1	1	-	-	-	-	-	1	-	1
Louisiana Southern [LAS ]	-	-	-	-	-	-	-	-	-	-	-	-
Louisville & Indiana RR Co. [LIRC]	9	1	3	1	-	-	5	1	-	3	-	3
Louisville & Wadley Rwy Co. [LW ]	-	-	-	-	-	-	-	-	-	-	-	-
Louisville, New Albany & Corydon RR [LNAL]	-	-	-	-	-	-	-	-	-	-	-	-
Lowville & Beaver River RR Co. [LBR ]	-	-	-	-	-	-	-	-	-	-	-	-
Luxapalila Valley RR Inc. [LXVR]	-	-	-	-	-	-	-	-	-	-	-	-

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
Luzerene & Susquehanna Rwy Co. [LSX ]	-	-	-	-	-	-	-	-
Lycoming Valley RR Co. [LVRR]	5	- 4	1	-	-	-	4	- 4
M & B RR LLC [MNBR]	7	- 3	3	-	4	- 3	-	-
Madison RR Division [CMPA]	-	-	-	-	-	-	-	-
Magma Arizona RR Co. [MAA ]	-	-	-	-	-	-	-	-
Mahoning Valley RR Co. [MVRV]	-	-	-	-	-	-	-	-
Maine Eastern RR [MERR]	4	- 3	-	-	1	-	3	- 3
Manufacturers' Junction Rwy Co. [MJ ]	-	-	-	-	-	-	-	-
Manufacturers' Rwy Co. [MRS ]	5	- 5	-	-	-	-	5	- 5
Marquette Rail LLC [MQT ]	1	-	1	-	-	-	-	-
Maryland & Delaware RR Co. [MDDE]	1	-	1	-	-	-	-	-
Maryland Midland Rwy, Inc. [MMID]	-	-	-	-	-	-	-	-
Massachusetts Central RR Corp. [MCER]	1	- 2	-	-	1	- 2	-	-
Massena Term. RR Co. [MSTR]	-	-	-	-	-	-	-	-
Maumee & Western RR Corp. [MAW ]	1	-	-	-	1	-	-	-
Mccloud Rwy Co. [MCR ]	-	-	-	-	-	-	-	-
Mckeesport Connecting RR Co. [MKC ]	-	-	-	-	-	-	-	-
Meeker Southern RR [MSN ]	-	-	-	-	-	-	-	-
Meridian Southern Rwy LLC [MDS ]	1	- 2	1	- 2	-	-	-	-
Michigan Air-Line Rwy Co. [MAL ]	-	-	-	-	-	-	-	-
Michigan Shore RR [MS ]	-	-	-	-	-	-	-	-
Michigan Southern RR Co., Inc. [MSO ]	3	-	2	-	1	-	-	-
Michigan State Trust For Rwy Preservation [MSTP]	-	-	-	-	-	-	-	-
Mid-Continent Rwy [MCRY]	1	- 2	-	-	-	-	1	- 2
Mid-Michigan RR Co. [MMRR]	1	-	-	-	1	-	-	-
Middletown & Hummelstown RR Co. [MIDH]	-	-	-	-	-	-	-	-
Middletown & New Jersey Rwy Co., Inc. [MNJ ]	-	-	-	-	-	-	-	-
Midlands Rwy [MDRY]	-	-	-	-	-	-	-	-
Milford-Bennington RR Co. [MBRX]	-	-	-	-	-	-	-	-
Minnesota Commercial Rwy [MNNR]	15	- 12	1	-	2	-	12	- 12
Minnesota Northern RR Inc. [MNN ]	2	- 2	-	-	1	- 1	1	- 1
Minnesota Prairie Line, Inc. [MPLI]	2	-	1	-	1	-	-	-
Minnesota Southern Rwy, Inc. [MSWY]	-	-	-	-	-	-	-	-
Minnesota Transportation Museum [MNTM]	-	-	-	-	-	-	-	-
Minnesota Zephyr, Limited [MZL ]	-	-	-	-	-	-	-	-
Minnesota, Dakota & Western Rwy Co. [MDW ]	-	-	-	-	-	-	-	-
Mission Mountain RR [MMT] [MMT ]	1	-	-	-	1	-	-	-
Mississippi & Skuna Valley RR Co. [MSV ]	-	-	-	-	-	-	-	-
Mississippi Central RR Co. [MSCI]	-	-	-	-	-	-	-	-
Mississippi Export RR Co. [MSE ]	6	- 1	1	-	4	-	1	- 1
Mississippi Southern RR [MSR ]	1	-	1	-	-	-	-	-
Mississippi Tennessee RR LLC [MTNR]	-	-	-	-	-	-	-	-
Mississippian Rwy Cooperative, Inc. [MSRW]	-	-	-	-	-	-	-	-
Missouri & Northern Arkansas RR Co., Inc. [MNA ]	9	- 2	1	-	8	- 2	-	-
Missouri North Central RR [MNC ]	-	-	-	-	-	-	-	-
Modesto & Empire Traction Co. [MET ]	4	- 4	-	-	1	- 1	3	- 3
Modoc Northern RR Co. [MNRR]	-	-	-	-	-	-	-	-
Mohawk, Adirondack & Northern RR Corp. [MHWA]	2	- 1	-	-	1	-	1	- 1
Monticello Rwy Museum [MRMZ]	-	-	-	-	-	-	-	-
Morehead & South Fork RR Co. Inc. [MHSF]	-	-	-	-	-	-	-	-
Morristown & Erie Rwy, Inc. [ME ]	1	- 1	-	-	-	-	1	- 1
Moscow, Camden & San Augustine RR [MCSA]	-	-	-	-	-	-	-	-
Mount Dora & Lake Eustis Rwy [MDLX]	-	-	-	-	-	-	-	-
Mount Hood Rwy Co. [MH ]	5	- 5	-	-	-	-	5	- 5



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
Mount Rainier Scenic RR [MRSR]	1	-	1	-	-	-	-	-	-	1	-	1
Mount Vernon Term. Rwy, Inc. [MVT ]	-	-	-	-	-	-	-	-	-	-	-	-
Municipality Of East Troy [METW]	1	-	-	-	-	-	1	-	-	-	-	-
N C Transportation Museum Foundation [NCMX]	-	-	-	-	-	-	-	-	-	-	-	-
Napa Valley RR [NVRR]	21	-	22	-	-	-	-	-	-	21	-	22
Nash County RR [NCYR]	-	-	-	-	-	-	-	-	-	-	-	-
Nashville & Eastern RR [NERR]	9	-	9	1	-	1	1	-	1	7	-	7
Nashville & Western RR Corp. [NWR ]	3	-	1	1	-	-	1	-	-	1	-	1
Naugatuck RR Co. Inc. [NAUG]	-	-	-	-	-	-	-	-	-	-	-	-
Nebkota Rwy, Inc. [NRI ]	-	-	-	-	-	-	-	-	-	-	-	-
Nebraska Central RR [NCRC]	3	-	1	1	-	-	1	-	-	1	-	1
Nebraska Northeastern Rwy Co. [NENE]	3	-	2	1	-	-	-	-	-	2	-	2
Nebraska, Kansas, Colorado Railnet [NKCR]	2	-	1	1	-	-	-	-	-	1	-	1
Nevada Northern Rwy [NNRX]	-	-	-	-	-	-	-	-	-	-	-	-
Nevada Southern Rwy [NVSU]	-	-	-	-	-	-	-	-	-	-	-	-
New Castle Industrial RR [NCIR]	-	-	-	-	-	-	-	-	-	-	-	-
New England Central RR [NECR]	12	-	7	5	-	-	3	-	3	4	-	4
New England Southern RR Co., Inc. [NEGS]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire Central RR, Inc. [NHCR]	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire North Coast RR [NHN ]	1	-	-	-	-	-	1	-	-	-	-	-
New Hope & Ivyland Rail Road [NHRR]	1	-	1	-	-	-	-	-	-	1	-	1
New Orleans & Gulf Coast Rwy Co. Inc. [NOGC]	3	-	3	-	-	-	-	-	-	3	-	3
New Orleans Public Belt RR [NOPB]	12	-	8	4	-	-	-	-	-	8	-	8
New York & Atlantic Rwy Co. [NYA ]	7	-	6	1	-	-	-	-	-	6	-	6
New York & Greenwood Lake Rwy [NYGL]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Lake Erie [NYLE]	-	-	-	-	-	-	-	-	-	-	-	-
New York & Ogdensburg Rwy Co. Inc. [NYOG]	-	-	-	-	-	-	-	-	-	-	-	-
New York Cross Harbor RR Term. Corp. [NYCH]	-	-	-	-	-	-	-	-	-	-	-	-
New York, Susquehanna & Western RR Co. [NYSW]	16	2	9	4	-	-	4	1	2	8	1	7
Newburgh & South Shore RR [NSR ]	-	-	-	-	-	-	-	-	-	-	-	-
Newport Dinner Train [NPDY]	-	-	-	-	-	-	-	-	-	-	-	-
Niles Canyon Rwy [NICX]	-	-	-	-	-	-	-	-	-	-	-	-
Nimishillen & Tuscarawas, LLC [NTRY]	7	-	7	-	-	-	-	-	-	7	-	7
Nittany & Bald Eagle [NBER]	-	-	-	-	-	-	-	-	-	-	-	-
Norfolk & Portsmouth Belt Line RR Co. [NPB ]	3	-	1	2	-	-	-	-	-	1	-	1
North Carolina & Virginia RR Co. [NCVA]	1	-	-	-	-	-	1	-	-	-	-	-
North Shore RR [NSHR]	2	-	2	-	-	-	-	-	-	2	-	2
North Shore Scenic RR [NSSR]	2	-	-	-	-	-	2	-	-	-	-	-
Northern Lines Rwy LLC [NLR ]	1	-	1	-	-	-	-	-	-	1	-	1
Northern Ohio & Western Rwy, LTD. [NOW ]	-	-	-	-	-	-	-	-	-	-	-	-
Northern Plains RR, Inc. [NPR ]	9	1	6	1	-	-	2	1	-	6	-	6
Northwestern Oklahoma RR Co. [NOKL]	-	-	-	-	-	-	-	-	-	-	-	-
Oakland Term. Rwy [OTR ]	-	-	-	-	-	-	-	-	-	-	-	-
Ohi Rail Corp. [OHIC]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio & Pennsylvania RR Co. [OHPA]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Central RR Co. [OHCR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Southern RR Co. [OSRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ohio Valley RR Co. [OVR ]	-	-	-	-	-	-	-	-	-	-	-	-
Oil Creek & Titusville Lines [OCTL]	-	-	-	-	-	-	-	-	-	-	-	-
Old Augusta RR Co. [OAR ]	1	-	-	-	-	-	1	-	-	-	-	-
Omaha, Lincoln & Beatrice Rwy Co. [OLB ]	1	-	-	1	-	-	-	-	-	-	-	-
OmniTrax Switching Services [OMTX]	-	-	-	-	-	-	-	-	-	-	-	-
Ontario Central RR Corp. [ONCT]	-	-	-	-	-	-	-	-	-	-	-	-
Ontario Midland RR Corp. [OMID]	-	-	-	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total		Train Accidents		HRC Incidents		Other Incidents		
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj
Orange Empire Rwy Museum [OERY]	-	-	-	-	-	-	-	-	-
Oregon Eastern RR [OERR]	1	-	-	-	-	1	-	-	-
Oregon Pacific RR Co. [OPR ]	-	-	-	-	-	-	-	-	-
Otter Tail Valley RR Co., Inc. [OTVR]	1	-	1	-	-	-	-	1	-
Ouachita RR [OUCH]	-	-	-	-	-	-	-	-	-
Owego & Harford Rwy, Inc. [OHRY]	-	-	-	-	-	-	-	-	-
Oxbow Switching Operation [AMIX]	-	-	-	-	-	-	-	-	-
Pacific & Arctic RR & Navigation Co. [PARN]	25	-	27	-	-	-	-	25	-
Pacific Harbor Line Inc. [PHL ]	9	1	5	3	-	-	-	6	1
Pacific SW Rwy Museum [PSRM]	-	-	-	-	-	-	-	-	-
Palouse River & Coulee City RR Inc. [PCC ]	2	-	1	-	-	1	-	1	-
Panhandle Northern RR Co. [PNR ]	4	-	4	-	-	1	-	1	3
Patapsco & Back Rivers RR Co. [PBR ]	2	-	2	-	-	-	-	2	-
Pearl River Valley RR Co. [PRV ]	1	-	1	-	-	-	-	1	-
Pecos Valley Southern Rwy Co. [PVS ]	-	-	-	-	-	-	-	-	-
Pend Oreille Valley RR, Inc. [POVA]	2	-	2	-	-	-	-	2	-
Peninsula Term. Co. [PT ]	-	-	-	-	-	-	-	-	-
Penn Eastern Rail Lines Inc. [PRL ]	1	-	-	1	-	-	-	-	-
Pennsylvania & Southern Rwy, LLC [PSCC]	-	-	-	-	-	-	-	-	-
Pennsylvania Southwestern RR, Inc. [PSWR]	1	-	1	-	-	-	-	1	-
Pickens Rwy Co. [PICK]	-	-	-	-	-	-	-	-	-
Pioneer Industrial Rwy Co. [PRY ]	-	-	-	-	-	-	-	-	-
Pioneer Valley RR Co., Inc. [PVRR]	1	-	1	-	-	-	-	1	-
Pittsburgh & Ohio Central RR Co., The [POHC]	-	-	-	-	-	-	-	-	-
Pittsburgh, Allegheny & Mckees Rocks RR [PAM ]	-	-	-	-	-	-	-	-	-
Plymouth & Lincoln [PLL ]	-	-	-	-	-	-	-	-	-
Point Comfort & Northern Rwy Co. [PCN ]	-	-	-	-	-	-	-	-	-
Port Bienville RR [PBVR]	-	-	-	-	-	-	-	-	-
Port Of Catoosa Term. RR [POCA]	-	-	-	-	-	-	-	-	-
Port Of Los Angeles [PLAX]	-	-	-	-	-	-	-	-	-
Port Of Manatee [MAUP]	2	-	1	-	-	1	-	1	-
Port Of Palm Beach Term. [PPBD]	1	-	-	1	-	-	-	-	-
Port Of Tillamook Bay RR [POTB]	8	-	6	1	-	1	-	6	-
Port Term. RR Of South Carolina [PTR ]	-	-	-	-	-	-	-	-	-
Port Utilities Commission Of Charleston, S.C. [PUC	-	-	-	-	-	-	-	-	-
Portland & Western RR, Inc. [PNWR]	14	-	2	4	-	9	-	1	1
Portland Term. [PTO ]	3	-	2	1	-	-	-	2	-
Potomac Eagle Scenic Rail Excursion [PEX ]	-	-	-	-	-	-	-	-	-
Prescott & Northwestern RR Co. [PNW ]	-	-	-	-	-	-	-	-	-
Progressive Rail Inc [PGR ]	1	-	-	-	-	1	-	-	-
Providence & Worcester RR Co. [PW ]	8	-	4	3	-	1	-	4	-
Puget Sound & Pacific RR Co. [PSAP]	5	-	1	2	-	2	-	1	-
Quincy RR Co. [QRR ]	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./Pennsylvania Lines, Inc. [RJCP	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co./WV Line [RJCW]	-	-	-	-	-	-	-	-	-
R. J. Corman RR Co/Central Kentucky Lines [RJCC]	3	-	2	1	-	1	-	1	-
R. J. Corman RR Corp./Bardstown Line [RJCR]	-	-	-	-	-	-	-	-	-
R. J. Corman, Western Ohio Line [RJCW]	-	-	-	-	-	-	-	-	-
RTD Denver Union Station [DUT ]	-	-	-	-	-	-	-	-	-
Rail Link Inc. [RLIX]	-	-	-	-	-	-	-	-	-
Rail Serve [RASX]	-	-	-	-	-	-	-	-	-
Rail Tours, Inc. [RTI ]	-	-	-	-	-	-	-	-	-
Railtown 1897 RR [RTRX]	-	-	-	-	-	-	-	-	-
Raritan Central Rwy LLC [RCRY]	-	-	-	-	-	-	-	-	-

Railroads whose employees worked < 400,000 hours

	Total		Train Accidents		HRC Incidents		Other Incidents					
	Cnt	Kld	Inj	Cnt	Kld	Inj	Cnt	Kld	Inj			
Rarus Rwy Co. [RARW]	1	-	1	-	-	-	-	1	-	1		
Reading Blue Mountain & Northern RR Commision [RBM]	13	-	8	3	-	-	4	-	2	6	-	6
Red River Valley & Western RR [RRVW]	7	-	5	-	-	-	2	-	-	5	-	5
Redmont Rwy Co. [RRC ]	-	-	-	-	-	-	-	-	-	-	-	-
Riceboro Southern Rwy LLC [RSOR]	1	-	-	-	-	-	1	-	-	-	-	-
Richmond Pacific RR Corp. [RPRC]	-	-	-	-	-	-	-	-	-	-	-	-
Rio Valley Switching Co. [RVSC]	15	-	9	3	-	-	3	-	-	9	-	9
River Port RR [RVPR]	-	-	-	-	-	-	-	-	-	-	-	-
Rochester Southern RR, Inc. [RSR ]	2	-	1	-	-	-	1	-	-	1	-	1
Rock & Rail Inc [RRRR]	-	-	-	-	-	-	-	-	-	-	-	-
Rockdale, Sandow & Southern RR Co. [RSS ]	-	-	-	-	-	-	-	-	-	-	-	-
SCTRR, LLC [SCTR]	4	-	2	-	-	-	2	-	-	2	-	2
SMS Rail Service, Inc. [SLRS]	2	-	1	1	-	-	-	-	-	1	-	1
Sabine River & Northern RR Co. [SRN ]	1	-	1	-	-	-	-	-	-	1	-	1
Salt Lake City Southern RR Co., Inc. [SL ]	-	-	-	-	-	-	-	-	-	-	-	-
Salt Lake, Garfield & Western Rwy Co. [SLGW]	1	-	-	-	-	-	1	-	-	-	-	-
San Diego & Imperial Valley [SDIY]	-	-	-	-	-	-	-	-	-	-	-	-
San Diego Northern Rwy [SDNX]	6	-	3	1	-	-	2	-	-	3	-	3
San Francisco Belt RR [SFBR]	-	-	-	-	-	-	-	-	-	-	-	-
San Joaquin Valley RR Co. [SJVR]	14	-	3	8	-	-	4	-	1	2	-	2
San Luis & Rio Grande RR [SLRG]	-	-	-	-	-	-	-	-	-	-	-	-
San Luis Central RR Co. [SLC ]	-	-	-	-	-	-	-	-	-	-	-	-
San Manuel Arizona RR Co. [SMA ]	-	-	-	-	-	-	-	-	-	-	-	-
San Pedro & Southwestern RR Co. [SPSR]	-	-	-	-	-	-	-	-	-	-	-	-
Sand Springs Rwy Co. [SS ]	2	-	2	-	-	-	-	-	-	2	-	2
Sandersville RR Co. [SAN ]	1	-	1	-	-	-	-	-	-	1	-	1
Santa Cruz, Big Tree & Pacific RR [SCBG]	-	-	-	-	-	-	-	-	-	-	-	-
Santa Fe Southern Rwy, Inc. [SFS ]	4	-	3	-	-	-	1	-	-	3	-	3
Santa Maria Valley RR Co. [SMV ]	2	-	1	-	-	-	1	-	-	1	-	1
Saracuse Binghampton And New York RR [SBNX]	-	-	-	-	-	-	-	-	-	-	-	-
Savannah Port Term. RR, Inc. [SAPT]	7	-	1	3	-	-	4	-	1	-	-	-
Seminole Gulf RR [SGLR]	6	-	2	1	-	-	3	-	-	2	-	2
Semo Port RR, Inc. [SE ]	-	-	-	-	-	-	-	-	-	-	-	-
Sequatchie Valley RR [SQVR]	-	-	-	-	-	-	-	-	-	-	-	-
Shamokin Valley RR Co. [SVRR]	-	-	-	-	-	-	-	-	-	-	-	-
Shawnee Term. Rwy Co. [STR ]	-	-	-	-	-	-	-	-	-	-	-	-
Shelbyville Industrial RR [SVIZ]	-	-	-	-	-	-	-	-	-	-	-	-
Shenandoah Valley RR [SV ]	1	-	1	-	-	-	-	-	-	1	-	1
Sidney & Lowe RR Inc. [SLGG]	-	-	-	-	-	-	-	-	-	-	-	-
Sierra Northern Rwy [SERA]	3	-	2	-	-	-	1	-	-	2	-	2
Sisseton Milbank RR [SMRR]	-	-	-	-	-	-	-	-	-	-	-	-
Ski Train RR [SKTX]	-	-	-	-	-	-	-	-	-	-	-	-
Snoqualmie Valley RR [SNVX]	-	-	-	-	-	-	-	-	-	-	-	-
Somerset RR Co. [SOM ]	-	-	-	-	-	-	-	-	-	-	-	-
Souder Commuter Rail [SCR ]	-	-	-	-	-	-	-	-	-	-	-	-
South Branch Valley RR [SBVR]	4	-	3	-	-	-	1	-	-	3	-	3
South Buffalo Rwy Co. [SB ]	3	-	3	1	-	1	1	-	1	1	-	1
South Carolina Central RR Co., Inc. [SCRF]	16	1	3	4	-	-	10	1	1	2	-	2
South Carolina RR Museum, The [SCMZ]	-	-	-	-	-	-	-	-	-	-	-	-
South Central Florida Express, Inc. [SCXF]	5	-	3	2	-	-	-	-	-	3	-	3
South Chicago & Indiana Harbor Rwy Co. [SCIH]	1	-	1	-	-	-	-	-	-	1	-	1
South Kansas & Oklahoma RR Co. [SKOL]	20	1	9	10	-	-	5	1	4	5	-	5
South Plains Lamesa RR, Ltd. [SLAL]	-	-	-	-	-	-	-	-	-	-	-	-
Southern Electric RR [SERX]	-	-	-	-	-	-	-	-	-	-	-	-

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
Southern Indiana Rwy, Inc. [SIND]	-	-	-	-	-	-	-	-
Southern Michigan RR Society [SMRS]	-	-	-	-	-	-	-	-
Southern New Jersey Light Rail System [SNJX]	9	7	1	-	5	4	3	3
Southern RR Co. Of New Jersey [SRNJ]	-	-	-	-	-	-	-	-
Southern Switching Co. [SSC ]	-	-	-	-	-	-	-	-
Southwest Pennsylvania RR Co. [SWP ]	2	-	-	-	2	-	-	-
Southwestern RR Co., Inc. [SW ]	3	1	1	-	2	1	-	-
St Marys Rwy West LLC [SMW ]	-	-	-	-	-	-	-	-
St. Croix Valley RR Co. [SCXY]	-	-	-	-	-	-	-	-
St. Lawrence & Atlantic RR Co. [SLR ]	6	4	2	-	2	2	2	2
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 ]	-	-	-	-	-	-	-	-
Stewartstown RR Co. [STRT]	-	-	-	-	-	-	-	-
Stillwater Central RR Co., Inc. [SLWC]	8	1	4	-	3	-	1	1
Stockton Term. & Eastern RR [STE ]	6	2	1	-	3	-	2	2
Stone Mountain Park [SMPX]	-	-	-	-	-	-	-	-
Stourbridge RR Co. [SBRR]	-	-	-	-	-	-	-	-
Strasburg RR Co. [SRC ]	7	7	-	-	-	-	7	7
Sumpter Valley RR [SUVX]	-	-	-	-	-	-	-	-
Sunflour RR, Inc. [SNR ]	-	-	-	-	-	-	-	-
Tacoma Municipal Belt Line Rwy [TMBL]	7	4	2	-	2	1	3	3
Tacoma Rail Mountain Division [TRMW]	3	1	1	-	1	-	1	1
Talley Rand Term. RR [TTR ]	2	2	-	-	-	-	2	2
Tazewell & Peoria RR, Inc. [TZPR]	3	-	3	-	-	-	-	-
Tennessee Southern RR Co., Inc. [TSRR]	1	-	1	-	-	-	-	-
Tennessee Valley RR [TVRM]	-	-	-	-	-	-	-	-
Tennken RR Co. Inc. [TKEN]	3	2	1	-	1	1	1	1
Terminal Rwy Alabama State Docks [TASD]	7	4	3	-	-	-	4	4
Texas & New Mexico RR Co. [TNMR]	3	-	3	-	-	-	-	-
Texas & Northern Rwy Co. [TN ]	-	-	-	-	-	-	-	-
Texas & Oklahoma RR Co. [TXOR]	-	-	-	-	-	-	-	-
Texas City Term. Rwy Co. [TCT ]	1	-	1	-	-	-	-	-
Texas Northwestern Rwy Co. [TXNW]	5	1	3	-	1	-	1	1
Texas Pacifico Transportation Limited [TXPF]	1	1	-	-	-	-	1	1
Texas Rock Crusher Rwy Co. [TXR ]	2	2	-	-	-	-	2	2
Texas South-Eastern RR Co. [TSE ]	1	1	-	-	-	-	1	1
Texas State RR [TSR ]	9	9	-	-	-	-	9	9
Texas, Gonzales & Northern Rwy Co. [TXGN]	2	1	1	-	-	-	1	1
The Youngstown Belt RR Co. [YB ]	1	1	-	-	-	-	1	1
Thermal Belt Rwy [TBRY]	-	-	-	-	-	-	-	-
Three Notch RR [TNHR]	1	-	1	-	-	-	-	-
Timberrock RR Co., Inc. [TIBR]	21	1	8	8	4	-	9	1
Tioga Central RR [TIOC]	-	-	-	-	-	-	-	-
Tishomingo RR Co., Inc. [TISH]	-	-	-	-	-	-	-	-
Toledo Lake Erie & Western RR [TLEW]	-	-	-	-	-	-	-	-
Toledo, Peoria & Western Rwy Corp. [TPW ]	5	-	3	-	2	-	-	-
Tomahawk Rwy, L.P. [TR ]	-	-	-	-	-	-	-	-
Toppenish Simcoe & Western [TSWR]	1	1	-	-	-	-	1	1
Towanda Monroeton Shippers Lifeline, Inc. [TMSS]	-	-	-	-	-	-	-	-
Transco Railcar Repair, Inc. [TRRJ]	-	-	-	-	-	-	-	-
Transkentucky Transportation RR, Inc. [TTIS]	4	4	-	-	-	-	4	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
Tri-City RR Co. [TCRY]	1	-	-	1	-	-	-	-	-	-	-	-
Tri-county Commuter Rail Authority [TCCX]	34	6	27	-	-	-	4	3	-	30	3	27
Trinity Rwy Express [TREX]	4	-	2	-	-	-	3	-	-	1	-	2
Trona Rwy Co. [TRC ]	1	-	1	-	-	-	-	-	-	1	-	1
Tulsa-Sapulpa Union Rwy Co. LLC [TSU ]	3	-	2	-	-	-	1	-	-	2	-	2
Turtle Creek Industrial RR, Inc. [TCKR]	-	-	-	-	-	-	-	-	-	-	-	-
Tuscola & Saginaw Bay RR Co., Inc. [TSBY]	11	-	6	2	-	-	5	-	2	4	-	4
Twin City & Western RR [TCWR]	4	-	2	-	-	-	2	-	-	2	-	2
U. S. Rail Corp. [USRV]	-	-	-	-	-	-	-	-	-	-	-	-
Union County Industrial RR Co. [UCIR]	1	-	-	-	-	-	1	-	-	-	-	-
Union Town Central RR [UTCV]	-	-	-	-	-	-	-	-	-	-	-	-
United States Gypsum [USG ]	-	-	-	-	-	-	-	-	-	-	-	-
Upper Hudson River RR [UHRX]	3	-	3	-	-	-	-	-	-	3	-	3
Upper Merion & Plymouth RR Co. [UMP ]	-	-	-	-	-	-	-	-	-	-	-	-
Utah Central Rwy Co. [UCRY]	2	-	-	1	-	-	1	-	-	-	-	-
Utah Rwy Co. [UTAH]	6	-	3	2	-	-	1	-	-	3	-	3
Utah Transit Authority [UTAX]	2	-	1	-	-	-	1	-	-	1	-	1
V&S Rwy Inc D d/b/a/Towner Railway [VST ]	-	-	-	-	-	-	-	-	-	-	-	-
Valdosta Rwy, L.P. [VR ]	1	-	-	1	-	-	-	-	-	-	-	-
Valley RR Co. [VALE]	-	-	-	-	-	-	-	-	-	-	-	-
Vandalia RR Co. [VRRC]	-	-	-	-	-	-	-	-	-	-	-	-
Ventura County RR Co. [VCRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermillion Valley RR Co., Inc. [VRRR]	-	-	-	-	-	-	-	-	-	-	-	-
Vermont Rwy, Inc. [VTR ]	14	-	11	2	-	-	1	-	-	11	-	11
Virginia & Truckee RR Co., Inc. [VTRR]	-	-	-	-	-	-	-	-	-	-	-	-
Virginia Rwy Express [VREX]	6	-	4	1	-	-	1	-	-	4	-	4
Virginia Southern RR [VSRR]	1	-	1	-	-	-	-	-	-	1	-	1
Wabash Central RR Corp. [WBCR]	1	-	-	-	-	-	1	-	-	-	-	-
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 County RR Corp. [WACR]	1	-	-	1	-	-	-	-	-	-	-	-
Watco [WATX]	2	-	1	1	-	-	-	-	-	1	-	1
Wellsboro & Corning RR Co. [WCOR]	-	-	-	-	-	-	-	-	-	-	-	-
West Chester RR Co. [WCRL]	-	-	-	-	-	-	-	-	-	-	-	-
West Isle Line Inc. [WFS ]	-	-	-	-	-	-	-	-	-	-	-	-
West Michigan RR Co. [WMI ]	1	-	-	-	-	-	1	-	-	-	-	-
West Tennessee RR Corp. [WTNN]	10	-	8	-	-	-	3	-	1	7	-	7
West Texas and Lubbock Rwy Co. [WTLC]	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia Central RR [WVC ]	-	-	-	-	-	-	-	-	-	-	-	-
Western Kentucky Rwy, LLC [WKRL]	-	-	-	-	-	-	-	-	-	-	-	-
Western Maryland Scenic RR [WMSR]	1	-	1	-	-	-	-	-	-	1	-	1
Western New York & Pennsylvania RR LLC [WNYP]	2	-	2	-	-	-	-	-	-	2	-	2
Western RR Co. [WRRC]	1	-	-	1	-	-	-	-	-	-	-	-
Western Rail Switching, Inc. [WRS ]	-	-	-	-	-	-	-	-	-	-	-	-
Western Rwy Museum [WRM ]	-	-	-	-	-	-	-	-	-	-	-	-
Weyerhaeuser Woods RRs [WCTX]	3	-	3	-	-	-	-	-	-	3	-	3
White City Term. & Utility Co. [WCTR]	-	-	-	-	-	-	-	-	-	-	-	-
Whitewater Valley RR [WVRR]	1	-	1	-	-	-	-	-	-	1	-	1
Wichita Term. Association [WTA ]	1	-	-	1	-	-	-	-	-	-	-	-
Wichita, Tillman & Jackson Rwy Co., Inc. [WTJR]	2	-	1	1	-	-	-	-	-	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
	Willamette & Pacific RR, Inc. [WPRR]	7	-	5	3	-	2	1	-	-	3	-
Willamette Valley Rwy Co. [WVR ]	-	-	-	-	-	-	-	-	-	-	-	-
Wilmington & Western RR Co. [WWRC]	-	-	-	-	-	-	-	-	-	-	-	-
Wilmington Term. RR Inc. [WTRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winamac Southern Rwy Co. [WSRY]	-	-	-	-	-	-	-	-	-	-	-	-
Winchester & Western RR Co. [WW ]	4	-	2	1	-	-	1	-	-	2	-	2
Winston-Salem Southbound Rwy [WSS ]	1	-	-	1	-	-	-	-	-	-	-	-
Wiregrass Central RR Co. [WGCR]	-	-	-	-	-	-	-	-	-	-	-	-
Wyoming & Colorado RR [WYCO]	-	-	-	-	-	-	-	-	-	-	-	-
Yadkin Valley RR Co. [YVRR]	1	1	-	-	-	-	-	-	-	1	1	-
Yellowstone Valley RR Inc. [YSVR]	1	-	1	-	-	-	-	-	-	1	-	1
Yolo Shortline RR Co. [YSLR]	-	-	-	-	-	-	-	-	-	-	-	-
York Rwy Co. [YRC ]	2	1	-	-	-	-	1	-	-	1	1	-
Youngstown & Austintown RR [YARR]	-	-	-	-	-	-	-	-	-	-	-	-
Yreka Western RR Co. [YW ]	-	-	-	-	-	-	-	-	-	-	-	-